



System Message Guide for Cisco IOS XE 17.17.x

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System Message Guide for Cisco IOS XE 17.17.x

Cisco System Messages Overview

This document describes system messages for Cisco software releases. During operation, the system software sends these messages to the console (and, optionally, to a logging server on another system) during operation. Not all system messages indicate problems with your system. Some are purely informational, and others may help diagnose problems with communications lines, internal hardware, or the system software.

How To Read System Error Messages

System error messages begin with a percent sign (%) and are structured as follows: %FACILITY-SUBFACILITY-SEVERITY-MNEMONIC: Message-text

- FACILITY is a code consisting of two or more uppercase letters that indicate the facility to which the message refers. A facility can be a hardware device, a protocol, or a module of the system software.
- SEVERITY is a single-digit code from 0 to 7 that reflects the severity of the condition. The lower the number, the more serious the situation. [Error Message Severity Levels](#) lists the severity levels.
- MNEMONIC is a code that uniquely identifies the error message.
- Message-text is a text string describing the condition. This portion of the message sometimes contains detailed information about the event, including terminal port numbers, network addresses, or addresses that correspond to locations in the system memory address space. Because the information in these variable fields changes from message to message, it is represented here by short strings enclosed in square brackets ([]). A decimal number, for example, is represented as [dec]. [Representation of Variable Fields in Error Messages](#) lists the representations of variable fields and the type of information in them.

The following is a sample system error message:

```
%LINK-2-BADVCALL: Interface [chars], undefined entry point
```

Some error messages also indicate the card and slot reporting the error. These error messages begin with a percent sign (%) and are structured as follows:

```
%CARD-SEVERITY-MSG: SLOT %FACILITY-SEVERITY-MNEMONIC: Message-text
```

- CARD is a code that describes the type of card reporting the error. VIP and FEIP are possible card types.
- MSG is a mnemonic that indicates that this is a message. It is always shown as MSG.
- SLOT indicates the slot number of the card reporting the error. It is shown as SLOT followed by a number (for example, SLOT5).

The prepended portion of the error message (%CARD-SEVERITY-MSG: SLOT) is not shown in the error message listings in this document.

Error Message Severity Levels

Error message severity levels correspond to the keywords assigned by the **logging** global configuration commands that define where and at what level these messages appear. The default is to log messages to the console at the debugging level (7). For more information, see the system configuration chapter and descriptions of the **logging** command in the configuration guide and command reference.

Level	Description
0 - emergency	System unusable
1 - alert	Immediate action needed
2 - critical	Critical condition
3 - error	Error condition
4 - warning	Warning condition
5 - notification	Normal, but significant, condition
6 - informational	Informational message only
7 - debugging	Appears during debugging only

Representation of Variable Fields in Error Messages

Representation	Type of Information
[atalk_address]	AppleTalk address
[atalk_net]	AppleTalk network, either 600 or 600-601
[char]	Single character
[chars]	Character string
[dec]	Decimal number
[enet]	Ethernet address (for example, 0000.FEED.00C0)
[hex]	Hexadecimal number
[inet]	Internet address (for example, 10.0.2.16)
[int]	Integer number
[node]	Address or node name
[sci_notation]	Scientific notation
[t-line]	Terminal line number in octal (or decimal if the decimal-TTY service is enabled)
[v-name]	VINES name; or number (hex or decimal)

Error Message Traceback Reports

Some messages describe internal errors and contain traceback information. This information is very important and should be included when you report a problem to your technical support representative.

The following sample message includes traceback information:

```
-Process= "Exec", level= 0, pid= 17 -Traceback= 1A82 1AB4 6378 A072 1054 1860
```

System and Error Messages in Cisco IOS XE 17.17.x

The following tables list system and error messages and recommended actions. Scroll right to see the **Recommendation Action**. Alternatively, you can download the system and error messages in the excel format here: [System Message Guide for Cisco IOS XE 17.17.x](#).

A to E

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
AAAMGR-5-ACCT_ACTIVATED	5-Notice	MS This info AAAsyslog is regenerated gim when the saSD-WAN nedAAA did manager is actively accounting config transaction CLIs	cedge-aaamgr	No action is required
AAAMGR-5-ACCT_DEACTIVATED	5-Notice	MS This info AAAsyslog is regenerated gim when the saSD-WAN nedAAA did manager is not actively accounting config transaction CLIs	cedge-aaamgr	No action is required

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
AAAMGR-5-AUTHZ_ACTIVATED	5-Notice	This info AAAsyslog is regenerated when the saSD-WAN not AAA manager is actively authorizing configuration CLIs	cedge-aaamgr	No action is required
AAAMGR-5-AUTHZ_DEACTIVATED	5-Notice	This info AAAsyslog is regenerated when the saSD-WAN not AAA manager is not actively authorizing configuration CLIs	cedge-aaamgr	No action is required
AAA_AUDIT_MESSAGE-6-METHOD_LIST_STATE	6-Informational	Method list state change for the current session of the AAA server is : the	polaris-aaa	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Type	Component	Recommended-Action
AAA_AUDIT_MESSAGE-6-NOTIFY_MUST_STATE_TO_AAA_CLIENT	6-Information	Method list state change notified to AAA CLIENT	INFO	polaris-aaa	LOG_STD_NO_ACTION
ACCESS_SESSION_TRACE-3-TRACE_INIT_FAIL	3-Error	Failed to initialize access-session trace.	ERROR	polaris-smd	Review smd logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log.
ACCESS_SESSION_TRACE-3-TRACE_REG_FAIL	3-Error	Component failed to register with access-session trace	ERROR	polaris-smd	Review smd logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log.
ACLMGR_MESSAGE-3-ACL_LEN_ERR	3-Error	Invalid ACL length push error message.	ERROR	iosxe-binos-utils	LOG_STD_ACTION
ACL_ERRMSG-3-CHANGE_ERROR	3-Error	The given ACL change configuration could not be applied to all installed policies in hardware.	ERROR	INVALID	Find out more about the error by using the show platform software trace messages fed command.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
ACL_ERRMSG-3-ERROR	3-Error	ACL configuration	The given ACL configuration could not be applied to the hardware.	INVALID	Find out more about the error by using the show platform software trace messages fed command.
ACL_ERRMSG-3-SGACL_ERROR	3-Error	SGACL configuration	An error occurred during the SGACL configuration change, all SGACLs have been removed from cell.	INVALID	User needs to manually remove the cell configuration and attempt to re-apply when resources have been freed.
ACL_ERRMSG-4-ACLTCAM_FULL	4-Warning	ACL configuration	The configuration is too large. The ACL configuration is too large.	INVALID	You have exceeded the system limit of ACL TCAM, use a simpler configuration which uses less ACL entries.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
ACL_ERRMSG-4-DGT_FULL	4-Warning	The configuration is too large.	INVALID	You have exceeded the system limit of DGT, use a simpler configuration which uses less DGT entries.\n	
ACL_ERRMSG-4-HASH_ERROR	4-Warning	The configuration is unknown.	INVALID	There is no SGACL Cell with this configuration found.\n	
ACL_ERRMSG-4-HASH_FULL	4-Warning	The configuration is too large.	INVALID	You have exceeded the system limit of SGACL cells, use a simpler configuration which uses less SGACL cells.\n	

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
ACL_ERRMSG-4-HASH_ZERO	4-Warning Cannot configure in hardware due to zero n o sgt or l mpls-vpn hash entries.	INVALID	Allocate hash entries to sgt or mpls-vpn using custom template.\n
ACL_ERRMSG-4-POLICYLABEL_FULL	4-Warning The configuration is too large.	INVALID	You have exceeded the system limit of the number of Policies, use a simpler configuration which uses less Policy entries.\n
ACL_ERRMSG-4-PROGRAM_FAILED	4-Warning The configuration is too large.	INVALID	You have exceeded the system limit of entries, use a simpler configuration which uses less entries.\n

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
ACL_ERRMSG-6-RELOADED	6-Informational The configuration that was previously loaded, was unable to fit into the hardware and has been reprogrammed for this interface.	INVALID	No action required, informational only.
ACL_ERRMSG-6-REMOVED	6-Informational The configuration that was previously loaded, was removed because of lack of space, has been removed.	INVALID	No action required, informational only.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
ACL_ERRMSG-6-THRESHOLD_EVENT	6-Informational	The configuration exceeds the threshold, because of slack of space.	INVALID	No action required, informational only.
ADMINTECH-3-INCOMPLETE_BUNDLE	3-Error	This syslog is generated by SD-WAN admin-tech support. Sometimes out of bundle resulting in incomplete admin-tech. Default timeout for admin-tech is 30 mins, however on loaded systems, this timeout might not be sufficient and admin-tech could potentially time out	edge-admin-tech	Increase the timeout value for admin-tech with 'request platform software sdwan admin-tech timeout <value>;'

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
ADMINTECH-3-PUBLISH_FAILURE	3-Error	<p>This error is generated when admin-tech can not be published to SD-WAN Manager. This can be due to degradation in the network or control connectivity loss.</p>	admin-tech	Retry generating admin-tech
ADMINTECH-5-PUBLISH_SUCCESS	5-Notice	<p>This notice is generated when admin-tech is successfully uploaded to SD-WAN Manager after the generation is complete.</p>	admin-tech	No action is required
AFC_SCHED-1-AFC_HTTPCON_HEALTHCHECK_FAILURE	1-Alert	<p>AFC healthcheck failed due to HTTPCON error.</p>	afc	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
AFC_SCHED-1-AFC_HTTP_HEALTHCHECK_FAILURE	1-Alert	CFAFC Healthcheck failed due to HTTP error PTH ses etc .H	afc	LOG_STD_NO_ACTION
AFC_SCHED-1-AFC_PROVIDER_HEALTHCHECK_FAILURE	1-Alert	CFAFC Healthcheck failed due to provider Error	afc	LOG_STD_NO_ACTION
AFC_SCHED-3-AFC_CLOUDM_HEALTHCHECK_FAILURE	3-Error	CFAFC Healthcheck failed due to cloudm communication failure etc ses etc .H	afc	LOG_STD_NO_ACTION
AFC_WNCD-1-AFC_CONDITIONS_NOT_MET	1-Alert	noSome conditions are preventing the AP from refusing AFC P A ht w oid CAM H o t esu HFC	afc	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
APMGR_TRACE_MESSAGE-2-BSSID_CLEANUP_TIMEOUT	2-Critical	DISBSSID cleanup could not be completed.	This may result in failure to push configuration updates to Access Points. Make a note of any recent changes made to the network or the device configuration which may have triggered this and proceed to the suggested action.	ewlc-ap	Copy the error message exactly as it appears on the console or in the system log. Open a case with the Technical Assistance Center via the Internet http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the gathered information. It is suggested to collect archive traces and live process core to analyse the error.
APMGR_TRACE_MESSAGE-2-WLAN_CRIT_ERR	2-Critical	WLAN issue seen with WLAN config.	Make a note of any recent changes made to the network or the device configuration which may have triggered this and proceed to the suggested action.	ewlc-ap	Copy the error message exactly as it appears on the console or in the system log. Open a case with the Technical Assistance Center via the Internet http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the gathered information. It is suggested to collect archive traces and live process core to analyse the error.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
APMGR_TRACE_MESSAGE-2-WLAN_CRIT_INFO	2-Critical	OK	General Wireless LAN Controller critical message	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-2-WLC_APMGR_CRIT_MSG	2-Critical	OK	General Wireless LAN Controller warning message	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-3-AP_NTP_SYNC	3-Error	P	The Ap failed to sync with the NTP Server	ewlc-ap	Verify the IP address of the NTP server and the authentication credentials.
APMGR_TRACE_MESSAGE-3-AP_RADIO_STUCK_ALARM	3-Error	OK	Radio status monitoring and radio stuck alarm	ewlc-ap	No action required
APMGR_TRACE_MESSAGE-3-EWLC_APMGR_ANTIENNA_SET_ERROR	3-Error	ant	Antenna id enable/disable operation has resulted in error. please follow error message for details	ewlc-rrm	Please follow error message string and take corrective action

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
APMGR_TRACE_MESSAGE-3-EWLC_APMGR_AP_REG_DOMAIN_MISMATCH	3-Error	Regulatory domain of all radio units of the AP does not match with the country code	ewlc-rrm	In most cases, the problem can be corrected by checking regulatory domain supported by Access Point (AP). Radios within APs are assigned to a specific regulatory domain as a part of factory setting. Configuring a country code ensures that each radio's broadcast frequency bands, channels and transmit power levels are compliant with country-specific regulations. Please ensure that user configured country code is compliant with country code setting in AP.	
APMGR_TRACE_MESSAGE-3-EWLC_APMGR_UNSUPPORTED_COUNTRY	3-Error	Specified country code is not present in the configured country code list	ewlc-rrm	Validate the country code configuration on the Controller and add the country code to the configured country code list if it is not already present. Please refer to the configuration guide to configure country code. If you still require contact your Cisco technical support representative and provide the information you have gathered.	
APMGR_TRACE_MESSAGE-3-EWLC_GEN_CHAN_ERR	3-Error	General Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION	
APMGR_TRACE_MESSAGE-3-EWLC_RRM_ERROR	3-Error	General Wireless LAN Controller RRM error message	ewlc-rrm	LOG_STD_ACTION	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
APMGR_TRACE_MESSAGE-3-EWLC_RRM_QUERY_ERR	3-Error	rrm query failed	Trying to query information related to AP with invalid slot ID.	ewlc-rrm	Please report the error to technical support representative.
APMGR_TRACE_MESSAGE-3-EWLC_WLAN_ETA_MSG	3-Error	eta	Global and wireless analytics configuration dependency error	ewlc-ap	No action required
APMGR_TRACE_MESSAGE-3-EWLC_WLAN_MPSK_MSG	3-Error	mps	MPSK and central authentication dependency error	ewlc-ap	No action required
APMGR_TRACE_MESSAGE-3-EWLC_WLAN_MPSK_PSK_MSG	3-Error	mps	MPSK and PSK dependency error	ewlc-ap	No action required
APMGR_TRACE_MESSAGE-3-EXEC_CLI_INVALID_SLOT	3-Error	cli	The EXEC CLI is not applicable for this AP, because the limitation number of slots is less than the number of slots.	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
APMGR_TRACE_MESSAGE3-EXEC_CLI_NOT_5G_DUAL_RADIO_AP	3-Error	00000000	The iEXEC CLI s iEXEC CLI t is not d applicable r for this AP, : Because AP H does not e support dual P 5ghz radio s and t on t is l ad z 5 d	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE3-EXEC_CLI_NOT_MASTER_RADIO	3-Error	00000000	The iEXEC CLI s iEXEC CLI d is applicable r only for y master radio r can o ar r of P A : H	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
APMGR_TRACE_MESSAGE-3-EXEC_CLI_TX_POWER	3-Error	x	Tx Power Configuration is not followed. R R s i OA , S x T rep enc s i ton ala rof P A B n o ols H	ewlc-rrm	LOG_STD_NO_ACTION
APMGR_TRACE_MESSAGE-3-WLC_AP_AUDIT_REPORT_ERR	3-Error	n	AP Audit Report Error Message.	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-3-WLC_AP_CONFIG_CHECKER_ERR	3-Error	m	Error on AP while applying P A configuration updates from controller.	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-3-WLC_AP_ON_2G_DCA_CHANNEL_LIST_EMPTY	3-Error	e	DCA Channel list for 24ghz radio is empty, it affects Channel Assignment to AP dis B	ewlc-rrm	Please add channels to DCA List

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
APMGR_TRACE_MESSAGE-3-WLC_AP_JOIN_5G_DCA_CHANNEL_LIST_EMPTY	3-Error	ehDCA ACDChannel list for 5ghz radio is empty, it affects Channel Assignment to AP dis in	ewlc-rrm	Please add channels to DCA List
APMGR_TRACE_MESSAGE-3-WLC_AP_JOIN_6G_DCA_CHANNEL_LIST_EMPTY	3-Error	ehDCA ACDChannel list for 6ghz radio is empty, it affects Channel Assignment to AP dis in	ewlc-rrm	Please add channels to DCA List
APMGR_TRACE_MESSAGE-3-WLC_AP_JOIN_CRIT_ERR	3-Error	P AP Join/Disjoin Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-3-WLC_AP_LOG_MSG	3-Error	P AP Remote Logging dis in	ewlc-ap	No action required
APMGR_TRACE_MESSAGE-3-WLC_AP_PACKET_CAPTURE_ERR	3-Error	AP packet capture Error Message.	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-3-WLC_EXEC_MSG	3-Error	% Improper arguments for config	ewlc-ap	Arguments to be changed

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
APMGR_TRACE_MESSAGE-3-WLC_GEN_ERR	3-Error	General Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION	
APMGR_TRACE_MESSAGE-3-WLC_MDNS_AP_ERROR_MSG	3-Error	Error Message Related to mDNS AP	ewlc-ap	LOG_STD_ACTION	
APMGR_TRACE_MESSAGE-3-WLC_UNSUPPORTED_AP_MODE_ERR	3-Error	Ultra-low WLCs do not support Local Mode APs. This error will be logged whenever an AP tries to join in Local Mode on a vWLC ultra-low WLC.	ewlc-ap	Fix the configuration to allow AP to join in Flexconnect Mode.	
APMGR_TRACE_MESSAGE-4-AP_CPU_ALARM	4-Warning	An alarm was triggered for AP CPU measurements	ewlc-ap	LOG_STD_ACTION	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
APMGR_TRACE_MESSAGE-4-AP_GNSS_USB_DISCONNECTED	4-Warning	P	GNSS USB module disconnected from AP	ewlc-afc-rrm	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-4-AP_MEM_ALARM	4-Warning	P	An alarm was triggered for AP Memory measurements	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-4-AP_MERAKI_CONVERSION_FAILURE	4-Warning	P	Conversion to Meraki CAMP validation result	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
APMGR_TRACE_MESSAGE-4-EASYPSK_UNSUPPORTED_AP_MODE	4-Warning	Easy-PSK WLAN configured on AP not in local mode. WLAN will not be pushed to the AP.	ewlc-spwifi	Fix the configuration to move AP in local mode.	
APMGR_TRACE_MESSAGE-4-WLC_APMGR_WARNING_MSG	4-Warning	General Wireless LAN Controller warning message	ewlc-ap	LOG_STD_ACTION	
APMGR_TRACE_MESSAGE-4-WLC_CONFIG_CHECKER_WARNING	4-Warning	Warning message related to config checker	ewlc-ap	LOG_STD_ACTION	
APMGR_TRACE_MESSAGE-4-WLC_MDNS_AP_WARNING_MSG	4-Warning	Warning message related to mDNS AP	ewlc-ap	LOG_STD_ACTION	
APMGR_TRACE_MESSAGE-5-AP_AFC_BELOW_TX_MIN	5-Notice	5GHz radio operating below rf profile configured tx min due to afc restriction	ewlc-afc-rrm	LOG_STD_ACTION	

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
APMGR_TRACE_MESSAGE-5-WLC_AP_PUBLIC_CLOUD_ERR	5-Notice	APMGR_TRACE_MESSAGE-5-WLC_AP_PUBLIC_CLOUD_ERR	Public cloud WLCs do not support Local Mode in AP. This error will be logged whenever an AP tries to join in Local Mode in a Public Cloud WLC.	ewlc-ap	Fix the configuration to allow AP to join in Flexconnect Mode.
APMGR_TRACE_MESSAGE-6-AP_MERAKI_CONVERSION_SUCCESS	6-Information	APMGR_TRACE_MESSAGE-6-AP_MERAKI_CONVERSION_SUCCESS	Conversion to Meraki CAMP validation result has been successful	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Security-Mnemonics	Message-Explanation	Component	Recommended-Action
APMGR_TRACE_MESSAGE-6-CHAN_ZERO_DETECTED	6-Information	AP has reported on Channel 0 on one of the radio slots. This is generally happens when the configurations on the AP are set to factory default. WLC recovers this by rebooting the AP. Unless the message repeatedly appears, it does not require any action.	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-6-CLIENT_DEBUG_BUNDLE_INFO	6-Information	General Wireless LAN Controller Client debug bundle info message	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
APMGR_TRACE_MESSAGE-6-EWC_APMGR_OLD_VERSION	6-InformationP Please : Upgrade H 11AX AP to e 8.10 or d 6.12 so it P can join o the EWC 0 network r o 2 d r o n h e b g n a CWE k n	ewcap-image	LOG_STD_NO_ACTION
APMGR_TRACE_MESSAGE-6-EWC_APMGR_POLL_CCO_SUCCESS	6-InformationC The action g of polling r of CCO for a LATEST n and d SUGGESTED y software version has completed successfully	ewcap-image	LOG_STD_NO_ACTION
APMGR_TRACE_MESSAGE-6-WLC_APMGR_INFO	6-InformationG General : Wireless - LAN H Controller info message	ewlc-ap	LOG_STD_ACTION
APMGR_TRACE_MESSAGE-6-WLC_AP_JOIN	6-InformationP AP n Join/Disjoin o Wireless : LAN H Controller Error Message.	ewlc-ap	LOG_STD_ACTION
APP_AGENT-1-APP_AGENT_FAILURE	1-Alert p App Agent t Error r Condition n : H	ewlc-iot-gw	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
APP_AGENT-6-APP_AGENT_CHANGE_STATE_SUCCESS	6-Information	App Agent Success case when changing the state during workflow	ewlc-iot-gw	LOG_STD_NO_ACTION
AP_POWER_PROFILE_TRACE_MESSAGE-3-WLC_GEN_ERR	3-Error	General Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION
AUTHZ_CLI_MESSAGE3-ROGUE_AUTHZ_ALLOW_LIST_FILE_PROCESS_ERR	3-Error	Error in Rogue Authz Allow list file processing	ewlc-wips	LOG_STD_ACTION
AUTHZ_CLI_MESSAGE4-ROGUE_AUTHZ_ALLOW_LIST_FILE_PROCESS_WARN	4-Warning	Rogue Authz allow-list file processing warning message	ewlc-wips	LOG_STD_ACTION
AUTHZ_CLI_MESSAGE4-ROGUE_AUTHZ_ALLOW_LIST_MAX_ENTRIES_WARN	4-Warning	Rogue Authz allow-list maximum entries warning message	ewlc-wips	LOG_STD_ACTION
AUTHZ_CLI_MESSAGE5-ROGUE_AUTHZ_ALLOW_LIST_FILE_PROCESS_NOTICE	5-Notice	Rogue Authz Allow list file processing notice message	ewlc-wips	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
AUTHZ_SYSLOG6ROGUE_AUTHZ_DETECTED_AUTHORIZED_AP	6-Informational A new P Authz AP has been detected by b gtd :PA :A :oS :d :OB :d :m :d :SR :d :SS :d :d :d	ewlc-wips	LOG_STD_NO_ACTION
AUTHZ_SYSLOG6ROGUE_AUTHZ_DETECTED_AUTHORIZED_CLIENT	6-Informational A new to Authz Client C has been detected by d o t :d :A :w :CM :A :y b gtd :PA :A :oS :d :OB :d :m :d :SR :d :RNS :d :d :d	ewlc-wips	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
AUTO_FPD-3-FRU_HWPRG_UPG_ERR	3-Error	Some error occurred during auto upgrade		iosxe-binos-utils	Retry upgrade
AUTO_FPD-3-FRU_HWPRG_UPG_FAILED	3-Error	The non-programmable toswas upgraded and failed		iosxe-binos-utils	Retry upgrade
AUTO_FPD-5-FRU_HWPRG_UPG_START	5-Notice	The non-programmable tosfirmware is upgrading		iosxe-binos-utils	No action is required. This is informational message
AUTO_FPD-5-FRU_HWPRG_UPG_SUCCESS	5-Notice	The non-programmable toswas upgraded successfully		iosxe-binos-utils	No action is required. This is informational message

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
AUTO_UPGRADE-3-AUTO_ADVISE_SW_COM_BUNDLED	3-Error	lcNo lcExplanation grrequired.		iosxe-binos-utils	Boot the member with compatible software.
AUTO_UPGRADE-3-AUTO_ADVISE_SW_FAILED_PLATFORM	3-Error	dcSomehow o the platform nd type could r not nd determined.		iosxe-binos-utils	Add an action

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
AUTO_UPGRADE-3-AUTO_UPGRADE_FAILED_DISK	3-Error	There might be older files because of which there is not enough memory.	iosxe-binos-utils	Clean up disk space in the remote switch.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
AUTO_UPGRADE-3-AUTO_UPGRADE_FAILED_EXPAND	3-Error	df	TODO: add explanation.	iosxe-binos-utils	No action required.
AUTO_UPGRADE-3-AUTO_UPGRADE_FAILED_MEM	3-Error	df	There might be older files because of which there is not enough memory.	iosxe-binos-utils	Clean up disk space in the remote switch.
AUTO_UPGRADE-3-AUTO_UPGRADE_FAILED_PLATFORM	3-Error	df	Somehow the platform type could not be determined.	iosxe-binos-utils	Add an action

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
AUTO_UPGRADE-3-AUTO_UPGRADE_FAILED_STATE	3-Error	3-Error	The user has sup g operation n that requires s ia reboot to g take action. . P tor ent M d	iosxe-binos-utils	Reload the switch
AUTO_UPGRADE-3-AUTO_UPGRADE_INTERNAL_ERROR	3-Error	3-Error	la R Somehow the chassis/FRU dumber is t missing. s t ey	iosxe-binos-utils	Try to do it again.
AUTO_UPGRADE-3-AUTO_UPGRADE_MODE_UNKNOWN	3-Error	3-Error	le No le Explanation sa required. ne da o t ent les cl o t an otua ap rof le le le le le s i ton g da r o da ca	iosxe-binos-utils	Boot the member with compatible software.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
AUTO_UPGRADE-3-AUTO_UPGRADE_NOTHING_TO_CLEAN	3-Error	<p>If there is no old images found on the joining list by member's autoboot directory then the error of not finding the autoboot directory will be displayed.</p>	iosxe-binos-utils	User will have to manually delete old files using IOS delete command
AUTO_UPGRADE-3-AUTO_UPGRADE_NOTHING_TO_UPGRADE	3-Error	<p>The execution of the autoupgrade scenario will be skipped when there is no incompatible member in the stack.</p>	iosxe-binos-utils	No action is required from the user

Facility-Severity-Mnemonic	Severity	Message	MsgType	Component	Recommended-Action
AUTO_UPGRADE-3-AUTO_UPGRADE_NOT_SUPPORTED	3-Error	enA system not with s incompatible t software has g been d detected in s the stack. o The auto d upgrade r functionality h cannot be t initiated t because the e stack/HA d system is not running installed software. The user must manually upgrade the incompatible switch/FRU.	iosxe-binos-utils		Perform the one shot cli to convert system is install mode. Boot the system from the boot directory (bootflash/harddisk) using 'boot bootflash:packages.conf'
AUTO_UPGRADE-3-AUTO_UPGRADE_NO_DOWNGRADE	3-Error	pSkip d auto-downgrade n scenario s when the s active e switch does o not fulfill s the c minimum n software h release s version r requirement. m The active s switch is s running an m image lower c than the n remote n chassis's s minimum s software version.	iosxe-binos-utils		Upgrade the stack to a higher release version or remove the switch from the stack.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
AUTO_UPGRADE-3-AUTO_UPGRADE_PLATMISMATCH	3-Error	o	<p>It happens because of some incompatible switches.</p> <p>For example, ngwc and non-ngwc ones are incompatible</p>	iosxe-binos-utils	Plugin compatible switches for autoupgrade to run.
AUTO_UPGRADE-3-AUTO_UPGRADE_ROMMON_NOT_UPDATED	3-Error	e	<p>TODO: add an explanation.</p>	iosxe-binos-utils	NO action is required.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
AUTO_UPGRADE-3-SMU_SYNC_FAILED	3-Error	UMSMU sync failed because of some low reason.	SMU sync failed because of some low reason.	iosxe-p-smu	No action required, SMU sync will be tried in next reload.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
AUTO_UPGRADE-3-SMU_UPGRADE_FAILED_DISK	3-Error	IOSXE-3-Error	There might be older files because of which there is not enough memory.	iosxe-p-smu	Clean up disk space in the remote switch.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
AUTO_UPGRADE-5-AUTO_ADVISE_SW_BUNDLED	5-Notice	iosxe-bins-utils	No explanation required.	iosxe-bins-utils	Boot the member with compatible software.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
AUTO_UPGRADE-5-AUTO_ADVISE_SW_CONV	5-Notice	No explanation required.	iosxe-binos-utils	No specific action required.
AUTO_UPGRADE-5-AUTO_ADVISE_SW_FOUND	5-Notice	Just an init routine message.	iosxe-binos-utils	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
AUTO_UPGRADE-5-AUTO_ADVISE_SW_INITIATED	5-Notice	on a system with incompatible software has been detected in the stack. The stack will now determine whether or not software is available to be copied to the incompatible system, and if so, advise the user how to copy it. Otherwise, the system will merely let the user know that the software on the stack needs to be updated.	iosxe-binos-utils	No action is required.	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended Action
AUTO_UPGRADE-5-AUTO_ADVISE_SW_MSG	5-Notice	5-AUTO-ADVISE-SW-MSG	TODO: add an explanation.	iosxe-binos-utils	TODO: add an action
AUTO_UPGRADE-5-AUTO_ADVISE_SW_SEARCH	5-Notice	5-AUTO-ADVISE-SW-SEARCH	Just an init message.	iosxe-binos-utils	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
AUTO_UPGRADE-5-AUTO_ADVISE_SW_START	5-Notice	gld	Just an init message.	iosxe-binos-utils	No action is required.
AUTO_UPGRADE-5-AUTO_UPGRADE_CONV	5-Notice	gld	This needs to be converted as part of the auto upgrade.	iosxe-binos-utils	No action is required.
AUTO_UPGRADE-5-AUTO_UPGRADE_FINISH	5-Notice	gld	TODO: add explanation.	iosxe-binos-utils	TODO: add an action
AUTO_UPGRADE-5-AUTO_UPGRADE_FOUND	5-Notice	gld	Just an init message.	iosxe-binos-utils	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
AUTO_UPGRADE-5-AUTO_UPGRADE_INITIATED	5-Notice	on a system with incompatible software has been detected in the stack. The stack will first attempt to download software from a previously configured location, and install it to make the system compatible. If this is not successful, the stack will then determine whether running software on another stack member is available to be copied to the incompatible system, and whether or not it is appropriate to copy the software automatically	iosxe-binos-utils	No action is required.	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
AUTO_UPGRADE-5-AUTO_UPGRADE_INSTALLED	5-Notice	glibc	TODO: add an explanation.	iosxe-binos-utils	TODO: add an action
AUTO_UPGRADE-5-AUTO_UPGRADE_RELOAD	5-Notice	glibc	Part of the autoupgrade	iosxe-binos-utils	Just wait until the reload completes.
AUTO_UPGRADE-5-AUTO_UPGRADE_RELOAD_INSTALLED	5-Notice	glibc	TODO: add an explanation.	iosxe-binos-utils	TODO: add an action
AUTO_UPGRADE-5-AUTO_UPGRADE_SEARCH	5-Notice	glibc	Just an init message.	iosxe-binos-utils	No action is required.
AUTO_UPGRADE-5-AUTO_UPGRADE_START	5-Notice	glibc	Just an init message.	iosxe-binos-utils	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
AUTO_UPGRADE-5-AUTO_UPGRADE_START_CHECK	5-Notice	Part of the autoupgrade process failed on the device.	Part of the autoupgrade process failed on the device.	iosxe-binos-utils	NO action is required.
AUTO_UPGRADE-5-SMU_RB_SYNC_FAILED	5-Notice	SMU rollback or sync failed on some node.	SMU rollback or sync failed on some node. Most probable causes are that SMUs are not present on the media or the media is full.	iosxe-p-smu	Bring back the SMUs deleted and check whether there is enough space in remote member/SMUs
AUTO_UPGRADE_MODULAR-3-AUTO_ERR_SMU_SYNC_FAILED	3-Error	SMU sync failed. Most probable cause are that the smu files may have been removed from the active switch using the OS/linux commands. Another reason is that there is not enough space to copy the files to the standby.	SMU sync failed. Most probable cause are that the smu files may have been removed from the active switch using the OS/linux commands. Another reason is that there is not enough space to copy the files to the standby.	iosxe-p-smu	If the files are removed from the active bring it back to same location. Make sure there is enough space to copy the files on the standby

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
AUTO_UPGRADE_MODULAR3-AUTO_NOTICE_RUN_CORRECTION_FAILED	3-Error	The system o tried to to recover ent from the UMS mismatch, but failed. Engineer ent intervention is required no o via dn is s IP tion ent uns a gu la 'la	iosxe-p-smu	Get the 'show install log' and the btrace logs from active and standby
AUTO_UPGRADE_MODULAR5-AUTO_ADVISE_SW_MISMATCH	5-Notice	No dn explanation is required. era g til ss s ll w ton e b as	iosxe-binos-utils	Boot the member with same software.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
BBU-0-CHASFS_OBJECT_NOT_PRESENT	0-Emergency	chassis filesystem object expected to be present is not. This could be due to a software defect or filesystem failure.		cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-0-CHASFS_PROPERTY_CREATE	0-Emergency	chassis filesystem property was not properly created.		cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-0-CHASFS_PROPERTY_GET	0-Emergency	chassis filesystem property was not properly read by the system.		cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
BBU-0-CHASFS_PROPERTY_NOT_PRESENT	0-Emergency A chassis filesystem object property is expected to be present is not. This could be due to a software defect or filesystem failure.	cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-0-CHASFS_PROPERTY_SET	0-Emergency A chassis filesystem object property set failed to write.	cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-0-EVENT_LIBRARY	0-Emergency An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Type	Component	Recommended-Action
BBU-0-SERVICES_INITIALIZATION	0-Emergency	The system failed to initialize the application services.	Info	cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-0-UIPEER_CREATE	0-Emergency	The system failed to create a user interface for peer.	Info	cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-3-BAD_CELL	3-Error	Battery firmware detected a bad cell, in which can't be recharged.	Warning	cabo-platform	Replace the bad battery unit.
BBU-3-CHASFS_PROPERTY_DESTROY	3-Error	A chassis filesystem property that should have been destroyed was not destroyed.	Warning	cabo-platform	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
BBU-3-CLI_ERROR	3-Error	CLI execution failed.	CLI execution failed.	cabo-platform	No user action is required.
BBU-3-COMM_ERR	3-Error	Battery communication error.	Battery communication error.	cabo-platform	Collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-3-FW_UPGRADE_FAILED	3-Error	Battery firmware upgrade failed.	Battery firmware upgrade failed.	cabo-platform	Check battery status.
BBU-3-HW_INIT_PH_ERR	3-Error	Hardware initialization failed.	Hardware initialization failed.	cabo-platform	Collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-3-HW_RUNTIME_ERR	3-Error	Hardware runtime failed.	Hardware runtime failed.	cabo-platform	Collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BBU-4-AC_TO_DC_TRANSITION	4-Warning	Lost power from AC power line, system is powered by backup batteries.	Lost power from AC power line, system is powered by backup batteries.	cabo-platform	Check AC power line.

Facility-Severity-Mnemonic	Security-Messaging-Mnemonic	Msg Explan	Component	Recommended-Action
BBU-4-FW_UPGRADE_STARTED	4-Warning	enB Battery firmware o t upgrade is started. kd das	cabo-platform	No user action is required.
BBU-4-LOW_LEVEL	4-Warning	yeB Battery e charge is g below low vo l level %d (threshold.	cabo-platform	Check AC power line.
BBU-4-STATUS_CHANGE	4-Warning	ehB Status h change of m BBU ro parameters UBB t in kd sah das	cabo-platform	No user action is required.
BBU-5-BBU_EVT_LOG	5-Notice	yeB BBU Event t Log Data. goL - kd n \	cabo-platform	No user action is required.
BBU-5-CELL_RECOVERED	5-Notice	yeB battery l cell, which n i was t previously kd detected to das be bad, has now recovered.	cabo-platform	No user action is required.
BBU-5-CLI_OK	5-Notice	dnC CLI h execution successful.	cabo-platform	No user action is required.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
BBU-5-DC_TO_AC_TRANSITION	5-Notice	Cell AC power is restored, system is kept powered by AC power online no repair	cabo-platform	No user action is required.
BBU-5-FW_UPGRADE_FINISHED	5-Notice	Cell Battery firmware upgrade finished.	cabo-platform	No user action is required.
BBU-5-HW_HOTPLUG	5-Notice	Cell Battery hotplugged in the system, Started probing and initialization.	cabo-platform	No user action is required.
BBU-5-NORMAL_LEVEL	5-Notice	Cell Battery charge is above low level threshold. OK	cabo-platform	No user action is required.
BBU-7-FSM_TRANSITION	7-Debug	MS FSM transition, (old_state, event) -> new state OK	cabo-platform	No user action is required.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
BCRDU-3-PATCH_ACTIVATE_FAIL_MESSAGE	3-Error	During system reload, all committed patches will be automatically deactivated. For some reason, a patch reactivation fails.	iosxe-binos-utils	Check [bcrdu] ERR entries in the log files for message reporting problems.
BCRPGC-3-REFERENCE_STUBBED	3-Error	Stubbed function/variable is referenced.	iosxe-binos-utils	File a DDTS and attach the backtrace
BCRPGC-3-USWAP_ERROR	3-Error	Path for USWAP files.	iosxe-binos-utils	If this error is seen, it is recommended to clean up the flash usage. If more assistance is required, file a DDTS, attach the backtrace and btrace
BFDMGR-5-BFD_STATE_CHANGE	5-Notice	This syslog is generated when a BFD tunnel state changes	edge-forwarding	No action is required

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
BFDMGR-6-BFD_SLA_CHANGE	6-Information	This syslog is generated whenever the SLA of a BFD tunnel running on the router changes.	code-forwarding	No action is required
BINOS_LOGIN-3-AUTHERR	3-Error	This error occurs when there is an error in the system that prevents the user from being successfully authenticated.	iosxe-binos-utils	LOG_STD_NO_ACTION
BINOS_LOGIN-3-NOTROOT	3-Error	login can not be run without proper credentials.	iosxe-binos-utils	LOG_STD_NO_ACTION
BINOS_LOGIN-3-NOTTY	3-Error	login can not be run without stdin set to tty.	iosxe-binos-utils	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
BINOS_LOGIN-3-PAMERR	3-Error	MA	The system encountered a PAM error.	iosxe-binos-utils	LOG_STD_NO_ACTION
BINOS_LOGIN-3-PWNOENT	3-Error	o	The user's password was not authenticated correctly, but the user's environment data could not be established because the user's environment data is missing.	iosxe-binos-utils	LOG_STD_NO_ACTION
BINOS_LOGIN-6-PAMAUTHDENY	6-Informational	s	User was not authenticated.	iosxe-binos-utils	LOG_STD_NO_ACTION
BINOS_LOGIN-6-PAMMAXTRIES	6-Informational	m	The user tried and failed too many times to login.	iosxe-binos-utils	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
BIPC-3-BIPC_PERFORMANCE	3-Error	err	An internal buffer allocation has failed. dif	iosxe-binos-utils	No action is required. If the problem persists, or router performance is noticeably degraded, contact Cisco technical support. Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/cgi-bin/tac/tacOpen.pl or contact your Cisco technical support representative and provide the representative with the gathered information.
BIPCMGR-3-INVALID_TDL_ERROR_ON_MARSHAL	3-Error	LD	The bipc manager has attempted to marshal a message to be sent. The cddl library has generated an error on marshal that is unexpected. The message was not sent.	iosxe-binos-utils	This is unexpected. Report this to Cisco TAC

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
BOOT-0-APP_STARTFAILCRIT	0-Emergency	APP_STARTFAIL	<p>The process of the chassis has failed.</p> <p>This is important to the chassis has failed.</p>	iosxe-binos-utils	Note the time of the message and investigate the error message logs to learn more about the problem. If the problem persists or cannot be resolved, copy the error message and the output of show platform software tech-support into a plaintext file and contact Cisco technical support.
BOOT-0-BOOT_BADDIMM	0-Emergency	BOOT_BADDIMM	<p>This memory configuration isn't supported on this platform.</p> <p>This memory configuration isn't supported on this platform.</p>	iosxe-binos-utils	Change memory configuration to a supported one.
BOOT-0-BOOT_COMPLETE_FAIL	0-Emergency	BOOT_COMPLETE_FAIL	<p>The system has encountered a critical failure preventing successful boot.</p> <p>The system has encountered a critical failure preventing successful boot.</p>	iosxe-binos-utils	Note the time of the error message and system logs for additional information on the problem. If you are unable to resolve this problem, copy the error message and the output of show platform software tech-support into a plaintext file and contact Cisco technical support.

Facility-Severity-Mnemonic	Severity	Message	MsgType	Component	Recommended-Action
BOOT-0-DRV_INITFAIL	0-Emergency	A kernel driver that is critical to the functioning of the system failed to initialize properly.	iosxe-binos-utils	Note the time of the error message and check the kernel error logs for additional information on the problem. If you are unable to resolve this problem, copy the error message and the output of show platform software tech-support into a plaintext file and contact Cisco technical support.	
BOOT-0-DRV_LOADFAIL	0-Emergency	A kernel driver that was critical to the functioning (of the system) failed to load.	iosxe-binos-utils	Note the time of the error message and check the kernel error logs for additional information on the problem. If you are unable to resolve this problem, copy the error message and the output of show platform software tech-support into a plaintext file and contact Cisco technical support.	
BOOT-3-APP_STARTFAIL	3-Error	A process that does not affect the forwarding of network traffic failed to start.	iosxe-binos-utils	If the failed process is not something that needs to be corrected, do not address this message. If the failed process needs to be addressed, install new software and reload the router.	
BOOT-3-BOOTTIME_GET_ISSU_INFO_OF_REMOTE_CHASSIS_FAILED	3-Error	Failed to get remote switch US information for compatibility check. This could be for multiple underlying failures such as reachability of peer member lost or remote member not responding	iosxe-binos-utils	If standby is stuck retry with reloading standby. If standby does not comes up even after reloading attempts, try reloading the whole stack to recover.	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
BOOT-3-BOOTTIME_INCOMPATIBLE_SW_DETECTED	3-Error	Uncompatible software is detected on target fru/chassis.	iosxe-binos-utils	Upgrade manually or check auto-upgrade configuration.	
BOOT-3-BOOTTIME_MISMATCH_RESTRICTED_STACK_SETUP_DETECTED	3-Error	Uncompatible stacked setup detected on target fru/chassis.	iosxe-binos-utils	Switch with mismatch require to be reloaded	
BOOT-3-BOOTTIME_SMU_MISSING_DETECTED	3-Error	SMU file not found during bootup.	iosxe-p-smu	System will be running without the fix from the SMU	
BOOT-3-BOOTTIME_SMU_RUN_CORRECTION_FAILED	3-Error	The system attempted to recover from the SMU mismatch, but failed. Engineer intervention is required.	iosxe-p-smu	Get the 'show install log' and the btrace logs from active and standby	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
BOOT-3-BOOTTIME_SMU_SYNC_FAILED	3-Error	IOSMU sync of failed on your newly enjoined switch. Not out low at doR die dra low llw e b die die	IOSMU sync of failed on your newly enjoined switch. Not out low at doR die dra low llw e b die die	iosxe-p-smu	Switch with mismatch will be declared incompatible. Check the space on the remote switch. Check whether the file is present on active.
BOOT-3-COMP_SW_TREE_DIR_CREATION	3-Error	IOSF your has/issu s idirectory is gib die	IOSF your has/issu s idirectory is gib die	iosxe-binos-utils	No user action is necessary. This is an informative message.
BOOT-3-DUAL_BOOT_MEMORY	3-Error	IOS two IOS to die n iis NOR non die n owith insufficient P R memory	Running two IOS to die n iis NOR non die n owith insufficient P R memory	iosxe-binos-utils	Unset the specified ROMMON variable or increase the memory on the route-processor.

Facility-Severity-Mnemonic	Severity-Meaning	Message-Explanation	Component	Recommended-Action
BOOT-3-EXT_ISSU_CHK_FAILED	3-Error	<p> The standby RP is booted up with an image which is beyond the ISSU software endomain of the active RP's image, the functionality of active RP may be unpredictable. Hence the standby is being reset. </p>	iosxe-binos-utils	Remove the standby RP FRU from the chassis or boot it up with an image whose version is compatible with current running active RP.
BOOT-3-FLASH_READ_FAIL	3-Error	<p> Property not populated. </p>	iosxe-binos-utils	No user action is necessary. This is informative message.
BOOT-3-FSCK_FAILED	3-Error	<p> A device's file system consistency check failed and fsck utility was unable to repair it. </p>	iosxe-binos-utils	If this occurs frequently, contact Cisco technical support representative.
BOOT-3-OPMODE_ERR	3-Error	<p> The system has encountered a device-mode failure during boot. </p>	iosxe-binos-utils	The device-mode booting error information captured with console logging. For information, try show platform software device-mode CLI.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
BOOT-5-BOOTTIME_SMU_MISMATCH_DETECTED	5-Notice	UMS lcm mismatch mismatch found on a newly added switch. The live e b d dna lcm is not live e b d	SMU lcm mismatch found on a newly added switch. The live e b d dna lcm is not live e b d	iosxe-p-smu	Switch with mismatch will be reloaded
BOOT-5-BOOTTIME_SMU_RUN_MISMATCH_DETECTED	5-Notice	UMS lcm Running UMS Version of lcm SMU mismatch found on a newly added switch. The live e b d dna lcm is not live e b d	Running UMS Version of lcm SMU mismatch found on a newly added switch. The live e b d dna lcm is not live e b d	iosxe-p-smu	Stack will try to correct itself.
BOOT-5-BOOTTIME_SMU_TEMP_ACTIVE_DETECTED	5-Notice	UMS lcm SMU file is deactive temporary and 'install ' commit' UMS Needs to be run to make it permanent. Else reload without commit will deactive this SMU.	SMU file is deactive temporary and 'install ' commit' UMS Needs to be run to make it permanent. Else reload without commit will deactive this SMU.	iosxe-p-smu	Execute 'install commit' before reload to make activate permanent.

Facility-Severity-Mnemonic	Severity	Message	MsgType	Component	Recommended-Action
BOOT-5-BOOTTIME_SMU_TEMP_DEACTIVE_DETECTED	5-Notice	UMS SMU file is deactive temporary and 'install ' commit' UMS Needs to be run to make it permanent. Else reload without commit will active this SMU again.	Info	iosxe-p-smu	Execute 'install commit' before reload to make deactivate permanent.
BOOT-5-OPMODE_LOG	5-Notice	The device-mode booting information.	Info	iosxe-binos-utils	The device-mode booting information captured with console logging For information, try show platform softwate device-mode CLI.
BOOT-6-APP_START	6-Information	The process has successful launched and begun executing.	Info	iosxe-binos-utils	No user action is necessary. This message indicates the system is functioning normally and is provided for informational purposes only.
BOOT-6-DRV_LOAD	6-Information	A kernel driver that was critical to the functioning of the system was successfully loaded.	Info	iosxe-binos-utils	No user action is necessary. This message indicates the system is functioning normally and is provided for informational purposes only.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
BOOT-6-PARTIAL_CORE_REMOVED	6-Informational	On boot of the RP, an incomplete core file was found and removed.	Incomplete core files can happen for a variety of reasons, including the coincident failure of the active RP while a core file is being generated.	iosxe-binos-utils	No action required. This is not an error, it is an indication that the system is cleaning up a previous error.
BRELAY-3-LOCATE_FRU	3-Error	The brelay process is responsible for determining the target of the command, either local or a remote brelay instance.	Control is returned to IOSd by exiting the brelay instance.	iosxe-binos-utils	Check the status of the command target. Check the brelay log files for further indications as to why the initialization failed and if necessary restart the machine.
BSHELL-3-EXEC_DIRECTIVE_FAIL	3-Error	The diagnostic shell was unable to execute the requested directive.		iosxe-binos-utils	Check the diagnostic shell trace file for more information on the underlying failure.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
BSHELL-3-EXEC_FAIL	3-Error	The diagnostic shell was unable to execute the requested interactive command.	iosxe-binos-utils	Check the diagnostic shell trace file for more information on the underlying failure.
BSHELL-3-EXEC_PREPARE_FAIL	3-Error	The diagnostic shell was unable to prepare the requested interactive command for execution. The command failed.	iosxe-binos-utils	Check the diagnostic shell trace file for more information on the underlying failure.
BSHELL-3-GET_HOSTNAME_FAIL	3-Error	The diagnostic shell was unable to read the hostname from the kernel.	iosxe-binos-utils	No action is required. The diagnostic shell periodically checks for hostname changes to set the user prompt.
BSHELL-3-RECEIVE_MESSAGE_FAILED	3-Error	The diagnostic shell was unable to receive a message from the Shell Manager.	iosxe-binos-utils	Retry the operation or start a new diagnostic shell session.
BSHELL-3-SEND_MESSAGE_FAILED	3-Error	The diagnostic shell was unable to send a message to the Shell Manager.	iosxe-binos-utils	Retry the operation or start a new diagnostic shell session.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
BSHELL-3-TERMINAL_OPERATION_FAIL	3-Error	The diagnostic shell was unable to get or set terminal properties. An attempt to change or act on terminal properties failed.		iosxe-binos-utils	Restart the diagnostic shell and reattempt the failed operation
BSHELL-6-BSHELL_UPGRADE_DETECTED	6-Informational	The diagnostic shell detected a new installation of diagnostic shell software. The diagnostic shell instance exits and restarts with the new software version.		iosxe-binos-utils	This is an informational message only. No action is required.
BSHELL-6-SESSION_ENDED	6-Informational	A user has exited a diagnostic shell session.		iosxe-binos-utils	This is an informational message only. No action is required.
BSHELL-6-SESSION_STARTED	6-Informational	A user has started a diagnostic shell session.		iosxe-binos-utils	This is an informational message only. No action is required.

Facility-Severity-Mnemonic	Security Rating	Message Explanation	Component	Recommended Action
BSHELL-6-SMAN_CONNECTION_FAILED	6-Informational	The diagnostic shell is unable to connect to the Shell Manager, possibly because the Shell Manager process is no longer available. This type of error is experienced if a software upgrade is in progress.	iosxe-binos-utils	No action is required. Once the Shell Manager process has restarted, the diagnostic shell will reconnect.
BSHELL-6-SMAN_CONNECTION_LOST	6-Informational	The diagnostic shell was disconnected from the Shell Manager and the Shell Manager process is no longer available. This type of error is experienced if a software upgrade is in progress.	iosxe-binos-utils	This is an informational message only. No action is required. Once the Shell Manager process has restarted, the diagnostic shell will reconnect.

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
BSMRP-0-CHASFS_LOCATION_TRANSLATE	0-Emergency The backplane switch manager failed to translate a location to a chassis object name.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-CHASFS_OBJECT_CREATE	0-Emergency The hardware failed to create a chassis filesystem object.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-CHASFS_OBJECT_NOT_PRESENT	0-Emergency A chassis filesystem object expected to be present is not. This could be due to a software defect or filesystem failure.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Symptom	Component	Recommended-Action
BSMRP-0-CHASFS_OBJECT_WATCH	0-Emergency	HA chassis o filesystem l object was s not watched t because of t the reason l stated in the e error l message.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-CHASFS_PROPERTY_CREATE	0-Emergency	HA chassis o filesystem e property s was not t properly t created. l y l e l	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-CHASFS_PROPERTY_GET	0-Emergency	HA chassis o filesystem e property s was not t properly t read by the l system. y l e l	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Explan	Component	Recommended-Action
BSMRP-0-CHASFS_PROPERTY_NOT_PRESENT	0-Emergency	<p>chassis filesystem object property expected to be present is not. This could be due to a software defect or filesystem failure.</p>	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-CHASFS_PROPERTY_SET	0-Emergency	<p>chassis filesystem object property failed to write.</p>	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-CHASSIS_STATUS	0-Emergency	<p>The system failed to get the chassis hardware status.</p>	esg-bsm	Note the time of the error message and examine the logs for CPLD driver or hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
BSMRP-0-CHASSIS_TYPE	0-Emergency	BSMRP-0-CHASSIS_TYPE	The chassis type is invalid. This could be due to a hardware defect, software defect or incorrect IDPROM content.	esg-bsm	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-EVENT_LIBRARY	0-Emergency	BSMRP-0-EVENT_LIBRARY	An event facility initialization error or maintenance function failed. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-INVALID_ARGUMENT	0-Emergency	BSMRP-0-INVALID_ARGUMENT	A system function was not given an invalid argument. This is due to a software defect.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
BSMRP-0-IPC_CONNECTION_INVALID	0-Emergency	CP	An IPC connection has an invalid state. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-IPC_CONNECT_MASTER	0-Emergency	CP	IPC connection to the active RP failed. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-IPC_INITIALIZATION	0-Emergency	CP	IPC initialization failed. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
BSMRP-0-MESSAGE_REGISTER	0-Emergency	RP failed to register.	The active RP failed to register.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-MESSAGE_RELAY	0-Emergency	Failed to relay a message.	Failed to relay a message. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-MESSAGE_RESPONSE	0-Emergency	An invalid message response was received.	An invalid message response was received. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
BSMRP-0-MQIPC_ADVANCE	0-Emergency	MQIPC initialization failed.	The MQIPC initialization failed.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-MQIPC_INITIALIZATION	0-Emergency	MQIPC initialization failed. This could be due to a software defect or system resource exhaustion.	MQIPC initialization failed. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-PEER_TABLE	0-Emergency	A peer table reinitialization error occurred during maintenance refresh function failed. This could be due to a software defect or system resource exhaustion.	A peer table reinitialization error occurred during maintenance refresh function failed. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
BSMRP-0-PLATFORM_FAMILY_TYPE	0-Emergency	Platform family type is invalid.	If the platform family type is invalid. This could be due to a hardware defect, software defect or incorrect IDPROM content.	esg-bsm	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-RESOLVE_FRU	0-Emergency	Router failed to determine a FRU state.	If the router failed to determine a FRU state.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-SERVICES_INITIALIZATION	0-Emergency	System failed to initialize application services.	If the system failed to initialize application services.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
BSMRP-0-SIGNAL_INITIALIZATION	0-Emergency	The system failed to initialize signals.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-SLOTS_INITIALIZATION	0-Emergency	The system failed to initialize the chassis slot information.	esg-bsm	Note the time of the error message and examine the logs for IDPROM or software errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-0-SLOT_INVALID	0-Emergency	An absolute slot number is invalid. This could be due to a software defect or incorrect IDPROM content.	esg-bsm	Note the time of the error message and examine the logs for IDPROM or software errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Security-Mnemonics	Message-Id	Msg-Explan	Component	Recommended-Action
BSMRP-0-UIPEER_CREATE	0-Emergency	000000	The system failed to create a user interface for peer.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-3-BSM_SERVICE_SETUP	3-Error	000000	Backplane Switch Manager failed to set itself up as a proxy to the backplane switch.	esg-bsm	Collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-3-CHASFS_OBJECT_DESTROY	3-Error	000000	A chassis filesystem object that should have been destroyed was not destroyed.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
BSMRP-3-CHASFS_PROPERTY_DESTROY	3-Error	chassis	A chassis of filesystem with property that should have been destroyed was not destroyed.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSMRP-3-PEER_INVALID	3-Error	peer	A peer table entry has an invalid state. This could be due to a software defect or system resource exhaustion.	esg-bsm	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
BSSID_MGR_TRACE_MSG-3-WLC_GEN_ERR_TB	3-Error	General	General Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION
BTRACE_MANAGER-3-BTRT_ERR_MSG	3-Error	Trace	Trace rotate error message.	iosxc-binos-utils	LOG_STD_ACTION
BTRACE_MANAGER-4-FILTER_CONFIG	4-Warning	Trace	Trace Filter Manager FTU filter configuration error	polaris-trace	No action required

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
BTRACE_MANAGER-7-BTRT_LOG_MSG	7-Debug	BTTrace : Export info	iosxe-binos-utils	No action required
CAC_TRACE_MESSAGE-5-EWLC_GEN_ERR	5-Notice	General ewlc Error Message.	iosxe-binos-utils	LOG_STD_ACTION
CAPWAPAC_SMGR_TRACE_MESSAGE-3-DUPLICATE_IP_PORT	3-Error	If the APs are behind NAT/PAT, one of the ports is possibly mapped to multiple APs. Client may not be able to join this AP	ewlc-ap	If the APs are behind NAT/PAT, kindly check if same port is mapped to multiple APs
CAPWAPAC_SMGR_TRACE_MESSAGE-3-WLC_GEN_ERR	3-Error	General ewlc Error Message.	ewlc-ap	LOG_STD_ACTION
CAPWAPAC_SMGR_TRACE_MESSAGE-4-AP_MSG_THRESHOLD	4-Warning	Number of messages in capwap queue crossed the threshold (could or recovered)	ewlc-ap	LOG_STD_NO_ACTION
CAPWAPAC_SMGR_TRACE_MESSAGE-5-AP_JOIN_DISJOIN	5-Notice	AP Join/Disjoin Event	ewlc-ap	LOG_STD_NO_ACTION
CAPWAPAC_SMGR_TRACE_MESSAGE-6-WLC_APMGR_INFO	6-Information	General Wireless LAN Controller info message	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Explan	Component	Recommended-Action
CAPWAPAC_TRACE_MSG2-MAX_SUPPORTED_AP_LIMIT_90PCT_EXCEEDED	2-Critical	%90 Exceeded Maximum Supported AP join Limit not reached	ewlc-ap	LOG_STD_ACTION
CAPWAPAC_TRACE_MSG2-MAX_SUPPORTED_AP_LIMIT_EXCEEDED	2-Critical	Maximum Supported AP join Limit exceeded	ewlc-ap	LOG_STD_ACTION
CAPWAPAC_TRACE_MSG3-MAX_AP_LIMIT_REACHED	3-Error	Maximum AP join Limit breached error	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CAPWAPAC_TRACE_MSG3-MAX_LICENSE_AP_LIMIT_REACHED	3-Error	Device is not registered, to maximum of 10 AP join limit not reached	Error	ewlc-ap	LOG_STD_ACTION
CAPWAPAC_TRACE_MSG4-EWC_AP_JOIN_DISABLED_DURING_PNP	4-Warning	External AP is not allowed to join when internal AP image upgrade is going on as part of PnP image download	Warning	ewcap-image	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Explan	Component	Recommended-Action
CAFWAP_TRACE_MG4EWCAP_UNDRALEDURINGREDOWNLOAD	4-Warning	<p>New AP is not allowed to join during network upgrade</p>	ewcap-image	LOG_STD_ACTION
CAFWAP_TRACE_MG4EWCAP_UNDRALEDWNCDCONFIGSILNIPROCES	4-Warning	<p>External AP is not Allowed to join as WNCDC processes are still not being initialized with wlan/policy/site configs</p>	ewlc-app-infra	LOG_STD_ACTION

Facility-Severity-Mnemonic	Security-Minors-Majors-Exp	Component	Recommended-Action
CPWAPCIRACEMG4WVNCNIRVALPONDSEHDURNGINPNOIRON	4-Warning Internal AP y is not ht allowed to P Join in PnP M image ht upgrade CAM low till the M PnP o t Provision is no done slit do s av dr eud o t PnP gal do s i n i sp dra PnP nsP s i ton end	ewcap-image	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CPWPMCDWNDTRCMSGCAPWPMCDWNBVCACIMCHKFALD	3-Error	ewcap-image	LOG_STD_NO_ACTION		

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
AWMCDNDRAEVSCHAWMCDNDVCACTENCIRRDMSR	3-Error	ehInstaller efrequires that efthe reunconfigured P Apreferred canmaster somatches the tocurrent hactive entcontroller toAP name vbefore dloading. P Alease measure that efthe preferred efmaster is entconfigured efcorrectly reand then try P Aagain can htiw shv paw 'm o t lum ent via dlo P A can s a ms y b vs' shv paw ydr 'm dna yrt niga	ewcap-image	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CAWAP_MCDWND_TRACE_MESSAGE_CAWAP_MCDWND_EVC_EXTRA_DOWNLOAD_PROGRESS	3-Error	<p>16 WC allows only one active image transfer. For an AP join case, such a transfer has to be completed before a Network Upgrade is started.</p> <p>0</p> <p>rat</p> <p>ch</p> <p>cap</p> <p>yrt</p> <p>kon</p> <p>cap</p> <p>nig</p>	ewcap-image	Check 'show ap summary'. If the number of APs is the expected one, update the image download profile to point to the new software version, and retry Network Upgrade
CAWAP_MCDWND_TRACE_MESSAGE_CAWAP_MCDWND_EVC_APCENTER	3-Error	<p>% Network not ready for this install command</p>	iosxe-binos-utils	Try again later
CAWAP_MCDWND_TRACE_MESSAGE_CAWAP_MCDWND_EVC_AP_NO_SPACE	3-Error	<p>0 No sufficient space on flash to hold the image, please do some cleanup on bootflash:</p> <p>rd</p> <p>'bb</p> <p>o t</p> <p>tsl</p> <p>dna</p> <p>edd</p> <p>dm</p> <p>slf</p> <p>cap</p> <p>o d</p> <p>ba</p> <p>cur</p> <p>dip</p> <p>.</p>	iosxe-binos-utils	Try 'install remove profile default'

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CAWPMCDWDRCEMSGCAWPMCDWDRVCAPDMKEBDMATH	4-Warning	ewcap-image download did not work for P A join	ewcap-image	LOG_STD_NO_ACTION
CAWPMCDWDRCEMSGCAWPMCDWDRVCAPDMKEBDMATH	4-Warning	ewcap-image Not all APs might have the new image yet	ewcap-image	LOG_STD_NO_ACTION
CAWPMCDWDRCEMSGCAWPMCDWDRVCAPDMKEBDMATH	5-Notice	ewcap-image EWC-AP Master/Invalid Master AP list	ewcap-image	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Explan	Component	Recommended-Action
CAPMCDWDRCEMSICAPMCDWDEVCAPMCEDEH	6-Information	P Downloaded : AP image deleted P A eni st saw del	ewcap-image	LOG_STD_NO_ACTION
CAPMCDWDRCEMSICAPMCDWDEVCAPMCEFOUNDEH	6-Information	P Downloaded : AP image deleted from P RAM disk eni st uw eni con saw del	ewcap-image	LOG_STD_NO_ACTION
CAPMCDWDRCEMSICAPMCDWDEVCAPMCEBONMCH	6-Information	del Configured eni image download eni profile st works for P AP join eni nsw st grom dnp P A eni nsw o t mij stt del	ewcap-image	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
CWIMDWNDRCEMSG6CWIMDWNDEVCPMCEMADRST	6-Information: PWC-AP : Image PWC-Mapped in memory eg: /usr/lib/ld-linux.so.2 ... not output pointer	ewcap-image	LOG_STD_NO_ACTION
CWIMDWNDRCEMSG6CWIMDWNDEVCPMCEMADRST	6-Information: PWC-Controller : Image PWC-Unmapped from memory eg: /usr/lib/ld-linux.so.2 ... not output pointer	ewcap-image	LOG_STD_NO_ACTION
CWIMDWNDRCEMSG6CWIMDWNDEVCPMCEMADRST	6-Information: PWC-Predownload : Total and Completed kAP count PWC-Mismatched time, kAP PWC time left	ewcap-image	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Extn	Component	Recommended-Action
CERT-1-CERT_EXPIRED	1-Alert	<p> and the syslog is generated when the certificate used for DTLS/TLS connection towards SD-WAN controller has expired. Control connection to controllers will not come up as a result of this catastrophic failure </p>		vip-certificate	Please contact Cisco TAC
CERT-1-CERT_EXPIRING	1-Alert	<p> and syslog is generated to warn of impending certificate expiry </p>		vip-certificate	New certificate should be installed prior to expiring. Please contact Cisco TAC for assistance
CERT-3-CERT_STORE_INIT_FAILED	3-Error	<p> and syslog is generated when certificate store initialization fails. Control connection to controllers will not come up as a result of this failure </p>		vip-certificate	Please contact Cisco TAC and open a support ticket for this issue

Facility-Severity-Mnemonic	Severity	Message	Msg Type	Component	Recommended-Action
CERT-5-CERT_INSTALLED	5-Notice	This notice was generated when a new certificate is installed	syslog	vip-certificate	No action is required
CERT-5-CERT_STAGED	5-Notice	This notice was generated when a new certificate is staged	syslog	vip-certificate	No action is required
CERT-5-CERT_UNINSTALLED	5-Notice	This notice was generated when an installed certificate is uninstalled by administrative action	syslog	vip-certificate	No action is required
CERT-5-CERT_UNSTAGED	5-Notice	This notice was generated when a certificate is unstaged	syslog	vip-certificate	No action is required
CERT-5-NEW_CSR_GENERATED	5-Notice	This notice was generated whenever a new certificate signing request is generated	syslog	vip-certificate	No action is required
CERT-5-ROOT_CA_CRL_INSTALLED	5-Notice	This notice was generated when a root CA Certificate Revocation List is installed	syslog	vip-certificate	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CERT-5-ROOT_CA_CRL_UNINSTALLED	5-Notice	cert	This notice syslog is generated when a root CA Certificate Revocation List is uninstalled by administrative action	vip-certificate	No action is required
CERT-5-ROOT_CERT_CHAIN_INSTALLED	5-Notice	cert	This notice syslog is generated when a root certificate chain is installed	vip-certificate	No action is required
CERT-5-ROOT_CERT_CHAIN_UNINSTALLED	5-Notice	cert	This notice syslog is generated when an installed root certificate chain is uninstalled by administrative action	vip-certificate	No action is required
CERT_MGR_ERRMSG-3-CERT_MGR_GENERAL_ERR	3-Error	certmgr	General cert mgr lib error message	ewlc-ap	LOG_STD_ACTION
CERT_MGR_ERRMSG-3-CERT_VALIDATION_ERR	3-Error	certmgr	General Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CERT_MGR_ERRMSG-3-FIPS_AUDIT_FAIL_EXT_1_IIT_LSC_CA_CERT	3-Error	SSLSC CA A Certificate could not be generated due to CA ht flag true A C gl f ert	ewlc-ap	LOG_STD_ACTION
CERT_MGR_ERRMSG-3-FIPS_SUITABILITY_ERR	3-Error	SPIC General cert mgr lib error message	ewlc-ap	LOG_STD_ACTION
CERT_MGR_ERRMSG-3-PKI_SSL_IPC_RESP_ERR	3-Error	CPIC General Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION
CERT_MGR_ERRMSG-3-WLANCC_UPDATE_ERR	3-Error	CPIC General Wireless LAN Controller Error Message. CPIC Wireless LAN Controller Error Message. CPIC Wireless LAN Controller Error Message.	ewlc-ap	LOG_STD_ACTION
CERT_MGR_ERRMSG-4-CERT_MGR_WARNING	4-Warning	CPIC General Wireless LAN Controller warning message	ewlc-ap	LOG_STD_ACTION
CERT_MGR_ERRMSG-6-FIPS_SUITABILITY_INFO	6-Information	SPIC General cert mgr lib error message	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CFGMGR-3-ADMIN_PASSWD_UNCHANGED	3-Error	This syslog is generated when the default password of admin account is not updated due to an error. This could occur during bootup when the system is initializing	cdpconfdsetup	Please retry updating default password for admin account. If admin password cannot be updated after couple of attempts, please contact Cisco TAC for assistance
CFGMGR-4-ADMIN_PASSWD_CHANGE_DEFERRED	4-Warning	This syslog is generated when the system is initializing, and user tries to reupdate default password of admin account. Once bootup completes, config database is unlocked and admin password can be changed	cdpconfdsetup	This should be a temporary log, if the log continues to be seen on console, please contact Cisco TAC for assistance
CFGMGR-6-ADMIN_PASSWD_CHANGED	6-Informational	This info syslog is generated when the default password of admin account is updated	cdpconfdsetup	No action is required

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CFMGR_LOG-4-COUNTRY_CFG_DEPRECATED_CLI	4-Warning	Warning: The 'country' command has been deprecated, please start using the 'country' command instead.	ewlc-rrm	Please start using new form of cli mentioned in the explanation message
CFMGR_LOG-4-UNSUPPORTED_AP_DTLS_CIPHER	4-Warning	Warning: Unsupported DTLS cipher suite for AP in a given security mode.	ewlc-ap	No action required
CFMGR_LOG-7-CFG_DOWNLOAD_LOG_MSG	7-Debug	Debug: Config download info.	iosxe-bins-utils	No action required
CGM_NGWC-3-NOMEM	3-Error	Error: The configuration is too large.	INVALID	Check the existing ACL configuration.
CHASFS-3-NOCHASFS DIR	3-Error	Error: No explanation.	iosxe-chasfs	LOG_STD_NO_ACTION
CHASFS-3-NOINOTIFY	3-Error	Error: This error occurs when there is an error in the system that prevents the notification facility from being accessed.	iosxe-chasfs	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Explan	Component	Recommended-Action
CHASFS-3-NOOPEN_PROPERTY	3-Error	01An application was not able to open a an object in its local chassis file system.	iosx-chassismgr	LOG_STD_RECUR_ACTION
CHASFS-3-NORESOLVE_LOCAL_OBJECT	3-Error	01An application was not able to create a URL to create a reference to an object in its local chassis file system.	iosx-chassismgr	LOG_STD_RECUR_ACTION
CIA-0-CPA_INITIALIZATION	0-Emergency	01cpa_init has failed. This might be because of CPA south bound libraries are missing or a mapping of CPA libraries to PD_TYPE missing in cpa_fru_dbconf	iosx-chassismgr	Review cpa logs
CENTEXCLUSNADIMSGCHSAIDFATSEICENTASCONRECH	3-Error	01Client association rejected because of dnexclusing	ewlc-client	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CLIENT_EXCLUSION_SERVER-5-ADD_TO_EXCLUSIONLIST_REASON	5-Notice	Client was added to exclusion list	ewlc-client	Message notification informing about the client was added to exclusion list
CLIENT_EXCLUSION_SERVER-5-ADD_TO_EXCLUSIONLIST_REASON_DYNAMIC	5-Notice	Client was added to exclusion list	ewlc-client	Message notification informing about the client was added to exclusion list
CLIENT_HA_SVC_MESSAGE-3-EWLC_RECREATE_ERR	3-Error	Failure seen during heap recreate	iosxe-binos-utils	LOG_STD_ACTION
CLIENT_IPV6_TRACE_MESSAGE-3-CLIENT_IPV6_CRIT_ERR	3-Error	Client IPv6 Error Message.	iosxe-binos-utils	LOG_STD_ACTION
CLIENT_IPV6_TRACE_MESSAGE-4-CLIENT_IPV6_WARN	4-Warning	Client IPv6 Warning Message.	iosxe-binos-utils	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended Action
CENORCHADIMESSAGESAUDITCSKM2PKUNABLETOUPDATEBROADCASTKEYS TO CLIENT	3-Error	Unable to update broadcast keys to client	ewlc-client	LOG_STD_ACTION
CENORCHADIMESSAGESAUDITCSKM2PKDEFLECTIONATTACK	3-Error	Deflection attack detected from this mobile	ewlc-client	LOG_STD_RECUR_ACTION
CENORCHADIMESSAGESAUDITCSKM2PKNAIDKEYDATALEN	3-Error	Invalid key data length	ewlc-client	LOG_STD_RECUR_ACTION
CENORCHADIMESSAGESAUDITCSKM2PKNAIDKEYTYPE	3-Error	Invalid key type	ewlc-client	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended Action
CLIENT_ORCH_AUDIT_MESSAGE3HS_AUDIT_FCSKM2PMK_NAIDMC	3-Error	Received Invalid MIC in EAPOL-Key Message during handshake	Received Invalid MIC in EAPOL-Key Message during handshake	ewlc-client	LOG_STD_RECUR_ACTION
CLIENT_ORCH_AUDIT_MESSAGE3HS_AUDIT_FCSKM2PMK_NAIDMCNM2	3-Error	Received Invalid MIC in EAPOL-Key Message M2	Received Invalid MIC in EAPOL-Key Message M2	ewlc-client	LOG_STD_RECUR_ACTION
CLIENT_ORCH_AUDIT_MESSAGE3HS_AUDIT_FCSKM2PMK_NAIDREPLAY_WINDOW	3-Error	Invalid Replay Window	Invalid Replay Window	ewlc-client	LOG_STD_RECUR_ACTION
CLIENT_ORCH_AUDIT_MESSAGE3HS_AUDIT_FCSKM2PMK_NAIDSECURE_BIT	3-Error	Invalid Secure bit	Invalid Secure bit	ewlc-client	LOG_STD_RECUR_ACTION
CLIENT_ORCH_AUDIT_MESSAGE3HS_AUDIT_FCSKM2PMK_ZERO_MIC	3-Error	Zero MIC Received	Zero MIC Received	ewlc-client	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CENTORCHADIMSCHEPSAUDITSCW2PKUNABETONDSSEKEYDAP	3-Error	Unable to Send Session key to AP - not des - key not P A	ewlc-client	LOG_STD_ACTION
CENTORCHADIMSCHEPSAUDITFATSEIDENYCLIENTACCESS	3-Error	Received Dissociation request in non-active hours toC non del s a t i s i ton n i e A snbl ols bl	ewlc-client	LOG_STD_RECUR_ACTION
CENTORCHADIMSCHEPSAUDITEXTIDENYCLIENTFROMMOB	6-Information	Association received from mobile on BSSID del mr f el m n o DSB bl P A bl	ewlc-client	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CLIENT_ORCH_GUEST_LAN_LOG-3-CLIENT_JOIN_FAILED	3-Error	derWireGuest tsClient failed to joining M d g n o malv le k en M R M	ewlc-client	If this message occurs, client failed joining and was deleted.	
CLIENT_ORCH_GUEST_LAN_LOG-3-CLIENT_JOIN_FAILED_NO_MAC	3-Error	gRWireGuest nClient failed f joining drw ts t ht w o n CAM n o malv le k en d	ewlc-client	If this message occurs, client failed joining and was deleted.	
CLIENT_ORCH_GUEST_LAN_LOG-5-CLIENT_JOIN_IGNORED	5-Notice	yrA request to g join the tClient was t ignored n because the t client is n already m connected le dna k en M s aw c	ewlc-client	No action is required	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CLIENT_ORCH_GUEST_LAN_LOG-7-CLIENT_RECEIVED	7-Debug	New Wired Guest client received		ewlc-client	No action is required
CLIENT_ORCH_LOG-3-CLIENT_TRACEBACK	3-Error	General Client Error Message.		ewlc-client	LOG_STD_ACTION
CLIENT_ORCH_LOG-4-ANCHOR_INVALID_MBSSID	4-Warning	Export anchor required but config is incorrect (e.g.: wlan should be :group, wlan profile name and policy profile name, should match)		ewlc-guest	If this message occurs, it implies that Wlan needs to be up or wlan profile name and policy profile name need to match

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CLIENT_ORCH_LOG-4-ANCHOR_INVALID_WLAN_ID	4-Warning	Export anchor required but unable to get wlan id	ewlc-guest	If this message occurs, it implies that Wlan name is not configured
CLIENT_ORCH_LOG-4-ANCHOR_NOT_EXPORT_WLAN	4-Warning	Export anchor required but wlan not configured as mobility export anchor	ewlc-guest	If this message occurs, it implies that Wlan is not configured as mobility export anchor

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CLIENT_ORCH_LOG-5-ADD_TO_EXCLUSIONLIST_MAC_THEFT_REASON	5-Notice	Blacklisting client on IP address :P for MAC address theft.	ewlc-client	If this message occurs, it implies that there was MAC address theft.
CLIENT_ORCH_LOG-5-ADD_TO_EXCLUSIONLIST_REASON	5-Notice	Blacklisting client on IP address :P for MAC address theft or IP and MAC address theft.	ewlc-client	If this message occurs, it implies that there was IP theft or MAC address theft or IP and MAC address theft.
CLIENT_ORCH_LOG-5-EASYPISK_CLIENT_DELETED	5-Notice	Easy-PISK client was deleted because of AAA Exchange failure.	ewlc-client	If this message occurs, it implies that client was deleted due to AAA exchange failure.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CLIENT_ORCH_LOG-5-WEBAUTH_ON_MAB_FAILURE_ROAMING_DENIED	5-Notice	Roaming denied for Webauth on MAB failure client.	ewlc-client	If this message occurs, it means that roaming occurred with controllers with different MAC authentication lists.
CLIENT_ORCH_LOG-6-CLIENT_ADDED_TO_RUN_STATE	6-Informational	Details for client when it goes to run state	ewlc-client	If this message occurs, it implies that client successfully went to RUN state
CLIENT_ORCH_LOG-7-CLIENT_IP_UPDATED	7-Debug	Details for client when it goes to P run state	ewlc-client	If this message occurs, it implies that client successfully went to RUN state
CLIENT_ORCH_LOG-7-CLIENT_MOVED_TO_DELETE_STATE	7-Debug	Details for client when it goes to P delete state	ewlc-client	If this message occurs, it implies that client successfully went to DELETE state

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CLIENT_ORCH_LOG-7-CLIENT_MOVED_TO_RUN_STATE	7-Debug	ewlc-client	Details for client when it goes to P Run state	ewlc-client	If this message occurs, it implies that client successfully went to RUN state
CLIENT_ORCH_VLAN_OVERRIDE_LOG-7-CLIENT_VLAN_OVERRIDE	7-Debug	ewlc-client	The client received a n o lan m a l o v e r r i d e after authentication	ewlc-client	No action is required

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Expr	Component	Recommended-Action
CLIENT_ORCH_VLAN_OVERRIDE_LOG7CLIENT_VLAN_OVERRIDE_TIMEOUT	7-Debug	The client needs to re-associate within 30s after a vlan override otherwise it will be deleted.	ewlc-client	No action is required
CLIENT_ORCH_VLAN_OVERRIDE_LOG7FOREIGN_CLIENT_VLAN_OVERRIDE	7-Debug	The export of foreign client received a vlan override from anchor	ewlc-client	No action is required
CLOUDMONBOARDING_DEBUGONLY3CLOUDMONBOARDING_HITCON_ERROR	3-Error	Received an httpcon PTH error while onboarding controller	cloudm	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	MsgType	Component	Recommended-Action
CLOUDMONBOARDINGDRAGONHY3CLOUDMONBOARDINGHTTPERR	3-Error	Received an http error while provisioning controller	PTN	cloudm	LOG_STD_NO_ACTION
CLOUDMONBOARDINGDRAGONHY6CLOUDMONBOARDINGSUCCESS	6-Information	Successfully provisioned, otp upgraded, or received access token for device	IS	cloudm	LOG_STD_NO_ACTION
CLOUDMONBOARDINGSPACESCLOUDMONBOARDINGSPACESAUTHICKENERR	3-Error	Spaces persistent credential installation did not go through errors	as	cloudm	If this message occurs, it means persistent credentials for Spaces could not be installed for errors
CLOUDMONBOARDINGSPACESCLOUDMONBOARDINGSPACESOTPINSTALLERR	3-Error	Spaces OTP installation did not go through errors	as	cloudm	If this message occurs, it means OTP for Spaces could not be installed for errors
CLOUDMONBOARDINGSPACESCLOUDMONBOARDINGSPACESACCESSTOKEN	6-Information	Updated access token for Spaces not sah neeb	as	cloudm	If this message occurs, it means access-token for Spaces have been installed

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CLOUDMGR-6-SPACES_ACCESS_DENIED	6-Informational Spaces Access token installation not went through errors e/b dis rof st	cloudm	If this message occurs, it means access token for Spaces could not be installed for errors
CLOUDMGR-6-SPACES_AUTH_TOKEN	6-Informational Installed Persistent client-credentials for Spaces evh neb dis	cloudm	If this message occurs, it means client-credentials for Spaces have been installed
CLOUDMGR-6-SPACES_OTP_INSTALL	6-Informational Installed OTP for PT Spaces sah neb dis	cloudm	If this message occurs, it means OTP for Spaces has been installed
CLOUDM_TEST-6-HTTP_RESPONSE	6-Informational Result of the test request st	iosxe-ui	LOG_STD_NO_ACTION
CLUSTERMG-1-PLATFORM_MISMATCH	1-Alert n The peer switch is incompatible and cannot join the stack. tuc e/b rof ht iv rep kw st	polaris-clustering	Replace peer switch with platform compatible switch

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CLUSTERMGR-1-QUICK_RLD	1-Alert	kl	The specified switch has received a reload request and is being quick reloaded.	polaris-clustering	No action is required
CLUSTERMGR-1-RELOAD	1-Alert	n	The specified switch has received a reload request and is being reloaded.	polaris-clustering	No action is required
CLUSTERMGR-4-SWITCH_REMOVED	4-Warning	kl	The specified switch has been removed from the stack.	polaris-clustering	No action is required
CLUSTERMGR-6-DUAL_ACTIVE_CFG_MSG	6-Information	kl	Switch detected a change in availability of Dual Active Detection ports.	polaris-clustering	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMAN_IDPROM_ENVMON-3-CMAN_IDPROM_FIELD_INVALID	3-Error	CMAN_IDPROM_FIELD_INVALID	If this error occurs then parsing of the environmental monitoring data is aborted. Environmental monitoring will be either incomplete or absent entirely.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMAN_INIT-1-CMAN_BOOT_FAIL	1-Alert	CMAN_BOOT_FAIL	CMAN initialization has failed.	iosxe-chassismgr	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
CMAN_INIT-1-CMAN_INIT_FAIL	1-Alert	CMAN_INIT_FAIL	CMAN initialization has failed.	iosxe-chassismgr	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
CMAN_LED-6-BEACON_LED_TURNED	6-Informational	BEACON_LED_TURNED	Beacon LED turned ON/OFF. This is a notification message only. No action is required.	iosxe-chassismgr	This is a notification message only. No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMAN_LED-6-CHASSIS_BEACON_LED_TURNED	6-Informational	isBeaconLED turned ON/OFF.	This is a notification message only. No action is required.	iosx-chassisgr	This is a notification message only. No action is required.
CMAN_NYQ-1-CMAN_INIT_FAIL	1-Alert	CMAN initialization has failed.		iosx-chassisgr	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
CMAN_SEM-2-SEM_ERR	2-Critical	ME SA Single Event Upset (SEU) event has occurred in one of the cnd FPGA.	These events may occur at any point of time, but are considered to be rare.	iosx-chassisgr	If the error is seen only once, there is no need for anything to be done. If these errors are appearing continuously/persistently, please copy over the logs as they appear in the console, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.
CMAN_THERMAL-1-THERMAL_GREEN_THRESHOLD	1-Alert	The switch is too cold.		iosx-chassisgr	Check the switch's environment is a safe operating temperature. If problem persists, replace the switch.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMAN_THERMAL-1-THERMAL_RED_THRESHOLD	1-Alert	Hotspot temperature is critically high. The switch will soon be shutdown to prevent permanent damage.	iosxe-chassismgr	Check the switch's environment is a safe operating temperature. If problem persists, replace the switch.	
CMAN_THERMAL-2-THERMAL_YELLOW_THRESHOLD	2-Critical	Hotspot temperature is too high. Improve cooling immediately.	iosxe-chassismgr	Check the switch's environment is a safe operating temperature. If problem persists, replace the switch.	
CMCC-0-C2W_INITIALIZATION	0-Emergency	The C2W PLSIP is used to read the shared port adapter (SPA) IDPROM. This error indicates that the SIP C2W bus failed to initialize.	iosxe-chassismgr	Examine the logs for C2W driver errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the gathered information.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMCC-0-CHASFS_LOCATION_TRANSLATE	0-Emergency	CMCC-0-CHASFS_LOCATION_TRANSLATE	The system failed to translate a data sensor location to the chassis filesystem (CHASFS) module. This error could be caused by a software defect.	ios-chassis	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtool.html . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tac.asp or contact your Cisco technical support representative and provide the representative with the gathered information.
CMCC-0-CHASFS_OBJECT_CREATE	0-Emergency	CMCC-0-CHASFS_OBJECT_CREATE	The system failed to create a chassis filesystem object. This error could be caused by a software defect or a filesystem failure.	ios-chassis	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtool.html . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tac.asp or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-0-CHASFS_OBJECT_NOT_PRESENT	0-Emergency	chassis filesystem object. This error could be caused by a software defect or a filesystem failure.	The system was unable to find an expected filesystem object. This error could be caused by a software defect or a filesystem failure.	ios-xe-chassismgr	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.
CMCC-0-CHASFS_OBJECT_WATCH	0-Emergency	chassis filesystem object. This error could be caused by a software defect or a filesystem failure.	The system failed to watch a chassis filesystem object. This error could be caused by a software defect or a filesystem failure.	ios-xe-chassismgr	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMCC-0-CHASFS_PROPERTY_CREATE	0-Emergency	CHASFS: failed to create a file in the filesystem object property.	This error could be caused by a software defect or a filesystem failure.	ios-chassis	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bughub.html . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tac.asp or contact your Cisco technical support representative and provide the representative with the gathered information.
CMCC-0-CHASFS_PROPERTY_GET	0-Emergency	CHASFS: failed to read a file in the filesystem object property.	This error could be caused by a software defect or a filesystem failure.	ios-chassis	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bughub.html . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tac.asp or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-0-CHASFS_PROPERTY_NOT_PRESENT	0-Emergency	chassis: cannot allocate a file system object property.	The system failed to allocate a file system object property. This error could be caused by a software defect or a filesystem failure.	ios-xe-chassismgr	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.
CMCC-0-CHASFS_PROPERTY_SET	0-Emergency	chassis: failed to write a file system object property.	The system failed to write a file system object property. This error could be caused by a software defect or a filesystem failure.	ios-xe-chassismgr	Restart the SIP. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-0-CHASSIS_TYPE	0-Emergency	CMCC-0-CHASSIS_TYPE	The system has detected an invalid chassis type. This error could be caused by a hardware defect, software defect, or incorrect IDPROM content.	ios-chassis	Examine the logs for IDPROM or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtools.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tac.asp or contact your Cisco technical support representative and provide the representative with the gathered information.
CMCC-0-CPLD_INITIALIZATION	0-Emergency	CMCC-0-CPLD_INITIALIZATION	A SIP Complex Programmable Logic device (CPLD) failed to initialize. This error could be caused by a hardware or software driver defect.	ios-chassis	Examine the logs for CPLD driver or hardware errors. Verify that the software and CPLD versions are compatible.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-0-CPLD_INTR_ENABLE	0-Emergency	DR interrupt enable failed to initialize.	The CPLD interrupt enable failed to initialize. This error could be caused by a hardware defect or CPLD driver defect.	ios-chassismgr	Examine the logs for CPLD driver or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techass or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-0-CPLD_IOCTL	0-Emergency	A complex programmable logic device (CPLD) I/O driver control has failed. This error could be caused by a hardware or software driver defect.	iosx-chassis	Examine the logs for CPLD driver and hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/bugtools/bgt . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tac or contact your Cisco technical support representative and provide the representative with the gathered information	
CMCC-0-EVENT_LIBRARY	0-Emergency	An event facility initialization error or maintenance function failed. This could be due to a software defect or system resource exhaustion.	iosx-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	

Facility-Severity-Mnemonic	Severity-Mnemonic-Explanation	Component	Recommended-Action
CMCC-0-FLOW_CONTROL_MBE	0-Emergency On the carrier card, the FPGA has failed to initialize. This error could be caused by a hardware defect.	iosv-chassis-mgr	MIP100 is reloaded to correct the error. If the problem persists, the MIP100 hardware may need to be replaced.
CMCC-0-FPGA_INITIALIZATION	0-Emergency On the carrier card, the FPGA has failed to initialize. This error could be caused by a hardware defect.	iosv-chassis-mgr	Examine the driver logs or hardware errors. Decode the core accompanied with this error.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMCC-0-HTDP_ENABLE	0-Emergency	HTDP	The Hypertransport datapath failed to initialize. This error could be caused by a hardware defect or HTDP driver defect.	iosv-chassis	Examine the logs for HTDP driver or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtools.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/ta or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-0-HT_INITIALIZATION	0-Emergency	IP SIP HyperTransport (HT) CPU salbus failed to initialize. This error could be caused by a hardware defect or HT driver defect.	iosx-chassisgr	Examine the logs for HT driver or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.	

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
CMCC-0-HT_IOCTL	0-Emergency	PLSayer tH r module O (PLIM) h HyperTransport sal(HT) driver d al/O has c failed. This M error could be caused by a hardware defect or HT driver defect.	A physical layer interface module (PLIM) on HyperTransport sal(HT) driver d al/O has c failed. This M error could be caused by a hardware defect or HT driver defect.	issue-chasing	Examine the logs for HT driver or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl or contact your Cisco technical support representative and provide the representative with the gathered information.
CMCC-0-IPC_CONNECTION_INVALID	0-Emergency	CP r communication sal(IPC) d connection c has an invalid state. This error could be caused by a software defect or system resource limitation.	An inter-process communication sal(IPC) d connection c has an invalid state. This error could be caused by a software defect or system resource limitation.	issue-chasing	Restart the SIP.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMCC-0-IPC_CONNECT_MASTER	0-Emergency	CMCC-0-IPC_CONNECT_MASTER	The inter-process communication (IPC) connection to the active processor (RP) failed. This error could be caused by a software defect or system resources limitation.	iosx-chassismgr	Restart the SIP.
CMCC-0-IPC_INITIALIZATION	0-Emergency	CMCC-0-IPC_INITIALIZATION	An inter-process communication (IPC) initialization failed. This error could be caused by a software defect or system resource limitation.	iosx-chassismgr	Restart the SIP.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMCC-0-PCI_RESCAN	0-Emergency	PCI	The PCIE bus failed to rescan. This error could be caused by a hardware defect, software driver defect, or improper internal configuration.	iosv-chassisgr	Examine the logs for PCIE bus driver and hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/cgi-bin/tac/tacOpen or contact your Cisco technical support representative and provide the representative with the gathered information
CMCC-0-PEER_INVALID	0-Emergency	PEER	An invalid restate occurred in the peer table entry. This error could be caused by a software defect or system resource limitation.	iosv-chassisgr	Restart the SIP.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended Action
CMCC-0-PLIM_HALT	0-Emergency	MLP	A physical layer interface module (PLIM) on HyperTransport (HT) driver I/O has failed. This error could be caused by a hardware defect or an HT driver defect.	iosxe-chassismgr	Restart the SIP. If the problem persists, you may need to replace the PLIM.
CMCC-0-PLIM_INITIALIZATION	0-Emergency	MLP	The physical layer interface module (PLIM) failed to initialize. This error could be caused by a hardware defect or a PLIM driver defect.	iosxe-chassismgr	Examine the logs for PLIM driver or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/BugSearch.do . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-0-PLIM_IOCTL	0-Emergency	PLIM driver I/O failed.	A physical layer interface module (PLIM) has failed. This error could be caused by a hardware defect or a PLIM driver defect.	ios-cissmg	Examine the logs for PLIM driver or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtools.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMCC-0-SERDES_INITIALIZATION	0-Emergency	PI The SIP AS Serial bridge AS ASIC failed to initialize. CS This error could be caused by a hardware defect, software driver defect, or improper internal configuration.	ios-chassis-mgr	Examine the logs for serial bridge ASIC driver and hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/go/techassist or contact your Cisco technical support representative and provide the representative with the gathered information	
CMCC-0-SERVICES_INITIALIZATION	0-Emergency	PI The system failed to initialize certain application services. CS This error could be caused by a software defect or system resource limitation.	ios-chassis-mgr	Restart the SIP.	

Facility-Severity-Mnemonic	Security-Mnemonics	Msg-Explan	Component	Recommended-Action
CMCC-0-UIPEER_CREATE	0-Emergency	The system failed to create a user interface peer. This error could be caused by a software defect or system resource limitation.	iss-chasing	Restart the SIP.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMCC-2-BAD_ID_HW	2-Critical		Hardware in the specified location could not be identified as a genuine Cisco product	dr-platm-infra	Replace the hardware with a genuine Cisco product. If this message recurs, contact your Cisco technical support representative and provide the representative with the gathered information

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMCC-2-BAD_ID_HW_SLOT_STR	2-Critical		Hardware in the specified location could not be identified as a genuine Cisco product	ios-cdmg	Replace the hardware with a genuine Cisco product. If this message recurs, contact your Cisco technical support representative and provide the gathered information

Facility-Severity-Mnemonic	Security Message	Msg Explan	Component	Recommended-Action
	d r n i t s e h e l n o e h y a t o e b a c u o s . o o s s t d n t u i o y l y m o t c u o s s o f l o s s t t a n y n i f o o s y m C W s e M I A s e k o s e A P S s e C B r o r o			

Facility-Severity-Mnemonic	Security-Magnitude-Mnemonic	Message-Explanation	Component	Recommended-Action
		<p> sub on a C top s i ent ex f o a top si C y am yed top rou ncy yaw r o rou a C top top </p>		
CMCC-2-CC_SPA_MOVE_SM	2-Critical	<p> ***CMCC SPA CCM was APStrucked for M 3 minute in s state: ccs_kill_wait rofor the line ard. etun n i as uk rof tois ,d grom ent cas en </p>	ios-chassis	move the cmcc spa state machine.

Facility-Severity-Mnemonic	Severity-Mnemonics	Message-Explanation	Component	Recommended-Action
CMCC-2-CC_SPA_PSM_READY_NOT_RCVD	2-Critical	***CMCC SPA COM was not detected for PSM READY for 100 sec. YDR the local processes of this .id	iosx-chassismgr	do remove hard.
CMCC-2-CC_SPA_STRUCK	2-Critical	***CMCC SPA COM was APStrucked for 1 minute in state: ats_kill_wait for the line card. ats of this .id	iosx-chassismgr	move the cmcc spa state machine.
CMCC-2-FRU_HWPRG_UPG_FAILED	2-Critical	***Upgrade of the programmable failed to upgrade the CPLD/FPGA or firmware on the given FRU n i id	iosx-chassismgr	Reload the card and retry to program the hw-programmable. If the card fails to come up please contact TAC

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMCC-2-FRU_HWPRG_UPG_SUCCESS	2-Critical	Successful upgrade of the programmable device. Success to upgrade the CPLD/FPGA firmware on the given FRU.	ios-chassis-gr	No action is required. This is informational message
CMCC-2-FRU_IOFPGA_UPG_FAILED	2-Critical	Upgrade of field programmable device failed.	ios-chassis-gr	Reload the card and retry to program the field programmable device. If the card fails to come up please contact TAC
CMCC-2-FRU_IOFPGA_UPG_LC_PWR_CYCLE_DONE	2-Critical	Power cycled the line card after FPGA upgrade.	ios-chassis-gr	Line card has been power cycled after FPGA upgrade.

Facility-Severity-Mnemonic	Severity-Mnemonics	Message-Explanation	Component	Recommended-Action
CMCC-2-FRU_IOFPGA_UPG_SUCCESS	2-Critical	*** Upgrade of field programmable device was successful on the given FRU. Line card needs to be power-cycled or removed and re-inserted for upgrade to take effect.	iosxe-chassismgr	Line card needs to be power cycled or removed and re-inserted for the upgrade to take effect.
CMCC-2-FRU_LC_PWR_RESET	2-Critical	*** Detected auto power reset(may be due to HW issue) for the Linecard.	iosxe-chassismgr	Pseudo OIR of the Line card has been to recover/bring up the card.
CMCC-3-C2W_READ	3-Error	An attempt to read the C2W bus has failed. This error could be caused by a hardware or software defect.	iosxe-chassismgr	Examine the logs for C2W driver errors.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
CMCC-3-C2W_WRITE	3-Error	CMCC-3-C2W_WRITE	An attempt to write to the inter-integrated circuit (I2C) has failed. This error could be caused by a hardware or software defect.	iosv-chassis-gr	Examine the logs for I2C driver errors.
CMCC-3-CARD_MISMATCH	3-Error	CMCC-3-CARD_MISMATCH	The CMD PIC in the slot mismatch.	iosv-chassis-gr	Shut down the LC and change the card mode or remove the pic card.
CMCC-3-CC_HOTSWAP_CKT_FAIL	3-Error	CMCC-3-CC_HOTSWAP_CKT_FAIL	The Hot Swap Circuit for the SPA bay has been tripped. This error could be caused by bad SPA or CC hardware.	iosv-chassis-gr	Examine the CMCC and PSM OIR logs. Verify whether the recovery reload could bring up the SPA

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMCC-3-DDR_SINGLE_BIT_ERROR	3-Error	CMCC-3-DDR_SINGLE_BIT_ERROR	The SIP MIP100 CCE experienced a single-bit error while checking the ECC code. Error. No chip in the	iosx-chassismgr	No action is required. This error is usually self-correcting. If the problem persists, you may need to replace the SIP.
CMCC-3-FLOW_CONTROL_SBE	3-Error	CMCC-3-FLOW_CONTROL_SBE	Self Correctable single bit errors were detected in the FPGA	iosx-chassismgr	This error is usually self-correcting. If the problem persists, the MIP100 hardware may need to be replaced.
CMCC-3-FPGA_FAIL	3-Error	CMCC-3-FPGA_FAIL	A SIP field programmable logic device failure detected. This error could be caused by a hardware or software driver defect.	iosx-chassismgr	Examine the logs for FPGA driver or hardware errors. Verify that the software and firmware versions are compatible.
CMCC-3-HB_TIMEOUT	3-Error	CMCC-3-HB_TIMEOUT	RP sends periodic heartbeat message to the SIP. The SIP did not receive this heartbeat message for last timeout period.	iosx-chassismgr	Examine the system logs for errors.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-3-HT_DETACH	3-Error	enA SIP P1S1HyperTransport t111(HT) CPU salbus failed to d111detach from h111software c111ontaining SIP h111MDR. This error could be caused by a hardware defect or HT driver defect.	iosx-chassis-gr	Examine the system logs for errors.	
CMCC-3-IDPROM_ACCESS	3-Error	d111The system s111failed to r111access an s111IDPROM or n111an IDPROM M111process c111ontaining h111failed. This error could be caused by a hardware defect, software defect, or incorrect IDPROM content.	iosx-chassis-gr	Examine the logs for IDPROM or hardware errors.	
CMCC-3-IDPROM_SENSOR	3-Error	enOOne or more r111IDPROM e111ensors r111failed to s111parse. This m111error most e111ntlikely m111occurred d111because of a o111tchecksum e111failure in the y111IDPROM. c111ontaining h111	iosx-chassis-gr	Examine the logs for IDPROM or hardware errors.	

Facility-Severity-Mnemonic	Severity-Mnemonics	Message-Explanation	Component	Recommended-Action
CMCC-3-INCOMPATIBLE_STANDBY_SUPERVISOR	3-Error	Supervisor found in Standby slot may not be fully compatible with the active supervisor and may cause issues.	ios-chassismgr	Use supervisors with the same specifications to enable High Availablity features.
CMCC-3-LC_FPGA_UPGRADE_FAIL	3-Error	Upgrade of APFPGA on the linecard failed	ios-chassismgr	Reload the card and retry to program the field programmable device. If the card fails to come up please contact TAC
CMCC-3-LC_FPGA_UPGRADE_PWR_CYCLE_FAIL	3-Error	Power cycle failed for the linecard after FPGA upgrade.	ios-chassismgr	OIR the card and retry to program the field programmable device. If the card fails to come up please contact TAC

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMCC-3-MASTERSHIP_WATCH	3-Error	ch	The cc o t process has failed to setup a hw watch on the n op chasfs ent active-rp v property. p r This error is commonly caused by a problem with chasfs as a whole.	iosx-chassisgr	Examine the logs to determine the exact reason for the failure.
CMCC-3-MESSAGE_RESPONSE	3-Error	dm	An invalid message response was received. This could be due to a hardware defect or system resource exhaustion.	iosx-chassisgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMCC-3-NETWORK_CLOCK_CAL_FAIL	3-Error	eh	The SIP P1 Network clock jitter attenuator calibration can not complete within certain time. This would incur some SPA LOS alarms or other error events for some SPA port types.	iosx-chassisgr	Restart the SIP

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
CMCC-3-PLIM_RESTART	3-Error	eh	The physical layer interface module (PLIM) failed to restart during SIP MDR. This error could be caused by a hardware defect or a PLIM driver defect.	iosv-chassis-gr	Examine the system logs for errors.
CMCC-3-PLIM_STATUS	3-Error	A	A physical layer interface module (PLIM) HyperTransport (HT) driver %O has failed. This error could be caused by a hardware defect or an HT driver defect.	iosv-chassis-gr	Examine the logs for PLIM or hardware errors.
CMCC-3-SOOBY_ILAK_FAIL	3-Error	eh	Interlaken or Rx or Tx failed for this card. This error could be caused by a hardware or software driver defect.	iosv-chassis-gr	Reload the Linecard. If the problem still persists, replace the Linecard.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-3-SIP_MDR_FAIL	3-Error	PSIP failed	The SIP process is aborted and an attempt will be made to recover the SIP by resetting the SIP hardware.	ios-chassis-gr	Examine the system logs for errors.
CMCC-3-SPA_HOTSWAP_CKT_FAIL	3-Error	APSN Swap yaCkt SPA bay sal has been tripped. This error could be caused by bad SPA hardware.	The Hot Swap yaCkt SPA bay sal has been tripped. This error could be caused by bad SPA hardware.	ios-chassis-gr	Examine the CMCC and PSM OIR logs. Verify whether the recovery reload could bring up the SPA

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-3-SPA_MDR_FAIL	3-Error	ehThe SPA in AP %u n ifailed yabMinimal jclDisruptive dclRestart. kclMinimal vclDisruptive tclRestart eclprocess is hclaborted and an attempt will be made to recover the SPA by resetting the SPA hardware.	iosx-chasing	Examine the system logs for errors.	
CMCC-3-SPA_ONLINE_REQ_TERMINATE	3-Error	ehThe online clrequest for tclSPA in roSubslot AP %d/%u was n iterminated. tis s av dcl eul hcl	iosx-chasing	Examine the system logs for errors.	
CMCC-3-SPA_PSEUDO_HARD_OIR_VFT_NOT_IMPLEMENTED	3-Error	ehThe pseudo OIR vft not Rclmplemented TFV for this s iplatform ton dclrof yab jcl	iosx-chasing	Do nothing	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-3-SPA_SOFT_STOP_FAIL	3-Error	SPA %u could not be soft stopped. An attempt will be made to recover the SPA by resetting the SPA hardware.	The SPA in slot %u could not be soft stopped. An attempt will be made to recover the SPA by resetting the SPA hardware.	ios-chassismgr	Examine the system logs for errors.
CMCC-3-SSD_PIDA_OIR	3-Error	Hot swapping of SSD is not supported on this platform. Please contact TAC for further assistance.	Hot swapping of SSD is not supported on this platform. Please contact TAC for further assistance.	ios-chassismgr	Reload the router with SSD module installed in bay 3.
CMCC-3-STANDBY_EOBC_LINK_ERROR	3-Error	Standby EOBC link error: either link state is down, or duplexity is not full, or speed is not 1Gbps.	Standby EOBC link error: either link state is down, or duplexity is not full, or speed is not 1Gbps.	ios-chassismgr	Examine the system hardware. Re-seat and securely screw in all FRUs. If the problem persists, please contact TAC support.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMCC-3-UNKNOWN_3RDPARTY_MODULE	3-Error	Unknown 3rd-party module was inserted in the given slot.	Unknown 3rd-party module was inserted in the given slot.	ios-cdrmgr	Examine the system logs for errors.
CMCC-3-UNKNOWN_SPA_LC	3-Error	Unknown SPA was inserted in the given slot.	Unknown SPA was inserted in the given slot.	ios-cdrmgr	Remove the unsupported SPA line card and upgrade the software as needed.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMCC-3-UNSUPPORTED_LC_TYPE	3-Error	Unsupported line card was inserted in the given slot. The supervisor card is not supported in this slot. Remove the unsupported SPA line card and upgrade the software as needed.	iosxe-chassismgr	Remove the unsupported SPA line card and upgrade the software as needed.
CMCC-5-C9400X_LC	5-Notice	Informational message that 240G linecard is installed in the chassis with Supervisor card that supports only 240G per slot.	iosxe-chassismgr	Informational notification. No action is required.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMCC-5-CMCC_EZMAN_HB_MISS_EXCEED	5-Notice	CMCC monitors the health of the EZMAN by keeping a track of the heartbeat messages. In case the EZMAN gets stuck in a event under watchdog disable context (sw watchdog), then the CMCC will stop getting these updates. The CMCC after a certain period of time would reset the card, since EZMAN is unresponsive	asr1k-ether-lc	Reload the card, a software initiated to restart the EZMAN
CMCC-5-SERDES_BLOCK_EVENT	5-Notice	A serial bridge I/O event has occurred. This event is not serious but is logged for diagnostic purposes.	iosv-chassis-g	No user action is required.

Facility-Severity-Mnemonic	Severity-Meaning-Mnemonic	Message-Explanation	Component	Recommended-Action
CMCC-5-SERDES_RX_RESET_EVENT	5-Notice	Rx Sync Failed for Interlaken, Status Timer Expired. So, Resetting the Rx Interlaken Core	ark-chassisgr	No user action is required.
CMCC-5-SPA_MDR_DONE	5-Notice	Informational message that the Minimal Disruptive Restart of a particular SPA has completed.	iosx-chassisgr	Informational notification. No action is required.
CMCC-5-SPA_MDR_INIT	5-Notice	Informational message that the Minimal Disruptive Restart of a particular SPA has begun.	iosx-chassisgr	Informational notification. No action is required.
CMCC-6-FLOW_CONTROL_OTHER	6-Information	Flow control error is detected in the FPGA ESC	iosx-chassisgr	Appropriate action is taken in software to correct this error. If the problem persists, the MIP100 hardware may need to be replaced.
CMCC-6-FRU_HWPRG_UPG_ADM1266_CFG_SUCCESS	6-Information	The programmable ADM1266 configuration was successfully upgraded successfully	iosx-chassisgr	No action is required. This is informational message

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMCC-6-FRU_HWPRG_UPG_LMK03328_CFG_RESET	6-Informational-The chip programable 8334 LMK03328 signal configuration now was partially upgraded but is successfully to the previous state chip configuration not chip	iosv-chassis-gr	No action is required. This is informational message
CMCC-6-FRU_HWPRG_UPG_LMK03328_CFG_SUCCESS	6-Informational-The chip programable 8334 LMK03328 signal configuration now was upgraded but is successfully to the previous state chip	iosv-chassis-gr	No action is required. This is informational message

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMCC-6-FRU_HWPRG_UPG_PSOC_PREPARE	6-Informational-The hardware programmable PSOCs were not set in the JTAG golden mode for the FPD. The error messages in the event log are shown. The hardware programmer will write the configuration data to the PSOCs.	iosx-chassismgr	No action is required. This is informational message
CMCC-6-FRU_HWPRG_UPG_PSOC_START	6-Informational-The hardware programmable PSOC is not upgrading. The hardware programmer will write the configuration data to the PSOCs.	iosx-chassismgr	No action is required. This is informational message

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMCC-6-FRU_HWPRG_UPG_PSOC_SUCCESS	6-Informational-The chip programable PSOC was not upgraded successfully in this chip revision this chip revision is not supported for this chip revision no action is required when this chip revision is used	ios-chassis	No action is required. This is informational message
CMCC-6-FRU_HWPRG_UPG_TPS40422_CFG_RESET	6-Informational-The chip programable TPS40422 configuration was partially upgraded successfully in this chip revision this chip revision is not supported for this chip revision no action is required when this chip revision is used	ios-chassis	No action is required. This is informational message

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMCC-6-FRU_HWPRG_UPG_TPS40422_CFG_SUCCESS	6-Informational-The hardware programmable device on the FRU is upgrading configuration. No action is required. This is informational message.	ios-chassismgr	No action is required. This is informational message.
CMCC-6-FRU_IOFGA_UPG_START	6-Informational-The field programmable gate array (FPGA) device on the FRU is upgrading. No action is required. This is informational message.	ios-chassismgr	No action is required. This is informational message.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMCC-6-FRU_LC_UPGRADE_REQD	6-Information		New FPGA is bundled in SW. FPGA upgrade is needed.	ios-chassis	To upgrade to latest FPGA, do physical OIR Line card or do Pseudo OIR of the line card using CLI: hw-module subslot <slot>/<SPA no.> oir power-cycle; To view the present FPGA versions in chassis, use the CLI: show firmware version all

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
	<div>duF</div> <div>lcnn</div> <div>reob</div> <div>eht</div> <div>enL</div> <div>drac</div> <div>AGF</div> <div>nsv</div> <div>clb</div> <div>n i</div> <div>as</div> <div>dra</div> <div>mlp</div> <div>n i</div> <div>exhl</div> <div>n i</div> <div>tos</div> <div>fl</div> <div>AGF</div> <div>nsv</div> <div>clb</div> <div>n i</div> <div>:VS</div> <div>, %</div> <div>lap</div> <div>n i</div> <div>:WH</div> <div>. %</div> <div>o T</div> <div>clp</div> <div>eht</div> <div>AGF</div> <div>o t</div> <div>nsv</div> <div>clb</div> <div>n i</div> <div>, VS</div> <div>mlp</div> <div>lap</div> <div>RIO</div> <div>f o</div> <div>eht</div> <div>enL</div> <div>drac</div> <div>r o</div> <div>nur</div> <div>eht</div> <div>:IC</div> <div>clb</div>		

Facility-Severity-Mnemonic	Severity-Meaning-Mnemonic	Mnemonic-Explanation	Component	Recommended-Action
	this is an error on the server			

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMCC-6-FRU_UPGRADE_REQD	6-Information		New version bundled in Software & Current Hardware running version is not latest. upgrade is needed. please follow the options provided	iosx-chassisgr	To perform firmware upgrade use any of the 3 options: Option 1: Perform physical removal and insertion of the line card Option 2: Run the <CLI> 'hw-module subslot <slot>/0 oir power-cycle' <CLI> Option 3: Perform manual upgrade using <CLI> 'upgrade hw-programmable all filename bootflash: all' <CLI> Use <CLI>'show firmware version all'<CLI> to know the mismatch

Facility-Severity-Mnemonic	Scen-Mnngs-Msg-Explan	Component	Recommended-Action
	<p>toS</p> <p>le</p> <p>stan</p> <p>erf</p> <p>ep</p> <p>erF</p> <p>cap</p> <p>s i</p> <p>dit</p> <p>gan</p> <p>o T</p> <p>note</p> <p>erf</p> <p>cap</p> <p>esu</p> <p>yna</p> <p>f o</p> <p>ent</p> <p>3</p> <p>ep</p> <p>no p</p> <p>: 1</p> <p>note</p> <p>ep</p> <p>lan</p> <p>dna</p> <p>ous</p> <p>f o</p> <p>ent</p> <p>el</p> <p>ac</p> <p>no p</p> <p>: 2</p> <p>nuR</p> <p>ent</p> <p>ep</p> <p>er</p> <p>tis</p> <p>Old</p> <p>rio</p> <p>ep</p> <p>ep</p> <p>no p</p> <p>: 3</p> <p>note</p> <p>lan</p> <p>cap</p> <p>glu</p> <p>ep</p>		

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
	<p> 6-Information: New FW is bundled in the FW. FW upgrade is needed. </p>	ios-chassismgr	<p> To perform firmware upgrade use any of the 3 options: Option 1: Perform physical removal and insertion of the line card Option 2: Run the <CLI> 'hw-module subslot <slot>/0 oir power-cycle' <CLI>; Option 3: Perform manual upgrade using <CLI> 'upgrade hw-programmable all filename bootflash: all' <CLI>; Use <CLI> 'show firmware version all' <CLI> to know the mismatch </p>

Facility-Severity-Mnemonic	Severity-Mnemonic-Explanation	Component	Recommended-Action
CMCC-6-LC_FPGA_UPGRADE_NOT_REQUIRED	6-InformationALP Upgrade of nse FPGA on n the linecard n is not n required. low le to le s i %0	ios-chassis	No action required.
CMCC-6-LC_FPGA_UPGRADE_PWR_CYCLE_DONE	6-InformationALP Power cycled the en linecard n after FPGA n iupgrade. low le to le en APF ce	ios-chassis	No action required.

Facility-Severity-Mnemonic	Severity-Messages-Msg-Expn	Component	Recommended-Action
CMCC-6-LC_FPGA_UPGRADE_SUCCESS	6-InformationalThe upgrade of the field programmable device was successful on the given FRU. The line card needs to be power-cycled or removed and re-inserted for upgrade to take effect.	ios-chassis	Line card needs to be power cycled or removed and re-inserted for the upgrade to take effect.
CMCC-6-MGMT_SFP_INSERT	6-InformationalThe online insertion and removal (OIR) facility detected a newly inserted transceiver module for the interface specified in the error message.	ios-chassis	No action required.
CMCC-6-MGMT_SFP_REMOVED	6-InformationalThe online insertion and removal (OIR) facility detected the removal of a transceiver module from the interface specified in the error message.	ios-chassis	No action required.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMCC_LED-6-BEACON_LED_TURNED	6-Informational	Beacon LED turned ON/OFF. This is a notification message only.No action is required.	iosx-chassis-gr	This is a notification message only. No action is required.
CMDMA-2-FPGA_DOWNLOAD_FAILED	2-Critical	Due to timing issue in DMA sometime FPGA download failure is seen. A result of download failure is seen.	iosx-chassis-gr	Contact your Cisco technical support representative and provide the system report and crash file.
CMDMA-6-FPGA_DOWNLOAD_INFO	6-Informational	This is an informative message about the start/complete of the fpga DMA download	iosx-chassis-gr	No action required

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMEM-3-SENSOR_INIT_FAILED	3-Error	This error indicates that the environmental monitor or software cannot initialize the sensor. The software will not register and monitor this sensor. This could occur when the IDPROM has a bad I2C address for this sensor.	iosxe-binos-utils	LOG_STD_RECUR_ACTION
CMEM-4-OBFL_INIT_FAILED	4-Warning	This error indicates the OBFL dedicated filesystem is not mounted. OBFL diagnostic information will not be retained for customer troubleshooting.	iosxe-binos-utils	LOG_STD_RECUR_ACTION
CMFC-0-CHASFS_PROPERTY_CREATE	0-Emergency	A chassis filesystem property was not properly created.	iosxe-chassisgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMFC-0-CHASFS_PROPERTY_SET	0-Emergency	chassis	chassis filesystem property set failed to write.	iosxe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMFC-3-IDPROM_ACCESS	3-Error	Failed to access or set process and IDPROM.	Failed to access or set IDPROM. This could be due to a hardware defect, software defect or incorrect IDPROM content.	iosxe-chassismgr	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMFP-0-CPLD_INITIALIZATION	0-Emergency	CPLD has failed to initialize.	The CPLD has failed to initialize. This could be due to a hardware or software driver defect.	iosxe-chassismgr	Examine the hardware and CPLD driver logs and see if the logs provide information about a correctable problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMFP-0-CPLD_IOCTL	0-Emergency	A complex programmable logic device (CPLD) I/O driver control has failed. This error could be caused by a hardware or software driver defect.	iosx-chassis	Examine the logs for CPLD driver and hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/bugtools/bgt . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tacOpen or contact your Cisco technical support representative and provide the representative with the gathered information	
CMFP-0-EVENT_LIBRARY	0-Emergency	An event facility initialization error or maintenance function failed. This could be due to a software defect or system resource exhaustion.	iosx-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMFP-0-SPI4_MUX_HALT	0-Emergency	4-BA SPI4 MUX driver has failed or detected a critical hardware fault. This could be due to a hardware defect or driver defect.	iosx-chassis-gr		The only corrective action is to restart the FP

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMFP-2-BAD_ID_HW	2-Critical		Hardware in the specified location could not be identified as a genuine Cisco product	dr-platm-infa	Replace the hardware with a genuine Cisco product. If this message recurs, contact your Cisco technical support representative and provide the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
		<p> CSC top s i ent esc f o a top si CSC y am ynd top rel ncy yaw r o rel a CSC top top </p>		
CMFP-2-FPGA_DOWNLOAD_FAILED	2-Critical	<p> INFO Due to timing issue s in DMA and sometime el FPGA g download ent failure is seen re A sh drac llw .tr </p>	ios-chassis	Contact your Cisco technical support representative and provide the system report and crash file.
CMFP-2-UADP_EVENT	2-Critical	<p> HDU Unified TMA Access CS Datapath le ASIC Event) </p>	ios-chassis	Copy the message exactly as it appears on the console or in the system log.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMFP-3-CPLD_ECSR_ERROR	3-Error	n	An error has been detected on the ECSR bus. This may cause problems when accessing the forwarding processor	ios-chassismgr	Some of these errors are catastrophic and others are not. If the FRU did not restart assume corrective action was taken. Please check the chassis-manager logs for errors.
CMFP-3-CPLD_ERP_ERROR	3-Error	n	An error has been detected on the ERP bus. This may cause problems when accessing the forwarding processor	ios-chassismgr	Some of these errors are catastrophic and others are not. If the FRU did not restart assume corrective action was taken. Please check the chassis-manager logs for errors.
CMFP-3-DDR_SINGLE_BIT_ERROR	3-Error	1	A single-bit data corruption error has occurred in the forwarding processor (FP).	ios-chassismgr	These errors are self-correcting. If the problem persists, the FP hardware may need to be replaced.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMFP-3-DPP_MAC_LINK_ERROR	3-Error	PPD	One or more c Mac links of k DPP blocks d failed. It h could be b because of a configuration error or hardware failure.	iosx-chassis	Note the time of the error message and examine show hardware platform cman fp for detailed Report.
CMFP-3-DPP_SERDES_SYNC_ERROR	3-Error	HD	One of more c UADP c fabric c interface n Serdes h failed to sync, This could be due to a hardware defect.	iosx-chassis	No action is required.
CMFP-3-FPGA_IMG_ABSENT	3-Error	APD	Due to c corruption is s ifile system FPGA images are deleted. C lit t v	iosx-chassis	Contact your Cisco technical support representative and provide the tracelogs.
CMFP-3-HB_TIMEOUT	3-Error	CDP	CDP sends to H periodic heartbeat message to P The ESP. The ESP did not receive this heartbeat message for last timeout period.	iosx-chassis	Examine the system logs for errors.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMFP-3-HT_FATAL_ERROR	3-Error	CMFP-3-HT_FATAL_ERROR	The HyperTransport interface to the QFP failed to initialize completely. Software will restart the ESP to recover	iosx-chassismgr	No action is required.
CMFP-3-IDPROM_ACCESS	3-Error	CMFP-3-IDPROM_ACCESS	Access to an IDPROM failed due to hardware or software defect, or incorrect IDPROM content.	iosx-chassismgr	Examine the system logs for IDPROM and hardware errors. Copy the error message and related information exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtools . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techsupport or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMFP-3-IDPROM_SENSOR	3-Error	err	Output from the IDPROM sensors failed to parse, commonly caused by a checksum failure in the IDPROM.	ios-chassis	Examine the system logs for IDPROM and hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtools.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/cgi-bin/tac/tacOpen or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMFP-3-MASTERSHIP_UPDATE	3-Error	n An error occurred while communicating a change in the state of the system. The error can be caused by a problem with the replication of state between the FPs.	iosx-chassisgr	Examine the system logs for errors. This error is usually temporary.	
CMFP-3-MASTERSHIP_WATCH	3-Error	o The fp process has failed to setup a watch on the op chasfs active-rp property. This error is likely caused by a problem with chasfs as a whole.	iosx-chassisgr	Examine the logs to determine the exact reason for the failure.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMFP-3-N2_DDR_MBE	3-Error	err	The encryption processor has detected an uncorrectable multi-bit in the memory. This could be due to a hardware defect.	iosx-chassismgr	Examine the logs for encryption processor hardware errors.
CMFP-3-N2_FATAL_ERROR	3-Error	err	An error has been detected on the encryption processor.	iosx-chassismgr	Please check the chassis-manager logs for errors.
CMFP-3-N2_INPUT_EXCEPT	3-Error	err	An exception has been detected on the encryption processor.	iosx-chassismgr	Please lower crypto traffic rate. If the error still happens, encryption processor may stop processing. Need to reload ESP.
CMFP-3-OCT_DRV_ERROR	3-Error	err	An error has been detected on the encryption processor.	iosx-chassismgr	Please check the chassis-manager logs for errors.

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Function	Component	Recommended-Action
CMFP-6-CRYPTO_MODULE	6-Informational The log is to indicate whether the Crypto Hardware Module IPSECHW is physically inserted in the chassis.	ios-chassis	No action is required.
CMFP-6-DPP_SERDES_SYNC	6-Informational The log is to indicate the UADP fabric interface Serdes Sync succeeded during initialization of setup.	ios-chassis	No action is required.
CMFP-6-N2_DRV_UPDATE	6-Informational A crypto device driver has failed or detected a hardware fault. This could be due to a hardware defect or driver defect.	ios-chassis	The only corrective action is to restart the ESP
CMLIB-2-IDPROM_INVALID	2-Critical The IDPROM assembly number is not supported.	ios-chassis	IDPROM update is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMLIB-3-THROUGHPUT_VALUE_APPLY_FAILED	3-Error	IOS Status indicating that a failure was observed during the setup of the throughput to persistent store. The error reason may shed light on the cause. The throughput value may have been used to configure the CPP hardware.	iosxe-csl	Examine the ios, chassis-manager and license-manager logs for possible clues.	
CMLIB-3-THROUGHPUT_VALUE_SETUP_FAILED	3-Error	IOS Status indicating that a failure was observed during the setup of the throughput. The error reason may shed light on the cause. The set value is used to configure the CPP hardware.	iosxe-csl	Examine the ios, chassis-manager and license-manager logs for possible clues.	

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMLIB-4-FW_CHECK	4-Warning	Firmware version in the specified location is lower than minimum required version.	iosxe-chassis	Upgrade firmware version to latest.
CMLIB-6-THROUGHPUT_VALUE	6-Informational	Status indicating whether appropriate throughput is found or enabled and ensuring the value is used to configure the CPP hardware.	iosxe-csl	No user action is necessary. This is an informational message indicating that the throughput is configured.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP-0-CHASFS_LOCATION_TRANSLATE	0-Emergency	The chassis manager failed to translate a module location to a chassis object name.	ios-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CHASFS_OBJECT_CREATE	0-Emergency	The hardware failed to create a chassis filesystem object.	ios-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CHASFS_OBJECT_NOT_PRESENT	0-Emergency	A chassis filesystem object expected to be present is not. This could be due to a software defect or filesystem failure.	ios-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-CHASFS_OBJECT_WATCH	0-Emergency	chassis filesystem object was not watched because of the reason stated in the error message.	ios-chassis	ios-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CHASFS_PROPERTY_CREATE	0-Emergency	chassis filesystem property was not properly created.	ios-chassis	ios-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CHASFS_PROPERTY_GET	0-Emergency	chassis filesystem property was not properly read by the system.	ios-chassis	ios-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-CHASFS_PROPERTY_NOT_PRESENT	0-Emergency	chassis filesystem object property not expected to be present is not. This could be due to a software defect or filesystem failure.	iosxe-chassismgr		In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CHASFS_PROPERTY_SET	0-Emergency	chassis filesystem object property set failed to write.	iosxe-chassismgr		In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CHASSIS_ID	0-Emergency	The chassis id is invalid. This could be due to a hardware defect, software defect or incorrect IDPROM content.	iosxe-chassismgr		Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-CHASSIS_STATUS	0-Emergency	CHASSIS_STATUS	The system failed to get the chassis status.	ios-chassis	Note the time of the error message and examine the logs for CPLD driver or hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CHASSIS_TYPE	0-Emergency	CHASSIS_TYPE	The chassis type is invalid. This could be due to a hardware defect, software defect or incorrect IDROM content.	ios-chassis	Note the time of the error message and examine the logs for IDROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CLOCK_MASTERSHIP_SET	0-Emergency	CLOCK_MASTERSHIP_SET	The router failed to establish clock mastership.	ios-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-CPLD_INITIALIZATION	0-Emergency	RP CPLD has failed to initialize.	The RP CPLD has failed to initialize. This could be due to a hardware or software driver defect.	iosxe-chassismgr	Examine the hardware and CPLD driver logs and see if the logs provide information about a correctable problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-CPLD_IOCTL	0-Emergency	CPLD Driver I/O control has failed. This could be due to a hardware or software driver defect.	A CPLD Driver I/O control has failed. This could be due to a hardware or software driver defect.	iosxe-chassismgr	Examine the hardware and CPLD driver logs and see if the logs provide information about a correctable problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-DDR_INITIALIZATION	0-Emergency	RP DDR has failed to initialize.	The RP DDR has failed to initialize. This could be due to a hardware or software driver defect.	iosxe-chassismgr	Note the time of the error message and examine the logs for DDR or hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-EHSA_INITIALIZATION	0-Emergency	AS	EHSA has failed initialization. This could be due to a hardware or software defect.	iosv-chassisgr	Note the time of the error message and examine the logs for EHSA and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-EHSA_STATE_GET	0-Emergency	AS	Failed to get EHSA state. This could be due to a hardware or software defect.	iosv-chassisgr	Note the time of the error message and examine the logs for EHSA and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-EHSA_STATE_SET	0-Emergency	AS	Failed to set EHSA state. This could be due to a hardware or software defect.	iosv-chassisgr	Note the time of the error message and examine the logs for EHSA and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-EVENT_LIBRARY	0-Emergency	CMRP-0-EVENT_LIBRARY	An event in the facility initialization failed. This could be due to a software defect or system resource exhaustion.	iosxe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-FP_MASTERSHIP_SET	0-Emergency	CMRP-0-FP_MASTERSHIP_SET	The router failed to establish P IESP mastership.	iosxe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-HT_INITIALIZATION	0-Emergency	CMRP-0-HT_INITIALIZATION	The RP HyperTransport has failed initialization. This could be due to a hardware defect or HT driver defect.	iosxe-chassismgr	Note the time of the error message and examine the logs for HT driver and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-HT_IOCTL	0-Emergency	P	A RP HyperTransport driver I/O has failed. O/I This could be due to a hardware defect or HT controller defect.	iosx-chassisgr	Note the time of the error message and examine the logs for HT driver and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-I2C_INITIALIZATION	0-Emergency	P	The RP I2C has failed to initialize. C2 These components can provide low-level communications between the RP and the other cards in the system.	iosx-chassisgr	Note the time of the error message and examine the logs for I2C errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-INTERNALS_INITIALIZATION	0-Emergency	P	The system failed to initialize the internal state for the reason mentioned in the error message.	iosx-chassisgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-0-INTERNAL_HW_SHUTDOWN	0-Emergency	Internal hardware error condition was detected, and so the system was reset. If this error condition reoccurs, the hardware may need to be replaced.	iosxe-chassismgr	LOG_STD_RECUR_ACTION	
CMRP-0-INVALID_ARGUMENT	0-Emergency	A system function was given an invalid argument. This is due to a software defect.	iosxe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	
CMRP-0-IPC_CONNECTION_INVALID	0-Emergency	An IPC connection has an invalid state. This could be due to a software defect or system resource exhaustion.	iosxe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	

Facility-Severity-Mnemonic	Severity	Message	MsgType	Component	Recommended-Action
CMRP-0-IPC_CONNECT_MASTER	0-Emergency	IP connection to the active RP failed. This could be due to a software defect or system resource exhaustion.	ios-chassisgr		In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-IPC_CONNECT_REMOTE_IOS	0-Emergency	IP connection to a remote IOSd failed. This could be due to a software defect or system resource exhaustion.	ios-chassisgr		In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-IPC_INITIALIZATION	0-Emergency	IP initialization failed. This could be due to a software defect or system resource exhaustion.	ios-chassisgr		In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-MESSAGE_REGISTER	0-Emergency	RP failed to register.	The active RP failed to register.	ios-xe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-MESSAGE_RELAY	0-Emergency	Failed to relay a message.	Failed to relay a message. This could be due to a software defect or system resource exhaustion.	ios-xe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-MESSAGE_RESPONSE	0-Emergency	An invalid message response was received.	An invalid message response was received. This could be due to a software defect or system resource exhaustion.	ios-xe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-0-MQIPC_ADVANCE	0-Emergency	CMRP-0-MQIPC_ADVANCE	The MQIPC initialization failed.	iosv-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-MQIPC_INITIALIZATION	0-Emergency	CMRP-0-MQIPC_INITIALIZATION	The MQIPC initialization failed. This could be due to a software defect or system resource exhaustion.	iosv-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-PEER_TABLE	0-Emergency	CMRP-0-PEER_TABLE	A peer table reinitialization error occurred during maintenance reinitialization function failed. This could be due to a software defect or system resource exhaustion.	iosv-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP-0-PLATFORM_FAMILY_TYPE	0-Emergency	Platform family type is invalid.	The platform family type is invalid. This could be due to a hardware defect, software defect or incorrect IDPROM content.	ios-xe-chassismgr	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-PWR_FAULT_INITIALIZATION	0-Emergency	Power fault monitor has failed to initialize.	The power fault monitor has failed to initialize.	ios-xe-chassismgr	Note the time of the error message and examine the Chassis Manager logs. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-RESOLVE_FRU	0-Emergency	Failed to determine a FRU state.	The router failed to determine a FRU state.	ios-xe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Sym	Component	Recommended-Action
CMRP-0-RESOURCE	0-Emergency	The system is unable to allocate the requested resource.	iosv-chassisgr		In most cases, this message is seen as a result of a temporary resource issue. Retry the request for the resource when the system is experiencing lower traffic volumes. If the message persists, reload the router using the reload command.
CMRP-0-ROLE_ADDRESS_UPDATE	0-Emergency	The system failed to update a role-based COE OBC IP address for the reason stated in the message line.	iosv-chassisgr		In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-SERDES_INITIALIZATION	0-Emergency	The RP Serial Bridge ASIC has failed to initialize. This could be due to a hardware defect, software driver defect or improper internal configuration.	iosv-chassisgr		Note the time of the error message and examine the logs for Serial Bridge ASIC and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-SERDES_INTERRUPT_DISPATCH	0-Emergency	Failed to dispatch an error interrupt from the Serial Bridge. This could be due to a software defect or inconsistent internal state.	iosxe-chassismgr	Note the time of the error message and examine the logs for Serial Bridge errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	
CMRP-0-SERDES_IOCTL	0-Emergency	A Serial Bridge driver I/O control has failed. This could be due to a hardware or software driver defect.	iosxe-chassismgr	Note the time of the error message and examine the logs for Serial Bridge driver or hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	
CMRP-0-SERVICES_INITIALIZATION	0-Emergency	The system failed to initialize the application services.	iosxe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-0-SIGNAL_INITIALIZATION	0-Emergency	The system failed to initialize signals.	ios-cdr	ios-cdr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-SLOTS_INITIALIZATION	0-Emergency	The system failed to initialize the slot information.	ios-cdr	ios-cdr	Note the time of the error message and examine the logs for IDPROM or software errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-SLOT_INVALID	0-Emergency	An absolute slot number is invalid. This could be due to a software defect or incorrect IDPROM content.	ios-cdr	ios-cdr	Note the time of the error message and examine the logs for IDPROM or software errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-0-SYSPAGE_WRITE_ERROR	0-Emergency	CMRP-0-SYSPAGE_WRITE_ERROR	The syapge exchassis-type write failed. This could be due to a software defect.	iosxe-chassismgr	Note the time of the error message and examine the Chassis Manager logs. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-UIPEER_CREATE	0-Emergency	CMRP-0-UIPEER_CREATE	The system failed to create a user interface peer.	iosxe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-0-WANPLL_INITIALIZATION	0-Emergency	CMRP-0-WANPLL_INITIALIZATION	The RP WAN PLL failed to initialize. This could be due to a hardware or software driver defect.	iosxe-chassismgr	Note the time of the error message and examine the logs for WAN PLL or hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Type	Component	Recommended-Action
CMRP-2-ACT2_UDI_DATA_INVALID	2-Critical	<p> This Router may not have been manufactured by Cisco or with Cisco's authorization. This product may contain software that was copied in violation of Cisco's license terms. If your use of this product is the cause of a support issue, Cisco may deny operation of the product, support under your warranty or under a Cisco technical support program such as Smartnet. Please contact Cisco's Technical Assistance Center for more information. </p>	platform		Replace the current product with a Cisco authorised product. If this message recurs, contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP-2-BAD_ID_HW	2-Critical		Hardware in the specified location could not be identified as a genuine Cisco product	dr-platform	Replace the hardware with a genuine Cisco product. If this message recurs, contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
		<p>asC top s i eht esc f o a tus si asC yam ynad tus rah noy yaw r o rah a asC tus rap</p>		
CMRP-2-CRYPTOGRAPHIC_HW_MISMATCH	2-Critical	<p>IOS software tofeaturing strong cryptography is invalid for use with any non-strong Embedded Service Processor. The router node will reload if this combination is encountered.</p>	ios-chassis	Install a non-strong-cryptography image of the RP IOS package or replace the indicated Embedded Service Processor with one that supports strong-cryptography

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMRP-2-FRU_CPLD_INCOMPATIBLE	2-Critical	This FRU requires a newer CPLD firmware to function properly in this chassis	ios-chassismgr	Upgrade the CPLD firmware on this FRU using the upgrade hw-programmable CPLD file <pkg_file> slot <fru_slot> command. Please see http://www.cisco.com/en/US/docs/routers/asr1000/cpld/hw_fw_upgrade.html for more details.
CMRP-2-FRU_FPGA_INCOMPATIBLE	2-Critical	This FRU requires a newer FPGA firmware to function properly in this chassis	ios-chassismgr	Upgrade the FPGA firmware on this FRU using the upgrade hw-programmable FPGA file <pkg_file> slot <fru_slot> command.
CMRP-2-FRU_HWPRG_UPG_FAILED	2-Critical	Upgrade of the programmable CPLD/FPGA firmware on the given FRU failed	ios-chassismgr	Reload the card and retry to program the hw-programmable. If the card fails to come up please contact TAC

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
CMRP-2-FRU_HWPRG_UPG_PSOC_START	2-Critical	end of the download program PSOC is not upgrading the firmware to the latest version of the firmware download program PSOC is not upgrading the firmware to the latest version of the firmware download program	The download program PSOC is not upgrading the firmware to the latest version of the firmware download program	ios-chassis	No action is required. This is informational message
CMRP-2-FRU_HWPRG_UPG_PSOC_SUCCESS	2-Critical	end of the download program PSOC was not upgraded successfully the firmware to the latest version of the firmware download program PSOC was not upgraded successfully the firmware to the latest version of the firmware download program	The download program PSOC was not upgraded successfully the firmware to the latest version of the firmware download program	ios-chassis	No action is required. This is informational message

Facility-Severity-Mnemonic	Security Rating	Msg Explan	Component	Recommended-Action
CMRP-2-QUAD_SUP_INCOMPATIBLE_SUPERVISOR_PWR_OFF	2-Critical	ICS is booted with quad sup incompatible image	iosv-chassis	Boot the supervisor in quad sup compatible image

Facility-Severity-Mnemonic	Security-Misconfig-Misconfig-Exploit	Component	Recommended-Action
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Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP-2-QUAD_SUP_SW_MISMATCH	2-Critical		ICS is booted with quad sup incompatible image	ios-chassisgr	Boot the supervisor in quad sup compatible image or contact TAC

Facility-Severity-Mnemonic	Security-Minimum-Maximum-Explain	Component	Recommended-Action
	ehT rep sp n i lcs lc toS lc s i ton ar eno flo ent car duc ,eb sp gub ht w psl d m .en gu6 n i sht eas duc del o t dnd .db o T mr mrf sht as tob ent sp n i B30 d m en y b gtf ent nagi d m		

Facility-Severity-Mnemonic	Security Message	Msg Explan	Component	Recommended-Action
		: del flo) 5		

Facility-Severity-Mnemonic	Security Rating	Misconfig. Msg Explan	Component	Recommended-Action
CMRP-2-QUAD_SUP_UPLINK_SVL_SUPERVISOR_PWR_OFF	2-Critical	ICS is booted with quad sup with stackwise-virtual over supervisor ports	iosv-chassis	Boot the supervisor with stackwise-virtual configured over linecard ports

Facility-Severity-Mnemonic	Severity-Mnemonic-Example	Component	Recommended-Action
	<p> stop n i leiv leiv toS leiv s i do new leiv do reo ss stop leiv s i do guk eht ss n i sht eas yam esc rtss yam gub eht ss othi rup fio eas exp lip tuo eht ss esu leiv leiv tuo leiv rio leiv ot rup </p>		

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-2-RP_CPLD_INCOMPATIBLE	2-Critical	1	Active RP requires a newer n iCPLD firmware to perform function properly in this chassis	ios-chassis	Upgrade the CPLD firmware on this FRU using the upgrade hw-programmable CPLD file <pkg_file> slot <fru_slot> command. Please see http://www.cisco.com/en/US/docs/routers/asr1000/cpld/hw_fp_upgrade.html for more details.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-2-RP_CPLD_INCOMPATIBLE_OTHER	2-Critical	RP_CPLD_INCOMPATIBLE_OTHER	An Active RP requires a newer CPLD firmware to not function properly in this chassis.	ios-xe-chassismgr	Upgrade the CPLD firmware on this FRU using the upgrade hw-programmable CPLD file <pkg_file> slot <fru_slot> command. Please see http://www.cisco.com/en/US/docs/routers/asr1000/cpld/hw_fw_upgrade.html for more details.
CMRP-3-BITS_INITIALIZATION	3-Error	RP_BITS_E1_T1_INTERFACE_FAILED_TO_INITIALIZE	The RP BITS E1/T1 S/T Interface has failed to initialize. This could be due to a hardware defect, a software driver defect or improper configuration.	ios-xe-chassismgr	Note the time of the error message and examine the logs for BITS driver or hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative
CMRP-3-CHASFS_OBJECT_DESTROY	3-Error	CHASFS_OBJECT_DESTROY	A chassis filesystem object that should have been destroyed was not destroyed.	ios-xe-chassismgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-CHASFS_PROPERTY_DESTROY	3-Error	CMRP-3-CHASFS_PROPERTY_DESTROY	CMRP-3-CHASFS_PROPERTY_DESTROY: A chassis or filesystem property that should have not been destroyed. If it was not destroyed.	iosv-chassis	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-CHASSIS_FRU_FAULT_IGNORED	3-Error	CMRP-3-CHASSIS_FRU_FAULT_IGNORED	CMRP-3-CHASSIS_FRU_FAULT_IGNORED: A debug switch variable will prevent a FRU from being restarted due to some faults.	iosv-chassis	No action is necessary.
CMRP-3-CHASSIS_FRU_FAULT_IGNORED_ISSET	3-Error	CMRP-3-CHASSIS_FRU_FAULT_IGNORED_ISSET	CMRP-3-CHASSIS_FRU_FAULT_IGNORED_ISSET: A debug switch variable will prevent a FRU from being restarted due to some faults.	iosv-chassis	No action is necessary.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-CHASSIS_MONITOR_FRU_BOOT_RETRIES_EXCEEDED	3-Error	gila	The FRU has failed to boot successfully in the maximum allowable attempts and this held in reset.	iosx-chassismgr	Remove the FRU from the chassis if the FRU continuously fails to boot.
CMRP-3-CHASSIS_MONITOR_FRU_BOOT_STATUS	3-Error	gila	The time at which the FRU started booting is not available. This time is used to check the boot status of the FRU.	iosx-chassismgr	Remove the FRU from the chassis if the FRU is continuously reloaded.
CMRP-3-CHASSIS_MONITOR_ONLINE_TIME_EXCEEDED	3-Error	gila	A FRU has failed to come online within the maximum boot time.	iosx-chassismgr	Remove the FRU from the chassis if the FRU is continuously reloaded.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMRP-3-CHASSIS_MONITOR_ONLINE_TIME_IGNORED	3-Error	The FRU failed to come online within the maximum online time. This message applies to all FRUs. A reload will not be performed because fault ignore is configured.	ios-chassis	No action is necessary.
CMRP-3-CHASSIS_MONITOR_READY_TIME_EXCEEDED	3-Error	The FRU failed to become ready within the maximum ready time. This message applies to FP FRUs. A switchover will be performed if another FP is available.	ios-chassis	Remove the FRU from the chassis if the FRU is continuously reloaded.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-CHASSIS_MONITOR_READY_TIME_IGNORED	3-Error	151	The FRU failed to become ready within the maximum ready time. This message applies to the FP FRUs. A switchover and/or reload will not be performed because fault ignore is configured.	ios-xe-chassismgr	No action is necessary.
CMRP-3-DDR_SINGLE_BIT_ERROR	3-Error	152	The RP MDDR has single-bit ECC errors.	ios-xe-chassismgr	In most cases, the system self-corrects these single-bit ECC errors and no user action is necessary. If the problem persists, gather the console output with the error message along with the show tech-support command output and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMRP-3-DUAL_IOS_STANDBY_BAY	3-Error	During standby bay shutdown, some related processes still remain running for an unexpectedly prolonged period of time. Chassis-manager has timed-out waiting for all related processes to shutdown. As a result, it is unable to notify Process-manager to restart the bay	ios-chassisgr	Examine the logs for standby bay's Forwarding-manager (fman), Interface-manager (iman), Pluggable-Service-Daemon (psd) and IOS. Ascertain which of these processes is taking too long to shutdown and note the reason. Take corrective action based on the error noted in the log
CMRP-3-EXT_ALARM_INTERRUPT	3-Error	There is an external alarm on the line.	ios-chassisgr	If alarm is asserted, then clear at the source.
CMRP-3-FAN_FAILURE_SYS_SHUTDOWN	3-Error	More than one fan failures are identified and this causing overheating of the system and will be shut down SYS in order to protect the components.	ios-chassisgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-FAN_INCOMPATIBLE	3-Error	err	The combination of Fan tray and one of the power supply slots is not supported. This could be because of unpredictable system behavior.	iosxe-chassismgr	This error indicates that the combination of one of the power supplies in P0 or P1 is not supported with the Fan Tray. In order to fix this issue, please review the installation guide, replace the fan tray or the power supply based on the requirement. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-FAN_INITIALIZATION	3-Error	err	The RP P failed to initialize the fan. This could be due to a software defect.	iosxe-chassismgr	Note the time of the error message and examine the logs. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-FAN_REMOVE_IM_SHUT	3-Error	err	Fan tray has been removed and the router will shutdown to protect itself from overheating in the amount of time stated in the error message.	iosxe-chassismgr	Reinsert a fan tray into the fan tray slot as soon as possible.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
CMRP-3-FAN_REMOVE_RSP2_SHUT	3-Error	enFan tray has rs been ll removed th and the not router will not shutdown not when cyclon pa temperature sa reaches 50 critical temperature i.e. 105C to protect itself from overheating in the amount of time stated in the error message.	ios-chassis		Reinsert a fan tray into the fan tray slot as soon as possible.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMRP-3-FAN_REMOVE_SHUT	3-Error	Fan tray has been removed and the router will shutdown to protect itself from overheating in the amount of time stated in the error message.	ios-cdrmgr	Reinsert a fan tray into the fan tray slot as soon as possible.
CMRP-3-FAN_REMOVE_SYS_SHUTDOWN_PENDING	3-Error	The FRU is overheating and will be shut down in order to protect the components.	ios-cdrmgr	LOG_STD_RECUR_ACTION
CMRP-3-FP_DOWNREV	3-Error	The FP inserted is a newer revision than the previous Active FP in the router. Downrev of s iFP is not supported.	ios-cdrmgr	Reboot the router.

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Expn	Component	Recommended-Action
CMRP-3-FP_LESSTHAN	3-Error	<p> The part number read from the FP did not match the compatible with part number of the active FP; therefore, it may not act as a standby. </p>	ios-chassis-mgr	Remove the FP from the chassis.
CMRP-3-FP_UNSUPP_UPREV	3-Error	<p> The FP inserted is a higher version than the previous Active FP in the router but this upgrade of FP is not supported. </p>	ios-chassis-mgr	Reboot the router.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-FRU_HWPRG_BAD_DEVICE	3-Error	W	The device is not supported in hardware programming.	iosv-chassis-gr	No action is required. This is an informational message
CMRP-3-FRU_HWPRG_LOAD_KMODULE_FAIL	3-Error	t	Cannot load a Kernel module when upgrading n CPLD or FPGA.	iosv-chassis-gr	Reload the card and retry to program the hw-programmable. If you get the same error, please contact TAC
CMRP-3-FRU_HWPRG_NO_FILE_ENTRY	3-Error	t	Cannot find a file or a directory when upgrading n CPLD or FPGA.	iosv-chassis-gr	No action is required. This is an informational message
CMRP-3-FRU_HWPRG_RESTART_ERROR	3-Error	r	Restart procedure was an error after reload upgrade.	iosv-chassis-gr	Try hw-module command to reload the FRU.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP-3-FRU_HWPRG_UPG_PS_FAILED	3-Error	The hardware programmable UPD power-supply upgrade failed.	iosxe-chassismgr	Please check Power-Supply model and PKG file.
CMRP-3-FRU_HWPRG_UPG_SUCCESS	3-Error	The hardware programmable CPLD/FPGA was upgraded successfully.	iosxe-chassismgr	No action is required. This is informational message
CMRP-3-FRU_HWPRG_UPG_UNSUPP	3-Error	Upgrade of hardware programmable CPLD/FPGA not supported.	iosxe-chassismgr	No action is required. This is informational message

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMRP-3-FRU_INCOMPATIBLE	3-Error	The part number read from the FRU IDPROM is invalid for this chassis type.	ios-chassis	Remove the FRU from the chassis.
CMRP-3-FRU_INVPARTNUM	3-Error	The FRU IDPROM contains an invalid part number.	ios-chassis	The FRU IDPROM should be repaired or the board replaced.
CMRP-3-FRU_NOPARTNUM	3-Error	The FRU IDPROM cannot be read or does not contain a valid part number field.	ios-chassis	The FRU IDPROM should be repaired.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-HWLIB_INITIALIZATION	3-Error	errhwlib	This could be due to a hardware defect, software driver defect or improper internal configuration.	ios-xe-chassismgr	Note the time of the error message and examine the logs for CPLD hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-HWMOD_FAIL	3-Error	errhwmod	The last hw-module command that was entered failed to complete	ios-xe-chassismgr	Retry the command. If the retry of the command fails, reload the router. If reloading the router fails to resolve the problem, note the time of the error message and examine the Chassis Manager logs. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-3-HWPRG_UPG_UNSUPP_SLOT	3-Error	CMRP-3-HWPRG_UPG_UNSUPP_SLOT	An upgrade of firmware programmable logic device (PLD/FPGA) is not supported in the given slot. Move the card to a different slot and perform the upgrade.	ios-cdrmgr	Move the card to a different slot and perform the upgrade.
CMRP-3-I2C_READ	3-Error	CMRP-3-I2C_READ	An I2C read has failed. This could be due to a hardware or software defect.	ios-cdrmgr	Note the time of the error message and examine the logs for I2C errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-I2C_WRITE	3-Error	CMRP-3-I2C_WRITE	An I2C write has failed. This could be due to a hardware or software defect.	ios-cdrmgr	Note the time of the error message and examine the logs for I2C errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-IDPROM_ACCESS	3-Error	err	Failed to access or store process and IDPROM. This could be due to a hardware defect, software defect or incorrect IDPROM content.	ios-xe-chassismgr	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-IDPROM_SENSOR	3-Error	err	One or more sensor fields from the IDPROM failed to parse properly. This problem is often the result of a checksum failure in the IDPROM.	ios-xe-chassismgr	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-INCOMPATIBLE_FRU	3-Error	err	The Product ID read from the FRU IDPROM is invalid for this hardware configuration.	ios-xe-chassismgr	Remove the FRU from the chassis. Review the Hardware and Software Compatibility Matrix in IOS XE release notes to determine currently supported configurations.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-INCOMPATIBLE_FRU_SDWAN	3-Error	Product ID not read from the FRU. The FRU is not supported in the SDWAN controller mode.	Product ID not read from the FRU. The FRU is not supported in the SDWAN controller mode.	ios-xe-chassis	Remove the FRU from the chassis
CMRP-3-INCOMPATIBLE_STANDBY_SUPERVISOR	3-Error	Supervisor found in standby slot may not be fully compatible with the active supervisor. Stand may cause issues.	Supervisor found in standby slot may not be fully compatible with the active supervisor. Stand may cause issues.	ios-xe-chassis	Use supervisors with the same specifications to enable High Availability features.
CMRP-3-INTERNAL_HW_ERROR	3-Error	An internal error condition was detected, and affected part of hardware was reset. If this error condition reoccurs, the hardware may need to be replaced.	An internal error condition was detected, and affected part of hardware was reset. If this error condition reoccurs, the hardware may need to be replaced.	ios-xe-chassis	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-INVENTORY_INITIALIZATION	3-Error	Inventory file could not be read. The file can be possibly be corrupt. The FRU will possibly not initialize properly. The FRU should reset automatically. If it does not, it should be reloaded manually. If the error persists, the FRU will need to be replaced.	iosxe-chassismgr	Wait a few minutes. If FRU does not reset automatically, it should be manually reloaded. If error persists, the FRU needs to be replaced.	
CMRP-3-LICENSE_TIMEOUT	3-Error	Throughput license was never received from Iman.	iosxe-chassismgr	Examine logs for error messages	
CMRP-3-ODD_OPR	3-Error	An OOD operation has failed. This could be due to a hardware or software defect.	iosxe-chassismgr	Note the time of the error message and examine the logs for OOD errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	

Facility-Severity-Mnemonic	Severity	Message	Msg Sym	Component	Recommended-Action
CMRP-3-OPR_PENDING	3-Error	enThe to previous le operation on s ithis board sa has not gr completed np cp yrt .tl	iosx-chassisgr		Try with the same command later
CMRP-3-PEER_INVALID	3-Error	reA peer table enentry has an cpinvalid state. yrtThis could sa be due to a dr software at defect or system resource exhaustion.	iosx-chassisgr		In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-PEM_REMOVE_SHUT	3-Error	enA power re supply has cp been yrt removed sa and the dr router will at shutdown to protect itself from overheating in the amount of time stated in the error message.	iosx-chassisgr		Reinsert a power supply into the power supply slot as soon as possible. The second power supply is required because the fans in the power supply are essential in monitoring router temperature.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-PFU_FAILURE	3-Error	CMRP-3-PFU_FAILURE	CMRP-3-PFU_FAILURE	iosxe-chassismgr	Force an RP switchover if the system is configured with two RPs. If a switchover does not correct the problem or cannot be performed, reloading the router should resolve the issue.
CMRP-3-PFU_FAN	3-Error	CMRP-3-PFU_FAN	CMRP-3-PFU_FAN	iosxe-chassismgr	Force an RP switchover if the system is configured with two RPs. If a switchover does not correct the problem or cannot be performed, reloading the router should resolve the issue.
CMRP-3-PFU_INCOMPATIBLE	3-Error	CMRP-3-PFU_INCOMPATIBLE	CMRP-3-PFU_INCOMPATIBLE	iosxe-chassismgr	Remove incompatible PSUs.
CMRP-3-PFU_INITIALIZATION	3-Error	CMRP-3-PFU_INITIALIZATION	CMRP-3-PFU_INITIALIZATION	iosxe-chassismgr	Note the time of the error message and examine the logs for C2W and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-3-PFU_MISSING	3-Error	CMRP-3-PFU_MISSING	There is no power supply in one of the power supply slots.	ios-chassis	Insert a power supply into the empty slot. The router requires two power supplies because the fans in the power supply are needed to cool the router.
CMRP-3-PFU_OIR	3-Error	CMRP-3-PFU_OIR	A power supply was inserted or removed into or from a router and the software did not properly handle the event.	ios-chassis	Force an RP switchover if the system is configured with two RPs. If a switchover does not correct the problem or cannot be performed, reloading the router should resolve the issue.
CMRP-3-POWERBUDGET	3-Error	CMRP-3-POWERBUDGET	The system does not have enough power budget for the new card.	ios-platform	the message will be displayed when not enough power budget left for the new card inserted.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message	Explanation	Component	Recommended-Action
CMRP-3-PSU_INCOMPATIBLE	3-Error	err	An incompatible power supplies combination has been identified in P0 and P1 power supply slots. This could cause unpredictable behavior in power management in the router.	ios-xe-chassismgr	This error indicates that the combination of the two power supplies in P0 and P1 is an unsupported combination. In order to fix this issue, please review the installation guide, plug out one of the power supplies based on the requirement. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-PWR_FAULT	3-Error	err	The FRU has been shutdown as a result of a power issue.	ios-xe-chassismgr	Check to ensure the router is receiving power. Otherwise, note the time of the error message and examine the logs for power-related errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-RP_MASTERSHIP_SET	3-Error	err	The router failed to establish RP Mastership.	ios-xe-chassismgr	Reload the router.

Facility-Severity-Mnemonic	Severity	Message	Msg Sym	Component	Recommended-Action
CMRP-3-RP_MISMATCH	3-Error	Part number read from the old FRU ID PROM is not compatible with part number of the active RP;	ios-chassisg	ios-chassisg	Remove the FRU from the chassis.
CMRP-3-RP_RESET	3-Error	This RP is resetting due to the reason specified.	ios-chassisg	ios-chassisg	No action is necessary.
CMRP-3-RP_SB_RELOAD	3-Error	RP request to reload the Standby RP failed.	ios-chassisg	ios-chassisg	Manually reload the standby RP. If that fails, configure SSO or RPR and then attempt the reload. If the problem persists, note the time of the error message and examine the Chassis Manager logs. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, show redundancy state, and the output of show tech-support and provide the gathered information to a Cisco technical support representative

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-RP_SWITCH_SB_NOT_READY	3-Error	P	An RP switchover occurred when the standby RP was not ready. The standby RP reset.	ios-xe-chassismgr	No user action is necessary. Allow the standby RP to reset.
CMRP-3-SENSOR_INITIALIZATION	3-Error	d	Sensor monitoring failed to initialize.	ios-xe-chassismgr	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-SENSOR_TYPE	3-Error	e	A sensor type is invalid. This could be due to a hardware defect, software defect or incorrect IDPROM content.	ios-xe-chassismgr	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-3-SERDES_ESI_INIT_FAIL	3-Error	hSA Serial g Bridge ESI I Sink did not h configure. h This could n be due to a h software n error. h d if o t g f	hSA Serial g Bridge ESI I Sink did not h configure. h This could n be due to a h software n error. h d if o t g f	ios-chassis	Note the time of the error message and examine the logs for Serial Bridge and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-SERDES_ESI_LOCK_FAIL	3-Error	hSA Serial g Bridge ESI I Sink did not h lock. This h could be due n to a h hardware n defect or a h software n configuration o error. h	hSA Serial g Bridge ESI I Sink did not h lock. This h could be due n to a h hardware n defect or a h software n configuration o error. h	ios-chassis	Note the time of the error message and examine the logs for Serial Bridge and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-3-SERDES_NSTEP_SYNC_ERROR	3-Error	hIO One or more n Backplane n Link didn't h come up. h This could n be due to a h hardware n defect.	hIO One or more n Backplane n Link didn't h come up. h This could n be due to a h hardware n defect.	ios-chassis	Note the time of the error message and examine the logs for repeated SYNC errors after repeated retries. If the logs, provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-3-SIP_MDR_FAIL	3-Error	3-Error	The SIP process is aborted and an attempt will be made to recover the SIP by resetting the SIP hardware.	iosx-chassismgr	Examine the system logs for errors.
CMRP-3-SOFT_ERROR_RELOAD	3-Error	3-Error	Uncorrected soft error on critical module, reloading the RP to recover.	asr903-system	If this reoccures frequently, contact asr903-system
CMRP-3-SOFT_ERROR_RELOAD_RECOMMENDED	3-Error	3-Error	Uncorrected soft error on critical module, reload is recommended to recover.	asr903-system	If this reoccures frequently, contact asr903-system
CMRP-3-SOFT_ERROR_UPDATE	3-Error	3-Error	Update for each soft error on different components	asr903-system	If this reoccures frequently, contact asr903-system

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-3-SOFT_ERROR_WAIT	3-Error	cmrp3-soft-error-wait	Uncorrected soft error on critical module, waiting for standby to reach SSO or to switchover	asr903-system	If this reoccures frequently, contact asr903-system
CMRP-3-SYS_REBOOT	3-Error	cmrp3-sys-reboot	System reboot is called from software. Please check the reason and earlier syslog, traces	iosv-chassis	Check the reason string and take appropriate action
CMRP-3-THROUGHPUT_LICENSE_APPLY_FAILED	3-Error	cmrp3-throughput-license-apply-failed	This message is sent to notify the user that a license lookup did not succeed because license manager process could not be contacted. This is a rare case but is due to either a crashed license daemon(licensed) or it encountered an internal error.	iosv-chassis	No user action is necessary. However, it is possible that a re-boot of the box may correct this behavior.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP-3-UDI_AUTH	3-Error	IOS-XE-3-UDI_AUTH	This chassis appears to be compromised and/or tampered with. UDI chip burned on to the Quack chip and the one read from chassis EEPROM do not match. It can also be a case of either EEPROM or Quack device failure. More details about which specific field failed to match are logged in license daemon log file (license_R0log).	iosxe-chassismgr	User immediately needs to contact Cisco support. This device appears to be tampered with or is a counterfeit device or had a system failure.
CMRP-3-UNSUPPORTED_FRU	3-Error	IOS-XE-3-UNSUPPORTED_FRU	The Product ID read from the FRU EEPROM is not supported in this router. This is due to either hardware or software compatibility limitation indicated in the console log	iosxe-chassismgr	Remove the FRU from the chassis. Review the Hardware and Software Compatibility Matrix in IOS XE release notes to determine currently supported configurations.

Facility-Severity-Mnemonic	Severity	Message	Msg Sym	Component	Recommended-Action
CMRP-3-UNSUPPORTED_PEM	3-Error	The Product ID read from the PEM is not supported in this hardware configuration. It will be stalled to continue but immediate replacement is required.	ios-chassis-mgr	Remove the PEM from the chassis and replace it with a supported PEM. Review the Hardware and Software Compatibility Matrix in IOS XE release notes to determine currently supported configurations.	
CMRP-3-WANPLL_SETUP	3-Error	Failed to setup the RP WAN PLL appropriately. This could be due to a hardware defect of the WAN PLL.	ios-chassis-mgr	Note the time of the error message and examine the logs for WAN PLL related hardware errors. Check if the issue is transient or repeatable. If the problem is not recoverable collect the output of the error message and the chassis- manager and IOS logs. Provide the gathered information to a Cisco technical support representative.	
CMRP-4-ACTIVE_SLOTBAY_BIAS	4-Warning	The configured active slot/bay bias is not 0 or 1. The default value of 0 is used.	ios-chassis-mgr	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.	

Facility-Severity-Mnemonic	Severity-Mnemonic	Msg-Explan	Component	Recommended-Action
CMRP-4-CPP_WARN	4-Warning	Plug out one ethernet LC with heavy traffic, it may cause cpp queue suspending need drain and modem offline.	dr-platform	No action is required.
CMRP-4-FAN_TRAY_OVER_CURRENT	4-Warning	Internal Error (Fan Tray over-current) condition not detected, and so the system was reset. If this error condition reoccurs, the hardware may need to be replaced.	ios-chassis	LOG_STD_RECUR_ACTION
CMRP-4-INTRUSION_ALERT	4-Warning	These tamper alert messages indicate the events of intrusion.	ios-chassis	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP-4-MOTHERBOARD_OVER_CURRENT	4-Warning	Internal error (Motherboard over-current) condition was detected, and so the system was reset. If this error condition reoccurs, the hardware may need to be replaced.	ios-chassis	LOG_STD_RECUR_ACTION
CMRP-4-NGWICS_OVER_CURRENT	4-Warning	Internal error (NIM over-current) condition was detected, and so the system was reset. If this error condition reoccurs, the hardware may need to be replaced.	ios-chassis	LOG_STD_RECUR_ACTION
CMRP-4-SERDES_ESI_CARD_RESEAT	4-Warning	Serial Bridge ESI Sink did not lock during first 10 retries due to improper seating.	ios-chassis	Note the time of the error message and examine the logs for Serial Bridge and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP-4-SSD_BTN_PRESS_WARN	4-Warning ent These DS Sampler alert message indicate the event of ssd n button press. ent rnsf rnsf n i tals let sah neeb dte dra ton dte n o sht rnsf on	iosx-chassis-gr	LOG_STD_NO_ACTION
CMRP-4-SYSTEM_OVER_CURRENT	4-Warning Internal error (system over-current) condition was detected, and so the system was reset. If this error condition reoccurs, the hardware may need to be replaced.	iosx-chassis-gr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Security-Messages-Msg-Explan	Component	Recommended-Action
CMRP-4-TAMPER_DETECTION_AT_LEAST_EVENT_MSG	4-WarningmsgThese tamper warnings indicate the events of intrusion. The least number of opened/closed events is counted.	iosv-chassisgr	LOG_STD_NO_ACTION
CMRP-4-TAMPER_DETECTION_EVENT_MSG	4-WarningmsgThese tamper warnings indicate the events of intrusion.	iosv-chassisgr	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP-4-TAMPER_DETECTION_NO_LAST_KNOWN_EVENT	4-Warning message. These tamper warnings do not indicate the levels of intrusion. There is no last known/marked event.	iosxe-chassismgr	LOG_STD_NO_ACTION
CMRP-5-CHASSIS_MONITOR_BOOT_TIME_PRINT	5-Notice message. This is an informational message about boot time of all boards.	iosxe-chassismgr	Action is not necessary.
CMRP-5-FRU_CPLD_MISMATCH	5-Notice message. This FRU requires a matching CPLD firmware to function properly in this chassis.	iosxe-chassismgr	Upgrade the CPLD firmware to have matching versions.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP-5-HA_NOTICE	5-Notice	A	HA Error occurred. This could be due to a software defect, please follow action	ios-chassis	Note the time of the error message and examine the logs for HA and hardware errors. Try re-inserting Standby SUP properly and see if problem gets corrected, If the problem is not correctable or the logs are not helpful, collect the the output of the error message,the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
CMRP-5-NEBS_ACCESS_PID_FAIL	5-Notice	d	Unable to access NGIO PID list for Olot %d bay DIP %d in ts NEBS mode rof n o its n i SEN .an	ios-chassis	LOG_STD_RECUR_ACTION
CMRP-5-PEM_OUTPUT_DETECT	5-Notice	u	Value of f Output of ME PEM. k s i k V	dr-platform	If PEM Output is 0, check Power Cable.
CMRP-5-PRERELEASE_HARDWARE	5-Notice	k	The board s idoes have an official production part number.	ios-chassis	Immediately contact Cisco for a replacement board.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-5-SUDI_KEY_READ_INIT_FAILED	5-Notice	HA key read failed during initialization. and on	ios-chassisgr		Check SUDI Trustpoint creation. Please collect output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-5-UNSUPPORTED_MODULE	5-Notice		Hardware in the specified location could not be identified as a genuine Cisco product	ios-cdmg	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Security Rating	Message Explanation	Component	Recommended Action
		<p>on a C top s i ent ex f o a t si C y am yrd t re ny y r o re a C t ag</p>		
CMRP-5-UNSUPPORTED_MODULE_IN_NEBS	5-Notice	<p>Hardware in the specified location should be removed in NEBS mode</p> <p>s i ton n i SEN rop .an</p>	ios-chassis	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP-6-DUAL_IOS_REBOOT_REQUIRED	6-Informational Chassis manager received notification that IOS software redundancy has been configured. For these changes to take effect, the system must be restarted.	ios-chassismgr	Reload the chassis.
CMRP-6-DUAL_IOS_STARTING	6-Informational Chassis manager received notification that IOS software redundancy has been configured. The standby IOS will be started in the time specified.	ios-chassismgr	No action is necessary.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP-6-DUAL_IOS_STOPPING	6-Informational	The standby IOS manager has received a notification to stop the standby IOS instance. This may be for a redundancy mode change. Depending on the reason, the standby may be subsequently restarted.	ios-chassis	No action is necessary.
CMRP-6-FORCE_RESET_OTHER_RP	6-Informational	The Other RP Supervisor PUS force reset due to hold the shimidplane lock for a long time during supervisor failover.	ios-chassis	No action is required. This is informational message
CMRP-6-FP_HA_SB_NOTREADY	6-Informational	The standby FP is not ready for a switchover.	ios-chassis	No user action is necessary.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-6-HT_CLOSURE_MODE	6-Informational	HT_CLOSURE_MODE	This is not a critical error, but it will result in possible traffic interruption during certain software failure cases or ISSU operations.	iosv-chassis	Note the error message and contact a Cisco technical support representative.
CMRP-6-HT_STATUS	6-Informational	HT_STATUS	The RP multiprotocol driver was properly configured for a newly active FP.	iosv-chassis	No user action is necessary. This is an informational message indicating normal system operation.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP-6-IGNORE_PFU_OIR	6-Information	<p>FAN tray NA OIR is R simulated e through o software to NA Select new de FAN di SPEED en profile. this message is to let know the user that this is a simulated FAN oir and not physical FAN oir. User needs to ignore next occurrence messages/larms associated with FAN tray removal/insertion actions. such as FAN tray missing, PEM/FAN removed/inserted and system shutdown will happen messages</p>	asr903-system	ignore FAN tray or PEM/FM removal/insertion messages and system shutdown message

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP-6-MGMT_SFP_INSERT	6-Informational	Insertion and removal of (OIR) facility	The online insertion and removal of (OIR) facility detected a newly inserted transceiver module for the interface specified in the error message.	ios-cdrmgr	No action required.
CMRP-6-MGMT_SFP_REMOVED	6-Informational	Insertion and removal of (OIR) facility	The online insertion and removal of (OIR) facility detected the removal of a transceiver module from the interface specified in the error message.	ios-cdrmgr	No action required.

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP-6-MODULE_INSERTED_CFG_MISMATCH	6-Informational-The Line card and SVL/DAD n iCONFIG in the slot mismatch.	iosx-chassismgr	Change the config and reload the system or remove the Line card.

Facility-Severity-Mnemonic	Severity-Mnemonics	Message-Explanation	Component	Recommended-Action
CMRP-6-REDT_FP_UNSUPPORTED_IN_INTER_CHASSIS_MODE	6-Information	Because the system is configured in box-to-box or inter-chassis redundancy mode, the intra chassis redundancy mode is not supported and redundant FP, if any, will be disabled.	ios-chassis	No user action is necessary.
CMRP-6-REDT_RP_UNSUPPORTED_IN_INTER_CHASSIS_MODE	6-Information	Because the system is configured in box-to-box or inter-chassis redundancy mode, the intra chassis redundancy mode is not supported and redundant RP, if any, will be disabled.	ios-chassis	No user action is necessary.

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP-6-RFROLE	6-InformationP On RP is switchover has chassis role property has been changed.	iosxe-chassismgr	No user action is necessary.
CMRP-6-RP_SB_RELOAD_REQ	6-InformationP A reload of Standby RP has been requested.	iosxe-chassismgr	No action is necessary.
CMRP-6-RP_SWITCH_SB_SYNC	6-InformationP The RP switch synchronization timer expired.	iosxe-chassismgr	No user action is necessary.
CMRP-6-SINGLE_IOS_REBOOT_RECOMMENDED	6-InformationP Chassis ts manager e received notification that IOS ch software s redundancy ch has been e unconfigured. ch For optimal ro runtime ho resource allocation, the system must be restarted.	iosxe-chassismgr	Reload the chassis.
CMRP-6-STBY_HARDDISK_UNAVAIL	6-InformationP The s istby-harddisk is not available.	iosxe-chassismgr	No user action is necessary. This is an informational message.
CMRP-6-TEST_SPA_OIR_ONLINE_INSERT_DENIED	6-InformationP Test command is executed disallowing the spa to be inserted.	iosxe-chassismgr	Execute the test command allowing the insertion of the spa for normal operation

Facility-Severity-Mnemonic	Security Rating	Message Explanation	Component	Recommended Action
CMRP-6-TEST_SPA_OIR_ONLINE_OPS	6-Informational	AP test command executed to either allow/deny the spa to come online.	iosv-chassis-gr	If the card does not come online, execute the test command to allow the spa to come online.
CMRP-6-THROUGHPUT_LICENSE	6-Informational	Status indicating whether throughput test license is found and the corresponding throughput the CPP hardware is configured to provide.	iosv-chassis-gr	No user action is necessary. This is an informational message indicating throughput configured.
CMRP_ENVMON-3-PWR_FRU_HW_AUTO_SHUTDOWN	3-Error	The FRU hit abnormal dvoltage or n current and t has been t auto-shutdown t in order to t protect the c components. r o . t i sah ncb dca y b cca rof ntp	iosv-chassis-gr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP_ENVMON-3-TEMP_FRU_HW_AUTO_SHUTDOWN	3-Error	CMRP	The FRU is overheating and has not been auto-shutdown in order to protect the components.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_ENVMON-3-TEMP_FRU_SHUTDOWN_NOW	3-Error	CMRP	The FRU is overheating and will be shutdown in order to protect the components.	iosxe-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP_ENVMON-3-TEMP_FRU_SHUTDOWN_PENDING	3-Error	CM	The FRU is overheating and will be shut down in order to protect the system components. n i a was URF as URF was llw nco n i le sin	iosv-chassisgr	LOG_STD_RECUR_ACTION
CMRP_ENVMON-3-TEMP_PSU_SHUTDOWN_NOW	3-Error	CM	The PSU is overheating and will be shut down in order to protect the system components. n i a was USP as USP was .vn	iosv-chassisgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP_ENVMON-3-TEMP_SYS_SHUTDOWN_NOW	3-Error	CMRP_ENVMON-3-TEMP_SYS_SHUTDOWN_NOW	The FRU is overheating and will be shut down on order to protect the system components.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_ENVMON-3-TEMP_SYS_SHUTDOWN_PENDING	3-Error	CMRP_ENVMON-3-TEMP_SYS_SHUTDOWN_PENDING	The FRU is overheating and will be shut down on order to protect the system components.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_ENVMON-3-TEMP_WARN_CRITICAL	3-Error	CMRP_ENVMON-3-TEMP_WARN_CRITICAL	The FRU is overheating and will be shut down on order to protect the system components.	iosxe-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
CMRP_ENVMON-3-TRANSCIVER_TEMP_SYS_SHUTDOWN_NOW	3-Error	CMRP-3-Error	The Transceiver is overheating and will be shutdown in order to protect the system components.	ios-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_ENVMON-6-TEMP_SYS_SHUTDOWN_DISABLED	6-Information	CMRP-6-Info	Thermal Shutdown disable is configured to bypass the system shutdown.	ios-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-1-FAN_POLICY_ALERT	1-Alert	CMRP-1-Alert	System FAN policy check detected issues, no redundant fan tray or fan detected. System will shutdown if a fan or fan tray is not inserted back	ios-chassis-gr	Reinsert the fan or the fan tray back in order to prevent the system from shutdown.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP_PFU-1-PFU_FAN_FAILED	1-Alert	msg	Fan tray has been removed or one of the fan failed and the router will shutdown when the temp reaches Critical temperature to protect itself from overheating.	ios-chassis	Reinsert a fan tray into the fan tray slot as soon as possible.

Facility-Severity-Mnemonic	Severity	Mnemonic	Msg	Explan	Component	Recommended-Action
CMRP_PFU-2-PSU_MIX_PWR_CAPACITY	2-Critical	Power supplies connected in system have different power capacity. This is not supported from hardware as shift can lead to unstable behavior or system may go for reload. Power capacity can be checked using CLI to show power detail	Power supplies connected in system have different power capacity. This is not supported from hardware as shift can lead to unstable behavior or system may go for reload. Power capacity can be checked using CLI to show power detail	Power supplies connected in system have different power capacity. This is not supported from hardware as shift can lead to unstable behavior or system may go for reload. Power capacity can be checked using CLI to show power detail	Power supplies connected in system have different power capacity. This is not supported from hardware as shift can lead to unstable behavior or system may go for reload. Power capacity can be checked using CLI to show power detail	Connect all the power supplies having same power capacity as soon as possible.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
CMRP_PFU-2-PSU_VOLATGE_MIX	2-Critical	x	Some PSUs are connected to dual 10V and some are connected to 220V. This is not supported from hardware as it may cause system failure and system may go for reload. Input voltage can be checked using CLI show platform hardware . chassis power-supply na detail esc rtrss dr to6 ent cas giv tni o t dca rtrss dr ym	ios-chassis	Connect all the power supplies to same voltage input source as soon as possible.
CMRP_PFU-3-DCPOWERREDUNDANCY	3-Error	c	The DC input failed for pem module. rof rap ka	ios-chassis	the message will be displayed when DC input failed.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP_PFU-3-FANASSY_REMOVED	3-Error	fan assembly has been removed from the system. It needs to be inserted back to prevent the system from overheating. If the system overheats, parts of the system will not function normally and system may shut itself down.	iosx-chassismgr		Insert the fan assembly in the system to prevent system from over heating.
CMRP_PFU-3-PEM_STATUS	3-Error	The power supply module are not functioning properly. The system will still be in a state of emergency.	iosx-chassismgr		LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
CMRP_PFU-3-PEM_VOLTAGE_NOT_SUPPORTED	3-Error	CMRP_PFU-3-PEM_VOLTAGE_NOT_SUPPORTED	The input voltage of the power supply module is out of range.	Power Supply Module	LOG_STD_RECUR_ACTION
CMRP_PFU-3-PFU_FANS_DEAD	3-Error	CMRP_PFU-3-PFU_FANS_DEAD	The system is in danger of overheating because none of the fans in one of the PEMs are working properly.	Power Supply Module	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP_PFU-3-PFU_FANS_DEAD_SHUTDOWN	3-Error	When the fans fail, the system will not have sufficient cooling capacity. To prevent damage, the system will automatically shut down.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-3-PFU_FAN_DEAD	3-Error	CM fan is not functioning properly.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-3-PFU_FAN_ERR	3-Error	CM fan is not functioning properly.	iosxe-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMRP_PFU-3-PFU_IDPROM_CORRUPT	3-Error	<p>The idprom contains information required in order to properly operate the environmental monitoring subsystems. The idprom could not be read, therefore no monitoring will take place.</p>	iosv-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-3-PFU_IDPROM_READ_ERR	3-Error	<p>The idprom contains information required in order to properly operate the environmental monitoring subsystems. The idprom could not be read, therefore no monitoring will take place.</p>	iosv-chassis-gr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP_PFU-3-PFU_SHUTDOWN	3-Error	When either two PEM or a PEM are removed, the system lacks sufficient cooling capacity. To prevent damage, the system will automatically shut down unless it is replaced.	Power supply	LOG_STD_RECUR_ACTION
CMRP_PFU-3-PFU_SLOT_VACANT	3-Error	There is no power supply in one of the power supply slots.	Power supply	Insert a power supply into the empty slot.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP_PFU-3-PWR_MGMT_ALARM	3-Error	CM System Power does not meet minimum requirements. Insert additional power supplies or provide current power supplies with a greater input Voltage resource if applicable.	iosv-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-3-PWR_MGMT_LC_SHUTDOWN	3-Error	CM LC was shutdown due to a power loss.	iosv-chassis-gr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP_PFU-3-PWR_MGMT_SINGLE_SUP_ERROR	3-Error	Insert a second supervisor in a single-sup power mode.	Inserted a second supervisor in a single-sup power mode.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-3-PWR_PROTECTION_ACTION	3-Error	The total chip power is not enough, shutdown FRUs for power protection.	The total chip power is not enough, shutdown FRUs for power protection.	iosxe-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
CMRP_PFU-3-PWR_PROTECTION_MODE	3-Error	CMRP_PFU-3-PWR_PROTECTION_MODE	Input voltage of power supply is too low.	Power supply	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
CMRP_PFU-3-PWR_REDUN_ALARM_STATE	3-Error	On active power supplied failed while in redundant power mode. The system has reached a condition where it should be shut down, but the shutdown call failed. The system should be manually rebooted.	iosx-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-3-SHUTDOWN_FAILURE	3-Error	The system has reached a condition where it should be shut down, but the shutdown call failed. The system should be manually rebooted.	iosx-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CMRP_PFU-3-TEMP_FRU_SHUTDOWN	3-Error	The FRU is overheating and will be shut down in order to protect the components.	iosv-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-3-TEMP_SYSTEM_SHUTDOWN	3-Error	The system is overheating and will be shut down in order to protect the components.	iosv-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-4-PFU_FANTRAY_WARN	4-Warning	Fantray is not functioning properly.	iosv-chassis-gr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP_PFU-4-PFU_FAN_ID_WARN	4-Warning CM fan is not functioning properly. CM fan is not functioning properly.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-4-PFU_FAN_INSUFFICIENT	4-Warning CM insufficient number of fan modules installed, should insert new fans as soon as possible to avoid system from overheating. CM insufficient number of fan modules installed, should insert new fans as soon as possible to avoid system from overheating.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-4-PFU_FAN_TRAY_WARN	4-Warning CM fan tray is not functioning properly. CM fan tray is not functioning properly.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-4-PFU_FAN_WARN	4-Warning CM fan is not functioning properly. CM fan is not functioning properly.	iosxe-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP_PFU-4-PWR_MGMT_CAPACITY_MIXED	4-Warning not Full protected from mode with mixed capacity power supplies. This is due to current sharing; specifically dealing with the case in which all active power supplies fail simultaneously. Full protected state is demoted to Normal protected state.	ios-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-4-PWR_MGMT_WARN	4-Warning Not sufficient number of power supplies are installed. Should (insert new power supplies as soon as possible) . At this time, the system is in a degraded state. .	ios-chassis-gr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP_PFU-4-PWR_MGMT_WARNING	4-Warning	CM	Insufficient number of power supplies are reinstalled to operate in (configured) mode, more power supply should be installed soon.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-5-DCPOWERINPUT	5-Notice	c	The DC input is recovered for pem module.	iosxe-chassismgr	the message will be displayed when DC input recovered.
CMRP_PFU-6-FANASSY_INSERTED	6-Informational	Fan	Assembly that was previously removed has been inserted in the system. Preventing the system from over heating is important. So fan assembly should not be removed for extended period of time during normal operation.	iosxe-chassismgr	No further action is necessary.

Facility-Severity-Mnemonic	Severity	Message	Message Type	Component	Recommended-Action
CMRP_PFU-6-PEM_INSERTED	6-Informational	Power Supply or Fan-tray, LED Beacon is ON/OFF.	PEM Seems to be inserted without the power cable connected. This message is a notice that the power supply is not operational, will not provide power to the system, and may not be completely detected by the software until the power cable is connected and the PEM is supplied with the power.	Power Supply	Insert the power supply cable in the PEM and provide power.
CMRP_PFU-6-PFU_BEACON_LED_ON_OFF	6-Informational	Power Supply or Fan-tray, LED Beacon is ON/OFF.	Power Supply or Fan-tray, LED Beacon is ON/OFF. This is a notification message only. No action is required.	Power Supply	This is a notification message only. No action is required.

Facility-Severity-Mnemonic	Severity-Mnemonic-Msg-Explan	Component	Recommended-Action
CMRP_PFU-6-PFU_FAN_DETECTED	6-Information After previous no fan or insufficient fan modules or alarm, the required minimum number of fan trays or fan modules have been detected.	ios-chassismgr	No further action is required.
CMRP_PFU-6-PFU_FAN_RECOVERED	6-Information Fans are just recovered from an error condition, no further action is required.	ios-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PFU_FAN_RECOVERED_I2C	6-Information Fans are just recovered from an I2C communication error.	ios-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
CMRP_PFU-6-PFU_INSERTED	6-Information	When either a PEM or a rPSM are removed, the system lacks sufficient cooling capacity. To prevent damage, the system will automatically shut down unless it is replaced. This message serves as notice that the module has been replaced within the required time	iosx-chassisgr		LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Meaning	Message-Explanation	Component	Recommended-Action
CMRP_PFU-6-PSU_MIX_PWR_CAPACITY_RECOVERED	6-Informational	Mix of power supplies capacity was recovered. All power supplies were connected in the system. This was not supported by the hardware as it may have caused the system failure. The system is now in a stable state with all power supplies having same power capacity	ios-chassis-gr	All connected power supplies should be of same power capacity

Facility-Severity-Mnemonic	Severity-Mnemonics-Message-Explanation	Component	Recommended-Action
CMRP_PFU-6-PSU_VOLATGE_MIX_RECOVERED	6-Informational Some PSUs were connected to 110V and some were connected to 220V. This was not supported by the hardware as it may have caused the system failure. The system is now in a stable state with all PSUs connected to the same input voltage.	Power Chassis	All the power supplies should be connected to same input voltage source
CMRP_PFU-6-PWR_MGMT_LC_RECOVERED	6-Informational A LC was recovered from a shutdown.	Power Chassis	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_MGMT_NON_REDUNDANT	6-Informational Changing the power redundancy mode to non-redundant.	Power Chassis	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Explanation	Component	Recommended-Action
CMRP_PFU-6-PWR_MGMT_OK	6-Informational Sufficient number of power supplies are installed.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_MGMT_OPERMODE_FULL_PROTECTED	6-Informational Changing the power redundancy operational mode to fully protected.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_MGMT_OPERMODE_NON_REDUNDANT	6-Informational Changing the power redundancy operational mode to non-redundant.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_MGMT_OPERMODE_NORMAL_PROTECTED	6-Informational Changing the power redundancy operational mode to normal protected.	iosxe-chassismgr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Symptom	Component	Recommended-Action
CMRP_PFU-6-PWR_MGMT_OPERMODE_REDUNDANT	6-Informational Changing the power redundancy operational mode to redundant.	iosv-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_MGMT_REDUNDANT	6-Informational Changing the power redundancy mode to redundant	iosv-chassis-gr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_MGMT_SINGLE_SUP_NOTICE	6-Informational User needs to be notified that Single-supply mode is now enabled	iosv-chassis-gr	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
CMRP_PFU-6-PWR_PROTECTION_RECOVERED	6-Informational Power supply input was just recovered from an error condition, need to format and report to the user.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_REDUN_RECOVERED	6-Informational User has recovered the system from the error alarm state and triggered by a power failure and failure state was restored to normal operation.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CMRP_PFU-6-PWR_UP_FRU	6-Informational The total power has become enough, so power up FRUs.	iosxe-chassismgr	LOG_STD_RECUR_ACTION
CONFIG_VALIDATOR_MESSAGE-5-EWLC_GEN_ERR	5-Notice The EWLC wireless config db Error Message.	iosxe-binos-utils	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
CSVERIFY-3-CSVERIFY_FAIL	3-Error	During digital signature verification, an error has occurred	iosxe-binos-utils	Check the diagnostic csverify trace file for more information on the underlying failure.
CSVERIFY-6-CSVERIFY_SUCCESS	6-Informational	Signature verification was successful for the file mentioned.	iosxe-binos-utils	This is an informational message. No action is required.
CW_LIC-5-AP_AIR_STATE	5-Notice	AP has moved to cAIR state	ewlc-ap	If this message occurs, it implies that the given AP has moved to AIR state
CW_LIC-5-AP_COMPLIANT_STATE	5-Notice	AP has moved to ccompliant state either on AP join or on SA notification	ewlc-ap	If this message occurs, it implies that the given AP has moved to compliant state from non-compliant, day n or end of term state
CW_LIC-5-AP_LICENSE_EXPIRATION_STATE	5-Notice	AP has moved to clicense expiration state	ewlc-ap	If this message occurs, it implies that the given AP has moved to license expiration state

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
DBAL-3-BIPC_MSG_ALLOC_FAIL	3-Error	QIPBIPC msg g size beyond e limit. oot gib o t ala	BIPC msg size beyond limit.	polaris-infra	Report this occurrence to Cisco TAC
DBAL-3-MQIPC_ADVANCEERR	3-Error	QIPMQIPC fails o to advance o to the next l msg in r DBAL l	MQIPC fails to advance to the next msg in DBAL	polaris-infra	Report this occurrence to Cisco TAC
DBAL-3-MQIPC_EVENTLOSS	3-Error	QIPMQIPC t event t s notifying of r non-empty l queue not l delivered to DBAL	MQIPC event s notifying of non-empty queue not delivered to DBAL	polaris-infra	Report this occurrence to Cisco TAC
DBAL-3-MQIPC_PEEKERR	3-Error	QIPMQIPC fails k to peek and o fetch a msg l in DBAL r l l g me l	MQIPC fails to peek and fetch a msg in DBAL	polaris-infra	Report this occurrence to Cisco TAC
DBAL-3-MQIPC_READER_INIT_BY_TIMER	3-Error	QIPMQIPC r reader l initialized o by timer not y l hasfs r watcher. t on s to l	MQIPC reader initialized by timer not hasfs watcher.	polaris-infra	Report this occurrence to Cisco TAC

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
DBAL-4-LONG_EXEC_BATCH	4-Warning gndBAL batch execution took an extended period of time. This may or may not be a problem depending on the circumstances	polaris-infra	Collect log archive and show tech-support and report this occurrence to Cisco TAC
DBAL-6-DELAYED_BATCH	6-Informational DBAL batch load with an extended lifetime. This can occur when large amounts of data and/or operations are being performed.	polaris-infra	If this is causing impact to any service, collect log archive and show tech-support and report this occurrence to Cisco TAC. Otherwise, safe to ignore.
DBGD-3-SYNTHETIC_TEST_PROBE_DNS_ERR	3-Error SNO This error occurs when syslog is generated during synthetic test probes to when FQDN cannot be resolved due to errors in DNS config	edge-svcability	No action is required

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
DBGD-5-INTERFACE_AUTO_BW	5-Notice	This notice is generated whenever upstream or downstream bandwidth of an interface is auto adjusted.	edge-svcability	No action is required
DBGD-5-SYNTHETIC_TEST_PROBE_RESULT	5-Notice	This notice is generated once a synthetic test probe finishes measuring loss and latency to a given SaaS application.	edge-svcability	No action is required
DC_DYNAMIC_XML_LOGDC_DYNAMIC_XML_CANNOT_GET_XML_FILE_SIZE	3-Error	Unable to get file size of dynamic XML file exist: %s	ewlc-client	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DC_DYNAMIC_XML_LOG3DC_DYNAMIC_XML_CANNOT_LOAD_XML	3-Error	Unable to load dynamic XML file /etc/user_profiles.xml	ewlc-client	LOG_STD_ACTION
DC_DYNAMIC_XML_LOG3DC_DYNAMIC_XML_CANNOT_OPEN_XML_FILE	3-Error	Unable to open dynamic XML file /etc/user_profiles.xml	ewlc-client	LOG_STD_ACTION
DC_DYNAMIC_XML_LOG3DC_DYNAMIC_XML_CANNOT_PARSE_XML	3-Error	Unable to parse dynamic XML file /etc/user_profiles.xml	ewlc-client	LOG_STD_ACTION
DMI-2-CDB_MAN_SUB_FAIL	2-Critical	A ConfD error has occurred attempting to mark DMI as a mandatory subscriber	ddmi-infra	Stop and restart netconf-yang.
DMI-2-CHG_VRF_FAIL	2-Critical	The DMI Application failed to set the correct virtual routing and forwarding network; thus, it cannot communicate with ConfD.	ddmi-infra	Stop and restart netconf-yang.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-2-CLI_CHANNEL_CLOSED	2-Critical	The CLI engine event the channel to the network element closed unexpectedly.	ddmi-infra	DMI will reset. No action necessary.
DMI-2-CONFD_CB_REG_DONE_FAIL	2-Critical	A DMI application cannot complete its callback registration with Confd.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-CONFD_CB_REG_FAIL	2-Critical	A DMI application cannot register a particular callback with Confd.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-CONFD_CONNECT_FAIL	2-Critical	A DMI application cannot connect to Confd via a particular socket type.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-CONFD_INIT_FAIL	2-Critical	Confd did not initialize properly.	ddmi-infra	Back out any recent yang model updates. Stop and restart netconf-yang.

Facility-Severity-Mnemonic	Security Message	Explanation	Component	Recommended-Action
DMI-2-MAAPI_WAIT_FAIL	2-Critical	Warning: The DMI daemon did not initialize properly.	ddmi-infra	Back out any recent yang model updates. Stop and restart netconf-yang.
DMI-2-NESD_CREATE_FAIL	2-Critical	Either an out-of-memory condition has been encountered, or the DMI CLI engine cannot connect to the network element.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-NESD_INIT_FAIL	2-Critical	The nesd daemon failed to initialize.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-NESD_PREHOOK_INIT_FAIL	2-Critical	The nesd daemon failed to initialize its subcomponents or add-ons.	ddmi-infra	Stop and restart netconf-yang.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-2-NES_RESET_FAIL	2-Critical	The network element synchronizer daemon cannot reset in order to recover from a critical error.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-NETCONF_SSH_CRITICAL	2-Critical	A critical message from the NETCONF SSH daemon.	ddmi-infra	Not applicable
DMI-2-NOTIFICATION_READ_FAIL	2-Critical	An attempt to read an event from the Confd Notification socket failed.	ddmi-infra	DMI will reset. No action necessary.
DMI-2-RUNNING_DATASTORE_INVALID	2-Critical	IOS configuration failed during commit phase of the transaction. As a result, running datastore is not in sync with IOS configuration. Configuration to IOS is not allowed until datastore becomes valid after full sync.	INVALID	Device will perform full-sync. CDB lock must be released by the controller to unblock full-sync.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
DMI-2-SD_INIT_FAIL	2-Critical	sdm	The syncfd o daemon failed to initialize.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-SD_RESET_FAIL	2-Critical	sdm	The syncfd o daemon cannot reset in order to INDecover from a critical error.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-VTY_SERVER_RESET_FAIL	2-Critical	sdm	Failed to o reset VTY server utility YTYn order to recover from critical error.	ddmi-infra	Stop and restart netconf-yang.
DMI-2-WORKER_SOCKET_CLOSED	2-Critical	sdm	The worker socket connection to Confd has closed unexpectedly.	ddmi-infra	DMI will reset. No action necessary.
DMI-2-WORKER_SOCKET_ERROR	2-Critical	sdm	The worker socket connection to Confd has returned an error.	ddmi-infra	DMI will reset. No action necessary.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
DMI-3-AUTH_TIMED_OUT	3-Error	AAA AAA to request timed out.	AAA AAA to request timed out.	ddmi-infra	Check connectivity to the configured AAA server.
DMI-3-CDB_ABORT_FAIL	3-Error	AAA Confd o error has timed out attempting to abort a transaction.	AAA Confd o error has timed out attempting to abort a transaction.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-CDB_READ_FAIL	3-Error	AAA Confd o error has timed out attempting to read a specific model path from the DMI data store.	AAA Confd o error has timed out attempting to read a specific model path from the DMI data store.	ddmi-infra	Download the model in question from the network element and verify the path exists. Update the model if needed.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-3-CLI_ENGINE_CONNECT_LOSS	3-Error	DDMI has lost connection to the network element.	ddmi-infra	No action necessary.
DMI-3-CLI_ENGINE_EVENT_FAIL	3-Error	DDMI cannot retrieve its CLI engine event in order to interact with the network element CLI parser.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-CLI_ENGINE_LOG_LVL_FAIL	3-Error	DDMI cannot set its CLI engine logging level.	ddmi-infra	Stop and restart DMI.
DMI-3-CLI_ENGINE_POLL_FAIL	3-Error	DDMI cannot read its CLI engine results in order to interact with the network element CLI parser.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration. If problem continues, stop and restart netconf-yang

Facility-Severity-Mnemonic	Severity-Mnemonics	Message-Explanation	Component	Recommended-Action
DMI-3-CLI_ENGINE_READ_EVENT_FAIL	3-Error	DDMI cannot read its CLI engine event. In order to interact with the network element CLI parser.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration. If problem continues, stop and restart netconf-yang
DMI-3-CLI_ENGINE_READ_FAIL	3-Error	DDMI cannot read its CLI engine. Results in order to interact with the network element CLI parser.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-CLI_ENGINE_RECONNECT_FAIL	3-Error	The CLI engine has lost its connection to the network element and attempted to reconnect with an error occurred.	ddmi-infra	Stop and restart netconf-yang.
DMI-3-CLI_ENGINE_TOKEN_RETRY	3-Error	When OSP-client connects to OSP-server, it is not authenticated by a session authentication token. The token is not available yet. Retry is made to retrieve the token.	ddmi-infra	None required

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-3-CLI_ENGINE_VTY_CREATE_FAIL	3-Error	enThe DMI CLI engine cannot create a VTY instance. a VTY is : H	ddmi-infra	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.
DMI-3-CLI_ENGINE_VTY_OPEN_FAIL	3-Error	enThe DMI CLI engine cannot open a VTY. o t no a VTY : H	ddmi-infra	Free up available VTY resources by closing unused VTYS. Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration. If problem continues, stop and restart netconf-yang
DMI-3-CLI_ENGINE_VTY_TIMEOUT_FAIL	3-Error	enDMI Disables the VTY timeout for the network element synchronizer's VTY connection to ensure its number cannot be silently claimed by other VTY sessions.	ddmi-infra	None required
DMI-3-CLI_ENGINE_WRITE_FAIL	3-Error	enA CLI engine error occurred : While send a command line to the network element's CLI parser	ddmi-infra	Enter the command line in question manually via the network element's console or vty. If successful, stop and restart netconf-yang and retry.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
DMI-3-CLI_GEN_FAIL	3-Error	dmcli	A Confd o terror has e occurred I When e requesting t the CLI h change set f for a t transaction.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-DIFF_FAIL	3-Error	dmcli	An g operating f file f system error d occurred h while - performing h a diff of two s files and r redirecting t to a third f file.	ddmi-infra	Check free space on device. Clean up if necessary. Also, reducing the value of max-diag-messages-saved in the cisco-ia model may help.
DMI-3-DIR_EXISTS	3-Error	dmcli	M existing s file is y conflicting t with a s directory t name. s i t on a y	ddmi-infra	Remove or rename the offending file.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-3-EDIT_REJECTED	3-Error	<p>ehA KON NETCONF gm running cst datastore t edit request t occurred m simultaneously n with a , database r synchronization , operation. a i Thus, the t request has s been c rejected.</p> <p>el w a n m f ent ccl n o t ent KON gm cst s av n i sp ehT t ic t s av c c R ent t ic t n w ent n n s ah c</p>	ddmi-infra	Retry the NETCONF edit again later.

Facility-Severity-Mnemonic	Severity	Message	Msg Extn	Component	Recommended-Action
DMI-3-INIT_SYNC_FAIL	3-Error	DDMI failed to synchronize the network element's running configuration with the DMI data store upon DMI startup.		ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-INTERNAL_ERROR	3-Error	An unexpected internal error has occurred.		ddmi-infra	Consult man page for impacted area to interpret the error code and string.
DMI-3-INVALID_PRESERVE_PATH	3-Error	A non-existent XPath has been specified to be preserved during configuration complete .s syncs.		ddmi-infra	Remove the offending path from the /native/cisco-ia/preserve-ned-path list.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-3-INVALID_REG_EXP	3-Error	<p>err: Invalid regular expression has been specified which will not compile.</p> <p>err: Invalid regular expression has been specified which will not compile.</p>	ddmi-infra	Remove the offending regular expression from the specified model or via "no CLI".
DMI-3-LOAD_SCHEMAS_FAIL	3-Error	<p>err: DMI failed to load ConfD schemas for yang model namespaces.</p> <p>err: DMI failed to load ConfD schemas for yang model namespaces.</p>	ddmi-infra	Back out any recent yang model updates. Stop and restart netconf-yang.
DMI-3-MAAPI_APPLY_TRANS_FAIL	3-Error	<p>err: A ConfD error has occurred attempting to apply a transaction via MAAPI.</p> <p>err: A ConfD error has occurred attempting to apply a transaction via MAAPI.</p>	ddmi-infra	Stop and restart netconf-yang.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-3-MAAPI_LOAD_FAIL	3-Error	dmi Confd o terror has do occurred attempting to load o commands to a model h path via MAAPI. aiv IND IPM H :X .H	ddmi-infra	Stop and restart netconf-yang.
DMI-3-MAAPI_LOAD_FILE_FAIL	3-Error	dmi Confd o terror has do occurred attempting to load a commands from a file in a MAAPI. H :X .H	ddmi-infra	Stop and restart netconf-yang.
DMI-3-MAAPI_LOCK_FAIL	3-Error	dmi Confd o terror has lo occurred attempting to lock the dmi data store via a MAAPI. IND IPM H :X .H	ddmi-infra	Stop and restart netconf-yang.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
DMI-3-MAAPI_SAVE_FAIL	3-Error	dlcA Confd t error has e occurred l attempting h to save a T model path o via MAAPI. d if a iv IND IPM SI SI SI	ddmi-infra	Stop and restart netconf-yang.	
DMI-3-MAAPI_START_TRANS_FAIL	3-Error	dlcA Confd t error has t occurred IND attempting IPM start a n transaction s via MAAPI. SI SI SI	ddmi-infra	Stop and restart netconf-yang.	
DMI-3-MAAPI_START_USER_FAIL	3-Error	dlcA Confd t error has t occurred IND attempting IPM start a r user session s via MAAPI. SI SI SI	ddmi-infra	Stop and restart netconf-yang.	
DMI-3-MAAPI_UNLOCK_FAIL	3-Error	dlcA Confd o error has l occurred h attempting R to unlock g the DMI a data store s via MAAPI. a iv IPM SI SI SI SI	ddmi-infra	Stop and restart netconf-yang.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
DMI-3-MEM_UNAVAIL	3-Error	ydmi-3-mem-unavail	Insufficient system memory is available to perform the DMI action.	ddmi-infra	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.
DMI-3-MODEL_RESTORE_FAIL	3-Error	ydmi-3-model-restore-fail	DDMI failed to restore the model contents from the network element's running configuration to the DMI local data store.	ddmi-infra	Check the netconf-yang section of the network element's running configuration. If populated with non-default values, stop and restart netconf-yang. If problem continues, restore the model's configuration in question via Netconf

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
DMI-3-NETCONF_KILL_SESSION	3-Error	NETCONF parser has occurred, and DMI has killed the corresponding NETCONF session.	ddmi-infra	Establish a new NETCONF session. Adjust your application to hold global locks for a shorter interval -- seconds, not minutes
DMI-3-NETCONF_SSH_ERROR	3-Error	SSH error message from the NETCONF SSH daemon.	ddmi-infra	Not applicable
DMI-3-SAVE_FAIL	3-Error	An operating system error occurred while opening or writing to a diagnostic file.	ddmi-infra	Check free space on device. Clean up if necessary. Also, reducing the value of max-diag-messages-saved in the cisco-ia model may help.
DMI-3-SYNC_CLI_FILTER_ADD_FAIL	3-Error	DDMI cannot add a CLI filter to monitor for external CLI changes.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
DMI-3-SYNC_CLI_FILTER_CREAT_FAIL	3-Error	ddmi cannot create a CLI filter to monitor for external CLI changes.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.	
DMI-3-SYNC_CLI_FILTER_MODE_FAIL	3-Error	ddmi cannot set the mode for its CLI filter to monitor for external CLI changes.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.	
DMI-3-SYNC_ERR	3-Error	An attempt to send the running-config to ConfD to repopulate its data store has failed.	ddmi-infra	Identify the offending CLI that makes the sync fail and delete it from the configuration.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
DMI-3-SYNC_FAIL	3-Error	n	An external change of (outside of NETCONF editor RESTCONF) has been detected. An attempt to Send the running-config to Confd to repopulate salts data store has failed.	ddmi-infra	Force a full sync via the 'sync-from' RPC.
DMI-3-SYNC_LOCK_FAIL	3-Error	d	A Confd error has occurred attempting to lock the DMI data store via MAAPI. v IPM H X H	ddmi-infra	Stop and restart netconf-yang.
DMI-3-SYNC_MODULE_CHECK_ADD_FAIL	3-Error	d	DMI cannot add a module up check to monitor for module up status. H	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-SYNC_OIR_FILTER_ADD_FAIL	3-Error	d	DMI cannot add an OIR filter to monitor for OIR induced configuration changes. H	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.

Facility-Severity-Mnemonic	Severity	Message	MsgType	Component	Recommended-Action
DMI-3-SYNC_OIR_FILTER_CREAT_FAIL	3-Error	DDMI cannot create an OIR filter to monitor for OIR induced configuration changes.	DDMI	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-SYNC_SYSLOG_FILTER_ADD_FAIL	3-Error	DDMI cannot add a syslog filter to monitor for external CLI changes.	DDMI	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-SYNC_SYSLOG_FILTER_CREAT_FAIL	3-Error	DDMI cannot create a syslog filter to monitor for external CLI changes.	DDMI	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration.
DMI-3-SYNC_UNLOCK_FAIL	3-Error	DDMI Confd error has occurred attempting to unlock the DMI data store via MAAPI.	DDMI	ddmi-infra	Stop and restart netconf-yang.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
DMI-3-VTY_NUM_FAIL	3-Error	DDMI must did keep track of its tty in number it saves to send your command lines to the network element's lexer parser in order to avoid triggering its own sync events	ddmi-infra	Check that the 'show users line' command line is working	
DMI-3-VTY_SERVER_CREAT_FAIL	3-Error	Failed to create VTY server utility instance for DDMI operational data use.	ddmi-infra	Stop and restart netconf-yang.	
DMI-3-VTY_SERVER_START_FAIL	3-Error	Failed to start VTY server utility instance for DDMI operational data use.	ddmi-infra	Stop and restart netconf-yang.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
DMI-4-CANDIDATE_DATASTORE_DIRTY	4-Warning	dmf	Configuration file is performed from the gmdOS terminal or while the candidate datastore gmd has s uncommitted dm configuration. cdf The system cannot perform sync until s the y configuration t on the r @datastore is d either e committed d or d discarded.	INVALID	Commit or discard the configuration in the candidate datastore in order for the sync to proceed.

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
DMI-4-CDB_MAINTENANCE_MODE	4-Warning !!! -Cisco-support BD Only NETCONF Mode has S been M enabled as a -recovery mechanism s if ed out-of-sync s condition. dm y to rof as C tus - t i t sm e b dis rof km RON ntp	ddmi-infra	Disable this mode in order to return the device to normal NETCONF operation.
DMI-4-CLI_ENGINE_ENABLE_FAIL	4-Warning en Enter I Privileged mode when discommunicating o with the en network element's CLI parser. s I C rsp en en) en X H	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration. Check AAA settings for the Netconf/Restconf user account.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
DMI-4-CLI_ENGINE_RC_FAIL	4-Warning	DDMI cannot read CLI Engine error return code for the particular command.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration. If problem continues, stop and restart netconf-yang
DMI-4-CLI_ENGINE_STATE_FAIL	4-Warning	DDMI cannot read its CLI engine state.	ddmi-infra	Perform a manual sync operation to ensure the DMI data store is in sync with the network element's running configuration. If problem continues, stop and restart netconf-yang
DMI-4-CLI_LOCK_FAIL	4-Warning	An IOS parser error has occurred while attempting to obtain a configuration parser lock.	ddmi-infra	Retry NETCONF operation.
DMI-4-CLI_LOCK_OVERRIDE	4-Warning	An IOS parser lock has been cleared to avoid conflict with NETCONF session.	ddmi-infra	Retry CLI operation after NETCONF session completes.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message	Component	Recommended-Action
DMI-4-CLI_ROLLBACK_WARN	4-Warning	11A Confd An induced CLI transaction was aborted and during the rollback CLIs, an error was returned	ddmi-infra	Confirm that the network element's running configuration is in the original state before the failed transaction
DMI-4-CLI_UNLOCK_FAIL	4-Warning	4A An IOS parser error has occurred attempting SO to unlock the parser lock.	ddmi-infra	Retry NETCONF operation.
DMI-4-CONFD_ROLLBACK_WARN	4-Warning	4A An error occurred saving the ConfD rollback information.	ddmi-infra	Please enable rollback in ConfD. Check for free file system space.
DMI-4-CONTROL_SOCKET_CLOSED	4-Warning	4A The control socket connection to ConfD has closed unexpectedly.	ddmi-infra	DMI will reset. No action necessary.
DMI-4-DIAG_WARN	4-Warning	4A An error occurred saving DMI diagnostics. of diagnostics.	ddmi-infra	Check for free file system space.
DMI-4-NETCONF_TRACE_WARN	4-Warning	4A An error occurred saving the Netconf trace information.	ddmi-infra	Please enable netconfTraceLog in ConfD. Check for free file system space.

Facility-Severity-Mnemonic	Security Rating	Message	Component	Recommended-Action
DMI-4-RUNNING_DATASTORE_VALID	4-Warning	Running datastore is invalid after successful full-sync operation.	INVALID	Rollback configurations using rollback-files RPC to bring device into well known state.
DMI-4-SUB_READ_FAIL	4-Warning	Confid error has occurred attempting to read the subscription socket.	ddmi-infra	DMI will reset. No action necessary.
DMI-5-ACTIVE	5-Notice	suprocess is in steady state.	ddmi-infra	Informational only. No action required.
DMI-5-AUTHENTICATION_FAILED	5-Notice	user failed to authenticate.	ddmi-infra	No action is required.
DMI-5-AUTHORIZATION_FAILED	5-Notice	user was not authorized for the requested service.	ddmi-infra	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explan	Component	Recommended-Action
DMI-5-AUTH_PASSED	5-Notice	re	A user Authenticated successfully for a service. ro ro ro ro ro ro ro ro	ddmi-infra	No action is required.
DMI-5-CONFIG_I	5-Notice	co	A change to the running configuration was performed using NETCONF or RESTCONF.	ddmi-infra	Informational only. No action required.
DMI-5-INITIALIZED	5-Notice	su	process has initialized. an	ddmi-infra	Informational only. No action required.
DMI-5-NACM_INIT	5-Notice	MA	The running-config under the nacm tree has been set to its initial configuration. an an	ddmi-infra	No action is required.
DMI-5-NACM_READRULES	5-Notice	MA	NACM rules to permit read-only access loaded successfully. an	ddmi-infra	No action is required.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Text	Component	Recommended-Action
DMI-5-RESET	5-Notice	sdprocess in internal state has reset. .	ddmi-infra	Informational only. No action required.
DMI-5-SYNC_COMPLETE	5-Notice	ehAn external gchange noutside of sNETCONF redor dRESTCONF) o has been ehdetected; KThus, the grunning-config atahas been asent to Conf to repopulate its data store.	ddmi-infra	Informational only. No action required.
DMI-5-SYNC_NEEDED	5-Notice	nA cconfiguration gchange that gmay trigger nadditional cchanges has dbeen -detected; . Thus, the ehTunning-config gwill be sent nfo Conf to lrepopulate e its data dstore. o t ent K g ata as	ddmi-infra	Informational only. No action required.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
DMI-5-SYNC_START	5-Notice	inf An external f change ent (outside of g NETCONF n for o (RESTCONF) ent has been R Detected; g thus, the a atunning-config e s will be sent s al to Confd to c r repopulate its data store.	ddmi-infra	Informational only. No action required.
DMI-6-NETCONF_SSH_INFO	6-Information	SA n s informational message from the NETCONF SSH daemon.	ddmi-infra	Not applicable
DMI-7-GEN_DEBUG	7-Debug	IN A debug G message for B syslog B consumption. B For troubleshooting wihtout btrace	ddmi-infra	Not applicable
DOT11_LOG-3-CLIENT_DOT11_ERROR	3-Error	n General n Client B Dot11 Error B Message.	ewlc-client	LOG_STD_ACTION
DOT1X-3-PROC_START_ERR	3-Error	x The system e failed to o create the r Dot1x process.	polaris-smd	Restart Dot1x process by entering <code>dot1x system-auth-control</code> command. If this message recurs, Reload the device.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
DOT1X-3-UNKN_ERR	3-Error	n	The Dot1x process cannot operate due to an internal system error.	polaris-smd	Reload the device/process
DOT1X-4-INFO_EAPOL_PING_RESPONSE	4-Warning	eh	An EAPOL ping was sent out on this port to determine if the client is attached. An EAPOL response has been received by the device such as a PC.	polaris-smd	No action required.
DOT1X-4-MEM_UNAVAIL	4-Warning	ym	Insufficient system memory is available to perform the Dot1x Authentication.	polaris-smd	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Facility-Severity-Mnemonic	Severity-Mnemonic	Message-Explanation	Component	Recommended-Action
DILS_AUDIT_MESSAGE6HPS_AUDIT_CS_DILS_EXT2_DILS_REPLAY_ATTACK	6-Information	DTLS Replay Attack for -connection closed ydr letA rof no cdc	ewlc-ap	LOG_STD_ACTION
DILS_AUDIT_MESSAGE6HPS_AUDIT_CS_DILS_EXT2_DILS_REPLAY_ATTACK_DETECTED	6-Information	DTLS Replay Attack -detected for Source IP And Dest IP ydr letA cdc rof cdc P I letA dna tse P I letA	ewlc-ap	LOG_STD_ACTION
DILS_AUDIT_MESSAGE6HPS_AUDIT_FPT_IIT_1_DILS_SESSION_CLOSED	6-Information	DTLS Connection Established -with peer STD rep sah cdc ent no cdc letA	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Extn	Component	Recommended-Action
DILS_AUDIT_MESSAGE-6-PTIT1_DILSSON_ESTABLISHED	6-Informational	DTLS connection established with peer		ewlc-ap	LOG_STD_ACTION
DILS_AUDIT_MESSAGE-6-PTIT1_DILSSON_HANDSHAKE_FAILURE	6-Informational	Failed to complete DTLS handshake with peer		ewlc-ap	LOG_STD_ACTION
DTLS_TRACE_MSG-3-WLC_DTLS_ERR	3-Error	General Wlc Error Message.		ewlc-ap	LOG_STD_ACTION
DTLS_TRACE_MSG-3-X509_CERT_VERIFY_ERR	3-Error	General Wlc Error Message.		ewlc-ap	LOG_STD_ACTION
EAP-2-PROCESS_ERR	2-Critical	This is a critical condition where the router could not perform EAP process related operation.		polaris-smd	Review SM logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log. Reload the device/process.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
EAP-3-BADPKT	3-Error	This message informs that the router received an invalid or malformed EAP packet from the specified host.	polaris-smd	Check specified host for EAP operation.
EAP-6-FIPS_UNSUPPORTED_METHOD	6-Information	This message informs that a method is not supported in S mode.	polaris-smd	Use FIPS supported methods - PEAP, TLS and FAST
EAP-6-MPPE_KEY	6-Information	This message informs that the router received MPPE KEY for the specified host.	polaris-smd	No action is required.
EMD-0-EVENT_LIBRARY	0-Emergency	An event to facility initialization or maintenance function failed. This error could be due to a software defect or system resource limitation.	ios-chassis	Restart the card.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
EMD-0-RESOLVE_FRU	0-Emergency	00000000	The system was unable to determine a card state. This error could be due to a software defect or system resource limitation.	iosx-chassismgr	Restart the card.
EMD-0-SERVICES_INITIALIZATION	0-Emergency	00000000	The system failed to initialize the application services. This error could be due to a software defect or system resource limitation.	iosx-chassismgr	Restart the card.
EMD-3-IDPROM_ACCESS	3-Error	00000000	The system failed to access an IDPROM or an IDPROM process failed. This error can occur from a hardware defect, software defect, or incorrect IDPROM content.	iosx-chassismgr	Examine the logs for IDPROM and hardware errors.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
EMD-3-IDPROM_SENSOR	3-Error	em3idp	One or more IDPROM sensor fields failed to parse properly. The most likely reason is a checksum failure in the IDPROM content.	iosv-chassis-gr	Examine the logs for IDPROM and hardware errors.
EMD-3-PFU_INITIALIZATION	3-Error	em3pfu	The route Processor (RP) failed to initialize a power supply or a fan module controller. This error should be caused by a hardware defect or a C2W access failure.	iosv-chassis-gr	Examine the logs for C2W and hardware errors.
EMD-3-SENSOR_INITIALIZATION	3-Error	em3sen	The system failed to initialize an IDPROM sensor monitoring process. This error can occur from a hardware defect, software defect, or incorrect IDPROM content.	iosv-chassis-gr	Examine the logs for IDPROM and hardware errors.

Facility-Severity-Mnemonic	Severity-Mnemonic-Message-Explanation	Component	Recommended-Action
EPM-4-ACL_CONFIG_ERROR	4-Warning LCA This message indicates that adding an ACE to the specified ACL was ignored because of wrong configuration	polaris-smd	Change ACE configuration for the specified ACL
EPM-4-POLICY_APP_FAILURE	4-Warning y This message indicates that the policy for the client could not be applied by the EPM of	polaris-smd	Policy application failure could happen due to multiple reasons. The reason for the failure is notified to the client and the client has to take appropriate action based on it
EPM-6-AAA	6-Information X This message indicates a download request has been sent/downloaded successfully for the specified ACL	polaris-smd	No action required

Facility-Severity-Mnemonic	Security Rating	Message Explanation	Component	Recommended Action
EPM-6-AUTH_ACL	6-Information	This message indicates a TNAUTHDEFACL has been applied or removed	polaris-smd	No action required
EPM-6-IPEVENT	6-Information	This message indicates the IIP event has occurred with respect to the specified host	polaris-smd	No action required
EPM-6-POLICY_APP_SUCCESS	6-Information	This message indicates that the policy for the client has been successfully applied by the EPM of	polaris-smd	No action required
EPM-6-POLICY_REQ	6-Information	This message indicates that a policy request has been received by the EPM	polaris-smd	No action required

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
EPM_PLUGIN-5-ERR_HS20_URLFILTER_NOT_CONFIGURED	5-Notice	An attempt was made to deactivate the post-auth Hotspot 2.0 url filtering on the 0.2 client, as requested by the Radius server but no urlfilter n_dist name was configured on the wireless client hotspot anqp-server linked with the wireless policy profile.	ewlc-spwifi	Make sure a valid urlfilter list name is configured under the wireless hotspot anqp-server profile linked with the wireless policy profile
EPM_PLUGIN-5-ERR_VLAN_NOT_FOUND	5-Notice	An attempt was made to assign a new VLAN to an 802.1x port, but the VLAN was not found in the VTP database.	polaris-smd	Make sure the VLAN exists and is not shutdown or use another VLAN.
EPM_PLUGIN-5-IGNORED_VLAN_VALIDATION	5-Notice	Either the client is configured for export-foreign or fallback-vlan CLI is configured.	polaris-smd	Check if fallback-vlan is configured or if the client is export foreign. In such a case, no action needs to be taken.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
EPM_PLUGIN-5-PRINT_SEQUENCE	5-Notice	Every ECA0000th ACE and its rofACL name LC printed to H indicate the ACEs being created.	polaris-smd	Please check that the ACE count matches the configured ACE count.
EPM_PLUGIN-5-VLAN_ASSIGN	5-Notice	The syslog indicates that the rofVlan was assigned to the client ht w ra V d i : cl n o cl : H B-SN s i H	polaris-smd	No action is required.
EPM_PLUGIN-6-STICKY_TIMER_START	6-Informational	Log is used to notify the f start of the sticky timer s d ro c am H cl H ro c am H	polaris-smd	Sticky timer has begun. No action needs to be taken.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
EPOCH-6-EPOCH_REJECTED	6-Informational	iosxe-shellmgr	This error occurs if an epoch from the shell-manager has been rejected by the peer.	iosxe-shellmgr	Check the epoch and peer state.
EVUTIL-3-PERMISSION	3-Error	iosxe-binutils	ld: eventlib has detected that the process ro has attempted to ld: invoke an ld: API that is ld: listed as having a level of permission.	iosxe-binutils	Review the process logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtool.html . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techass or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Sym	Component	Recommended-Action
EVUTIL-3-PREREQUISITE_INIT	3-Error	Eventlib has detected that the preferred library which provides infrastructure services has failed to fully initialize.	iosxe-binos-utils	Review the process logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/BugToolbox . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/infocenter/tac or contact your Cisco technical support representative and provide the representative with the gathered information.	
EVUTIL-6-PREREQUISITE	6-Informational	Eventlib has detected that the preferred library is missing from the process.	iosxe-binos-utils	This is an informational message.	
EWLC_HA_LIB_MESSAGE-3-BULK_SYNC_STATE_ERR	3-Error	Bulk sync status Error message. TERMINATED :- Bulk-sync terminated	ewlc-ha	LOG_STD_NO_ACTION	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
EWLC_HA_LIB_MESSAGE-3-WIRELESS_CONFIG_SYNC_FAIL	3-Error	Wireless config sync complete!	Switchover happens before wireless config sync complete!	ewlc-ha	LOG_STD_ACTION
EWLC_HA_LIB_MESSAGE-6-BULK_SYNC_STATE_INFO	6-Information	Bulk sync status INFO message.	Bulk sync status INFO message. COLD - Bulk-sync ongoing. CONFIG_DONE - critical DB sync complete. WARM - Most of the DB's synced. HOT - Bulk-sync completed	ewlc-ha	LOG_STD_NO_ACTION
EWLC_INFRA_MESSAGE-3-EWLC_EVENTHOG	3-Error	System has detected an excessive number of sub-events. Normal WLC functionality may be impacted.	System has detected an excessive number of sub-events. Normal WLC functionality may be impacted.	ewlc-app-infra	LOG_STD_ACTION
EWLC_INFRA_MESSAGE-3-EWLC_GEN_ERR	3-Error	General ewlc Error Message.	General ewlc Error Message.	iosxc-binos-utils	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
EWLC_INFRA_MESSAGE-4-EWLC_CAC_WARNING_MSG	4-Warning	UPCPU utilization for the process has breached the monitored level, some functionality may be impacted. If the condition persists, action may be needed.	ewlc-ap	If the condition is transient and does not occur frequently, these messages can be ignored otherwise an investigation is needed. LOG_STD_ACTION	
EWLC_INFRA_MESSAGE-6-EWLC_CAC_INFO	6-Information	UPCPU utilization for the process has recovered below the monitored level	ewlc-ap	LOG_STD_NO_ACTION	
BMCUTILITYALDI_MESSAGESALDI_CSKM1WP2NUTCOLARGE	3-Error	Failed to compute PRF mode because of input is too large	iosxe-binos-utils	LOG_STD_RECUR_ACTION	

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
EMC_UTILS_AUDIT_MESSAGE_HS_AUDIT_CSKM1_WP2_NVALD_MODE	3-Error	re	Failed to compute PRF mode because of invalid mode etc. FRP edon , ezis) - di edon	iosxe-binos-utils	LOG_STD_RECUR_ACTION
EMC_UTILS_AUDIT_MESSAGE_HS_AUDIT_CSKM1_WP2_OUTPUT_BUFFER_SMALL	3-Error	re	Failed to compute PRF mode because of output buffer is too small etc. FRP edon , ezis) - no rib si oot la	iosxe-binos-utils	LOG_STD_RECUR_ACTION
EZMAN_CLIENT-2-ECC_DOUBLE_BIT_ERROR	2-Critical	el	CC error t observed on CC The NP some device.Reset the NP Device. CC() ac si gig ot eb dr ot ur	asr1k-ether-lc	This error is usually self-correcting. If the problem persists, the CC card/hardware may need to be replaced.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
EZMAN_CLIENT-3-ECC_SINGLE_BIT_ERROR	3-Error	errECC error t observed on CCE the NP m device. Reset the NP Device.	asr1k-ether-lc	This error is usually self-correcting. If the problem persists, the MIP100 hardware may need to be replaced.	
EZMAN_CLIENT-3-OBJECT_FAIL	3-Error	errBringup of o the NP by the m has failed in EZMAN. errThis can be due to any software failures and can be a serious error	asr1k-ether-lc	Restart the Linecard.	
EZMAN_CLIENT-3-VLAN_STATS_ERR	3-Error	errNP VLAN Statistics Error. err err err err err err	asr1k-ether-lc	Continuous MSG of these Events, Trigger the reboot of the system	
EZMAN_CLIENT-5-EZ_CLIENT_VLAN_FULL	5-Notice	MCRx Sync Failed for M Interlaken, s iStatus Timer toExpired. So, errResetting o the Rx doInterlaken Core	asr1k-ether-lc	No user action is required.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended Action
EZMAN_INFRA-3-PLATFORM_ID_ERR	3-Error	HW Part Number and Revision read from the ID PROM are not showing up expected values which means the ID PROM is either corrupted or incorrectly programmed.		asr1k-ether-lc	Possible Hardware issue. Change the hardware.
EZMAN_RM-2-FPGA_VERSION_CHECK_ERR	2-Critical	Castor FPGA version requirement not met. Minimum required version is 3.0.0.0. Minimum required version is 3.0.0.0.		asr1k-ether-lc	Copy the message exactly as it appears on the console or in the system log, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Component	Recommended-Action
EZMAN_RM-2-SEM_ERR	2-Critical	<p>Single Event Upset (SEU) event has occurred. These events may occur at any point of time, but are considered to be rare.</p>	asr1k-ether-lc	If the error is seen only once, there is no need for anything to be done. If these errors are appearing continuously/persistently, please copy over the logs as they appear in the console, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.
EZMAN_RM-3-L2_BLOCK_EVENT	3-Error	<p>2 INP of L2 is generating the Events.</p>	asr1k-ether-lc	Continuous MSG of these Events, Trigger the reboot of the system
EZMAN_RM-3-SERDES_AUTOTUNE_FAIL	3-Error	<p>SNP5 Serdes on RX is unable to autotune to the peer device's TX. This is a physical layer issue between NP5 and peer device.</p>	asr1k-ether-lc	ROIR the Host-card if possible.

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Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FED-0-HWSTALL	0-Emergency		ASIC [dec] CORE [dec] Packet Buffer Complex Stalled. Switch will be reloaded\n	The specified asic/core packet buffer complex stalled. This is a critical error. This switch will reload. If there is a redundant switch, switch over will happen	platform	No action is required
FED-2-INIT_FAILED	2-Critical		Module [chars] failed initialization\n[chars]	The specified module failed initialization. The switch will reload.	platform	No action is required
FED3_EPC_ERRMSG-4-UNSUPPORTED	4-Warning		EPC on interface [chars] is not supported.To recover, Stop the capture.\n	Unsupported configuration.	INVALID	Stop the capture on %s interface.\n

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
FED3_L3M_SYS_MSG-3-RSRC_IPv4_ERR	3-Error	Failed to allocate the hardware resource for ipv4 multicast entry. Use \show platform software fed [switch] <module> ip multicast retry mroute' for details.	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED3_L3M_SYS_MSG-3-RSRC_IPv6_ERR	3-Error	Failed to allocate the hardware resource for ipv6 multicast entry. Use \show platform software fed [switch] <module> ipv6 multicast retry mroute' for details.	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED3_L3M_SYS_MSG-6-RSRC_Recovered	6-Information	Failed Multicast hardware resources recovered. Multicast replication will be operational again.	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED3_L3_ERRMSG-3-L3_FIB_OUT_OF_RESOURCE	3-Error	Failed to program [chars] fib [chars]/[dec] in NPU due to out of resource\n	Running out of Hardware resource to support the scale of this L3 FIB feature.	INVALID	Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform software fed active ip/ipv6 route summary
FED3_L3_ERRMSG-3-L3_PORT_OUT_OF_RESOURCE	3-Error	Failed to program port [chars] in NPU due to out of resource\n	Running out of Hardware resource to support the scale of the L3 Port feature.	INVALID	Verify supported scale for the platform from sdm and reduce the L3 Port scale accordingly. Capture show platform hardware fed active fwd-asic resource utilization
FED3_L3_ERRMSG-3-UNSUPPORTED_ACTION	3-Error	ERROR:[chars] Additionally, please remove this command from the interface config mode.\n	The specified action is not supported on this platform.	INVALID	Find out more about this unsupported functionality from the release documents and remove the command from the interface config mode
FED3_L3_ERRMSG-6-ADVISORY_NOTICE	6-Information	Advisory Notice: [chars] \n	This message is to bring attention to the user about certain capabilities and limitations of a feature.	INVALID	No action is needed. Please be mindful of the limitations.
FED3_MPLS_ERRMSG-3-mpls_unsupported_feature	3-Error	Unsupported feature. Failed to program. [chars] in software or hardware\n	The feature is not yet supported.	INVALID	Find out more about this unsupported feature from the release documents and remove the command from the interface config mode

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg	Component	Recommended-Action
HED3_MPLS_ERRMSG4MPLS_L2VPN_ATOM_DISP_PAUSE	4-Warning		Critical limit reached for [chars] resource. MPLS L2VPN ATOM_DISP Create PAUSED.\n	MPLS L2VPN ATOM_DISP creations are paused as needed not (not in error message) are not available so new entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls routes summary, team utilization and resource utilization
HED3_MPLS_ERRMSG4MPLS_L2VPN_ATOM_IMP_PAUSE	4-Warning		Critical limit reached for [chars] resource. MPLS L2VPN ATOM_IMP Create PAUSED.\n	MPLS L2VPN ATOM_IMP creations are paused as needed not (not in error message) are not available so new entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls routes summary, team utilization and resource utilization

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FED3_MPLS_ERRMSG-4-MPLS_L2VPN_XCON_AC_PAUSE	4-Warning		Critical limit reached for [chars] resource. MPLS L2VPN XCON_AC Create PAUSED.\n	MPLS L2VPN XCON_AC creations are paused as needed exceeding in error message) are not available so new entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls routes summary, team utilization and resource utilization
FED3_MPLS_ERRMSG-4-MPLS_LABEL_PAUSE	4-Warning		Critical limit reached for [chars] resource. MPLS Label Create PAUSED.\n	MPLS Label OCE creations are paused as needed exceeding in error message) are not available so new entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls routes summary, team utilization and resource utilization

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
FED3_MPLS_ERRMSG-4-MPLS_LENTRY_PAUSE	4-Warning	Critical limit reached for [chars] resource. Lentry Create PAUSED.\n	MPLS Lentry creations are paused as needed resources (mentioned in error message) are not available so new label entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls summary, team utilization and resource utilization
FED3_MPLS_ERRMSG-4-mpls_out_of_resource	4-Warning	Out of resource for MPLS [chars]. Failed to program [chars] in hardware\n	Running out of Hardware resource to support the scale of this MPLS feature.	INVALID	Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls summary, team utilization and resource utilization
FED3_MPLS_ERRMSG-6-MPLS_L2VPN_ATOM_DISP_RESUME	6-Information	[chars] resources are now available. MPLS L2VPN ATOM_DISP Create RESUMED.\n	MPLS L2VPN ATOM_DISP creations are resumed. Now new entries can be programmed in HW.	INVALID	No action needs to be taken.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED3_MPLS_ERRMSG-6-MPLS_L2VPN_ATOM_IMP_RESUME	6-Information	[chars] resources are now available. MPLS L2VPN ATOM_IMP Create RESUMED.\n	MPLS L2VPN ATOM IMP creations are resumed. Now new entries can be programmed in HW.	INVALID	No action needs to be taken.
FED3_MPLS_ERRMSG-6-MPLS_L2VPN_XCON_AC_RESUME	6-Information	[chars] resources are now available. MPLS L2VPN XCON_AC Create RESUMED.\n	MPLS L2VPN XCON_AC creations are resumed. Now new entries can be programmed in HW.	INVALID	No action needs to be taken.
FED3_MPLS_ERRMSG-6-MPLS_LABEL_RESUME	6-Information	[chars] resources are now available. MPLS Label Create RESUMED.\n	MPLS Label creations are resumed. Now new entries can be programmed in HW.	INVALID	No action needs to be taken.
FED3_MPLS_ERRMSG-6-MPLS_LENTRY_RESUME	6-Information	[chars] resources are now available. Lentry Create RESUMED.\n	MPLS Label entries creations are resumed. Now new label entries can be programmed in HW.	INVALID	No action needs to be taken.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
FED3_PUNJECT-6-PKT_CAPTURE_FULL	6-Information	Punject pkt capture buffer is full. Use show command to display the punted packets.\n	All the available punt capture buffers have been written with punted packets.	INVALID	No action is needed.
FED3_PUNJECT_CLI-6-EPDA_NU_TRAPS_DEBUGGING_WARNING	6-Information	Warning: Please note traps enabled in Enhanced Packet Drop Analyzer (EPDA) will share the counters in Enhanced Drop Detection(EDD) CLI. This will result in showing the same counter values for the trap(s) in EDD\n	When EPDA is enabled the counters will be shared by EDD while displaying EDD counters	INVALID	No action is needed.
FED3_PUNJECT_CLI-6-EPDA_TM_TRAPS_DEBUGGING_WARNING	6-Information	Warning: Enabling TM traps will affect Per VOQ counters. Please clear TM traps once drop-capture is completed\n	Enabling TM traps will affect per voq counters	INVALID	No action is needed.
FED3_QOS_ERRMSG-3-FED3_SERVICE_POLICY_FAILED	3-Error	Failed to apply service-policy.\n	An error occurred during service-policy installation in FED.	pangea-qos	Need to find the info from logs. Use "sh platform software trace message fed active" to find the logs

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
HED3_QOS_ERRMSG3HED3_SRMCE_POLICY_FAILED_REMOVE	3-Error	The policy [chars] on interface [chars] on [chars] direction is already in ERROR state. No action will be taken.\n	There was an error occurred early. No further action is taken until the policy removed and reattached.	pangea-qos	Remove the policy from the interface and reattach.
HED3_VLAN_MAPPING_ERRMSG3MAPPING_HW_ERROR	3-Error	Failed to update VLAN_MAPPING in hardware for interface [chars].\n	An error occurs when mapping VLAN.	polaris-l2	The resource limit would have been reached, remove the recent added vlan mapping configuration
HED3_VLAN_MAPPING_ERRMSG3VP_HW_ERROR	3-Error	Failed to add VP in hardware for interface [chars].\n	An error occurs when adding VP	polaris-l2	VP limit would have been reached, please remove the recent configuration
FED_CCK_ERRMSG4INCONSISTENCY_FOUND	4-Warning	Consistency Checker(CCK) detected inconsistency for [chars]. Check 'show consistency run-id [dec] detail'.	CCK has detected the inconsistency between the IOSD and fmanFP tables.	INVALID	Find out the entry using the show consistency <> command
HED_COND_DEBUG6COND_DEBUG_BOTH_V4_V6_ADDR_SET	6-Information	Failed to start, both v4 & v6 addr is set	Packet trace failed to start	debugging	No action is required
FED_COND_DEBUG6COND_DEBUG_INVALID_IN_FILE	6-Information	Failed to start, invalid file, not found	Packet trace failed to start	debugging	No action is required
FED_COND_DEBUG6COND_DEBUG_INVALID_PORT	6-Information	Failed to start, invalid Port, not found	Packet trace failed to start	debugging	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
FED_COND_DEBUG-6-COND_DEBUG_INVALID_SWITCH	6-Information	Failed to start, invalid Switch, not found	Packet trace failed to start	platform	No action is required
FED_COND_DEBUG-6-COND_DEBUG_MAC_NOT_SET	6-Information	Failed to start, for simulation packet generation src/dst mac is must	Packet trace failed to start	platform	No action is required
FED_COND_DEBUG-6-COND_DEBUG_MEMORY_ALLOC_FAIL	6-Information	Failed to start, memory allocation failed	Packet trace failed to start	platform	No action is required
FED_COND_DEBUG-6-COND_DEBUG_MULTIPLE_ACES	6-Information	Multiple entries found in provided ACL, common fields will get overlapped by later entries	Warning for acl having multiple aces	platform	No action is required
FED_COND_DEBUG-6-COND_DEBUG_NETWORK_PREFIX_NOT_SUPPORTED	6-Information	Failed to start, simulation needs full address, network prefix not supported	Packet trace failed to start	platform	No action is required
FED_COND_DEBUG-6-COND_DEBUG_SRC_AND_DST_ADDR_NOT_SET	6-Information	Failed to start, both src and dst addr is required	Packet trace failed to start	platform	No action is required
FED_COND_DEBUG-6-COND_DEBUG_START_FAIL	6-Information	Failed to start trace	Packet trace failed to start	platform	No action is required
FED_FNF_ERRMSG-3-ADVBASEATTACHERROR	3-Error	Unable to attach flow monitor or IP NBAR/Et-analytics to interface [chars]. Flow monitor and IP NBAR/Et-analytics are not allowed on the same interface.	The requested configuration is not allowed.	platform	Please try to modify your configuration.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED_FNF_ERRMSG-3-ATTACHERROR	3-Error	Failed to attach flow monitor to interface [chars].\n	An error occurs when attaching the flow monitor to the interface.	high_mng	Find out more about the error by using show mgmt-infra trace messages fed-fnf-config-error switch number command
FED_FNF_ERRMSG-3-DETACHERROR	3-Error	Failed to detach flow monitor from interface [chars]\n	Error occurs when detaching the flow monitor from the interface.	high_mng	Find out more about the error by using show mgmt-infra trace messages fed-fnf-config-error switch number command
FED_FNF_ERRMSG-3-FLOWMONITOR_ENABLEERROR	3-Error	'[chars]' enablement failed due to '[chars]' configuration present on interface [chars]. These features cannot co-exist.	The requested configuration is not allowed.	high_mng	Please try to modify your configuration.
FED_FNF_ERRMSG-3-REFMONITOR_ENABLEERROR	3-Error	Failed to enable [chars] [chars] Reflexive ACL on [chars] and traffic will be dropped; '[chars]' configuration present on interface.	The requested configuration is not allowed.	high_mng	Please try to modify your configuration.
FED_FNF_ERRMSG-3-REFMONITOR_FAILED	3-Error	Failed to enable [chars] [chars] Reflexive ACL on [chars] and traffic will be dropped; Netflow programming failed.	The requested configuration failed; traffic will be dropped on this interface.	high_mng	Find out more about the error with the help of FED logs

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
FED_FNF_ERRMSG-3-REFMONITOR_RSCFULL	3-Error	Failed to enable [chars] [chars] Reflexive ACL on [chars] and traffic will be dropped; Netflow profiles exhausted.	The requested configuration failed; traffic will be dropped on this interface.	platform	Remove the existing FNF/FNF based feature attachment and retry
FED_FNF_ERRMSG-3-SGTCATTACHERROR	3-Error	Detach the existing [chars] before attaching [chars] to interface [chars]. These features cannot co-exist.	The requested configuration is not allowed.	platform	Please try to modify your configuration.
FED_FNF_ERRMSG-6-NOTALLOWED	6-Information	[chars] is not allowed.\n	The requested configuration is not allowed.	platform	Please try to modify your configuration.
FED_FNF_ERRMSG-6-UNSUPPORTED	6-Information	[chars] is unsupported\n	The requested configuration is not supported.	platform	Please do not use the current configuration.
FED_IPC_MSG-5-FAST_RELOAD_COMPLETE	5-Notice	Fast reload operation complete	This is used to indicate that the fast reload is complete.	accsw-p-fsu	No action needed. This is not an error.
FED_IPC_MSG-5-xFSU_COMPLETE	5-Notice	Fast reload operation complete	This is used to indicate that the fast reload is complete.	accsw-p-fsu	No action needed. This is not an error.
FED_IPC_MSG-5-xFSU_NIF_DISABLE_START_TIME	5-Notice	NIF was DISABLED at [chars]	XFSU NIF Disable Timestamp	accsw-p-fsu	No action needed. This is not an error.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED_IPC_MSG-5-xFSU_NIF_ENABLE_START_TIME	5-Notice	NIF was ENABLED at [chars]	XFSU NIF ENABLE Timestamp	accsw-p-fsu	No action needed. This is not an error.
FED_IPC_MSG-5-xFSU_NIF_UPGRADE_TIME	5-Notice	NIF UPGRADE took [dec] milliseconds	XFSU NIF UPGRADE Time	accsw-p-fsu	No action needed. This is not an error.
FED_L2M_ERRMSG-3-COLLISION_LIST_RSRC_ERR	3-Error	Failed to allocate hardware resource for group [chars] - reason: [chars] - entry collided with groups: [chars] in hash	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_L2M_ERRMSG-3-RSRC_ERR	3-Error	Failed to allocate hardware resource for group [chars] - resource type: [chars] - reason: [chars]	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
FED_L2M_ERRMSG-3-VLAN_RSRC_ERR	3-Error	Failed to allocate hardware resource for vlan [dec] - resource type: [chars] - reason: [chars]	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_L3M_ERRMSG-3-RSRC_ERR	3-Error	Failed to allocate hardware resource for [chars] - rc:[chars]	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_L3M_ERRMSG-4-lsm_LB_warning	4-Warning	IGP load balance not supported for Label Switch Multicast. Configure 'no mpls mldp forward recursive' to disable	MPLS IGP load balance ECMP is not supported. Entries will be put into retry and once user disables the ECMP via CLI, LSM will recover	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FED_L3M_ERRMSG-4-lsm_RSRC_ERR	4-Warning		Failed to allocate the hardware resource for LSM(Label Switch multicast) entry, LSM replication will be impacted	Hardware resource allocation has failed and the entry will not be programmed. Entry will be in retry queue waiting for resources, once available LSM will recover	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_L3M_ERRMSG-4-lsm_label_warning	4-Warning		MPLS label range from [dec] to [dec] is not supported with Label Switch Multicast (LSM). Reconfigure 'mpls label range' accordingly.	MPLS range of upper 4k from 1M supported protocol value is reserved for LSM to use internally.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
FED_L3M_ERRMSG-4-lspvif_RSRC_ERR	4-Warning	Failed to allocate the hardware resource for Lspvif Adjacency, some of the LSM MDTs will be impacted	Hardware resource allocation has failed and the entry will not be programmed. Entry will be in retry queue waiting for resources, once available LSM MDTs will recover	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_L3M_ERRMSG-6-lsm_RSRC_ERR_recovered	6-Information	Failed LSM hardware resources recovered. LSM replication will be operational again	Hardware resource failure is recovered again and LSM(Label Switch Multicast) will be back to normal	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_L3M_ERRMSG-6-lspvif_RSRC_ERR_recovered	6-Information	Retry of Lspvif Adjacency hardware resource(s) is(are) successful, LSM MDTs will be operational again	Hardware resource failure is recovered again and LSM(Label Switch Multicast) will be back to normal	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
FED_L3_ERRMSG-3-L3_FIB_ENTRY_PAUSE	3-Error	Critical limit reached for [chars] resource. L3 FIB Entry Create PAUSED.\n	L3 FIB Entry creations are paused as needed exceeding (in error message) are not available so new entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for l3 routes summary, team utilization and resource utilization
FED_L3_ERRMSG-3-L3_FIB_ENTRY_RESUME	3-Error	[chars] resources are now available. L3 FIB Entry Create RESUMED.\n	L3 FIB Entry creations are resumed. Now new entries can be programmed in HW.	INVALID	No action needs to be taken.
FED_L3_ERRMSG-3-MAX_TUNNEL	3-Error	The maximum number of Tunnel has been reached\n	Hardware resource allocation has failed and the entry will not be programmed	INVALID	New Tunnels will not be working as expected.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
FED_L3_ERRMSG-3-MPLS_LABEL_PAUSE	3-Error	Critical limit reached for [chars] resource. MPLS Label Create PAUSED.\n	MPLS Label OCE creations are paused as needed not entered (mentioned in error message) are not available so new entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls routes summary, team utilization and resource utilization
FED_L3_ERRMSG-3-MPLS_LABEL_RESUME	3-Error	[chars] resources are now available. MPLS Label Create RESUMED.\n	MPLS Label creations are resumed. Now new entries can be programmed in HW.	INVALID	No action needs to be taken.
FED_L3_ERRMSG-3-MPLS_LENTRY_PAUSE	3-Error	Critical limit reached for [chars] resource. Lentry Create PAUSED.\n	MPLS Lentry creations are paused as needed not entered (mentioned in error message) are not available so new label entries can not be programmed in HW.	INVALID	Find out from error messages about the resources that are not available. Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls summary, team utilization and resource utilization

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FED_L3_ERRMSG-3-MPLS_LENTRY_RESUME	3-Error		[chars] resources are now available. Lentry Create RESUMED.\n	MPLS Label entries creations are resumed. Now new label entries can be programmed in HW.	INVALID	No action needs to be taken.
FED_L3_ERRMSG-3-RSRC_ERR	3-Error		Failed to allocate hardware resource for [chars] - rc:[dec]	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_L3_ERRMSG-3-RSRC_L3_LE_ERR	3-Error		Interface [chars] creation failed due to L3 Interface hardware resource exhaustion	Hardware resource for L3 Interface exhausted and the requested interface will not be created.	INVALID	Collect output of show platform hardware fed switch <switch number> fwd-asic resource utilization command. Check if RSC_L3IF_LE has exhausted. If yes, free up any unused L3 Interfaces by doing no interface <interface> and retry creating the failed interface.
FED_L3_ERRMSG-3-UNSUPPORTED_CMD	3-Error		[chars] is not supported on the interface [chars]\n	The specified cli is not yet supported.	INVALID	Find out more about this unsupported feature from the release documents and remove the command from the interface config mode

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
FED_L3_ERRMSG-3-ecr_err	3-Error	Platform unicast routing ecr module encountered [chars] error in FED\n	An error occurred in platform ecr code.	INVALID	Find out more about this error by using the show platform ipunicast ecr commands.
FED_L3_ERRMSG-3-fib_err	3-Error	Platform unicast routing fib module encountered [chars] error in FED\n	An error occurred in platform fib code.	INVALID	Find out more about this error by using the show platform ipunicast route commands.
FED_L3_ERRMSG-3-intf_err	3-Error	[chars] interface [chars]\n	Error in HW programming for Interface.	INVALID	Find out more about this failure from ifm show outputs and debugs for the interface
FED_L3_ERRMSG-3-mpls_ecmp_modify_err	3-Error	MPLS Load Balance modify is not supported [dec]\n	Modification of an ECMP object with MPLS Adjacencies is not supported yet. It is not an expected event	INVALID	Find out more about this error by using the show commands for the specified object and identify the possible trigger for the modify.
FED_L3_ERRMSG-3-mpls_out_of_resource	3-Error	Out of resource for MPLS [chars]. Failed to program [chars] in hardware\n	Running out of Hardware resource to support the scale of this MPLS feature.	INVALID	Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls summary, team utilization and resource utilization

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED_L3_ERRMSG-3-mpls_recursive_label_err	3-Error	Unsupported recursive MPLS label for local_label [dec] [chars]\n	The specified MPLS local label is recursive and is not yet supported.	INVALID	Find out more about this error by using the show commands for the specified local_label and modify the config using LDP filters to remove recursive labels.
FED_L3_ERRMSG-3-mpls_unsupported_feature	3-Error	Unsupported feature. Failed to program. [chars] in software or hardware\n	The feature is not yet supported.	INVALID	Find out more about this unsupported feature from the release documents and remove the command from the interface config mode
FED_L3_ERRMSG-3-pbr_err	3-Error	Platform unicast routing pbr module encountered [chars] error in FED\n	An error occurred in platform pbr code.	INVALID	Find out more about this error by using the show platform ipunicast policy commands
FED_L3_ERRMSG-3-wccp_err	3-Error	Platform unicast routing wccp module encountered [chars] error in FED\n	An error occurred in platform wccp code.	INVALID	Find out more about this error by using the show platform ipunicast wccp commands.
FED_PM-3-FRU_SWITCH_TIMEOUT	3-Error	Transeiver update timed out. Remove and re-insert all FRUs in this switch to recover.\n	An FRU update event took too long to process on this switch. The FRUs on this switch may not be recognized or function properly after this.	polaris-l2	Remove and re-insert all FRUs on this switch. The system should recognize and process them correctly after that.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
FED_PM-3-FRU_TIMEOUT	3-Error	FRU module [dec] bringup timed out. Remove and re-insert it to recover.\n	The given FRU module in the switch in question could not be recognized because it took too long do so.	polaris-l2	Remove and re-insert the specified FRU module. The system should recognize it correctly after that.
FED_PM-3-FRU_TRANSCEIVER_TIMEOUT	3-Error	Transceiver event handling for interface [chars] timed out. Remove and re-insert the FRU module containing this interface to recover.\n	Than handling onf a transceiver event took too long for the given interface.	polaris-l2	Remove and re-insert the FRU module containing this interface. The system should recover from this failure condition after that.
FED_PM-3-HW_ERROR	3-Error	Port Manager error -[chars] hardware update failed.\n	An error occurred in Port Manager code.	polaris-l2	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED_PM-3-RESRC_ERROR	3-Error	Port Manager error -[chars] resource access failed.\n	An error occurred in Port Manager code.	polaris-l2	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_PTP_ERRMSG-3-ATTACHERROR	3-Error	Failed to run PTP [chars].\n	An error occurs when running PTP.	display_mng	Find out more about the error by using show mgmt-infra trace messages fed-ptp-config-error switch number command
FED_PTP_ERRMSG-3-DETACHERROR	3-Error	Failed to run PTP [chars]\n	Error occurs when running PTP.	display_mng	Find out more about the error by using show mgmt-infra trace messages fed-ptp-config-error switch number command
FED_PTP_ERRMSG-6-NOTALLOWED	6-Information	[chars] is not allowed.\n	The requested configuration is not allowed.	display_mng	Please try to modify your configuration.
FED_PTP_ERRMSG-6-UNSUPPORTED	6-Information	[chars] is unsupported\n	The requested configuration is not supported.	display_mng	Please do not use the current configuration.
FED_PUNJECT-6-PKT_CAPTURE_FULL	6-Information	Punject pkt capture buffer is full. Use show command to display the punted packets.\n	All the available punt capture buffers have been written with punted packets.	INVALID	No action is needed.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
FED_QOS_ERRMSG-3-AFD_POLICER_HW_ERROR	3-Error	Failed to [chars] for [chars].\n	An error occurred in programming the Approximate Fair Dropping policer.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG-3-AFD_QUEUE_HW_ERROR	3-Error	Failed to program AFD [chars] virtual queue for [chars].\n	An error occurred in programming the Approximate Fair Dropping virtual queue.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG-3-LABEL_2_QUEUE_MAPPING_HW_ERROR	3-Error	Failed to [chars] for [chars]: code [dec].\n	An error occurred in programming label to queue map.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FED_QOS_ERRMSG-3-NETFLOW_TABLE_HW_ERROR	3-Error		Failed to program netflow entries for policy-map [chars] for client mac:[chars] iid:0x%llx. code:[dec].\n	An error occurred in programming netflow table.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG-3-POLICER_HW_ERROR	3-Error		Failed to [chars] for [chars]: code [dec].\n	An error occurred in programming the policer.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG-3-POLICER_MAP_HW_ERROR	3-Error		Failed to [chars] for [chars]: code [dec].\n	An error occurred in programming the policer map.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FED_QOS_ERRMSG-3-QUEUE_BUFFER_HW_ERROR	3-Error		Failed to [chars] for [chars]: code [dec].\n	An error occurred when programming the queue buffer.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG-3-QUEUE_SCHEDULER_HW_ERROR	3-Error		Failed to [chars] for [chars]: code [dec].\n	An error occurred when programming the queue scheduler.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG-3-TABLEMAP_EGRESS_HW_ERROR	3-Error		Failed to [chars] for [chars]: code [dec].\n	An error occurred when programming egress table-map to hardware.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED_QOS_ERRMSG3-TABLEMAP_INGRESS_HW_ERROR	3-Error	Failed to [chars] for [chars]: code [dec].\n	An error occurred when programming ingress table-map to hardware.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG3-TABLEMAP_INIT_ERROR	3-Error	Failed to initialize [chars].\n	An error occurred during table-map initialization.	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
FED_QOS_ERRMSG4-APPLICATION_ID_OVERFLOW	4-Warning	Failed to allocate application ID for policy-map [chars] on [chars].\n	The application IDs are exhausted.	INVALID	Reduce the number of applications to make application ID available.
FED_QOS_ERRMSG4-CONFIGURE_PORT_TYPE_HW_ERROR	4-Warning	Failed to configure port [chars] as [chars] port in hardware. rc:[dec].\n	The port could not be configured in hardware	INVALID	Try to shutdown the port and then unshut the port
FED_QOS_ERRMSG4-LABEL_2-QUEUE_MAPPING_OVERFLOW	4-Warning	Failed to [chars]. No more queue-maps are available.\n	The system supports up to 8 queue-maps. This limit has been reached.	INVALID	Unconfigure some of the queuing policies to make the resource available.

Facility-Severity-Mnemonic	Severity	Message	Msg-Id	Component	Recommended-Action
FED_QOS_ERRMSG4NETFLOW_TABLE_OVERFLOW	4-Warning	Failed to program netflow entries for policy-map [chars] for client mac:[chars] iifid:0x%llx. No netflow resource is available.\n	The netflow resources are exhausted.	INVALID	Unconfigure features to make the netflow resource available.
FED_QOS_ERRMSG4OUTPUT_ACS_CLIENT_POLICY_ERROR	4-Warning	Unsupported output client policy([chars]).\n	Unsupported policy.	INVALID	Unsupported client output policy
FED_QOS_ERRMSG4OUTPUT_CLIENT_POLICY_ERROR	4-Warning	Unsupported output client policy([chars]) - range operators.\n	Unsupported policy.	INVALID	Range operators are not supported in client output policy
FED_QOS_ERRMSG4POLICER_MAP_TABLE_OVERFLOW	4-Warning	Failed to [chars] for [chars]. No more policer map tables are available.\n	The ASIC supports up to 64 policer map tables. This limit has been reached.	INVALID	Unconfigure some policer maps to make the resource available.
FED_QOS_ERRMSG4POLICER_OVERFLOW	4-Warning	Failed to [chars] for [chars]. No policer resource is available.\n	The policer resource limit has been reached.	INVALID	Unconfigure some policers to make the resource available.
FED_QOS_ERRMSG4STACK_BUFFER_CONFIG_MGIG	4-Warning	Detected stack-buffer disable ([dec]), which is not a supported configuration for mGig platforms. Change to 'stack-buffer enable' configuration.\n	The stack-buffer configuration for an mGig switch should always remain as enabled.	INVALID	Change the configuration back as stack-buffer enable

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED_QOS_ERRMSG-4-TABLEMAP_OVERFLOW	4-Warning	Failed to attach [chars]. No more table-maps are available.\n	The system supports up to 16 table-maps per direction. This limit has been reached.	INVALID	Unconfigure some of the table-maps to make the resource available.
FED_QOS_ERRMSG-4-TCAM_OVERFLOW	4-Warning	Failed to program TCAM for policy-map [chars] on [chars].\n	The TCAM resources are exhausted.	INVALID	Unconfigure features to make TCAM resources available.
FED_ROT-4-FIRMWARE_UPGRADE	4-Warning	The RoT eSPI firmware for ASIC [dec] has been successfully upgraded. Will take effect after reload	The NPU RoT eSPI firmware has been successfully upgraded. New firmware will take effect after next reload	high	No action is required
FED_ROT-4-VALIDATION_FAILURE	4-Warning	The RoT Validation for ASIC [dec] has failed because [chars]	The NPU RoT validation has failed. This could be due to a hardware or software defect. This is a critical error. NPU will stop forwarding traffic	high	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
FED_SPAN_ERRMSG-3-UNSUPPORTED_CONFIG	3-Error		SPAN configuration for source is not supported [chars] \n	A failure occurred in platform SPAN Source prgm	polaris-l2	This failure occurs with SPAN Src (port, Vlan) is part of a different SPAN session and is being reprogrammed again
FED_SPAN_ERRMSG-3-fspan_hw_update_err	3-Error		Platform FSPAN encountered an error in FED - [chars]\n	An error occurred in platform FSPAN code.	polaris-l2	Collect output of hardware tables/registers related to FSPAN and details of related ASIC resource handles.
FED_SPAN_ERRMSG-3-sess_rc	3-Error		Platform SPAN encountered an update error in FED - [chars], session [dec], return code [dec].\n	An error occurred in platform update SPAN code.	polaris-l2	Collect the output of debug platform monitor-fed while configuring SPAN or FSPAN.
FED_SPAN_ERRMSG-3-span_gen_hw_update_err	3-Error		Platform SPAN encountered an error in FED - [chars].\n	An error occurred in platform SPAN code.	polaris-l2	Collect the output of debug platform monitor-fed command while configuring SPAN or FSPAN.
FED_SPAN_ERRMSG-3-span_hw_update_err	3-Error		Platform SPAN encountered an error in FED - [chars]\n	An error occurred in platform SPAN code.	polaris-l2	Collect output of hardware tables and registers related to SPAN and details of related ASIC resource handles.
FED_SPAN_ERRMSG-3-span_stp_status_update_err	3-Error		Platform SPAN encountered an error in FED - [chars]\n	An error occurred in platform SPAN code for STP state updates in ASIC.	polaris-l2	Collect output of hardware tables and registers related to FSPAN and details of related ASIC resource handles.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FED_SRVO_ERRMSG-3-ATTACHERROR	3-Error	Failed to run SRVO [chars].\n	An error occurs when running SRVO.	high_mng	Find out more about the error by using show mgmt-infra trace messages fed-srvo-config-error switch number command
FED_SRVO_ERRMSG-3-DETACHERROR	3-Error	Failed to run SRVO [chars]\n	Error occurs when running SRVO.	high_mng	Find out more about the error by using show mgmt-infra trace messages fed-srvo-config-error switch number command
FED_SRVO_ERRMSG-6-NOTALLOWED	6-Information	[chars] is not allowed.\n	The requested configuration is not allowed.	high_mng	Please try to modify your configuration.
FED_SRVO_ERRMSG-6-UNSUPPORTED	6-Information	[chars] is unsupported\n	The requested configuration is not supported.	high_mng	Please do not use the current configuration.
FED_STATS-6-MEMORY_PARITY_ERR	6-Information	Detected memory parity errors on ASIC INST([dec])\n	Memory parity errors reached threshold.	issuing	If this message occurs, customer needs to reach out to TAC. TAC will collect and review the output of '\show logging onboard switch active message detail'. If there are so many single-parity memory errors (>=1000 in 24 hours). TAC may ask the switch to be reloaded or RMAed.
FED_STP_ERRMSG-3-MAX_INSTANCES	3-Error	The maximum number of STP instances has been reached:[dec]	The maximum number of STP instances that can be programmed has been reached.	INVALID	Delete or resolve loops manually for the vlans created further.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
FED_VLAN_TRANSLATE_ERRMSG-3-ATTACHERROR	3-Error	Failed to run VLAN_TRANSLATE [chars].\n	An error occurs when running VLAN_TRANSLATE	platform	Find out more about the error by using show mgmt-infra trace messages fed-vlan_translate-config-error switch number command
FED_VLAN_TRANSLATE_ERRMSG-3-DETACHERROR	3-Error	Failed to run VLAN_TRANSLATE [chars]\n	Error occurs when running VLAN_TRANSLATE	platform	Find out more about the error by using show mgmt-infra trace messages fed-vlan_translate-config-error switch number command
FED_VLAN_TRANSLATE_ERRMSG-6-NOTALLOWED	6-Information	[chars] is not allowed.\n	The requested configuration is not allowed.	platform	Please try to modify your configuration.
FED_VLAN_TRANSLATE_ERRMSG-6-UNSUPPORTED	6-Information	[chars] is unsupported\n	The requested configuration is not supported.	platform	Please do not use the current configuration.
FED_XCVR_MSG-3-BO_FAILED	3-Error	[dec] [dec] break out failed	New BO command might have entered too fast or Deactivation taking time to clean feature objects	polaris-l2	Likely IOS and FED might be out of state, reload to use BO ports

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FED_XCVR_MSG-3-BO_NOT_FINISHED	3-Error		[dec] [dec] previous breakout command not yet finished, wait for completion message	New BO command might have entered too fast or Deactivation taking time to clean feature objects	polaris-l2	Likely IOS and FED might be out of state, reload to use BO ports
FED_XCVR_MSG-3-BO_SUCCESSFUL	3-Error		[dec] [dec] break out successful	New BO command might have entered too fast or Deactivation taking time to clean feature objects	polaris-l2	Likely IOS and FED might be out of state, reload to use BO ports
FED_XCVR_MSG-3-CABLE_AUTH_FAILED	3-Error		*** Stack cable authentication failed for cable inserted on stack port [dec] on switch [dec] ***	Stack Cable authentication failed on the switch	polaris-l2	Fed would have crashed, remove the stack cable inserted in the mentioned port and cross check
FED_XCVR_MSG-3-CABLE_AUTH_FAILED_RELOAD	3-Error		Reloading chassis because cable auth failed on stack_port [dec]	Stack Cable authentication failed on the switch	polaris-l2	Fed would have crashed, remove the stack cable inserted in the mentioned port and cross check
FED_XCVR_MSG-3-NO_BO_SUCCESSFUL	3-Error		[dec] [dec] no break out successful	New BO command might have entered too fast or Deactivation taking time to clean feature objects	polaris-l2	Likely IOS and FED might be out of state, reload to use BO ports

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
FED_XCVR_MSG-3-NO_PG_SUCCESSFUL	3-Error		Slot [dec] Portgroup [dec] No Portgroup Successful	New PG command might have entered too fast or Deactivation taking time to clean feature objects	polaris-l2	Likely IOS and FED might be out of state, reload to use PG ports
FED_XCVR_MSG-3-PG_FAILED	3-Error		Slot [dec] Portgroup [dec] Failed	New PG command might have entered too fast or Deactivation taking time to clean feature objects	polaris-l2	Likely IOS and FED might be out of state, reload to use PG ports
FED_XCVR_MSG-3-PG_SUCCESSFUL	3-Error		Slot [dec] Portgroup [dec] Successful	New PG command might have entered too fast or Deactivation taking time to clean feature objects	polaris-l2	Likely IOS and FED might be out of state, reload to use PG ports

Facility-Severity-Mnemonic	Sev	Msg	Msg Explain	Component	Recommended-Action
FED_XCVR_MSG-3-SPEED_MISMATCH	3-Error	[chars] are operating in different speeds, Ports in each port-group should operate in same speed. Please make sure that both the ports operate in same speed. Alternatively, Configure hw-module slot <> port-group <> select <speed>, shut and no shut preferred interface to use specific port in the port-group. This config is not supported if any of the ports in port-group is inserted with dual-rate optics.	The ports in port-group should be of the same speed for all ports to function	polaris-l2	Enter hw-module slot <> port-group <> select <speed>, followed by\n shut and no shut of interface to use a specific port.
FILTER-3-EWLC_APFILTER_REGEX_CREATE_ERR	3-Error	Error in [chars]	APFilter regular expression error	ioscbinsult	Recreate regular expression correctly
FILTER-3-EWLC_GEN_ERR	3-Error	Error in [chars]	General Wireless LAN Controller Error Message.	ioscbinsult	LOG_STD_ACTION
FILTER-4-EWLC_APFILTER_PRIORITY_UPDATE_WARN	4-Warning	Warning: [chars]	APfilter priorities are overridden, old filter will be invalid	ioscbinsult	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FILTER_BINARY_NOTIFICATION-5-MERGE_COMPLETED	5-Notice	Merged logs generation completed.	Notification to user that merged logs are generated	iosetools	Go to bootflash and view the merged logs
FIRMWARE-5-INSTALL_STATUS	5-Notice	Firmware install stage: [chars], install-id: [chars], message: [chars]	This syslog is generated during firmware installation which goes through multiple steps	lte-fw	No action is required
FIRMWARE-6-INSTALL_STATUS	6-Information	Firmware install stage: [chars], install-id: [chars], message: [chars]	This syslog is generated during firmware installation which goes through multiple steps	lte-fw	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FLASH_CHECK-3-DISK_QUOTA	3-Error	[chars] quota exceeded [free space is [dec] kB] - [recommended free space is [dec] kB] - Please clean up files on [chars].	The remaining free space on the disk is below the recommended threshold of at least 30 percent of the installed disk device space. This limits the system from core files necessary to root cause critical system faults. The disk device is bootflash or harddisk.	ioscbinsult	Please remove unneeded files from the disk device. Any core files under the core directory should be reported and then deleted.
FLASH_CHECK-3-FLASH_ISSUE	3-Error	Detected Flash issues. Please issue the [chars] command at your earliest convenience.	eUSB failure is detected, flash partitions may be inaccessible.	ioscbinsult	Please issue the cli command shown in the error message.
FLASH_CHECK-3-FLASH_RECOVERY	3-Error	Detected Flash issues. Proceeding with [chars] soft-error recovery.	eUSB failure is detected, which prevents access of flash partitions.	ioscbinsult	No action required

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
FLASH_CHECK-3-RESET_FAIL	3-Error	Flash recovery failed. Please issue the reload slot <#> command at your earliest convenience.	An attempted flash recovery has failed. Switch needs to be manually reloaded	isecbinsults	No action required
FLASH_CHECK-3-RESET_SUCCESS	3-Error	Flash recovery was successful.	An attempted flash recovery was successful.	isecbinsults	No action required
FMANFP-3-CRYPTO_DEVICE_REQUEST_FAILED	3-Error	Crypto-device is busy processing last request. This request will be discarded	Crypto-device is still processing previous reload request or still processing crypto feature packets. New request will not be applied	INVALID	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Sub-Mnemonics	Message	Msg Explain	Component	Recommended-Action
FMANP3CRYPTO_LICENSE_THPUT_MAX_APPROACHED	3-Error	Average crypto throughput rate approached the licensed crypto bandwidth of [dec] bps during [dec] sampling periods in the last 24 hours, sampling period is [dec] seconds	To monitor crypto throughput and, to generate notification if the average throuput utilization over a longer time are approaching or exceeding the cypro licensed bandwidth	iosxe-csl	LOG_STD_NO_ACTION
FMANP3CRYPTO_LICENSE_THPUT_THRESHOLD_EXCEED	3-Error	Average crypto throughput rate exceeded [dec] percent of licensed crypto bandwidth of [dec] bps during [dec] sampling periods in the last 24 hours, sampling period is [dec] seconds	To monitor crypto throughput and, to generate notification if the average throuput utilization over a longer time are approaching or exceeding the cypro licensed bandwidth	iosxe-csl	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
FMANFP-3-LICENSE_THPUT_INVALID	3-Error	Invalid throughput [dec]kbps	The throughput value is invalid. The forwarding engine will not operate at the throughput value.	iosxe-csl	LOG_SID_DDIS_TAC_DETAILS
FMANFP-3-REFGRP_ENTRY_LIMIT_EXCEED	3-Error	Reflexive group [chars]([dec]) exceeded limitation of [dec] entries. Reflexive functionality is not supported for this ACE, please remove it.	A software limitation has been exceeded.	INVALID	LOG_STD_NO_ACTION
FMANFP-3-REFGRP_LIMIT_EXCEED	3-Error	Number of reflexive group exceeded limitation of [dec]. Reflexive functionality is not supported for this ACE, please remove it.	A software limitation has been exceeded.	INVALID	LOG_STD_NO_ACTION
FMANFP-3-REF_ACE_IDX_LIMIT_EXCEED	3-Error	Reflexive group [chars]([dec]) ACE index([dec]) exceeded limitation of [dec]. Reflexive functionality is not supported for this ACE, please remove it.	A software limitation has been exceeded.	INVALID	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FMANFP-3-REF_ACL_IDX_LIMIT_EXCEED	3-Error	Reflexive group [chars]([dec]) ACL index([dec]) exceeded limitation of [dec]. Reflexive functionality is not supported for this ACL, please remove it.	A software limitation has been exceeded.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-CRYPTO_DEVICE_NOT_PRESENT	6-Information	Hardware crypto-device is not present. Request aborted	Hardware crypto-device is not present on the system. User request doesn't apply or be executed. This may not be an error.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-CRYPTO_DEVICE_REQUEST_COMPLETE	6-Information	Crypto-device is ready to process packets	Crypto-device is load with new core based on user request. Now it is ready to process packets	INVALID	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FMANFP-6-FMANACLLOGMISSMSG	6-Information	access-list logging datapath rate-limited or missed [dec] packet[chars]	Some packet matching logs were missed because the access list log messages were rate-limited or no access list log buffers were available.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-IPACCESSLOGDP	6-Information	list [chars] [chars] [chars] [chars] [chars]-> [chars] ([dec]/[dec]), [dec] packet[chars]	A packet matching the log criteria for the given access list was detected.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-IPACCESSLOGNP	6-Information	list [chars] [chars] [dec] [chars][chars] [chars]-> [chars], [dec] packet[chars]	A packet matching the log criteria for the given access list was detected.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-IPACCESSLOGP	6-Information	list [chars] [chars] [chars] [chars][chars]([dec]) [chars]-> [chars]([dec]), [dec] packet[chars]	A packet matching the log criteria for the given access list was detected.	INVALID	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FMANFP-6-IPACCESSLOGSGDP	6-Information	ingress_interface=[chars] sgacl_name=[chars] action=[chars] protocol=[chars] src-ip=[chars] dest-ip=[chars] type=[dec] code=[dec] sgt=[dec] dgt=[dec] logging_interval_hits=[dec]	A packet matching the log criteria for the given access list was detected.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-IPACCESSLOGSGNP	6-Information	ingress_interface=[chars] sgacl_name=[chars] action=[chars] protocol=[dec] src-ip=[chars] dest-ip=[chars] sgt=[dec] dgt=[dec] logging_interval_hits=[dec]	A packet matching the log criteria for the given access list was detected.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-IPACCESSLOGSGP	6-Information	ingress_interface=[chars] sgacl_name=[chars] action=[chars] protocol=[chars] src-ip=[chars] src-port=[dec] dest-ip=[chars] dest-port=[dec] sgt=[dec] dgt=[dec] logging_interval_hits=[dec]	A packet matching the log criteria for the given access list was detected.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-IPV6ACCESSLOGDP	6-Information	list [chars] [chars] [chars] [chars][chars] [chars]-> [chars] ([dec]/[dec]), [dec] packet[chars]	A packet matching the log criteria for the given access list was detected.	iosxe-acl	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
FMANFP-6-IPV6ACCESSLOGNP	6-Information	list [chars] [chars] [dec] [chars][chars] [chars]-> [chars], [dec] packet[chars]	A packet matching the log criteria for the access list was detected.	iosxe-acl	LOG_STD_NO_ACTION
FMANFP-6-IPV6ACCESSLOGP	6-Information	list [chars] [chars] [chars] [chars][chars]([dec]) [chars]-> [chars]([dec]), [dec] packet[chars]	A packet matching the log criteria for the access list was detected.	iosxe-acl	LOG_STD_NO_ACTION
FMANFP-6-IPV6ACCESSLOGSGDP	6-Information	ingress_interface=[chars] sgacl_name=[chars] action=[chars] protocol=[chars] src-ip=[chars] dest-ip=[chars] type=[dec] code=[dec] sgt=[dec] dgt=[dec] logging_interval_hits=[dec]	A packet matching the log criteria for the access list was detected.	INVALID	LOG_STD_NO_ACTION
FMANFP-6-IPV6ACCESSLOGSGNP	6-Information	ingress_interface=[chars] sgacl_name=[chars] action=[chars] protocol=[dec] src-ip=[chars] dest-ip=[chars] sgt=[dec] dgt=[dec] logging_interval_hits=[dec]	A packet matching the log criteria for the access list was detected.	INVALID	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FMANFP-6-IPV6ACCESSLOGSGP	6-Information		ingress_interface='[chars]' sgacl_name='[chars]' action='[chars]' protocol='[chars]' src-ip='[chars]' src-port='[dec]' dest-ip='[chars]' dest-port='[dec]' sgt='[dec]' dgt='[dec]' logging_interval_hits='[dec]	A packet matching the log criteria for the given access list was detected.	INVALID	LOG_STD_NO_ACTION
FMANRP-3-OBJ_DWNLD_TO_FP_FAILED	3-Error		[chars] download to FP failed	An object has failed to download to the forwarding processor (FP)	iosxe-fwdmgr	Examine the process logs to identify the cause for object download failure
FMANRP-3-PEER_IPC_RESET	3-Error		IPC to [chars] has been reset after previous stuck	IPC to a peer has been reset after previous stuck	iosxe-fwdmgr	check if there is any functional impact after recovery
FMANRP-3-PEER_IPC_RESUME	3-Error		IPC to [chars] has returned to normal after previous stuck	IPC to a peer is back to normal after previous stuck	iosxe-fwdmgr	check if there is any functional impact after recovery
FMANRP-3-PEER_IPC_STUCK	3-Error		IPC to [chars] is stuck for more than [dec] seconds	IPC to a peer is stuck, resulting no new messages sent over for a long time	iosxe-fwdmgr	Run show platform peer object-manager rp [active standby] to confirm that no new messages are sent over the Config IPC

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
FMANRP-4-INVALID_CCE_POSITION	4-Warning	Invalid position '[dec]' prevented [chars]	A messaging error has occurred during service-policy modification and the configuration could not be downloaded properly	iossefwdmgr	LOG_SID_DDIS_TAC_DETAILS
FMAN_CAPWAP-3-AP_TUNNEL_CLEANUP_PENDING	3-Error	AP CAPWAP tunnel cleanup is incomplete. [chars]	CAPWAP tunnel delete acknowledgment is not yet received from FMAN FP	ewlc-ap	LOG_STD_ACTION
FMAN_CAPWAP-3-AP_TUNNEL_EXIST	3-Error	AP CAPWAP tunnel plumb failure. [chars]	CAPWAP tunnel plumb failure due to MAC or IFID conflict	ewlc-ap	LOG_STD_ACTION
FMAN_IPSEC_NGWC-3-IPSEC_ANTI_REPLAY_ERR	3-Error	IPSEC (flow id [dec]) receives anti-replay error.	traffic being received is not within the IPsec anti-replay window.	iossefwdmgr	Check the size of anti-replay window configured. Adjust to maximum 256-bits if needed

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FMAN_IPSEC_NGWC-3-IPSEC_CONFIG_FAIL	3-Error	IPSEC fail to configure because [chars].	The IPSEC configuration has failed. This could be due to a hardware resource limitation or a software defect.	iosx-fw-dmgr	Check the logs for information. Reconfigure IPSEC
FMAN_IPSEC_NGWC-3-IPSEC_INIT_FAIL	3-Error	IPSEC fail to initialize because [chars].	The IPSEC initialization has failed. This could be due to a hardware resource limitation or a software defect.	iosx-fw-dmgr	Check the logs for information. Reboot the system if IPSEC needs to be configured
FMAN_IPSEC_NGWC-3-IPSEC_TTL_NOT_SUPPORT	3-Error	IPSEC tunnel ttl configuration ignored because [chars].	The IPSEC configuration for tunnel ttl value is not supported and therefore has been ignored.	iosx-fw-dmgr	remove tunnel ttl configuration as it is not supported.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
FMAN_IPSEC_NGWC-3-IPSEC_TUNNEL_CONFIG_FAIL	3-Error	[chars] SADB [dec] IF_ID [dec]	The IPSEC configuration has failed. This could be due to a hardware resource limitation or a software defect.	ios-fw-dmgr	Check the logs for information. Reconfigure IPSEC
FMFP-3-DP_NOMEM	3-Error	DP not enough memory. [chars]	An object download to DP failed because the memory of DP is not enough.	ios-fw-dmgr	Run show platform resource to see the memory usage
FMFP-3-INTERFACE_OBJECT_NOT_FOUND	3-Error	Interface object lookup by [chars] not found for interface [dec]	The desired interface object was not found.	ios-fw-dmgr	Examine the interface state in the operating system, route processor (RP) and forwarding processor (FP) forwarding manager logs.
FMFP-3-OBJ_ACK_FROM_DP_RESUME	3-Error	AOM ack of objects to Data Plane is back to normal	An object ack from lower layer to FMAN-FP has finished after a temporary stuck. It can be caused by incomplete configuration or software defects	ios-fw-dmgr	check if there is any functional impact after recovery

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
FMFP-3-OBJ_ACK_FROM_DP_STUCK	3-Error	AOM ack download to Data Plane is stuck for more than [dec] seconds [chars]	An object ack from lower layer to FMAN-FP has taken long time. It can be caused by incomplete configuration or software defects	ios-xe-fwdmgr	Run show platform software object-manager fp [active standby] [pending-ack-update pending-ack-command] sorted <min_pending_time> to see the sorted list of update/ batch/command in pending state for more than the min_pending_time. For incomplete configuration, use show platform platform software object fp [active standby] resolve to see if there is any resolve object
FMFP-3-OBJ_DWNLD_TO_DP_FAILED	3-Error	[chars] download to DP failed	An object has failed to download to the data plane	ios-xe-fwdmgr	Examine the list of error objects in the forwarding processor (FP) forwarding manager asynchronous object logs.
FMFP-3-OBJ_DWNLD_TO_DP_RESUME	3-Error	AOM download of objects to Data Plane is back to normal	An object download from FMAN-FP to lower layer has finished after a temporary stuck. It can be caused by incomplete configuration or software defects	ios-xe-fwdmgr	check if there is any functional impact after recovery

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
FMFP-3-OBJ_DWNLD_TO_DP_STUCK	3-Error	AOM download to Data Plane is stuck for more than [dec] seconds [chars]	An object download from FMAN-FP to lower layer has taken long time. It can be caused by incomplete configuration or software defects	ios-fw-dmgr	Run show platform software object-manager fp [active standby] [pending update pending update] sorted <min_pending_time> to see the sorted list of update/batch/ command in pending state for more than the min_pending_time. For incomplete configuration, use show platform platform software object fp [active standby] resolve to see if there is any resolve object
FMFP_ACL-3-ACL_LIMIT_EXCEEDED	3-Error	ACL [chars] exceeded limitation of [dec] ACEs per ACL	A software limitation has been exceeded.	ios-fw-dmgr	Reduce the access control list (ACL) configuration. A reboot of the forwarding processor (FP) is recommended.
FMFP_ACL-3-ACL_MODIFY_FAILED	3-Error	ACL:[chars] modification through object group edit failed	Object-group used in the ACL was modified. Those changes could not be accommodated in the ACL	asr1k-acl	Fix the object-group changes. Delete ACL and reconfigure it

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
FMFP_ACL-3-ACL_OBJECT_DOWNLOAD	3-Error	[chars][chars] fail to download because [chars].	The access control list (ACL) object has failed to download. This could be due to a hardware or software resource limitation or a software defect.	ios-fw-mgr	Check the logs for information on the relevant object download states. Remove the ACL attachment to the interface or delete the ACL. Reboot the forwarding processor (FP).
FMFP_ACL-3-ACL_PROTOCOL_CHECK	3-Error	ACL [chars] protocol does not match what was previously configured	The error occurs for one of two reasons. An access control list (ACL) reference was made to an ACL of a different protocol; or an ACL was added or edited when there were similarly named ACL references of a different protocol	ios-fw-mgr	Remove the conflicting ACL or the conflicting ACL references.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
FMFP_ACL-3-OGACL_BINCODE_CHECK	3-Error	[chars] OGACL request failed in bincode check: required bits ([dec]) max available bits ([dec]).	The scaled OGACL failed to download due to the hardware or software resource limitation on bincode.	asr1k-acl	Check the logs for information on the relevant object download states. Remove the OGACL configuration and binding, reduce the scaling and reconfigure it
FMFP_ACL-3-OGACL_PD_RESOURCE	3-Error	[chars] OGACL runs out of PD resources.	The scaled OGACL failed to download due to PD hardware or software resource limitation.	asr1k-acl	Check the logs for information on the relevant object download states. Remove the OGACL configuration and binding, reduce the scaling and reconfigure it
FMFP_ACL-3-SGACL_OBJECT_DOWNLOAD	3-Error	SGACL Cell ([dec] [dec]) policy [chars] fail to download because [chars].	The SGACL policy has failed to download. This could be due to a hardware or software resource limitation or a software defect.	iosx-fw-dmgr	Check the logs for information on the relevant object download states. Remove the SGACL policy for that cell, correct the error and reconfigure it

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FMFP_CCK-4-INCONSISTENCY_FOUND	4-Warning	Consistency Checker(CCK) detected inconsistency for [chars]. Check 'show consistency-checker run-id [dec] detail'.	CCK has detected the inconsistency between the IOSD and fmanFP tables.	iosx-efmgr	Find out the entry using the show consistency-checker && command
FMFP_CXSC-3-CXSC_DEINITIALIZATION	3-Error	[chars] Returned: [chars]	The CXSC DEINITIALIZATION has FAILED. This could be due to a hardware or software resource limitation or a software defect.	iosxe-cxsc	Check memory usage and router configuration and try to re-activate virtual service again. If it shows the same results then please contact TAC.
FMFP_CXSC-3-CXSC_DOMAIN_CONFIG	3-Error	[chars] Returned: [chars]	The CXSC DOMAIN CONFIG DOWNLOAD has FAILED. This could be due to a hardware or software resource limitation or a software defect.	iosxe-cxsc	Check memory usage and router configuration and try to re-activate virtual service again. If it shows the same results then please contact TAC.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
FMFP_CXSC-3-CXSC_INITIALIZATION	3-Error	[chars] Returned: [chars]	The CXSC INITIALIZATION has FAILED. This could be due to a hardware or software resource limitation or a software defect.	iosxe-cxsc	Check memory usage and router configuration and try to re-activate virtual service again. If it shows the same results then please contact TAC.
FMFP_CXSC-3-CXSC_POLICY_DOWNLOAD	3-Error	[chars] Returned: [chars]	The CXSC POLICY DOWNLOAD has FAILED. This could be due to a hardware or software resource limitation or a software defect.	iosxe-cxsc	Check memory usage and router configuration and try to re-activate virtual service again. If it shows same results then please contact TAC.
FMFP_CXSC-6-CXSC_POLICY_DOWNLOAD_SUCCESS	6-Information	New policy version: [dec] has now been installed and is active	The CXSC POLICY DOWNLOAD of the numbered version has succeeded.	iosxe-cxsc	This an informational message only, no action is required. Note that policy version is not monotonically increasing so there is nothing to be concerned about if the current installed policy version is less than the previous installed policy version.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
FMFP_QOS-4-QOS_WITHOUT_UPDATING	4-Warning		Warning, Qos download AOM without updating [chars]	qos download aom wihtout updating action.	iosxe-fwdmgr	No action is required.
FMFP_QOS-6-QOS_STATS_PROGRESS	6-Information		statistics are progressing	QoS statistics are now progressing normally. This is an informational message.	iosxe-fwdmgr	No action is required.
FMFP_QOS-6-QOS_STATS_STALLED	6-Information		statistics stalled	QoS statistics are temporarily stalled. This is an informational message.	iosxe-fwdmgr	No action is required.
FMFP_URPF-3-LIST_DOWNLOAD	3-Error		Unicast RPF list [chars] for list [dec] fail to download because [chars].	The unicast reverse path forwarding (URPF) list failed to download. This can be caused by a hardware or software resource limitation or software defect.	iosxe-fwdmgr	Check the logs for information on the relevant download states. Reboot the forwarding processor (FP).

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
FMFP_URPF-3-OBJECT_DOWNLOAD	3-Error	Unicast RPF [chars] on interface [chars] fail to download because [chars].	The unicast reverse path forwarding (URPF) operation failed to download. This can be caused by a hardware or software resource limitation or a software defect.	ios-fw-mgr	Check the logs for information on the relevant download states. Remove the uRPF feature enabled on any interface. Reboot the forwarding processor (FP).
FMRP_CCK-4-INCONSISTENCY_FOUND	4-Warning	Consistency Checker(CCK) detected inconsistency for [chars]. Check 'show consistency-checker run-id [dec] detail'.	CCK has detected the inconsistency between the IOSD and fmanRP tables.	ios-fw-mgr	Find out the entry using the show consistency-checker <> command
FPGA_DRV-1-CRC_ERR	1-Alert	SEU [chars] errors are detected in FPGA, [chars]\n	SEU errors are detected in FPGA	INVALID	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
FPMD-3-ACL_PROGRAM_FAILURE	3-Error	Failed to associate access-list: [chars]. Reason: [chars]	This syslog is generated when FPMD cannot program or partially programmed given access-list in datapath. This error can result into packets flowing through the network without applying access-list as intended	vpcdepoly	Check btrace for any error logs, collect tech-support and share with Cisco TAC
FPMD-3-MAX_FILTER_EXCEEDED	3-Error	Filter count exceeded Max ([dec]) filters per class for class_id [dec] at filter_id [dec]	This syslog is generated when maximum number of filters have already been reached for given class	vpcdepoly	Remove any unused filters from given class

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FPMD-3-POLICY_PROGRAM_FAILURE	3-Error	Failed to associate data-policy [chars] with vpn-list: [chars]. Reason: [chars]	This syslog is generated when FPMD cannot program or partially programmed given data-policy in datapath. This error can result into packets flowing through the network without applying data-policy as intended	vpn-policy	Check btrace for any error logs, collect tech-support and share with Cisco TAC
FPMD3-SDWAN_POLICE_CONFIRM_BURST_INCREASED	3-Error	SDWAN Policer [chars] Conform burst [dec] increased to [dec]	This syslog is generated when FPMD receives policer config but configured policer burst is less than the default burst tolerance for the CIR	vpn-policy	Check btrace for any error logs, collect tech-support and share with Cisco TAC

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FPMD-5-FLOW_LOG	5-Notice	FLOW LOG device-vpn: [dec] tenant-vpn: [dec] src: [chars]/[dec] dst: [chars]/[dec] proto: [dec] tos: [dec] direction: [chars], policy: [chars], sequence: [dec], Result: [chars] Pkt count: [dec] bytes: [dec] Ingress-Intf: [chars] Egress-intf: [chars] Tenant: [chars]	This syslog is generated for every flow that matches data-policy, app-route policy and/or access-list. The log contains information about L3 and L4 headers, along with direction and result	vpncd/policy	No action is required
FPMD-6-ACL_PROGRAM_SUCCESS	6-Information	Successfully associated access-list: [chars]	This informative log is generated when access-list is successfully programmed in data-path	vpncd/policy	No action is required
FQDN_MESSAGE-3-FQDN_FLEX_ERR	3-Error	Error in [chars]	ewlc fqdn flex push error message.	ios/bin/sr	LOG_STD_ACTION
FQDN_MESSAGE-3-FQDN_LISTNAME_ERR	3-Error	Error in [chars]	ewlc FQDN url list name error message.	ios/bin/sr	LOG_STD_ACTION
FQDN_MESSAGE-3-FQDN_LOCAL_ERR	3-Error	Error in [chars]	ewlc fqdn urllist forwarding push error message.	ios/bin/sr	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
FTMD-3-FIB_ROUTE_ADD_FAIL	3-Error	Route addition failed for prefix [chars], reason [chars]	This syslog is typically generated when the system is under stress and a route cannot be added in forwarding base	defwadm	Please collect tech-support and share with Cisco TAC, a support ticket should be created to debug this
FTMD-3-TLOC_ADD_FAIL	3-Error	TLOC ([chars]/[chars]) addition failed, reason: [chars]	This syslog is typically generated when the system is under stress and a TLOC cannot be added in forwarding base or encountered a error	defwadm	No action is required
FTMD-5-FLOW_LOG	5-Notice	**HSL-LOGGING IMPLICIT-ACL** vpn: [dec], source: [chars]/[dec], destination: [chars]/[dec], protocol: [dec], tos: [dec], reason: [chars], packets: [dec], bytes: [dec], ingress-interface: [chars], egress-interface: [chars]	This syslog is generated whenever a packet hits implicit ACL	defwadm	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
GEOFENCE-2-DEVICE_LOCATION_INSIDE	2-Critical	Device location is inside Geofencing range ([chars]) current latitude/longitude: (%.6f, %.6f)	This syslog is generated when the device location is inside configured Geofencing range	geo-fencing	No action is required
GEOFENCE-2-DEVICE_LOCATION_LOST	2-Critical	Device location unavailable [chars]	This syslog is generated when the device location is lost	geo-fencing	No action is required
GEOFENCE-2-DEVICE_LOCATION_OUTSIDE	2-Critical	Device location is outside Geofencing range, current latitude/longitude: (%.6f, %.6f)	This syslog is generated when the device location is outside configured Geofencing range	geo-fencing	No action is required
GEOFENCE-5-DEVICE_LOCATION_UPDATE	5-Notice	Device location changed by more than 20 meters from last report, current latitude/longitude: (%.6f, %.6f)	This syslog is generated when the device moves within configured Geofencing range	geo-fencing	No action is required
GEOFENCE-6-DEVICE_TRACKING_STARTED	6-Information	Device Tracking started in Geofencing mode ([chars])	This syslog is generated when device tracking is started	geo-fencing	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
GEOFENCE-6-DEVICE_TRACKING_STOPPED	6-Information	Device Tracking stopped in Geofencing mode	This syslog is generated when device tracking is stopped while Geofencing feature is enabled	geo-fencing	No action is required
GEO_CLOUDM-5-EXEC_CLI	5-Notice	Exec CLI : [chars]	Information message related to exec cli	exec-cli	LOG_STD_NO_ACTION
GEO_CLOUDM-5-RANGING_REQUEST	5-Notice	Ranging request : [chars]	Information message related to ranging request	exec-cli	LOG_STD_NO_ACTION
GNMIB-5-SRV_ADMIN_SCN	5-Notice	Component [[chars]] administrative state: [chars]	gnmib component administrative state	gnmib	ACTION_NONE_REQUIRED
GNMIB-5-SRV_OPER_SCN	5-Notice	Component [[chars]] operational status: [chars]	gnmib component operational status	gnmib	ACTION_NONE_REQUIRED
GNMIB-6-GRPC_CON_STATE	6-Information	Received gRPC [chars] from [chars] for RPC [chars]	gRPC Connection state logging	gnmib	ACTION_NONE_REQUIRED
GNMIB-6-GRPC_CON_STATE_AUTH	6-Information	Received gRPC [chars] from [chars] for RPC [chars] for user [chars] group [chars]	gRPC Connection state logging with user authentication	gnmib	ACTION_NONE_REQUIRED
GNMIB-6-GRPC_TUNN_SESS	6-Information	Received gRPC Tunnel session request from [chars] for Target Type [chars]	gRPC Tunnel state logging	gnmib	ACTION_NONE_REQUIRED

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
GNMIB-6-GRPC_TUNN_STATE	6-Information	Connected to gRPC Destination [chars] ([chars]) with Targets[[chars]] using [chars]:[chars]	gRPC Tunnel state logging	podisgrnifa	ACTION_NONE_REQUIRED
GREENLIB-6-SUBSCRIPTION_RECORD_NOT_SENT	6-Information	Subscription record from DB [[chars]] and table [[chars]] was not sent out due to [[chars]]	A record for an On-change Subscription was not sent due to the size of the record being too large	iosxe-p-db	LOG_STD_ACTION
HFSLIB-3-HFSINOFFAILED	3-Error	Inotify failed to initialize : [chars]	This error occurs when the inotify sub-system is misbehaving	ioscdnsing	LOG_STD_NO_ACTION
HFSLIB-3-HFSINOWATCH	3-Error	Inotify failed to add a watch: [chars]	This error occurs when the inotify sub-system is misbehaving	ioscdnsing	LOG_STD_NO_ACTION
HFSLIB-3-HFSOPEN	3-Error	Problem accessing the udev generated file: [chars]	No explanation.	ioscdnsing	LOG_STD_NO_ACTION
HL_CORE3MAY_DEFER_WRAPPER_RESCHEDULE_FAILED	3-Error	Failed to (re)schedule CPUHOG protected loop. Operation will be aborted. Please check the logs for more details.	Hyperlocation was interrupted while trying to defer a looping operation and can not continue.	ioscdnsult	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
HL_MGR-3-CMX_IPV6_IN_FABRIC	3-Error	CMX [chars] connected over IPv6 which is not currently supported for Hyperlocation in Fabric mode.	Currently the Fabric mode only operates over IPv4.	isebinruls	Please connect the CMX over IPv4, or change the mode to flex/local.
HL_MGR-3-NEXTHOP_OUTPUT_INTERFACE_NOT_SVI	3-Error	CMX [chars] is reachable through a routed port with MAC address %pM. This deployment configuration is not supported for Hyperlocation	CMX should be reachable via a SVI (VLAN) interface for traffic forwarding to be operational	isebinruls	Please rejoin CMX.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
HMAN-2-INITIALIZATION_FAILED	2-Critical		Host Manager initialization failed.	Initialization of the host manager failed.	iosxchostmgr	Review Host Manager logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtools.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.
HMAN-3-CONSOLE_SETUP_FAILED	3-Error		Failed to setup console service. It should be enabled on [chars]	Setup of a console service failed.	iosxchostmgr	Check the host manager launch parameters and correct as required.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
HMAN-3-HOSTNAME_SET_FAILED	3-Error		Failed to set hostname: [chars]	The host manager received notification that the system hostname has been set. The host manager failed to pass this value to the ASR kernel.	ios-hostmgr	Repeat the process to configure the hostname. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/bugtools/bgt If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/CaseOpen or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
HMAN-3-VRF_API_FAILED	3-Error	[chars], vrf ([chars]) - ret ([dec])	The host manager has received notification that the VRF information needs to be modified. The host manager failed to perform the operation due to the error indicated in the log.	iosxchmgr	Collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
HMAN_CPU-3-PAGE_FAULT_HIGH	3-Error	CPU Usage due to Memory Pressure exceeds threshold on [chars]. Below are the top 5 memory consuming processes: [chars] (PID=[dec]; RSS=[dec] KB), [chars] (PID=[dec]; RSS=[dec] KB), [chars] (PID=[dec]; RSS=[dec] KB), [chars] (PID=[dec]; RSS=[dec] KB), [chars] (PID=[dec]; RSS=[dec] KB)	When CPU usage due to Major Page Fault exceeds a pre-defined threshold for a CPU core, this error message is emitted.	iosxchmgr	No action is needed if system continues to perform as expected. If system performance deteriorate (and eventually, system reloads due to unspecified reason) around the time when this message is observed, open a case with the Technical Assistance Center via the following Internet link, or contact your Cisco technical support representative: http://www.cisco.com/go/ctas

Facility-Severity-Mnemonic	Severity	Message	Msg-Id	Component	Recommended-Action
HW_IDPROM_ENVMON-2-ACT2_UDI_DATA_INVALID	2-Critical	The act2 udi secure area format mismatch with unsecure area		iose-bios	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			<p>This Router may not have been manufactured by Cisco or with Cisco's authorization. This product may contain software that was copied in violation of Cisco's license terms. If your use of this product is the cause of a support issue, Cisco may deny operation of the product, support under your warranty or under a Cisco technical support program such as Smartnet. Please contact Cisco's Technical Assistance Center for</p>		

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
			more information.		
HW_IDFROM_ENVMON3HW_IDFROM_CHECKSUM_INVALID	3-Error	The idprom contains an invalid checksum in a sensor entry. Expected: %x, calculated: %x	If this error occurs then parsing of the environmental monitoring data is aborted. Environmental monitoring will be either incomplete or absent entirely.	iosetbinsults	LOG_STD_RECUR_ACTION
HW_IDFROM_ENVMON3HW_IDFROM_FIELD_INVALID	3-Error	The idprom contains an invalid environmental monitoring field.	If this error occurs then parsing of the environmental monitoring data is aborted. Environmental monitoring will be either incomplete or absent entirely.	iosetbinsults	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
HW_IDPROM_ENVMON-3-PS_IDPROM_INVALID_PID	3-Error		[chars] in slot PFU[dec] has INVALID PID [chars] and it needs to be replaced immediately	The PID read from the PEM IDPROM is not supported in this hardware configuration. It will be allowed to continue but immediate replacement is required	is not changing	LOG_SID_RECUR_ACTION
HW_PFU-3-PFU_IDPROM_CORRUPT	3-Error		The PEM/FM idprom could be read, but is corrupt in slot P[dec] The system will run without environmental monitoring for this component	The idprom contains information required in order to properly operate the environmental monitoring subsystems. The idprom could not be read, therefore no monitoring will take place.	is not changing	LOG_SID_RECUR_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
HW_PFU-3-PFU_IDPROM_INVALID_PID	3-Error		The PEM/FM idprom has invalid PID in slot PFU[dec] The system will run without environmental monitoring for this component	The idprom contains PID information required in order to properly operate the environmental monitoring subsystems. The idprom PID is invalid , therefore no monitoring will take place.	idprom	LOG_SID_RECUR_ACTION
HW_PFU-3-PFU_IDPROM_READ_ERR	3-Error		Could not read the PEM/FM idprom in slot P[dec].The system will run without environmental monitoring for this component	The idprom contains information required in order to properly operate the environmental monitoring subsystems. The idprom could not be read, therefore no monitoring will take place.	idprom	LOG_SID_RECUR_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
HW_PFU-3-PFU_UNSUPPORTED_PID	3-Error		The PEM/FM in slot P[dec] is not supported. The system will run without environmental monitoring for this component	The PEM/FM inserted in not supported by this platform. Replace with a supported module.	as00smp3	LOG_SID_RECUR_ACTION
ID_MANAGER-3-ID_MANAGER_INTERNAL_ERROR	3-Error		Internal error occurred: [chars]	Internal Error occurred with ID Manager	isecbmsult	LOG_STD_ACTION
ID_MANAGER-3-INVALID_ID	3-Error		bad id in [chars] (id: 0x%08X)	An ID Manager error occurred	isecbmsult	LOG_STD_ACTION
ID_MANAGER-3-INVALID_ID_TABLE_SIZE	3-Error		bad new ID table size	A bad new table request to ID Manager occurred	isecbmsult	LOG_STD_ACTION
IFM-3-RSRC_L3_LE_ERR	3-Error		Interface [chars] creation failed due to L3 Interface hardware resource exhaustion	Hardware resource for L3 Interface exhausted and the requested interface will not be created.	INVALID	Collect output of show platform hardware fed switch <switch number> fwd-asic resource utilization command. Check if RSC_L3IF_LE has exhausted. If yes, free up any unused L3 Interfaces by doing no interface <interface> and retry creating the failed interface.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
ILET-2-AUTHENTICATION_FAIL	2-Critical	The system integrity check has failed during the boot-up sequence. Please contact Cisco's Technical Assistance Center for more information.	Trusted Anchor module detected an invalid SUDI.	ios-hostmgr	Please contact Cisco's Technical Assistance Center for more information
IM-0-EVENT_LIBRARY	0-Emergency	An event facility initialization or maintenance function failed because [chars]	An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	polaris-infra	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
IM-0-UIPEER_CREATE	0-Emergency	Failed to create user interface peer.	The system failed to create a user interface peer.	polaris-infra	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IM-2-ACTIVATION_STATE	2-Critical		[chars] '[chars]' [chars] [chars]	The activation state of the named virtualization service has changed as notified by IOx-manager	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.
IM-2-ALLOC_VIRT_INST_RCS	2-Critical		Virtualization Service[chars]	A memory allocation request failed to allocate a data structure required to activate the virtualization service.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-CPUSHARES_LIMIT	2-Critical		Virtualization Service[chars]	The virtualization service machine definition file is requesting more CPU shares than the system has available for virtualization services.	polaris-infra	Deactivate any other virtualization services to free up CPU share resources and activate this virtualization service. If that does not address the problem, then enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
IM-2-DEACT_FOR_ISSU	2-Critical	[chars] Max ([dec]s)	An ISSU event is pending. Any active VMs will be automatically deactivated to allow ISSU preprocessing to validate the environment. Any ISSU deactivated VMs will be automatically restarted if the ISSU is cancelled.	polaris-infra	None. Allow the ISSU to continue and the VMs will restart when the ISSU completes; or cancel the ISSU and IOx-manager will automatically restart the VMs.
IM-2-DISK_IMAGE_PATH	2-Critical	Virtualization Service[chars]	The virtualization service machine definition file contains an invalid disk image path for one of the disk devices. This may be a Harddisk, CDROM or USB storage device.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
IM-2-FIND_VIRT_INST_ENTRY	2-Critical	Failed to find virtualization service with id [dec] in the IOx-manager list	The virtualization service with the ID named could not be located in the IOx-manager list.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-GENERAL_FAILURE	2-Critical	Virtualization Service[chars]	The named virtualization service has triggered the log. Please interpret the log in the context of the virtualization services.	polaris-infra	No action is required
IM-2-GUESTSHELL_ENABLED	2-Critical	The guest shell has been enabled. The command '[chars]' may be used to access it, '[chars] destroy' to remove it.	Informs the user that the guest shell virtualization service has been enabled (which is done by default).	polaris-infra	The user may use or remove the guest shell with the commands specified.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
IM-2-HA_STATE	2-Critical	[chars] [chars] [chars] [chars]	IOx-manager tries to detect the role/slot of various nodes on HA events from the platform. If any of those event callbacks fail, this notification would be raised.	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.
IM-2-HA_SWITCHOVER_STATE	2-Critical	[chars] [chars] [chars] [chars]	IOx-manager HA switchover state related messages for a virtual-service whilst it is being recovered on newly active RP after a HA switchover.	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.
IM-2-HA_SYNC_ERR	2-Critical	[chars] '[chars]' [chars]	The ha-sync persistent storage disk for the virtualization service cannot be watched for sync to standby RP.	polaris-infra	Collect the IOx-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IM-2-HA_SYNC_THREAD_STATE	2-Critical		HA remote synchronize thread has failed and exited.	IOx-manager tries to remote sync the OVA repository to all online nodes using a separate thread. If that thread fails, this notification would be raised.	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the pthread error msg and root cause the same.
IM-2-INITIALIZATION_FAILED	2-Critical		Initialization of [chars] failed for IOx Manager	Initialization of IOx Manager process failed.	polaris-infra	Review ioxman logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log.
IM-2-INSTALL_FAILURE	2-Critical		Virtualization Service[chars]	The installation of the virtualization service failed.	polaris-infra	Enable the IOx-manager trace logs and repeat the installation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
IM-2-INSTALL_LOG	2-Critical	[chars] [chars] [chars] [chars]	The installation log of the named virtualization service, is to provide more information about long running operation, that could affect the control of CLI	polaris-infra	No action is required
IM-2-INSTALL_MEDIA_RETRY	2-Critical	VM install media still unavailable.[chars]	The install media was not detected. Waiting for udev to complete install media(harddisk) detection.	polaris-infra	After IOx-manager exceeds the maximum retry limit, verify if install media (harddisk) is accessible and retry the installation again.
IM-2-INSTALL_STATE	2-Critical	[chars] '[chars]'[chars] [chars]	The installation state of the named virtualization service has changed as notified by IOx-manager	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
IM-2-INVALID_ACT_MSG	2-Critical		Virtualization Service[chars]	The virtualization service activate message was received, however, the data it contained could not be interpreted	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-INVALID_DEACT_MSG	2-Critical		Failed to process virtualization service deactivate message	The virtualization service deactivate message was received, however, the data it contained could not be interpreted	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-INVALID_UNPROV_MSG	2-Critical		Failed to process virtualization service unprovision message	The virtualization service unprovision message was received, however, the data it contained could not be interpreted	polaris-infra	Enable the IOx-manager trace logs and repeat the activation followed by deactivation and then unprovision of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
IM-2-IOX_INST_CRIT	2-Critical	IOX SERVICE [chars] LOG: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	polaris-infra	No action is required
IM-2-IOX_INST_LOG_UNTHROTTLE	2-Critical	Failed to unthrottle the log for IOX service [chars]	The named IOX service had sent overwhelming sys log messages and its log had been throttled as a result, but system has failed to unthrottle it for some reason.	polaris-infra	For debugging collect the ioxman logs and scan them for the cause.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IM-2-MEMORY_LIMIT	2-Critical		Virtualization Service[chars]	The virtualization service machine definition file is requesting more memory than the system has available for virtualization services.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-MOVE_STATE	2-Critical		[chars] '[chars]' [chars] [chars]	The move of the core or log file of the named virtualization service has as been successful or failed as notified by IOx-manager.	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.
IM-2-NETWORK_CONFIG_ERROR	2-Critical		Virtualization Service[chars]	A network configuration error has been detected for the named virtualization service.	polaris-infra	No action is required

Facility-Severity-Mnemonic	Severity	Message	MsgID	Component	Recommended-Action
IM-2-RESET_FORCE	2-Critical	Virtualization Services non-recoverable reset command processed		polaris-infra	Once the command is entered and accepted, there is no recourse but to restart the system.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			<p>A 'virtualization service reset force' command has been entered and processed. This action initiates a cleanup of last resort. Occasionally a VM will get into an unrecoverable state that prevents it from activating but also from uninstalling. This is a rare event but when it happens the only resort may be to remove the .conf control file and reboot, which forces a cleanup of all previously installed VM files and artifacts. Note that</p>		

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
			once this command is used, current VMs are considered to be in an unstable or unpredictable state, and all future install, uninstall, upgrade, and activation commands will be blocked.		
IM-2-RESIZE_OPER_STATE	2-Critical	Virtualization service '[chars]' [chars][chars] to '[dec]' [chars]	IOx-manager attempts to resize various VM parameters like rootfs size, CPU share, memory if requested by user. Success/failure status messages for these resize operations are communicated by this syslog.	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
IM-2-RSYNC_STATE	2-Critical	[chars] [chars] [chars] [chars]	IOx-manager tries to remote sync the virtual instance configuration file and the OVA repository to all online nodes. If rsync fails even after consecutive retries, this notification would be raised.	polaris-infra	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the rsync error code and root cause the same.
IM-2-START_FAILED	2-Critical	Virtualization Service[chars]	The named virtualization service failed to start.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-UNINSTALL_ALL_VMS	2-Critical	All Virtualization Services are being uninstalled [chars][chars] [chars]	All virtualization services are being uninstalled by IOx-manager	polaris-infra	Examine the reason given as to why all virtualization services are being uninstalled for more information. If the reason indicated is due to some error condition, check IOx-manager's logs for the cause of the failure.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
IM-2-UPGRADE_LOG	2-Critical	[chars] [chars] [chars] [chars]	The upgrade log of the named virtualization service, is to provide more information about long running operation, that could affect the control of CLI	polaris-infra	No action is required
IM-2-VCPU_INVALID	2-Critical	Virtualization Service[chars]	The virtualization service machine definition file is requesting invalid VCPU value.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-VCPU_LIMIT	2-Critical	Virtualization Service[chars]	The virtualization service machine definition file is requesting more VCPUs than the system has reserved for virtualization services.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
IM-2-VIRT_INST_DISK	2-Critical	Virtualization Service[chars]	The virtualization service requires Disk Storage in excess of the Free Disk Storage available to virtualization services.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.
IM-2-VIRT_INST_LOG_UNTHROTTLE	2-Critical	Failed to unthrottle the log for virtualization service [chars]	The named virtualization service had sent overwhelming sys log messages and its log had been throttled as a result, but system has failed to unthrottle it for some reason.	polaris-infra	For debugging collect the iox-manager logs and scan them for the cause.
IM-2-VIRT_INST_MEMORY	2-Critical	Virtualization Service[chars]	The virtualization service requires physical memory in excess of the free memory available to virtualization services.	polaris-infra	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
IM-2-VIRT_INST_MGMT_INTERFACE	2-Critical	Virtualization service [chars] has no management interface defined but it is configured in CLI.	A management interface is configured but none is defined.	polaris-infra	Deactivate the virtualization service, remove the management interface configuration CLI, and reactivate the virtual-service.
IM-2-VIRT_INST_STATE	2-Critical	Virtualization Service[chars]	The named virtualization service has failed. It is no longer running either because the guest OS has failed, the guest OS has shut down the machine or the emulator has failed.	polaris-infra	An attempt at restarting the virtualization service can be made from the IOS configuration by doing a no activate/activate. For debugging collect the IOx-manager logs and scan them for the cause.
IM-3-IOX_INST_ERR	3-Error	IOX SERVICE [chars] LOG: [chars]	The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.	polaris-infra	No action is required
IM-3-IOX_NETMASK_ERR	3-Error	app configuration has wrong [chars] netmask.	The netmask configuration is wrong.	polaris-infra	Configure guest-ipaddress with IPV4 or IPV6 netmask.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IM-3-PSS_ERR	3-Error		Purpose: [chars], URI: [chars], errcode: [dec]	Persistent Storage Service handling error	polaris-infra	Collect the IOx-manager logs and scan them for the cause.
IM-3-PSS_SNAPSHOT_ERR	3-Error		Source URI: [chars], Destination URI: [chars], errcode: [dec]	Persistent Storage Service snapshot error	polaris-infra	Collect the IOx-manager logs and scan them for the cause.
IM-3-SDWRAP_ERR	3-Error		Description: [chars], errcode: [dec]	Debug infrastructure error	polaris-infra	Collect the IOx-manager logs and scan them for the cause.
IM-4-HA_SYNC_NEEDED	4-Warning		If using the guest shell, please use 'guestshell sync' if you want to preserve state on standby in case of supervisor switchover	Message notifying user that he needs to manually synchronize the Virtualization service contents to standby supervisor in order to preserve these contents in case of a supervisor switchover. Currently only applicable to the guest shell	polaris-infra	User can type the 'guestshell sync' command on active supervisor to synchronize it's contents to the standby supervisor if desired.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
IM-4-IOX_INST_WARN	4-Warning	IOX SERVICE [chars] LOG: [chars]	The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.	polaris-infra	No action is required
IM-4-VIRT_SERVICE_DEPRECATE_MSG	4-Warning	Virtual-service CLI's are being deprecated. Please migrate to app-hosting CLI's	Virtual-service CLI's will be deprecated. Please migrate to app-hosting CLI's	polaris-infra	Upgrade to use app-hosting CLI's for configuring IOX applications
IM-4-WATCHDOG_TIMER	4-Warning	[chars] '[chars]' [chars] [chars]	The watchdog timer configured for the named virtual service has expired.	polaris-infra	Check any logs produced by the virtualization service to determine the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
IM-5-AUX	5-Notice	Virtualization Service[chars]	The AUX login to a virtualization service may allow the user access to system functions that may not have been tested or may interact with the system in unintended ways. Use with caution.	polaris-infra	No action is required
IM-5-IOX_INST_NOTICE	5-Notice	IOX SERVICE [chars] LOG: [chars]	The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.	polaris-infra	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
IM-5-IOX_IPV6_NOTICE	5-Notice	guest-interface([dec]), IPV6 address configured with guest-ipaddress is ignored	The IPV6 address configuration with guest-ipaddress is ignored. 'ip v6-address' has been configured and multiple static IPV6 addresses are not supported	polaris-infra	Configure guest-ipaddress with IPV4 address.
IM-5-IOX_NOTICE	5-Notice	app-hosting: [chars]	The generic IOX notice. Please interpret the log in the context of the information provided.	polaris-infra	No action is required
IM-5-IOX_URL_COPY_MSG	5-Notice	URL Copy: [chars]	Copy a package file from URL	polaris-infra	Check if 'ip name-server', 'ip name-server vrf Mgmt-vrf' and 'ip http' are configured properly for the device
IM-5-IOX_VPG_IPV6_MSG	5-Notice	no IPv6 address for VirtualPortGroup[dec] in IOS_Oper_DB	VirtualPortGroup IPv6 address is not present in IOS_Oper_DB	polaris-infra	Check if 'show ip interface brief' displays IPv6 for the VirtualPortGroup

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
IM-5-PERMISSION_DENIED	5-Notice	Virtualization Service '[chars]' is not owned by client IOSd	An attempt was made to modify a virtual-service that is not owned by the client. The request was rejected.	polaris-infra	No action is required.
IM-6-ACTIVATE_MSG	6-Information	app-hosting: [chars]	Message for activating an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-DEACTIVATE_MSG	6-Information	app-hosting: [chars]	Message for deactivating an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-INSTALL_MSG	6-Information	app-hosting: [chars]	Message for installing an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-IOX_ENABLEMENT	6-Information	IOX is ready.	Message for IOX enablement.	polaris-infra	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
IM-6-IOX_INST_INFO	6-Information	IOX SERVICE [chars] LOG: [chars]	The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.	polaris-infra	No action is required
IM-6-IOX_MEDIA_MSG	6-Information	dynamic media: [chars]	Message for IOX shared median	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-IOX_RECONCILE_INFO	6-Information	App-hosting application reconcile process [chars]	Indicates stage of reconcile (application recovery) process.	polaris-infra	No action is required
IM-6-IOX_START_FAIL	6-Information	[chars] failed to start	Indicates starting an app after installation.	polaris-infra	No action is required
IM-6-IOX_START_INFO	6-Information	[chars] cannot be started because it is not installed	Indicates starting an app before installation.	polaris-infra	No action is required
IM-6-IOX_START_SUCCESS	6-Information	[chars] is in RUNNING state	Indicates starting an app after installation.	polaris-infra	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
IM-6-START_MSG	6-Information	app-hosting: [chars]	Message for starting an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-STOP_MSG	6-Information	app-hosting: [chars]	Message for stopping an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-UNINSTALL_MSG	6-Information	app-hosting: [chars]	Message for uninstalling an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-UPGRADE_MSG	6-Information	app-hosting: [chars]	Message for upgrading an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-6-VERIFICATION_MSG	6-Information	app-hosting: [chars]	Message for signature verification	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IM-7-IOX_INST_DEBUG	7-Debug	IOX SERVICE [chars] LOG: [chars]	The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.	polaris-infra	No action is required

Facility-Severity-Mnemonic	Severity	Message	MsgID	Component	Recommended-Action
IMGR-0-FIPS_CPP_CLIENT_BYPASS_TEST	Emergency	CPP Client FIPS bypass test failed for [chars]\n.	Forwarding Manager CPP client IPSEC bypass test failed. This could be due to a hardware malfunction or a software defect.	ios-fw-mgr	If the problem persists reboot the forwarding processor (ESP).
IMGR-0-FIPS_FMFP_BYPASS_TEST	Emergency	NIST bypass test failed for [chars].\n	Forwarding Manager IPsec component detected a discrepancy when adding or deleting a security sensitive object. This could be due to a hardware or software resource limitation or a software defect.	ios-fw-mgr	Check the logs for information on the relevant object download states. Remove the object or a parent object in question. If the problem persists reboot the forwarding processor (ESP).
IMGR-0-FIPS_FMFP_N2_SEVERE_ERR_FAIL	Emergency	Cryptographic coprocessor severe failure: [chars]\n.	Cryptographic coprocessor critical operation failed. Further data processing on ESP is halted	ios-fw-mgr	forwarding processor (ESP) is rebooted automatically. no action needed

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
IMGR-6-FIPS_FMFP_CRNG_TEST	6-Information	continuous [chars]approved RNG test failed.\n	Forwarding Manager IPsec component detected two identical random number sequences. This could be due to a hardware malfunction or a software defect.	ios-xe-fw-mgr	If the problem persists reboot the forwarding processor (ESP).
IMGR-6-FIPS_FMFP_KAT_TEST	6-Information	power up cryptographic self-test did not run to completion: [chars]\n.	Forwarding Manager power up known answer self-test (KAT) failed. This could be due to a hardware malfunction or a software defect.	ios-xe-fw-mgr	If using ipsec, reboot the forwarding processor (ESP).
IMGR-6-FIPS_FMFP_N2_ERR_FAIL	6-Information	Cryptographic coprocessor non-critical failure: [chars]\n.	Cryptographic coprocessor non-critical operation failed. If the problem persists reboot the forwarding processor(ESP)	ios-xe-fw-mgr	If the problem persists reboot the forwarding processor (ESP).

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
IMGR-6-FIPS_FMFP_OLAP_TEST	6-Information	FIPS-approved RNG key seed and state overlap.\n	Forwarding Manager IPsec component detected an overlap in FIPS-approved RNG key seed and state. This could be due to a hardware malfunction or a software defect.	ios-fw-dmgr	If the problem persists reboot the forwarding processor (ESP).
IMGR-6-FMFP_CRYPTODEV_BUSY	6-Information	All Crypto Device cores are busy with data packets.\n	All ESP crypto device are busy.	qfp-ipsec	May need to lower crypto traffic rate.
IMGR-6-FMFP_IPSEC_CRYPTO_CTRL_THROTTLED	6-Information	IPsec Control Plane Overload Crypto Device: [chars].	This ESP crypto device is overloaded.	qfp-ipsec	May need to config platform ipsec control-plane medium heavy
IMGR-6-FMFP_IPSEC_MIN_MTU_INFO	6-Information	MTU smaller than minimum IPsec MTU, [chars]\n.	Minimum MTU supported by crypto processor is 256B, MTU lower than 256B is set to 256B	ios-fw-dmgr	No action needed
IMGR-6-FMFP_IPSEC_UNSUPPORTED_CIPHER	6-Information	Cipher [chars] is not supported on this ESP.	This ESP does not support this IPsec cipher	ios-fw-dmgr	No action needed

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
IMGR-6-FMFP_KAT_TEST_RESULT	6-Information	crypto self-test for algorithm: ([chars] ... passed)\n.	Forwarding Manager power up known answer self-test (KAT) success. This is not an error message	ios-xe-fwdmgr	No action needed.
INSTALL-3-ACTIVATE_ABORTED	3-Error	Activation operation failed for version [chars]	This log is generated image activation fails	cedge-install	No action is required
INSTALL-3-ACTIVATE_FAILED	3-Error	Aborting activate operation	This log is generated activation is aborted	cedge-install	No action is required
INSTALL-3-CONTROL_CONN_DOWN	3-Error	Device cannot form control connection with SD-WAN Manager for [dec] seconds. Upgrade status cannot be posted to SD-WAN Manager	This log is generated when we cannot deliver upgrade status to Cisco SD-WAN Manager since control connection is down	cedge-install	No action is required
INSTALL-3-DOWNLOAD_ABORTED	3-Error	Aborting download operation	This syslog is generated when download operation is aborted	cedge-install	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
INSTALL-3-INSTALL_ABORTED	3-Error		Aborting image install operation	This syslog is generated when download operation is aborted	cedge-install	No action is required
INSTALL-3-INSTANT_ERROR_MESSAGE	3-Error		Error Message: [chars]	This message is used to send a instant error message.	ioscbinsults	No action required.
INSTALL-3-LOCK_ACQUIRE_FAILED	3-Error		Cannot acquire upgrade lock, reason: [chars]	This syslog is generated when upgrade lock cannot be acquired for given reason	cedge-install	Wait for previous operation to complete before starting new workflow
INSTALL-3-OPERATION_ERROR_MESSAGE	3-Error		Failed to [chars] package [chars], Error: [chars]	This message is used to inform the failure reason.	ioscbinsults	Please refer to the error message to analyze the cause of failure.
INSTALL-3-PRECHECK_STATUS_DELIVERY_FAILED	3-Error		Failed to deliver pre-upgrade check [[chars]] status to SD-WAN Manager	This syslog is generated when pre-upgrade check status cannot be delivered to Cisco SD-WAN Manager	cedge-install	This can be an interim state where control connection can be down. Software upgrade workflow can be retried once the control connectivity is restored

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
INSTALL-3-SMU_ACTIVATE_ABORTED	3-Error	SMU activation aborted	This log is generated when SMU activation cannot continue (or) fails because of a reason	cedge-install	No action is required
INSTALL-3-SMU_ACTIVATE_FAILED	3-Error	SMU activation failed, reason: [chars]	This log is generated when SMU activation cannot continue (or) fails because of a reason	cedge-install	No action is required
INSTALL-3-SMU_DEACTIVATE_FAILED	3-Error	SMU deactivate operation failed, reason: [chars]	This log is generated when SMU deactivation cannot continue (or) fails because of a reason	cedge-install	No action is required
INSTALL-3-SMU_INSTALL_ABORTED	3-Error	Aborting install SMU operation	This log is generated when SMU activation succeeds	cedge-install	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
INSTALL-3-SMU_REMOVE_FAILED	3-Error	SMU remove operation failed, reason: invalid SMU version [[chars]] provided	This log is generated when SMU removal fails because of incorrect version	cedge-install	No action is required
INSTALL-3-SMU_UPGRADE_CONFIRM_DISALLOWED	3-Error	Image activation is in progress. Please use 'request platform software sdwan software upgrade-confirm' CLI	This log is generated when user is trying to confirm SMU upgrade-confirm while activation is in progress	cedge-install	'request platform software sdwan software upgrade-confirm' should be issued when this log is observed
INSTALL-3-UPDATE_STATUS_DELIVERY_FAILED	3-Error	Failed to deliver update-status [[chars]] to SD-WAN Manager, message: [chars]	This syslog is generated when upgrade status cannot be delivered to Cisco SD-WAN Manager	cedge-install	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Msg Explain	Component	Recommended-Action
INSTALL-3-UPGRADE_ABORTED	3-Error	SD-WAN Manager no longer accepts REST request for transaction-identifier [chars]. [chars]	This syslog is generated when SD-WAN Manager denies REST API during upgrade workflow. This could imply that device is working on stale transaction	cedge-install	Please contact Cisco TAC for assistance
INSTALL-3-UPGRADE_CONFIRM_DISALLOWED	3-Error	SMU activation/deactivation is in progress. Please use 'request platform software sdwan smu upgrade-confirm' CLI	This log is generated when user is trying to confirm software upgrade when SMU activation/deactivation is in progress	cedge-install	'request platform software sdwan smu upgrade-confirm' should be issued when this log is observed
INSTALL-4-DOWNGRADE_DISALLOWED	4-Warning	You are trying to activate an old image which will remove all the config and bring the router back to day-0 state. Please specify 'clean' after activate <version> to proceed.	Downgrade is not allowed without 'clean' option	cedge-install	Provide 'clean' option while activating old image, exercise with caution

Facility-Severity-Mnemonic	Severity	Message	Msg-Id	Component	Recommended-Action
INSTALL-4-OLD_IMAGE_ACTIVATION	4-Warning	Old version being activated. Any config modifications done in [chars] will not be updated in [chars]	This log is generated when user tries to activate a previously installed image	cedge-install	No action is required
INSTALL-4-SCHEDULED_INSTALL_MISMATCH	4-Warning	Current version is not same as the version [chars] when install operation was scheduled	This syslog is generated when the installer script finds out that the current software version is different than the one when the operation was scheduled	cedge-install	No action is required
INSTALL-5-AUTO_CONFIRM	5-Notice	Auto upgrade-confirm [chars]	This log is generated when upgrade is autoconfirmed	cedge-install	No action is required
INSTALL-5-DOWNLOAD_PARAMS	5-Notice	timeout: [dec] seconds, VPN: [chars], protocol [chars]	This syslog displays download parameters sent by SD-WAN Manager to device	cedge-install	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended Action
INSTALL-5-INSTALL_AUTO_ABORT	5-Notice		Install auto abort timer expired: initiating abort	An install operation has been aborted because the auto abort timer has expired.	iosxe-binsults	No user action is needed. If you want to commit the ISSU upgrade, redo the upgrade. Otherwise, this is an informational message only.
INSTALL-5-INSTALL_AUTO_ABORT_TIMER_PROGRESS	5-Notice		Install auto abort timer will expire in [dec] seconds	An install operation will be aborted after specified seconds of time.	iosxe-binsults	No user action is needed. If you want to commit the ISSU upgrade, redo the upgrade. Otherwise, this is an informational message only.
INSTALL-5-INSTALL_COMPLETED_INFO	5-Notice		Completed [chars] [chars] [chars]	This message is used to indicate the completion of install operations.	iosxe-p-install	No action required. This is not an error, it is an indication that the system completed this operation.
INSTALL-5-INSTALL_SCHEDULE_TIMER_PROGRESS	5-Notice		Install schedule timer will expire in [dec] seconds	An install operation will be started after specified seconds of time.	iosxe-p-install	No user action is needed. This is an informational message only.
INSTALL-5-INSTALL_START_INFO	5-Notice		Started [chars] [chars] [chars]	This message is used to indicate the beginning of install operations.	iosxe-p-install	No action required. This is not an error, it is an indication that the system is starting this operation.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
INSTALL-5-OPERATION_COMPLETED_INFO	5-Notice	Completed [chars] package [chars]	This message is used to indicate the completion of operations.	ise-binutils	No action required. This is not an error, it is an indication that the system completed the operation.
INSTALL-5-OPERATION_START_INFO	5-Notice	Started [chars] package [chars]	This message is used to indicate the beginning of operations.	ise-binutils	No action required. This is not an error, it is an indication that the system is starting the operation.
INSTALL-5-PRECHECK_STATUS	5-Notice	[[chars]] [chars]: [chars]	This syslog is generated when pre-upgrade checks are done during upgrade workflow	cedge-install	No action is required
INSTALL-5-SMU_ACTIVATE_SUCCEEDED	5-Notice	Activation of SMU successful via CLI. Proceed to upgrade-confirm via CLI	This log is generated when SMU activation succeeds	cedge-install	No action is required
INSTALL-5-SMU_DEACTIVATE_SUCCEEDED	5-Notice	De-activation of SMU successful. Proceed to upgrade-confirm via CLI	This log is generated when SMU deactivation succeeds	cedge-install	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
INSTALL-5-UPDATE_STATUS	5-Notice		Upgrade update-status [[chars]], message: [chars]	This syslog is generated for every step completed in upgrade workflow, which is triggered via CLI	cedge-install	No action is required
INSTALL-5-UPDATE_STATUS_DELIVERED	5-Notice		[chars]: message: [chars]	This syslog is generated when upgrade status is delivered to Cisco SD-WAN Manager	cedge-install	No action is required
IOMD_ETHER_GEIM-2-MAX_LIMIT_XCVR	2-Critical		Number of [chars] that can be supported has reached the max limit of [dec], transceiver is err-disabled. Unplug the transceiver in interface [chars]	Because of power constraints, we can support only limited number of high power transceivers in certain platforms. If we insert more than the limit, it will be disabled. It is recommended to unplug the transceiver	INVALID	Unplug the transceiver once the max limit is reached

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_ETHER_GEIM-3-FIFO_OVERFLOW	3-Error		[chars] fifo overflow occurred for port [dec]	A hardware error in phy has occurred	asr900-im	Examine the IOMD logs for Phy driver or hardware errors. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtool.html . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_ETHER_GEIM-3-INTERRUPT_ERR	3-Error		interrupt handling error [chars]	Interrupt could not be handled because of internal sw error	INVALID	Examine the IOMD logs. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/bugtoolkit . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techtools/CaseOpen or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg	Component	Recommended-Action
IOMD_ETHER_GEIM-4-LC_OIR_REQD	4-Warning		Found mismatch between the line card Phy firmware versions bundled in software and programmed in hardware in slot [dec]. To upgrade the Phy firmware to version bundled in software, perform physical OIR of the line card or run the CLI: hw-module subslot [dec]/[dec] oir power-cycle. If ISSU is in progress, firmware upgrade should be done only after the completion of ISSU. To check the firmware versions, use the CLI: show firmware version all		INVALID	To upgrade to latest phy firmware, do physical OIR or soft OIR of the line card using CLI: hw-module subslot <slot>/<bay> oir power-cycle. To view the present phy firmware version, use the CLI: show platform hardware iomd <slot>/<bay> ethernet_controllers phy <port number> api-version or show firmware version all

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			<p>During ISSU the software does not upgrade the PHY firmware. PHY firmware upgrade needs a reset and will lead to data path down time. Hence software avoids PHY firmware upgrade. This causes a mismatch between the firmware bundled in the image and that programmed in the PHY. Due to this mismatch any new features claimed by the new software will not be automatically enabled and needs a manual</p>		

Facility-Severity-Mnemonic	Set-Msg	Message	Msg-Plan	Component	Recommended-Action
			upgrade via power-cycle of the line card		

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explan	Component	Recommended-Action
IOMD_ETHER_GEIM-4-NOT_SUPPORTED	4	Warning	1G Transceiver is inserted in slot [dec] for ports [chars]. The current linecard phy firmware does not support 1G capability. To upgrade the firmware, perform physical OIR of the line card or use the CLI: hw-module subslot [dec]/0 oir power-cycle. If ISSU is in progress, firmware upgrade should be done only after the completion of ISSU		INVALID	To upgrade to latest phy firmware, do physical OIR or soft OIR of the line card using CLI: hw-module subslot <slot>/<bay> oir power-cycle. To view the present phy firmware version, use the CLI: show platform hardware iomd <slot>/<bay> ethernet_controllers phy <port number> api-version or show firmware version all

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			<p>During ISSU the software does not upgrade the PHY firmware. PHY firmware upgrade needs a reset and will lead to data path down time. Hence software avoids PHY firmware upgrade. This causes a mismatch between the firmware bundled in the image and that programmed in the PHY. Due to this mismatch any new features claimed by the new software like 1G will not be automatically enabled and needs</p>		

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			a manual upgrade via power-cycle of the line card		

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg	Comp	Recommended-Action
IOMD_ETHER_GEIM-4-NOT_SUPPORTED_XCVR	4-Warning		1G Transceiver is inserted in slot [dec] for port [dec]. The current linecard phy firmware does not support 1G capability. To upgrade the firmware, perform physical OIR of the line card or use the CLI: hw-module subslot [dec]/0 oir power-cycle		INVALID	To upgrade to latest phy firmware, do physical OIR or soft OIR of the line card using CLI: hw-module subslot <slot>/<bay> oir power-cycle. To view the present phy firmware version, use the CLI: show platform hardware iomd <slot>/<bay> ethernet_controllers phy <port number> api-version or show firmware version all

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			<p>During ISSU the software does not upgrade the PHY firmware. PHY firmware upgrade needs a reset and will lead to data path down time. Hence software avoids PHY firmware upgrade. This causes a mismatch between the firmware bundled in the image and that programmed in the PHY. Due to this mismatch any new features claimed by the new software like 1G will not be automatically enabled and needs</p>		

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
				a manual upgrade via power-cycle of the line card		
IOMD_ETHER_GEIM4QSA28_UNSUPPORTED_MODE	4-Warning		On SLOT [dec], QSA28 transceiver plugged into port [dec] configured in 40G mode is not supported. Please remove QSA28 from the port or configure the port as 100G.	QSA28 is supported only on 100G ports.	INVALID	Unplug QSA28 from the port or change the port configuration to 100G.
IOMD_ETHER_GEIM4QSA_UNSUPPORTED_MODE	4-Warning		On SLOT [dec], QSA transceiver plugged into port [dec] configured in 100G mode is not supported. Please remove QSA from the port or configure the port as 40G.	QSA is supported only on 40G ports.	INVALID	Unplug QSA from the port or change the port configuration to 40G.
IOMD_ETHER_GEIM4-REMOVE_XCVR	4-Warning		Unplug the transceiver in interface [chars], keeping transceiver can have impact on other transceiver in the same port-group	Inserting an incompatible transceiver is not recommended since it can have impact on other transceiver in the same port-group	INVALID	Unplug the incompatible transceiver
IOMD_ETHER_GEIM4UNSUPPORTED_TRANSCEIVER	4-Warning		On SLOT [dec], Transceiver plugged into port [dec] is not supported. Please remove the transceiver.	It's not recommended to insert unsupported transceivers.	INVALID	Unplug the transeiver.

Facility-Severity-Mnemonic	Sub-Mnemo	Message	Msg Explain	Component	Recommended-Action
IOMD_ETHER_GEIM-5-LINK_INCONSISTENCY	5-Notice	Inconsistency detected between hardware and software parameters in slot [dec] for ports [chars], restoring the consistency. Link flap or traffic drop might be observed on these ports during this process	During switchover or ISSU, if the serdes parameters are different in active and standby, these parameters will be reprogrammed. This may result in link flap or traffic drop momentarily	INVALID	No action is required
IOMD_ETHER_GEIM-5-MODULE_REINIT_REQUIRED	5-Notice	Hardware parameters on PHY for slot [dec] need modification, Which may have an impact on link and traffic during switchover. User intervention is required to fix the problem by reloading slot [dec]. Use the command 'hw-module subslot [dec]/0 oir power-cycle' to reset the slot during maintainance	Hardware parameters need to be updated on PHY. Due to hardware limitation these parameters cannot be applied dynamically. For applying these parameters we need reload linecard	INVALID	Perform Linecard reload by using below command so that parameter changes get committed to hardware. If this step is not performed then you may face a link flap and traffic loss during switchover Command : hw-module subslot <slot>/0 oir power-cycle

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
IOMD_ETHER_GEIM-6-STBY_PORTS_INITIALIZED	6-Information	Interfaces on slot [dec] are initialized on standby and ready for switchover	All the interfaces on standby for particular slot is initialized and Interface are ready for switchover.	INVALID	No action is required.
IOMD_ETHER_GEIM-6-UNSUPPORTED_MODE	6-Information	On SLOT [dec] QSFP transceiver plugged into 40G port [dec] and a QSA module plugged into port [dec] is unsupported combination. To linkup the desired connections, please remove QSFP transceiver from port [dec] as well as QSA module from port [dec] and then insert only the required QSFP transceiver or QSA module in the respective port.	Due to a hardware limitation in PHY, QSFP Optics on top port and QSA module on bottom port is not supported	INVALID	Unplug the error disabled transceiver
IOMD_INFRA-3-I2C_READ	3-Error	An I2C read has failed because [chars]	An I2C read has failed. This could be due to a hardware or software defect.	asr900-im	Note the time of the error message and examine the logs for I2C errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_INFRA-3-I2C_WRITE	3-Error		An I2C write has failed because [chars]	An I2C write has failed. This could be due to a hardware or software defect.	asr900-im	Note the time of the error message and examine the logs for I2C errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
IOMD_INFRA-3-INTR_EVENT	3-Error		IOMd fast thread event ([dec]).	IOMd fast thread event	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bug/ . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techassist or contact your Cisco technical support representative and provide the gathered information.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_INFRA-3-INVALID_BAY_NUM	3-Error		An invalid bay number is specified in one of the internal APIs. bay=[dec] max_bay=[dec]	Invalid bay number to find the TDL domain	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtools.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/CaseOpen or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_INFRA-3-INVALID_SLOT_NUM	3-Error	An invalid slot number is specified in one of the internal APIs. slot=[dec] max_slot=[dec]	Invalid slot number to find the TDL domain	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/bugtoolkit . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/CaseOpen or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_INFRA-3-IPCALLOCFAIL	3-Error		Failed to allocate IPC buffer [chars]	The IM failed to allocate a buffer for communication with RSP	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtools/bugtools.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/CaseOpen or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_INFRA-3-IPCSENDFAIL	3-Error		IOMD failed to send a message [chars] reason: [chars]	IOMD failed to send message to the RP	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/bugtoolkit . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.
IOMD_INFRA-3-LINECARDDEAGSFAILED	3-Error		Module [chars] in Slot [dec] failed online diagnostics. Please use 'show post' for more details	Online Diag has failed. This could be due to a hardware or software defect.	asr900-im	Note the time of the error message and examine the logs for errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
IOMD_INFRA-3-SVL_SPEED_MISMATCH	3-Error	Speed of SVL Port [dec] in Slot [dec] does not match with other SVL Links. Please take necessary action.	Speed of this SVL Link does not match with the speed of other SVL Links. This can be due to replacement of a cable with different Speed on SVL port.	asr900-im	Please check the operating speed of this SVL Link and the operating speed of the other SVL Links. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
IOMD_INFRA-4-BADPOINTER	4-Warning	Function [chars] detected an invalid [chars] pointer of %08lX, ignoring	A software error has occurred, this message is displayed when an invalid pointer is detected.	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtools/ . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techass or contact your Cisco technical support representative and provide the gathered information.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_INFRA-4-FAN_ALARM	4-Warning		Interface [chars], fan alarm [chars]	Fan alarm due to temperature	INVALID	For MINOR, action is <fill minor action>; For MAJOR, action is <fill major action>; For CRITICAL, action is <fill critical action>;
IOMD_INFRA-4-INTR_OVER_LIMIT	4-Warning		IOMd main thread disabled interrupt for [dec] msec.	IOMd main thread process disabled interrupt too long	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtool.html . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techassist or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg	Component	Recommended-Action
IOMD_INFRA-4-LC_OIR_REQD	4-Warning		Found mismatch between the line card Phy firmware versions bundled in software and programmed in hardware in slot [dec]. To upgrade the Phy firmware to version bundled in software, perform physical OIR of the line card or run the CLI: hw-module subslot [dec]/[dec] oir power-cycle. If ISSU is in progress, firmware upgrade should be done only after the completion of ISSU. To check the firmware versions, use the CLI: show firmware version all		INVALID	To upgrade to latest phy firmware, do physical OIR or soft OIR of the line card using CLI: hw-module subslot <slot>/<bay> oir power-cycle. To view the present phy firmware version, use the CLI: show platform hardware iomd <slot>/<bay> ethernet_controllers phy <port number> api-version or show firmware version all

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			<p>During ISSU the software does not upgrade the PHY firmware. PHY firmware upgrade needs a reset and will lead to data path down time. Hence software avoids PHY firmware upgrade. This causes a mismatch between the firmware bundled in the image and that programmed in the PHY. Due to this mismatch any new features claimed by the new software will not be automatically enabled and needs a manual</p>		

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
			upgrade via power-cycle of the line card		
IOMD_INFRA-6-BEACON_LED_TURNED	6-Information	Slot [dec] Port [dec] Beacon LED turned [chars]	Beacon LED turned ON/OFF. This is a notification message only.No action is required.	INVALID	This is a notification message only. No action is required.
IOMD_INFRA-6-HIGH_POWER_OPTICS_DETECTED	6-Information	The port [chars] supports optics with a max power of [dec].[dec] W, but inserted optics max power is [dec].[dec] W. This can lead to operational issues for these and neighbouring ports. To identify allocated port max power, please execute the CLI: [chars]	Due to a thermal limitation, insertion of High power QSFP/SFP Optics in this port is not suggested.	INVALID	Unplug the high power XCVR.
IOMD_INFRA-6-HIGH_POWER_OPTICS_PRESENT	6-Information	The line card [dec] has optic(s) inserted in port(s) that has power limitations. The optics max power is more than the power recommended. This can lead to operational and thermal issues for these and neighbouring ports. To identify allocated port max power, please execute the CLI: [chars]	Due to a thermal limitation, insertion of High power QSFP/SFP Optics in some ports is not advised.	INVALID	Unplug the high power XCVR.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
IOMD_INFRA-6-STBY_PORTS_INITIALIZED	6-Information	Interfaces on slot [dec] are initialized on standby and ready for switchover	All the interfaces on standby for particular slot is initialized and Interface are ready for switchover.	INVALID	No action is required.
IOMD_INFRA-6-TDLMSG_INCOMPATIBLE	6-Information	Failed to copy message [chars] to buffer, not allowed for current domain.	Failure to marshal a message indicates an incompatibility with the intended recipient.	asr900-im	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/Bugtool/bugtools . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/techass or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
IOMD_INFRA-6-UNSUPPORTED_MODE	6-Information	Transceiver module in [chars] going in err-disabled state.	Breakout optics is not supported in non-breakout port; Non-breakout optics is not supported in breakout port	INVALID	Unplug the error disabled transceiver
IOMD_INFRA-6UNSUPPORTED_MODE_BREAKOUT	6-Information	Transceiver module in [chars] going in err-disabled state.	Breakout optics is not supported in non-breakout port; Non-breakout optics is not supported in breakout port	INVALID	Unplug the error disabled transceiver
IOMD_INFRA-6UNSUPPORTED_SPEED_COMBINATION	6-Information	On SLOT [dec] QSFP 100G/40G transceiver plugged into port [dec] and a QSA module plugged into port [dec] is unsupported combination. To linkup the desired connections, please remove QSFP transceiver from port [dec] as well as QSA module from port [dec] and then insert only the required QSFP transceiver or QSA module in the respective port.	Due to a hardware limitation in PHY, QSFP Optics on top port and QSA module on bottom port is not supported	INVALID	Unplug the error disabled transceiver

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IOMD_STARFLEET-5-LINK_RECOVERY	5-Notice		Interface [chars] link recovery mechanism triggered [Reason: System Side Signal down]	Link recovery mechanism detected a system side signal issue on UADP transmit. Recovery mechanism was triggered for correcting it.	INVALID	No action is required.
IOSD-3-BIPC_REJECT	3-Error		Could not accept ipc connection: [chars]	This error occurs if shell manager has denied an ipc connection request from IOS.	ioseshlmg	Check the connection request parameters.
IOSD-3-TDL_PROPERTIES	3-Error		Could not set message properties for connection: [chars]	This error occurs if shell manager is unable to set message properties for the IOS-sman connection	ioseshlmg	Check the connection request parameters.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
IOSXE_UPGRADE_ROMMON0ROMMON_LOADTEST_FAIL	0-Emergency	ROMMON FIPS_140-3 Load test *FAILED*: file [chars]	FIPS 140-3 Related Load test failed for the ROMmon.	iosetools	Check the system messages to see if any messages appeared that might indicate the source of the ROMmon Load test problem. If you do not find any additional information indicating a correctable problem, collect all output on the screen, in particular the console port output after the upgrade rom-monitor command was entered and the output of show rom-monitor, and provide the collected information to a Cisco technical support representative.
IOSXE_UPGRADE_ROMMON0ROMMON_UPGRADE_FAIL	0-Emergency	ROMMON upgrade failed: partition [chars]	An attempt to upgrade the ROMmon failed.	iosetools	Check the system messages to see if any messages appeared that might indicate the source of the ROMmon problem. If you do not find any additional information indicating a correctable problem, collect all output on the screen, in particular the console port output after the upgrade rom-monitor command was entered and the output of show rom-monitor, and provide the collected information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
IOXCAF-5-GUESTSHELL_IPV4_NOTICE	5-Notice	guestshell ip address([chars]) of Mgmt-Intf is ignored.	The ipv4 address configured for guestshell's Mgmt-Intf is ignored. When guestshell is on Mgmt-Intf it is natted and has an internal 192.168 ipv4 address.	polaris-infra	No action is required
IOXCAF-5-GUESTSHELL_IPV6_NOTICE	5-Notice	guestshell ipv6 address([chars]) of Mgmt-Intf is ignored.	The ipv6 address configured for guestshell Mgmt-Intf is ignored. When guestshell is on Mgmt-Intf it is natted and has an internal 192.168 ipv4 address. Therefore there is no need to provide a static ipv6 address to guestshell interfaces.	polaris-infra	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
IOXCAF-6-INSTALL_MSG	6-Information	app-hosting: [chars]	Message for installing an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IOXCAF-6-UPGRADE_MSG	6-Information	app-hosting: [chars]	Message for upgrading an app.	polaris-infra	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
IOXMGR-2-DNAC_EGRESS_INTF_NOT_SVI	2-Critical	Not supported: egress interface ([chars]) towards Cisco-DNAC server [chars] is not an SVI	Egress interface to reach the Cisco-DNAC server is restricted to be an SVI	ewlc-iot-gw	If this message occurs, the egress interface towards the Cisco-DNAC server needs to be configured as an SVI
IOXMGR-2-DNAC_EGRESS_INTF_NO_GLOB_IPV6_ADDR	2-Critical	Cisco-DNAC configured address is IPv6, but no global IPv6 address configured on egress interface [chars]	At least one local IPv6 global/route address is needed to reach the Cisco-DNAC server	ewlc-iot-gw	If this message occurs, at least one IPv6 global address needs to be configured on the egress interface towards the Cisco-DNAC server.
IPC_ERRMSG-4-IPC_WARNING_TRACE	4-Warning	Warning, [chars]	General warning message with traceback	ewlc-app-infra	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
IPC_LOG-3-IPC_LOGWRITE_FAILED	3-Error		ipc log write [dec] bytes failed because [chars]	An internal logging mechanism failed to write a message.	ios-binutils	<p>No action is required. However, if router performance is noticeably degraded, contact Cisco Technical Assistance. Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac. With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/bugtool.cgi. If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/tac/contacts or contact your Cisco technical support representative and provide the representative with the gathered information.</p>

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
ISSU-0-BOOT_SYNC_FAIL	0-Emergency	Problem with sync of ISSU boot state - [chars]	The ISSU state between two FRUs is not properly synchronized as a result of a boot error.	iosetools	This message will automatically appear during certain events, such as during a FRU removal or if the FRU loses connectivity. In most cases, the router will resynchronize the ISSU state between the FRUs without any user intervention. If the ISSU state is not resynchronized after multiple attempts, the problem is likely a result of another problem. Monitor the other system messages to see if a more serious issue has occurred on your router. If you are unable to resolve this other issue and this message persists, gather the output of show tech-support and provide it to a Cisco technical support representative.
ISSU-0-PKG_INCONSIST	0-Emergency	Reason: [chars]	A software consolidated package or sub-package has an error that indicates the sub-package should not be installed or used.	iosetools	If this message is received, the desired consolidated package or sub-package should not be used. Upgrade using a different consolidated package or sub-package, and report the problem consolidated package or sub-package to Cisco technical support.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
ISSU-0-PKG_MNT_SCRIPT_FAIL	0-Emergency	Package: [chars]	A consolidated package or sub-package has encountered an error indicating it is not usable.	iosvbinutils	Upgrade your software using a different consolidated package or sub-package.
ISSU-0-RESET_FRU_FAIL	0-Emergency	Problem with ISSU reset of remote FRU - [chars]	After a sub-package installation, one or more FRUs that were upgraded failed to initialize within the timeout period.	iosvbinutils	This problem is more likely to occur in routers with larger configurations, so if your router has a large configuration, you may want to wait a few more minutes to see if your hardware initializes. If the hardware continues to not initialize, reset the FRUs which failed to initialize. If resetting the FRUs fails to resolve the issue, gather the output of show tech-support and contact a Cisco technical support representative.
ISSU-0-SOFTWARE_INVALID	0-Emergency	Package for location [chars]: [chars]	The sub-packages have encountered an error related to the structure of the loaded software.	iosvbinutils	This error is likely caused by a failure of the boot or installation process or a corrupted provisioning file. If the system displays error messages related to the boot that can be addressed, address those messages. Downloading new software, if possible, may also help with the problem. If the problem persists, gather the output of show tech-support and provide it to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
ISSU-3-BOOT_SYNC	3-Error	Problem with sync of ISSU boot state - [chars]	The ISSU state between two FRUs is not properly synchronized as a result of a boot error.	issu-binutils	This message will automatically appear during certain events, such as during a FRU removal or if the FRU loses connectivity. In most cases, the router will resynchronize the ISSU state between the FRUs without any user intervention. If the ISSU state is not resynchronized after multiple attempts, the problem is likely a result of another problem. Monitor the other system messages to see if a more serious issue has occurred on your router. If you are unable to resolve this other issue and this message persists, gather the output of show tech-support and provide it to a Cisco technical support representative.
ISSU-3-BOOT_UNCLEAN	3-Error	Found reload log file, moved to [chars]	A log file was found at bootup indicating that all shutdown tasks were not performed on a previous reload.	issu-binutils	No user action is necessary. The system will automatically resolve most issues related to the shutdown task as part of the bootup procedure. If a problem related to the tasks that did not shutdown occurs, another error message will occur providing information about that problem.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
ISSU-3-INCOMPAT	3-Error		The packages in [chars] are not consistent	The sub-packages specified for running on the chassis are not compatible with one other.	iosvbinutils	Install a compatible set of packages to allow normal operation. This will require booting a known-good package set.
ISSU-3-ISSU_COMP_CHECK_FAILED	3-Error		ISSU compatibility check failed for [chars]	The image is not ISSU compatible	pot-issu.infra	Please add another ISSU compatible image to start ISSU
ISSU-3-SYNC_ERR	3-Error		Problem with sync of state - [chars]	The software state between two FRUs or switches is not properly synchronized as a result of a boot error.	iosvbinutils	This message may appear during certain events, such as during a FRU or switch removal or if the FRU or switch loses connectivity. In most cases, the router will resynchronize the software state between the FRUs or switches without any user intervention. If the software state is not resynchronized after multiple attempts, the problem is likely a result of another problem. Monitor the other system messages to see if a more serious issue has occurred on your router. If you are unable to resolve this other issue and this message persists, gather the output of show tech-support and provide it to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
ISSU-3-UCODE_INCOMPAT	3-Error		Found mismatch for ucode feature - [chars]	During boottime microcode feature version check, a version mismatch was found for this feature.	issu,binutils	Please ensure that versions of features in microcode are compatible by provisioning a different set of microcode files.
ISSU-5-ISSU_AUTO_ROLLBACK	5-Notice		ISSU rollback timer expired: initiating rollback	An ISSU upgrade has been rolled back because the rollback timer has expired.	issu,binutils	No user action is needed. If you want to commit the ISSU upgrade, redo the upgrade. Otherwise, this is an informational message only.
ISSU-5-ISSU_STAGE_INFO	5-Notice		STAGE [chars]: [chars] [chars]\n	This message is used to indicate the start completion of ISSU stages.	pol,issu,inf	No action required. This is an indication that ISSU stage has started or completed
ISSU-5-ISSU_STATE_INVALID	5-Notice		ISSU stored state found invalid and cleaned up: [chars]	The RP has corrected a failed ISSU install state that was detected at bootup.	issu,binutils	No user action is necessary. This is an informative message indicating that the failed ISSU state has been corrected.

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Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
LA_ACL_ERRMSG-3-ACL_EDIT_ERROR	3-Error	Failed to program modified [chars] [chars] [chars] ACL in hardware. The number of ACEs exceeded hardware limit.\n	The configuration is too large.	INVALID	You have exceeded the system limit of ACE entries. Delete the ACL first and then modify the acl by reducing number of ACEs and re-configure the ACL on the box.\n
LA_ACL_ERRMSG-3-ACL_NOT_SUPPORTED	3-Error	ACL is not supported on this interface [chars].\n	Unsupported configuration	INVALID	ACL is not supported on this interface %s.Remove the ACL from interface on IOS\n
LA_ACL_ERRMSG-3-EPC_EOMPLS_ERROR	3-Error	EPC is not supported on EOMPLS port. To recover, stop the capture from [chars] interface.\n	Unsupported configuration	INVALID	Stop the capture from %s interface.\n
LA_ACL_ERRMSG-3-OGACL_EGRESS_ERROR	3-Error	OGACL is not supported in egress dir. To recover, Delete [chars] ACL [chars] proto , correct mistake and re-create ACL.\n	Invalid configuration	INVALID	Delete ACL , correct mistake and re-create ACL.\n
LA_ACL_ERRMSG-4-UNLOADED	4-Warning	[chars] [chars] [chars] [chars] ACL on interface [chars] could not be programmed in hardware.Either number of ACLs or number of ACES in acl exceeded hardware limit. All the packets will be dropped.\n	The configuration is too large.	INVALID	You have exceeded the system limit of entries, use a simpler configuration which uses less entries.It can be either number of ACLs or number of ACES in the acl.\n

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LA_ACL_ERRMSG-6-SUB_INTF_BIND_WARNING	6-Information	[chars] [chars] [chars] ACL on interface [chars] could not be programmed in hardware. VLAN is not ready in hardware. Once VLAN is ready, ACL will be attached to vlan automatically in hardware.\n	Invalid configuration.	INVALID	VLAN is not ready in hardware. Once VLAN is ready, ACL will be attached to vlan automatically in hardware. Worst case, first detach ACL from sub-interface. Configure vlan on this sub-interface if not already done and then reattach ACL \n
LA_FNF_ARGON_ERRMSG-4-OOR	4-Warning	[chars] [chars] FNF mon_id [dec] on interface [chars] could not be programmed in hardware. Either number of ACLs or number of ACES in flow monitor or netflow profile exceeded hardware limit.\n	The configuration is too large.	INVALID	You have exceeded the system limit of entries, use a simpler configuration which uses less entries. It can be either number of ACLs or number of ACES in the acl.\n
LA_L2_ERRMSG-3-MCID_EMDB_RSC_ERR	3-Error	Failed to allocate replication entry to do flooding for vlan: [dec], vp_if_id: 0x%lx - reason: [chars]	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
LA_L2_MCAST_ERRMSG-3-MCID_EMDB_RSC_ERR	3-Error	Failed to allocate replication entry for vlan: [dec], Group: [chars], vp_if_id: 0x%lx - reason: [chars]	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
LA_L2_MCAST_ERRMSG-3-MCID_RSC_ERR	3-Error	Failed to allocate mcid for vlan: [dec], Group: [chars] - reason: [chars]	Hardware resource allocation has failed and the entry will not be programmed	INVALID	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
LA_L3TUNNEL_ERRMSG-3-EXIST_ERROR	3-Error	Duplicate Tunnel config not supported\n	Same tunnel source and destination	INVALID	Delete the tunnel and move to unique src/dst combination\n
LA_L3TUNNEL_ERRMSG-3-OOR_ERROR	3-Error	Unique 16 sources and 1K Tunnels only supported\n	Too many tunnels	INVALID	Delete unwanted tunnels\n
LA_L3TUNNEL_ERRMSG-3-TUN_MOD_ERROR	3-Error	Please delete the tunnel and recreate it. Set the tunnel mode first and then configure the tunnel src and tunnel destination. Dynamic change to Tunnel mode not allowed.\n	Dynamic Tunnel mode change not allowed	INVALID	Delete Tunnel. Set the correct mode and then configure tunnel src and tunnel dst\n

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LA_L3_ERRMSG-6-UNSUPPORTED_LB	6-Information	Mixed Mode of Tunnel and Normal ADJ Unsupported in LB, lbal_obj_id: 0x%x.\n	Mixed Mode of Tunnel and Normal ADJ is Unsupported in LB. We are printing the lbal_obj_id which is effected	INVALID	Normal Adj will be removed from LB if Tunnel is present. Only Tunnel adj will be present for LB
LA_QOS_ERRMSG-3-LA_QOS_BANDWIDTH_REMAINING_RATIO_IGNORED	3-Error	Ignoring Non-default[Ratio=1], Interface level Bandwidth remaining ratio([dec]) on Main-interface [chars] for policy [chars]. Reason: No support\n	Interface level(HQOS) Bandwidth remaining ratio is supported only across sub-interface on same main-interface or among main-interface with sub-interface priority propagation mode enabled and its sub-interface.	bigbang-qos	No Specific action required. However, for clarity user can consider installing different policy without Bandwidth remaining ratio in parent policy.
LA_QOS_ERRMSG-3-LA_QOS_TCAM_OOR	3-Error	No TCAM available to program policy [chars] on interface [chars] on [chars] direction.\n	TCAM is full on the slice where the interface is on.	bigbang-qos	Reduce the number of ACE in the policy. Remove the policy and attach again.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
LA_QOS_ERRMSG3LA_QOS_VOQ_CGM_PROFILE_EXHAUSTED	3-Error		VOQ Congestion Mangement(CGM) profiles exhausted.\n	All the available 32 VOQ CGM Profiles have been used up and a new profile creation was attempted	bigbang-qos	Check all queueing policies for unique CGM Configuration. See if some can be combined to free some CGM Profiles
LA_QOS_WARNMSG4LA_QOS_HPS_SHAPER_RATE_EXCEEDED	4-Warning		For [chars], User configured port shaper speed[[dec]] is greater than physical port speed [[dec]]. Limiting the same to physical port speed\n	User configured port shaper in H-QOS policy is higher than physical interface speed. User needs to revisit the policy.	bigbang-qos	No Specific action required. However, user needs to revisit the policy.
LA_SGACL_ERRMSG3-SGACL_CELL_BIND_ERROR	3-Error		SGACL [chars] on cell ([dec] [dec]) is not allowed. SGACL policy of default cell is not allowed to be shared with any other cells \n	Invalid configuration.	INVALID	SGACL policy associated with default cell is non-sharable with other cells. Maintain a separate policy for default permission. \n

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
LA_SGACL_ERRMSG3-SGACL_CELL_MONITOR_WARNING	3-Error	This platform supports only one counter per cell. User attached both V4 & V6 policies to cell [[dec], [dec]] but monitor mode is set to only one protocol. This may lead to inaccurate Hw-Deny, HW-Monitor cell counters. There will be no effect on functionality\n	Invalid configuration.	INVALID	Configure monitor mode for both IPv4 & IPV6 \n
LA_SGACL_ERRMSG3-SGACL_DEFAULT_CONFIG_ERROR	3-Error	TCAM Resource Error. Default permission configuration failed. Delete default sgACL permissions, free up some TCAM resources and configure default permission again\n	Configuration is too big	INVALID	Delete sgACL default permissions. Free up some TCAM resources and configure default permissions again\n
LA_SGACL_ERRMSG3-SGACL_EDIT_ERROR	3-Error	Failed to program modified [chars] [chars] [chars] ACL in hardware. The number of ACEs exceeded hardware limit.\n	The configuration is too large.	INVALID	You have exceeded the system limit of ACE entries. Delete the ACL first and then modify the acl by reducing number of ACEs and re-configure the ACL on the box.\n
LISP_AGENT_MESSAGE3-LISP_AGENT_DB_ERROR	3-Error	DB-Error: [chars]	An internal error occurred due to which unable to update the oper DB records	ewlc-wks-lisp	LOG_STD_ACTION

Facility-Severity-Mnemonic	Msg	Message	Msg Explain	Component	Recommended-Action
LISP_AGENT_MESSAGE3-LISP_AGENT_MAP_REGISTER_MSG_SEND_FAIL	3-Error	Error: Failed to send [chars] to MAP Server for [chars]: %02%02%02%02%02%02x	An internal error occurred due to which unable to send Map Register message to MAP server	ewlc-wls-lsp	LOG_STD_ACTION
LISP_AGENT_MESSAGE3-LISP_AGENT_MAP_REGISTER_REJECT_MSG	3-Error	Error: [chars] %02%02%02%02%02%02x with rejection code [dec] - [chars], MS IP: [chars], VNID: [chars]	Received MAP Registration Reject Message	ewlc-wls-lsp	LOG_STD_ACTION
LISP_AGENT_MESSAGE3-LISP_AGENT_MAP_REPLY_NACK_MSG	3-Error	Error: [chars] %02%02%02%02%02%02x	Received MAP reply NACK Message	ewlc-wls-lsp	LOG_STD_ACTION
LISP_AGENT_MESSAGE3-LISP_AGENT_MAP_REQUEST_MSG_SEND_FAIL	3-Error	Error: Failed to send [chars] to MAP Server for [chars]: %02%02%02%02%02%02x	An internal error occurred due to which unable to send Map Request message to MAP server	ewlc-wls-lsp	LOG_STD_ACTION
LISP_AGENT_MESSAGE3-LISP_AGENT_MS_IP_ERROR	3-Error	LISP AGENT clear [chars]	Map Server msg stats not exists error	ewlc-wls-lsp	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
IPACENTMESSAGEIPACENTRCVERRORNOTIFICATIONMSG	3-Error	Error: Received reliable error notification msg with [chars] [dec]	the Error Notification message received from the MAP Server	ewlc-ws-lip	LOG_STD_ACTION
IPACENTMESSAGEIPACENTTRANSFORMCONNECTION	6-Information	[chars] with map server IP [chars]	establishment of connection with map server got success	ewlc-ws-lip	LOG_STD_ACTION
LI_CORE-2-EGRESS_INTF_NOT_SVI	2-Critical	Not supported: egress interface ([chars]) towards LI host [chars] is not an SVI	Egress interface to reach the LI host is restricted to be an SVI	ewlc-spwifi	If this message occurs, the egress interface towards the LI host server needs to be configured as an SVI
LI_CORE-2-EGRESS_INTF_NO_GLOB_IPV6_ADDR	2-Critical	LI host address configured is IPv6, but no global IPv6 address configured on egress interface [chars]	At least one local IPv6 global/route address is needed to reach the LI host server	ewlc-spwifi	If this message occurs, at least one IPv6 global address needs to be configured on the egress interface towards the LI host server.
IMLIB_RIU_LICENSE-LAP_INSUFFICIENT_PERM_ACCOUNT	1-Alert	APs connected exceed the permanent licenses available by [dec].	The number of APs connected is greater than the number of permanent licenses.	iosc-fwdmgr	Purchase adder licenses to add to your existing permanent licenses.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMLIB_RTU_LICENSE-1-AP_USAGE_EXCEEDED	1-Alert	AP-count license usage has exceeded the available AP-count by [dec].	AP-count license usage has exceeded the available AP-count.	iosxe-fwdmgr	Remove the excess APs from the controller.
LMLIB_RTU_LICENSE-1-EVAL_EXP	1-Alert	Evaluation period of [chars] license expired [dec] days ago. Purchase a permanent license.	The evaluation license has expired.	iosxe-fwdmgr	Purchase a permanent license.
LMLIB_RTU_LICENSE-1-EXCESS_AP_LIC	1-Alert	Total AP-count licenses available have exceeded the maximum supported AP-count by [dec].	The number of AP-count licenses available is greater than the maximum number of supported AP-count.	iosxe-fwdmgr	The extra AP-count licenses can be moved to another controller.
LMLIB_RTU_LICENSE-1-PRIMARY_REMOVED	1-Alert	The current stack does not support the applied AP License Count. Reconnect a Catalyst 5760 SKU running valid AP License Count within 90 days.	ARC150-HW does not support the same licensing as ARC150-HW . So an ARC150-HW SKU is needed in the stack to support this licensing.	iosxe-fwdmgr	Reconnect a Catalyst 5760 SKU running valid AP License Count within 90 days.
LMLIB_RTU_LICENSE-1-RTU_DISABLED	1-Alert	Cannot proceed. Right-to-use Licensing is disabled. Switch is in Smart Licensing mode.	RTU functionality is disabled when switch in SL mode.	iosxe-fwdmgr	Enable RTU licensing with CLI: no license smart enable.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
LMLIB_RTU_LICENSE-1-SKU_INCOMPAT	1-Alert	Both the switches in the stack are AIR-CT5760-HA-K9 SKUs. Replace one of the switches with another Catalyst 5760 SKU running valid AP License Count	Two AC5760-K9 SKUs are not supposed to stack.	iossefwdmgr	Replace the license mismatch switch with a Catalyst 5760 SKU running valid AP License Count.
LMLIB_RTU_LICENSE-1-TERM_EXP	1-Alert	Subscription term period of [chars] license expired [dec] days ago. Please renew your license.	The subscription license has expired.	iossefwdmgr	Renew your subscription license.
LMLIB_RTU_LICENSE-3-FILE_ERR	3-Error	[chars]: License file update failed. Reapply the configuration.	Failed to update the license file.	iossefwdmgr	Reapply the configuration.
LMLIB_RTU_LICENSE-3-FILE_READ_ERR	3-Error	[chars]: License file read failed.	Failed to read the license file.	iossefwdmgr	Reapply the configuration.
LMLIB_RTU_LICENSE-4-EVAL_WARN	4-Warning	Evaluation period of [chars] license is about to expire in [dec] days. Purchase a permanent license.	The evaluation license is about to expire.	iossefwdmgr	Purchase a permanent license.
LMLIB_RTU_LICENSE-4-TERM_WARN	4-Warning	Subscription term period of [chars] license is about to expire in [dec] days. Please renew your license.	The subscription license is about to expire.	iossefwdmgr	Renew your subscription license.
LMLIB_RTU_LICENSE-6-AP_ADD	6-Information	[dec] adder AP-count licenses are added	AP-count licenses have been added.	iossefwdmgr	More APs can be supported.
LMLIB_RTU_LICENSE-6-AP_DEL	6-Information	[dec] adder AP-count licenses are removed.	AP-count licenses have been removed.	iossefwdmgr	Fewer APs are supported.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
LMLIB_RTU_LICENSE-6-DISABLE_RTU	6-Information	[chars]: Right-to-use Licensing is disabled. Switch is in Smart Licensing mode.	User enables Smart Licensing.	iosxe-fwdmgr	Request image license license if needed.
LMLIB_RTU_LICENSE-6-ENABLE_RTU	6-Information	[chars]: Right-to-use Licensing is enabled. Switch is in RTU mode.	User configures RTU licensing by disabling Smart Licensing.	iosxe-fwdmgr	Configure image license and ap count license if needed.
LMLIB_RTU_LICENSE-6-FACTORY_DEFAULT_ERROR	6-Information	Factory Default License File [chars] on [chars].	An error occurred when trying to create the factory default file.	iosxe-fwdmgr	Fix the issue and try again.
LMLIB_RTU_LICENSE-6-IOSD_LIC_MISMATCH	6-Information	Switch #[dec]: Current IOSd runs on [chars] license while RTU active license is [chars]. Please configure RTU license to current IOSd license.	When customer switches license mode from Smart Licensing to RTU Licensing, current IOSd license might mismatch with RTU active license.	iosxe-fwdmgr	Configure RTU license level to current IOSd license.
LMLIB_RTU_LICENSE-6-LIC_ACT	6-Information	[chars] license is activated successfully on [chars].	The license level is activated.	iosxe-fwdmgr	Reboot the switch to invoke the activated license.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
LMLIB_RTU_LICENSE-6-LIC_ACTVED	6-Information	[chars] license was already activated.	The license level was already activated.	iosse-fwdmgr	Reboot the switch to invoke the activated license.
LMLIB_RTU_LICENSE-6-LIC_CHANGE	6-Information	[chars] reboot license level changed from [chars] to [chars]. Reboot the switch to invoke the new license level.	Reboot license level has been changed.	iosse-fwdmgr	Reboot the switch to invoke the activated license level.
LMLIB_RTU_LICENSE-6-LIC_EULA_CLEAR	6-Information	EULA for [chars] license has been cleared on [chars].	License level has been deactivated.	iosse-fwdmgr	The end user license agreement (EULA) needs to be accepted while activating this license level.
LMLIB_RTU_LICENSE-6-LIC_EVAL_TO_PERM	6-Information	License level upgraded from [chars] [chars] to [chars]; [chars] license is in-use without reboot	A license has been upgraded to a permanent or subscription license. A reboot is NOT required for the new license level to be effective.	iosse-fwdmgr	No action is required
LMLIB_RTU_LICENSE-6-LIC_EXPED	6-Information	[chars] evaluation license has expired; you cannot activate it again.	You cannot use an expired evaluation license.	iosse-fwdmgr	Purchase a permanent license level or activate another license level.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMLIB_RTU_LICENSE-6-LIC_IMAGE_INVALID	6-Information	Switch #[dec]: The license boot level string is invalid. Boot up with the highest activated license.	The license boot level string is invalid. The RTU highest activated license is used.	iosxe-fwdmgr	Use 'license boot level' to configure a valid license level
LMLIB_RTU_LICENSE-6-LIC_INCOMPAT	6-Information	Switch [dec] has an incompatible license level. Activate a compatible license on the switch so that the switch can join the stack.	The added switch has an incompatible license level.	iosxe-fwdmgr	Activate a new license and reboot the switch.
LMLIB_RTU_LICENSE-6-LIC_INVALID_DEACT	6-Information	[chars] license is not active on [chars]; therefore, it cannot be deactivated.	The license level is not activated.	iosxe-fwdmgr	No need to deactivate this license.
LMLIB_RTU_LICENSE-6-PLAT_INCOMPAT	6-Information	Switch [dec] has an incompatible platform level. Activate a compatible platform on the switch so that the switch can join the stack.	The added switch has an incompatible platform level.	iosxe-fwdmgr	Run in compatible scaled mode and reboot the switch.
LMRP-0-CHASFS_LOCATION_TRANSLATE	0-Emergency	Failed to translate a location to a chasfs object name because [chars]	The license manager failed to translate a location to a chasfs object name.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMRP-0-CHASFS_OBJECT_CREATE	0-Emergency	Failed to create chassis filesystem object [chars] because [chars]	The hardware failed to create a chassis filesystem object.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-CHASFS_OBJECT_NOT_PRESENT	0-Emergency	Expected chassis filesystem object [chars] not present.	A chassis filesystem object expected to be present is not. This could be due to a software defect or filesystem failure.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-CHASFS_OBJECT_WATCH	0-Emergency	Failed to watch chassis filesystem object [chars] because [chars]	A chassis filesystem object was not watched because of the reason stated in the error message.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
LMRP-0-CHASFS_PROPERTY_CREATE	0-Emergency	Failed to create chassis filesystem object [chars] property [chars] because [chars]	A chassis filesystem property was not properly created.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-CHASFS_PROPERTY_GET	0-Emergency	Failed to read chassis filesystem object [chars] property [chars] because [chars]	A chassis filesystem property was not properly read by the system.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-CHASFS_PROPERTY_NOT_PRESENT	0-Emergency	Expected chassis filesystem object [chars] property [chars] not present.	A chassis filesystem object property expected to be present is not. This could be due to a software defect or filesystem failure.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMRP-0-CHASFS_PROPERTY_SET	0-Emergency	Failed to write chassis filesystem object [chars] property [chars] because [chars]	A chassis filesystem property failed to write.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-CHASSIS_STATUS	0-Emergency	Failed to get chassis hardware status because [chars]	The system failed to get the chassis hardware status.	iosxe-csl	Note the time of the error message and examine the logs for CPLD driver or hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sub-Mnemon	Message	Msg Explain	Component	Recommended-Action
LMRP-0-CHASSIS_TYPE	0-Emergency	The chassis type [chars] is invalid.	The chassis type is invalid. This could be due to a hardware defect, software defect or incorrect IDPROM content.	iosxe-csl	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-EVENT_LIBRARY	0-Emergency	An event facility initialization or maintenance function failed because [chars]	An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMRP-0-INVALID_ARGUMENT	0-Emergency	A system function was given an invalid argument.	A system function was given an invalid argument. This is due to a software defect.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-IPC_CONNECTION_INVALID	0-Emergency	An IPC connection has invalid state.	An IPC connection has an invalid state. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-IPC_CONNECT_MASTER	0-Emergency	IPC connection to the active RP failed because [chars]	IPC connection to the active RP failed. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
LMRP-0-IPC_INITIALIZATION	0-Emergency	IPC initialization failed because [chars]	IPC initialization failed. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-MESSAGE_REGISTER	0-Emergency	Failed to register with active RP because [chars]	The active RP failed to register.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-MESSAGE_RELAY	0-Emergency	Failed to relay a message because [chars]	Failed to relay a message. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMRP-0-MESSAGE_RESPONSE	0-Emergency	An invalid message response was received because [chars]	An invalid message response was received. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-MQIPC_ADVANCE	0-Emergency	Failed to advance MQIPC queue because [chars]	The MQIPC initialization failed.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-MQIPC_INITIALIZATION	0-Emergency	MQIPC initialization failed because [chars]	MQIPC initialization failed. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sub-Mnemon	Message	Msg Explain	Component	Recommended-Action
LMRP-0-PEER_TABLE	0-Emergency	A peer table initialization or maintenance function failed because [chars]	A peer table initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-PLATFORM_FAMILY_TYPE	0-Emergency	The platform family type [chars] is invalid.	The platform family type is invalid. This could be due to a hardware defect, software defect or incorrect IDPROM content.	iosxe-csl	Note the time of the error message and examine the logs for IDPROM and hardware errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMRP-0-RESOLVE_FRU	0-Emergency	Failed to determine [chars] card because [chars]	The router failed to determine a FRU state.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-SERVICES_INITIALIZATION	0-Emergency	Failed to initialize general application services because [chars]	The system failed to initialize application services.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-SIGNAL_INITIALIZATION	0-Emergency	Failed to initialize signals because [chars]	The system failed to initialize signals.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sub-Mnemon	Message	Msg Explain	Component	Recommended-Action
LMRP-0-SLOTS_INITIALIZATION	0-Emergency	Failed to initialize chassis slot information because [chars]	The system failed to initialize the chassis slot information.	iosxe-csl	Note the time of the error message and examine the logs for IDPROM or software errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-0-SLOT_INVALID	0-Emergency	A card absolute slot number cannot be determined for this chassis type	An absolute slot number is invalid. This could be due to a software defect or incorrect IDPROM content.	iosxe-csl	Note the time of the error message and examine the logs for IDPROM or software errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LMRP-0-UIPEER_CREATE	0-Emergency	Failed to create user interface peer.	The system failed to create a user interface peer.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-3-CHASFS_OBJECT_DESTROY	3-Error	Failed to destroy chassis filesystem object [chars] because [chars]	A chassis filesystem object that should have been destroyed was not destroyed.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-3-CHASFS_PROPERTY_DESTROY	3-Error	Failed to destroy chassis filesystem property [chars]/[chars] because [chars]	A chassis filesystem property that should have been destroyed was not destroyed.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
LMRP-3-LICENSE_SERVICE_SETUP	3-Error		Failed to setup the licensing proxy service	License Manager failed to set itself up as a proxy for licensable features.	iosxe-csl	Collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-3-PEER_INVALID	3-Error		A peer table entry has invalid state.	A peer table entry has an invalid state. This could be due to a software defect or system resource exhaustion.	iosxe-csl	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
LMRP-3-RTU_UNINITIALIZED	3-Error		RTU not yet initialized: stack enabled [dec]	License manager has not initialized RTU, but manager got RTU enable/disable request	iosxe-csl	No user action is necessary. Reloading might work

Facility-Severity-Mnemonic	Severity	Message	MsgID	Component	Recommended-Action
LMRP-3-THROUGHPUT_LICENSE_APPLY_FAILED	3-Error	Throughput license look-up failed due to '[chars]'	This message is to notify the user that a license look-up did not succeed because license manager process could not be contacted. This is a rare case but is due to either a crashed license manager (rare) or it encountered an internal error.	iosxe-csl	No user action is necessary. However, it is possible that a re-boot of the box may correct this behavior.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
LMRP-3-UDI_AUTH	3-Error	Quack Unique Device Identifier authentication failed	This chassis seems to be compromised or tampered with. UDI burned on to the Quack chip and the one read from chassis EEPROM do not match. It can also be a case of either EEPROM or Quack device failure. More details about which specific field failed to match are logged in license daemon log file (lmd_log).	iosxe-csl	User immediately needs to contact Cisco support. This device appears to be tampered with or is a counterfeit device or had a system failure.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
LMRP-6-THROUGHPUT_LICENSE	6-Information	Throughput license [chars], throughput set to [chars]	Status indicating whether throughput license is found and the corresponding throughput the CPP hardware is configured to provide.	iosxe-csl	No user action is necessary. This is an informational message indicating throughput configured.
LOADBALANCE_TRACE_MESSAGE3AP_SW_UPDATE_ERR_LOG_MSG	3-Error	AP SW update [chars]	AP Software Update logging	ewlc-ap	AP software update failed. ISSU image upgrade or SMU patching could be aborted. The user needs to initiate ISSU upgrade/SMU patch again. If the error occurred during manual operation, operation can be initiated again
LOADBALANCE_TRACE_MESSAGE5AP_SW_UPDATE_LOG_MSG	5-Notice	AP SW update [chars]	AP Software Update logging	ewlc-ap	No action required
LOADBALANCE_TRACE_MESSAGE5LB_LOG_MSG	5-Notice	Loadbalancer Log : [chars]	Generic loadbalancer message	ewlc-ap	No action required
LOADBALANCE_TRACE_MESSAGE5LB_NOTICE_MSG	5-Notice	Loadbalancer : [chars]	Loadbalancer informational message	ewlc-ap-infa	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sub-Mnemon	Message	Msg Explain	Component	Recommended-Action
LUA_VM-2-INITIALIZATION	2-Critical	Cannot initialize the Lua Virtual Machine	The Lua Virtual Machine is a critical component of the shell-manager process. It is used to render responses to user commands. If this component cannot be initialized then the shell-manager will be unable to process any commands directed at the IOS-XE daemons.	ios-shell	The shell-manager process could not be started. Check the trace log files for more details as to why the virtual machine failed to initialize correctly. This may be an out of memory condition so rebooting the chassis may resolve the problem.
MAB-5-FAIL	5-Notice	Authentication failed for client ([chars]) with reason ([chars]) on Interface [chars] AuditSessionID [chars]	MAB Authentication was unsuccessful.	polaris-smd	No action is required.
MAB-5-RESULT_OVERRIDE	5-Notice	Authentication result overridden for client ([chars]) on Interface [chars] AuditSessionID [chars]	Authentication result was overridden	polaris-smd	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
MAB-5-SUCCESS	5-Notice	Authentication successful for client ([chars]) on Interface [chars] AuditSessionID [chars]	MAB Authentication was successful.	polaris-smc	No action is required.
MATM-3-CONSISTENCY_CHECK_RESULT	3-Error	No Inconsistency detected for Address %02%02%02%02%02%02, vlan [dec]	Consistency checker execution completed	polaris-l2	No Inconsistency detected
MATM-3-HWERROR	3-Error	Hardware [chars] failed	A hardware API access error message occurred.	polaris-l2	Find out more about the error by using the commands show platform matm recon_state and show tech-support and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
MATM-3-INVALID_EVENT	3-Error	An invalid event :[dec] received in [chars], expected event:[dec]	MATM feature received invalid event on it's event handler	polaris-l2	The condition is being recovered, no action is required
MATM-3-MAC_INCONSISTENCY	3-Error	Inconsistency detected: Address %02%02%02%02%02%02, Vlan [dec]	There is a difference between mac address entry in software and hardware	polaris-l2	Try clearing the mac or run recovery mechanism

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MATM-3-MAX_ENTRIES	3-Error		The maximum number of MAC addresses has been reached:[dec]	The maximum number of MAC entries that can be programmed has been reached.	polaris-l2	New MAC addresses will not be learned. Stop any redundant MAC incrementing traffic for extra streams.
MATM-3-RECONCILIATION	3-Error		Reconciliation post switchover failed : [chars]	Consistency check across modules shows inconsistency in data.	polaris-l2	Find out more about the error by using the commands show platform matm recon_state and show tech-support and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
MCAST_ERROR_MESSAGE3MCAST_AVL_DB_MISMATCH	3-Error		DB Mismatch: [chars]	Previous joins and leaves have corrupted the database.	ewl-multicast	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MCAST_ERROR_MESSAGE3MCAST_CLIMAC_LOOKUP_ERR	3-Error	Mismatch between two database while [chars] mgid = [dec] client mac = %02X%02X%02X%02X%02X%02X	Two different databases have different values for the client. Multicast functionality will be affected due to mismatch of database values.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_DELETE_MGID	3-Error	Deletion of mgid [dec] from internal multicast databases failed	Mgid entry deletion from the internal database fails	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_GRP_JOIN_LEAVE_FAILED	3-Error	[chars] for client %02X%02X%02X%02X%02X%02X multicast group [chars], mgid [dec]	Failure occurred while handling multicast group join or leave.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_INSERT_MGID_FAIL	3-Error	insertion of mgid into database failed for some unknown reason - for source [chars] - group [chars] - vlan [dec]	Internal multicast database corrupted.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_IP_MISMATCH	3-Error	[chars] IP Value already inserted for mgid [dec] mismatches. saved value [chars] expected [chars]	the IP of the stored database and incoming database mismatches	ewlc-multicast	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended Action
MCAST_ERROR_MESSAGE3MCAST_MCD_CLIENT_TREE_DESTROY_FAIL	3-Error	Mgid [dec] client tree destroy in internal multicast database failed	Mgid client tree destroy in internal database failed	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_MCD_CLIENT_TREE_WALK_FAIL	3-Error	Mgid [dec] client tree walk in internal multicast database failed	Mgid client tree walk in internal database failed	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_MGID_DATA_MISMATCH	3-Error	There is some data mismatch between two databases for mgid [dec].	some database in multicast code is having unexpected null data	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_MGID_MISMATCH	3-Error	mgid value mismatch in database value found [dec] - expected mgid [dec]	the stored mgid value in the database is not same as expected.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_MGID_NULL_DATA	3-Error	multicast database is having unexpected [chars] NULL value for mgid [dec]	some database in multicast code is having unexpected null data	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_MCD_SRC_DATA_MISMATCH	3-Error	There is some data mismatch between two databases for source [chars] group [chars] vlan [dec] mgid [dec]	some database in multicast code is having unexpected null data	ewlc-multicast	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Msg	Message	Msg Explain	Component	Recommended-Action
MCAST_ERROR_MESSAGE3MCAST_MOBILITY_HANDOFF_FAILED	3-Error		[chars] [chars] mobility multicast handoff for client %02%02%02%02%02%0X	Failure occurred while handling mobility multicast handoff.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_SG_MAXMGID_ERR	3-Error		Multicast group count [dec] is greater than maximum mgids [dec] per client for client %02%02%02%02%02%0X	This and further new mgid entries for this client will be ignored Multicast functionality will be affected for those mgids.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_SG_NONZERO_ERR	3-Error		[chars] (S,G) count [dec] is greater than zero whereas client %02%02%02%02%02%0X multicast data is NULL	Two different databases have different values for the client. Multicast functionality will be affected due to mismatch of database values.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_SPAM_UPDATE_FAILED	3-Error		[chars] for mgid type [dec], client %02%02%02%02%02%0X multicast group info [chars] to AP %02%02%02%02%02%0X	Failure occurred while sending multicast info to AP.	ewlc-multicast	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
MCAST_ERROR_MESSAGE-3-TASK_CREATE_ERR	3-Error	ERROR: Failed to create client-multicast library	An internal error occurred due to which the client multicast subsystem could not be initialized. APs may not be able to join the controller.	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE-4-MOM_NOT_CONFIGURED_ON_MOM_ONLY_PLATFORM	4-Warning	Multicast-over-Multicast (wireless multicast <ipv4Addr>/ipv6 <ipv6Addr>) is not configured on Multicast-over-Multicast Only platform. Wireless multicast will not work until MOM is configured	Wireless multicast is configured without MOM on MOM-Only platform	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE-6-MCAST_MOM_CONFIG_CHANGE	6-Information	Capwap multicast mode [chars] [chars]. IPv4 [[chars]:[chars]] and IPv6 [[chars]:[chars]] with Wireless multicast status [chars]. [chars]	Wireless capwap multicast mode changed	ewlc-multicast	LOG_STD_ACTION
MCG_APMGR_MESSAGE-3-APMGR_ERROR	3-Error	Error : [chars]	APMGR error	mcg-ap	LOG_STD_ACTION
MCG_APMGR_MESSAGE-5-AP_DISJOIN	5-Notice	AP Name : [chars], MAC : [chars], Session : [chars]	AP disjoin information	mcg-ap	LOG_STD_NO_ACTION
MCG_APMGR_MESSAGE-5-AP_JOIN	5-Notice	AP Name : [chars], MAC : [chars], Session : [chars]	AP Join information	mcg-ap	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MCP_SYS-0-ASSERTION_FAILED	0-Emergency	Assertion failed: [chars]	An internal state consistency check failed. Correct operation cannot be guaranteed, and the system has been halted.	INVALID	LOG_STD_ACTION
MDNS_SYSLOG-3-EXCESS_SERVICE	3-Error	number of responses([dec]) for query ([chars]) is limited to ([dec]) due to query response threshold	An MDNS Service Query resulted in too many services in the response, user experience for MDNS may be suboptimal. This may also consume more CPU cycles	mdns-binos	Check the service policy configuration and consider moving to a more restrictive location if the problem persists

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MDNS_SYSLOG3EXCESS_SERVICE_WIDE_AREA_BONJOUR	3-Error	Number of services in the response ([dec]) for query [chars] has exceeded threshold [dec]	An MDNS Service Query resulted in too many services in the response, user experience for MDNS may be suboptimal and may take up more CPU	mdns-binos	re-check the service policy on the Wide area bonjour side and Controller. Move to more restrictive location filter if problem persists

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MDR-3-NODE_ISSU_SIP_WAIT	3-Error		Could not wait for [chars] to complete Minimal Disruptive Restart	An unexpected error has occurred where the specified linecard was performing a Minimal Disruptive Restart using node ISSU, however Minimal Disruptive Restart did not complete before the next operation needed to commence. This linecard was reset as normal.	iosbinutils	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MDR-3-NODE_ISSU_SPA_WAIT	3-Error		Could not wait for [chars] in [chars] to complete Minimal Disruptive Restart	An unexpected error has occurred where the specified module was performing a Minimal Disruptive Restart using node ISSU, however Minimal Disruptive Restart did not complete before the next operation needed to commence. This module was reset as normal.	iosetools	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
MDR-3-NO_ACTIVE_ESP	3-Error	No active ESP was found when initiating Minimal Disruptive Restart	An unexpected error has occurred where no active ESP was found to continue forwarding traffic during the Minimal Disruptive Restart. All requested linecards and or modules were reset as normal.	ios-chassis	Review the IOSd, RP and CC chassis manager logs for errors or linecard OIR.
MDR-3-NO_SPAS_IN_SIP	3-Error	No Minimal Disruptive Restart compatible SPAs found in [chars]	An unexpected error has occurred where the specified linecard that was to undergo Minimal Disruptive Restart did not contain any compatible SPAs. This linecard was reset as normal.	ios-chassis	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MDR-3-READ_COMPAT_INFO	3-Error		Failed to read valid Minimal Disruptive Restart compatibility information for [chars]		iosetools	Review the IOSd, RP and CC chassis manager logs for errors.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
			<p>An unexpected error has occurred where either modules in or the specified linecard itself, was to undergo Minimal Disruptive Restart however valid compatibility information could not be read prior to commencing Minimal Disruptive Restart. If the linecard itself was to go through Minimal Disruptive Restart, it and the modules within it were reset as normal. If only modules were going through Minimal Disruptive Restart, all</p>		

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
			modules were reset as normal.		
MDR-3-READ_SIP_RESET	3-Error	Failed to read a valid Minimal Disruptive Restart reset value for [chars]	An unexpected error has occurred where either modules in or the specified linecard itself, was to undergo Minimal Disruptive Restart however a valid SIP reset value could not be read. This linecard was reset as normal.	iosctbnsults	Review the IOSd, RP and CC chassis manager logs for errors.
MDR-3-RESTART_FAILED	3-Error	Failed to perform Minimal Disruptive Restart on [chars]	An unexpected error has occurred where the specified linecard or module failed to undergo a Minimal Disruptive Restart. This linecard or module was reset as normal.	iosctbnsults	Review the IOSd, RP and CC chassis manager logs for errors.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
MDR-3-SIP_OFFLINE	3-Error	[chars] is not online to perform Minimal Disruptive Restart	An unexpected error has occurred where the specified linecard was to undergo Minimal Disruptive Restart however the linecard was not found to be online. The linecard was reset as normal.	iosbinutils	Review the IOSd, RP and CC chassis manager logs for errors or linecard OIR.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
MDR-3-SOFTWARE_TRANSFER	3-Error	Failed to receive upgrade software for [chars]	An unexpected error has occurred where the specified linecard was to undergo Minimal Disruptive Restart however the linecard was not able to receive the upgrade software prior to commencing Minimal Disruptive Restart. The linecard was reset as normal.	iosetools	Review the IOSd, RP and CC chassis manager logs for errors.
MDR-3-SPA_BAY_INVALID	3-Error	Could not perform Minimal Disruptive Restart on invalid [chars] in [chars]	An unexpected error has occurred where the specified module was to undergo Minimal Disruptive Restart however the module was invalid.	iosetools	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MDR-3-SPA_IS_NOT_READY	3-Error		[chars] in [chars] is not ready to perform Minimal Disruptive Restart	An unexpected error has occurred where the specified module was to undergo Minimal Disruptive Restart however the module was not found to be ready. The module was reset as normal.	ioscbinsults	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.
MDR-3-SPA_NOT_FOUND	3-Error		[chars] in [chars] could not be found to perform Minimal Disruptive Restart	An unexpected error has occurred where the specified module was to undergo Minimal Disruptive Restart however the module was not found. The module was reset as normal.	ioscbinsults	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
MDR-3-SPA_OFFLINE	3-Error	[chars] in [chars] is not online to perform Minimal Disruptive Restart	An unexpected error has occurred where the specified module was to undergo Minimal Disruptive Restart however the module was not found to be online. The module was reset as normal.	iosetools	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.
MDR-3-SPA_TYPE_MISMATCH	3-Error	Could not perform Minimal Disruptive Restart on [chars] in [chars] due to a SPA type mismatch	An unexpected error has occurred where the specified module was to undergo Minimal Disruptive Restart however the module's SPA type was found to be different to what was expected. The module was reset as normal.	iosetools	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MDR-3-SPA_WAS_NOT_READY	3-Error		[chars] in [chars] was not ready to perform Minimal Disruptive Restart	An unexpected error has occurred where the specified module was to undergo Minimal Disruptive Restart however the module was not found to be ready at the time it was checked. The module was reset was normal.	ioscbinsult	Review the IOSd, RP and CC chassis manager logs for errors or module OIR.
MDR-5-CARD_RESTART	5-Notice		Minimal Disruptive Restart [chars] to acquire provisioned software	The FRU specified was not running the currently provisioned software, which it will acquire on Minimal Disruptive Restart.	ioscbinsult	No user action is necessary. This message indicates the system is functioning normally and is provided for informational purposes only.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MDR-5-SIP_UNSUPPORTED	5-Notice		[chars] does not support Minimal Disruptive Restart	The linecard specified was restarted during an Minimal Disruptive Restart, however it does not support this feature either because of its type or there are no SPA's that support Minimal Disruptive Restart inserted. This linecard was reset as normal.	iosetools	No user action is necessary.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MDR-5-SPA_UNSUPPORTED	5-Notice	[chars] does not support Minimal Disruptive Restart	The module specified was restarted during an Minimal Disruptive Restart, however it does not support this feature either because of its type or software version. This module was reset as normal.	ios/binutils	No user action is necessary.
MDT_CONNECTION-6-STATE_CHANGED	6-Information	Connection state changed (id [chars] - [chars]): [chars]	The connection state has been changed.	pot/asm/infia	Notification for connection state changed. No action required.
MDT_SUBSCRIPTION4EXCEEDED_ACTIVE_SUB_LIMIT	4-Warning	Active subscription limit exceeded (stream [chars], id [chars], client [chars]): [chars]	The specified subscription will not be connected due to exceeding the maximum number of active subscriptions on this platform.	pot/asm/infia	Reduce the number of active subscriptions by either removing configured subscriptions or terminating dynamic subscriptions that are not needed.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
MDT_SUBSCRIPTION-4-INVALID_ARGUMENTS	4-Warning	Subscription creation failed (stream [chars], id [chars], client [chars]): [chars]	The value of the given parameter is invalid or not specified.	polismcinfo	Correct the invalid parameter and try the subscription again.
MDT_SUBSCRIPTION-4-NOT_SUPPORTED	4-Warning	Subscription creation failed (stream [chars], id [chars], client [chars]): [chars]	The value of the given parameter is not supported.	polismcinfo	Try the subscription again with a supported value.
MDT_SUBSCRIPTION-4-OUTSIDE_LIMIT	4-Warning	Subscription creation failed (stream [chars], id [chars], client [chars]): [chars]	The value of the parameter is outside of the allowable range.	polismcinfo	Try the subscription again with a value within the allowable range.
MDT_SUBSCRIPTION-4-RESUMED	4-Warning	Subscription resumed (stream [chars], id [chars], client [chars]): [chars]	The specified subscription was resumed from run-time error.	polismcinfo	Try to slow down the data source or check if the connection is stable.
MDT_SUBSCRIPTION-4-TERMINATED	4-Warning	Subscription terminated (stream [chars], id [chars], filter [chars], client [chars]): [chars]	The specified subscription was terminated due to run-time error.	polismcinfo	Try the subscription again
MDT_SUBSCRIPTION-4-XPATH_INVALID	4-Warning	Subscription creation failed (stream [chars], id [chars], client [chars]): [chars]	The specified XPath filter is invalid.	polismcinfo	Correct the XPath filter and try the subscription again.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MERAKI_MGRD-3-MERAKI_INTFC_SETUP_ERR	3-Error		Meraki interface setup error: [dec]	Initial meraki interface setup failed - cannot bringup config updater	polaris-aurora	Retry reconfiguring service meraki connect
MERAKI_MGRD-3-MIG_PKG_VERIFY_ERR	3-Error		Migration: installed package verification failed	Installed package validation failed in mode migration	polaris-aurora	No action is required
MERAKI_MGRD-3-MIG_PKG_VERIFY_TIMEOUT_ERR	3-Error		Migration: installed package validation exceeded timeout 90 seconds	Installed package validation exceeded timeout 90 seconds	polaris-aurora	No action is required
MERAKI_MGRD-5-CONFIG_MONITOR_ERR	5-Notice		Config Monitor ERR: [chars]	Config monitor err message	polaris-aurora	No action is required
MERAKI_MGRD-5-CONFIG_MONITOR_NOTIF	5-Notice		Config Monitor: [chars]	Config monitor message	polaris-aurora	No action is required
MERAKI_MGRD-5-CONFIG_UPDATER_ERR	5-Notice		Config Updater ERR: [chars]	Config Updater err message	polaris-aurora	No action is required
MERAKI_MGRD-5-CONFIG_UPDATER_NOTIF	5-Notice		Config Updater: [chars]	Config Updater message	polaris-aurora	No action is required
MERAKI_MGRD-5-CURL_FETCH_ERR	5-Notice		Curl Fetch ERR: [chars]	Curl Fetch error message	polaris-aurora	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
MERAKI_MGRD-5-MERAKI_FSM_START_FAILED	5-Notice		Meraki FSM failed to start	Meraki mgrd FSM failed to start	polaris-aurora	No action is required
MERAKI_MGRD-5-MERAKI_RESET_NOTIFICATION	5-Notice		: Reset Notification [chars]	Reset recovery message	polaris-aurora	No action is required
MERAKI_MGRD-5-MERAKI_RESET_RECOVERY	5-Notice		: Reset recovery [chars]	Reset recovery message	polaris-aurora	No action is required
MERAKI_MGRD-5-PRI_TUNNEL_STATE	5-Notice		Primary Tunnel State: [chars]	Primary tunnel state change notification	polaris-aurora	No action is required
MERAKI_MGRD-5-SEC_TUNNEL_STATE	5-Notice		Secondary Tunnel State: [chars]	Secondary tunnel state change notification	polaris-aurora	No action is required
MERAKI_NCMD-5-NODE_CERT_RENEW_STATE	5-Notice		Node Cert Renew State: [chars]	Node Cert renew state change notification	polaris-aurora	No action is required
MERAKI_NCMD-5-NODE_CERT_STATE	5-Notice		Node Cert State: [chars]	Node Cert state change notification	polaris-aurora	No action is required
MERAKI_NCMD-5-NODE_CLOUD_ID_STATE	5-Notice		Node Cloud_ID State: [chars]	Node Cloud_ID state change notification	polaris-aurora	No action is required
MERAKI_NCMD-5-NODE_TOKEN_STATE	5-Notice		Node Token State: [chars]	Node Token state change notification	polaris-aurora	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MESH_DB_TRACE_MESSAGE3EWLC_MESH_DB_EXEC_MSG	3-Error	%% Error: [chars]	Improper arguments or config	ioscbinsults	Arguments to be changed
MESH_DB_TRACE_MESSAGE6EWLC_MESH_DB_INFO_MSG	6-Information	%% Info: [chars]	Info level logs	ioscbinsults	No action required
MESH_TRACE_MESSAGE3EWLC_MESH_AP_DISCONNECT_MSG	3-Error	%% Error: [chars]	Failed to Disconnect AP for Mesh config changes	ioscbinsults	Reboot the AP for the mesh configs to be applied
MESH_TRACE_MESSAGE3EWLC_MESH_AP_RESET_MSG	3-Error	%% Error: [chars]	Failed to reboot AP for Mesh config changes	ioscbinsults	Reboot the AP for the mesh configs to be applied
MESH_TRACE_MESSAGE3EWLC_MESH_EXEC_MSG	3-Error	%% Error: [chars]	Improper arguments or config	ioscbinsults	Arguments to be changed
MESH_TRACE_MESSAGE3EWLC_MESH_ROLE_CHANGE_MSG	3-Error	%% Error: [chars]	Mesh profile change for AP did not get Applied	ioscbinsults	Reboot the AP for the mesh configs to be applied
MESH_TRACE_MESSAGE4EWLC_MESH_DCA_INTERVAL_MSG	4-Warning	DCA interval is too long. Configure it to 10min to make sure algorithm will run	The DCA algorithm might not run during that channel update period	ioscbinsults	Configure DCA interval to a 10min period to make sure that the algorithm will run
ME_APMCR_TRACE_MESSAGE2EWC_APMCR_CFG_SYNC_FAIL	2-Critical	Failed to synchronize configuration to EWC-capable APs on the network	Failed to synchronize configuration to EWC-capable APs on the network	ewcap-image	A switchover to the standby followed by reconfiguration is recommended.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended Action
ME_APMGR_TRACE_MESSAGE6EWC_APMGR_RESET	6-Information	AP Event: Controller Image Download is successful, reset AP mac [chars]	Controller Image Download is successful, reset AP	ewcap-image	LOG_STD_NO_ACTION
MMIF_LOG-2-WLAN_CRIT_ERR	2-Critical	WLAN Error : [chars]	Critical issue seen with WLAN config. Make a note of any recent changes made to the network or the device configuration which may have triggered this and proceed to the suggested action.	ewlc-mobility	Copy the error message exactly as it appears on the console or in the system log. Open a case with the Technical Assistance Center via the Internet http://www.cisco.com/techsupport or contact your Cisco technical support representative and provide the representative with the gathered information. It is suggested to collect archive traces and live process core to analyse the error.
MMIF_LOG-3-BUFF_ALLOC_FAILED	3-Error	Failed to allocate memory for [chars]	ICENTERR	ewlc-mobility	LOG_STD_RECUR_ACTION
MMIF_LOG-3-BUFF_DEALLOC_FAILED	3-Error	Failed to deallocate memory for [chars]	ICENTERR	ewlc-mobility	LOG_STD_RECUR_ACTION
MMIF_LOG-3-MSG_PAYLOAD_ALLOCATE_ERROR	3-Error	%02%02%02%02%02%02% Cannot allocate [chars] for [chars]	ICENTERR	ewlc-mobility	LOG_STD_RECUR_ACTION
MMIF_LOG-3-MSG_PAYLOAD_BUILD_ERROR	3-Error	%02%02%02%02%02%02% Cannot build [chars] for [chars]. Reason: [chars]	ICENTERR	ewlc-mobility	LOG_STD_RECUR_ACTION
MMIF_LOG-3-MSG_PAYLOAD_BUILD_GENERAL_ERROR	3-Error	%02%02%02%02%02%02% Failed to build [chars]: [chars]	ICENTERR	ewlc-mobility	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	MsgID	Component	Recommended-Action
MM_LOG-3-MSG_PAYLOAD_BUILD_ERROR	3-Error	%08x Cannot build [chars] for [chars]. Reason: [chars]	ICMPSTR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_BUILD_GENERAL_ERROR	3-Error	%08x Failed to build [chars]: [chars]	ICMPSTR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_ENCODE_ERROR	3-Error	%08x cannot encode mobility payload/s for [chars]. Reason: [chars]	ICMPSTR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_PROCESS_ERROR	3-Error	%08x Cannot process [chars] for [chars]. Reason: [chars]	ICMPSTR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_RECEIVE_ERROR	3-Error	%08x [chars] received is missing payload [chars]	ICMPSTR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_TIMER_ERROR	3-Error	[chars] Timer: [chars]	ICMPSTR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-4-EXPORT_ANCHOR_DENY	4-Warning	Export anchor required, but received export anchor deny for: WLAN Profile: [chars], Client MAC: %08x Error: [chars]		ewlc-guest	If this message occurs, depending on the error code appropriate action is required.
MM_LOG-4-RETRIES_FAILED	4-Warning	MAC: %08x All retries of [chars] (XID: [dec]) to [chars] have been exhausted	All retries for packet are exhausted	ewlc-mobility	LOG_STD_ACTION
MM_LOG-6-ANCHOR_GENERIC_INFO	6-Information	Anchor: [chars]. client mac: %08x	Anchor has detected a protocol issue and recovered.	ewlc-guest	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Msg	Message	Msg Explain	Component	Recommended-Action
MM_LOG-6-MAX_CLIENTS_PER_WLAN_REACHED	6-Information	MMLOG-6-00000000	Maximum number of Clients on wlan [chars] with Limit: [dec] Reached	Maximum number of Clients per wlan Join Limit Reached.	ewlc-mobility	LOG_STD_NO_ACTION
MM_LOG-6-MAX_CLIENTS_THRESHOLD_REACHED	6-Information	MMLOG-6-00000001	Maximum number of Client Join Limit: [dec] Reached	Maximum number of Client Join Limit Reached.	ewlc-mobility	LOG_STD_NO_ACTION
MM_LOG-6-MM_EXPORT_ANCHOR_FULL	6-Information	MMLOG-6-00000002	Export Anchor not responding, back off condition set (Client MAC: %02X%02X%02X%02X%02X%02X AnchorIP: [chars])	EXPORT-ANCHOR	ewlc-guest	LOG_STD_NO_ACTION
MM_LOG-6-WLAN_CLIENT_LIMIT	6-Information	MMLOG-6-00000003	Client limit reached on [chars]. Denied client mac: %02X%02X%02X%02X%02X%02X	Client limit reached on wlan on anchor.	ewlc-mobility	LOG_STD_ACTION
MM_LOG-7-EXPORT_ANCHORS_DOWN	7-Debug	MMLOG-7-00000004	All Export-Anchors are down.	All Export-Anchors are down.	ewlc-guest	If this message occurs, it implies that there is loss of network connectivity between the WLC and the export anchors for this guest LAN. It is recommended that the network and the status of the anchors be debugged for connectivity issues.
MM_LOG-7-MSG_PAYLOAD_SIZE_ERROR	7-Debug	MMLOG-7-00000005	The payload size has exceeded the limit. [chars]	Available buffer cannot hold IPV6 NDP pkt payload.	ewlc-mobility	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message ID	Component	Recommended-Action
MM_NODE_LOG-0-MULTICAST_GROUP_IP_SET_ERROR	0-Emergency	Error in [chars] while setting local mobility group multicast IP address [dec].[dec].[dec].[dec]. Please disable mobility multicast-mode if this error continues	Mobility is unable to use multicast for messaging	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-1-ANCHORS_DOWN	1-Alert	All Export-Anchors are down	All Export-Anchors are down on WLAN	ewlc-guest	If this message occurs, it implies that there is loss of network connectivity between the WLC and the export anchors for this WLAN. It is recommended that the network and the status of the anchors be debugged for connectivity issues.
MM_NODE_LOG-1-KEEP_ALIVE	1-Alert	Mobility [chars] tunnel to peer [chars] changed state to [chars]	Mobility tunnel state change message.	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-3-BUFF_ALLOC_FAILED	3-Error	Failed to allocate memory for [chars]	ICMP_ERROR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-BUFF_DEALLOC_FAILED	3-Error	Failed to deallocate memory for [chars]	ICMP_ERROR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-INTFCHANGE_REGISTER_FAILED	3-Error	Failed to register callback for interface changes	ICMP_ERROR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-3-INVALID_NONCE_RECVD	3-Error	Received an invalid Nonce-update from [chars]. [chars].	ICMP_ERROR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-INVALID_PMKDEL_RECVD	3-Error	Received PMK-delete from [chars] with no Station address TLV.	ICMP_ERROR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-INVALID_PMKUPD_RECVD	3-Error	Received an invalid PMK-update from [chars]. [chars].	ICMP_ERROR	ewlc-mobility	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MM_NODE_LOG-3-MEMBER_ADD_FAILED	3-Error	Could not add Mobility Member. Reason: [chars], IP: [chars]	Could not add Mobility Member for the given reason.	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-MEMBER_DEL_FAILED	3-Error	Could not delete Mobility Member. Reason: [chars], IP: [chars]	Mobility Member deletion from the list failed	ewlc-mobility	Please check if the mobility member to be deleted exists
MM_NODE_LOG-3-MEMBER_UPDATE_FAILED	3-Error	Could not update Mobility Member. Reason: [chars], IP: [chars]	Could not update Mobility Member for the given reason.	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-MSG_PAYLOAD_RECEIVE_ERROR	3-Error	[chars] message received is missing payload [chars]	ICMP error	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-MULTICAST_GROUP_SEND_ERROR	3-Error	Unable to send multicast mobility message. [chars]	Mobility is unable to use multicast for messaging	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-PEER_PING_FAILED	3-Error	Mobility ping to [chars] rejected. [chars]	Mobility ping rejected	ewlc-mobility	Please check the ping command issued
MM_NODE_LOG-3-PEER_PING_VERSION_UNKNOWN	3-Error	Mobility ping to [chars] rejected. [chars]	Mobility ping version unknown	ewlc-mobility	Please check if the controllers in the mobility list can interOp and
MM_NODE_LOG-3-PING_DROPPED	3-Error	Drop [chars] ping from [chars]. [chars]	Mobility ping response Dropped	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-3-PING_SEND_FAILED	3-Error	Failed to send a [chars] ping to [chars] . Reason: [chars].	Failed to send a ping	ewlc-mobility	Please check mobility configuration to see if it needs correction

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MM_NODE_LOG3SOCK_INVALID_MULTICAST_ADDRESS	3-Error	Mobility group local multicast address has invalid setting: [dec].[dec].[dec].[dec]. Resetting it to 0.0.0.0 and disabling mobility multicast	Mobility multicast group address configuration was found invalid. It may have been corrupted during config transfer	ewlc-mobility	Configure the address again by using cmd: config mobility multicast-mode enable multicast_address
MM_NODE_LOG-3-SOCK_OPER_FAILED	3-Error	Failed to [chars] a socket. [chars]	A Socket operation is failed	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG3SOCK_SET_ADDRESS_OPTION_FAILED	3-Error	Failed to [chars] a socket. Reason: [chars].	A Socket operation is failed. Multicast mode will not work for mobility	ewlc-mobility	Try setting the local group multicast address again. If the same error is seen, disable the multicast-mode for mobility and
MM_NODE_LOG-3-SYSTEM_IP	3-Error	Peer IP conflicts with system IP [chars]	Peer Ip is conflicting with System Management Ip.	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-3-SYSTEM_MAC	3-Error	Member [chars] is configured with a MAC that conflicts with system mobility MAC address (%02x%02x%02x%02x%02x%02x)	Peer MAC is conflicting with System Mobility MAC.	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4-DTLS_HANDSHAKE_FAIL	4-Warning	[chars] handshake failed for [chars] HB is down, need to re-initiate DTLS handshake	Error during DTLS handshake	ewlc-mobility	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	MsgFmtn	Component	Recommended-Action
MM_NODE_LOG-4HB_MEMBER_ADD_BY_IP_ERROR	4-Warning	Error adding Mobility member to heartbeat list (IP: [chars])	ICMPSSR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4HB_MEMBER_ADD_ERROR	4-Warning	Error adding Mobility member to heartbeat list (MAC: %02X%02X%02X%02X%02X%02X, IP: [chars])	ICMPSSR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4HB_MEMBER_DELETE_BY_IP_ERROR	4-Warning	Error deleting Mobility member from heartbeat list (IP: [chars])	ICMPSSR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4HB_MEMBER_DELETE_ERROR	4-Warning	Error deleting Mobility member from heartbeat list (MAC: %02X%02X%02X%02X%02X%02X, IP: [chars])	ICMPSSR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4HB_HEARTBEAT_LIST_MEMBER_UPDATE_ERROR	4-Warning	Error updating Mobility member IP in heartbeat list (MAC: %02X%02X%02X%02X%02X%02X, oldIP: [chars], newIP: [chars])	ICMPSSR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4-MEMBER_DOWN	4-Warning	[chars] path to mobility member [chars] is DOWN	A path to mobility member is DOWN	ewlc-mobility	If this message occurs, it implies that there is loss of network connectivity between the WLC and one of its mobility peers. It is recommended that the network and the status of the peers be debugged for connectivity issues.
MM_NODE_LOG-4-PMTU_FAILED	4-Warning	Capwap path MTU discovery error: [chars]	Mobility path MTU discovery failure	ewlc-mobility	LOG_SID_RECUR_ACTION
MM_NODE_LOG-4-PMTU_SET_FAILED	4-Warning	Failed to set path MTU to fast path for peer IP: [chars]	ICMPSSR	ewlc-mobility	LOG_SID_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	MsgID	Component	Recommended-Action
MM_NODE_LOG-6-HEARTBEAT_LIST_MEMBER_UPDATED	6-Information	Updating Mobility member IP in heartbeat list (MAC: %02x%02x%02x%02x%02x%02x, oldIP: [chars], newIP: [chars])	ICEXPSSNO	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-MEMBER_ADDED	6-Information	Adding Mobility member (IP: [chars]: [chars])	ICEXPSSNO	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-MEMBER_DELETED	6-Information	Deleting Mobility member (IP: [chars])	ICEXPSSNO	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-MEMBER_UP	6-Information	[chars] path to mobility member [chars] is UP	A path to mobility member is UP	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-MEMBER_UPDATED	6-Information	Updating Mobility member (IP: [chars]: [chars])	ICEXPSSNO	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-MM_EXPORT_ANCHOR_FULL_RESET	6-Information	Export Anchor back off condition cleared (AnchorIP: [chars])	ICEXPSSNO	ewlc-guest	LOG_STD_NO_ACTION
MM_NODE_LOG-6-PING_RECEIVER_ENTRY_DELETED	6-Information	Deleted ping receiver entry ([chars]) from heartbeat list for WLAN ([dec])	ICEXPSSNO	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-SOCK_SET_ADDRESS_OPTION	6-Information	Setting [chars] multicast group [chars] on the mobility sockets.	Multicast group membership was set on the socket.	ewlc-mobility	LOG_STD_NO_ACTION
MOBILITYD_LOG-2-INIT_FAILED	2-Critical	Error while initializing mobility daemon. [chars]	Error while initializing mobility daemon	ewlc-mobility	If this error is seen, it is recommended that the controller's mobility configuration be redone as it may have been lost. If you still require assistance, open a case with the Technical Assistance Center via the Internet or contact your Cisco technical support

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
NDBMAN-3-CONFIG_COMMIT_FAIL	3-Error	Commit failed for feature '[chars]' from [chars]:[dec] via [chars] user [chars] session [dec], transaction-id [dec]i error [chars]	A failed attempt to change running configuration was made via one of the model-based interfaces NOISOM Configuration was successfully validated by the feature during the validation phase of the transaction but failed during the commit phase	ddmi-infra	Check the device configuration. Collect device logs. Reinitialize the model-based component

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
NDBMAN-4-CONFIG_REJECT_W	4-Warning	Config rejected by feature '[chars]' from [chars]:[dec] via [chars] user [chars] session [dec], transaction-id [dec] error [chars]	A failed attempt to change running configuration was made via one of the model-based interfaces NOT SOMM Either the feature validation logic rejected the config change as invalid or an error occurred during an attempt to validate the config modification	ddmi-infra	Informational only. No action required.
NDBMAN-5-ACTIVE	5-Notice	All data providers active.	All data providers active.	ddmi-infra	Informational only. No action required.
NDBMAN-5-CONFIG_I	5-Notice	Configured feature '[chars]' from [chars]:[dec] via [chars] user [chars] session [dec], transaction-id [dec]	A change to the running configuration was performed via one of the model-based interfaces NOT SOMM	ddmi-infra	Informational only. No action required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
NDBMAN-5-MODEL_RPC_I	5-Notice	RPC '[chars]:[chars]' invoked from [chars]:[dec] via [chars] user [chars] session [dec]	A model remote procedure call was performed via one of the model-based interfaces NOT A DATA PROVIDER	ddmi-infra	Informational only. No action required.
NDBMAN-5-RESET	5-Notice	A data provider has stopped.	At least one data provider has stopped.	ddmi-infra	Informational only. No action required.
NDBUTIL4OUT_OF_RANGE_FOR_DECIMAL64_AND_FD	4-Warning	Double (%1\$s) with value (%2\$lf) is out-of-range (-%3\$ld to %3\$ld, exclusive) for a Decimal64 with fraction-digits = %4\$d.	The value of the EI double cannot be reliably converted to Yang Decimal64 with the specified fraction-digits with the proper precision, so the EI to Yang conversion is intentionally failing. The EI value should not be this big, so there's an error with the module setting the attribute's value.	ddmi-infra	Report an error to the Cisco engineering team responsible for the module that's setting the attribute.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
NEIGHBORHOOD_LOG-5-AP_NEIGHBORHOOD_APPLY	5-Notice	AP neighborhood based algorithm applied. [dec] number of APs have been load-balanced across WNCd instances.	RF based AP neighborhood algorithm is applied	ewlc-ap	If this message occurs, it implies that number of APs required load-balanced as per the load-balancing output
NEIGHBORHOOD_LOG-5-AP_NEIGHBORHOOD_DONE	5-Notice	AP clustering and WNCd assignment algorithm completed. [dec] number of AP neighborhoods formed and ready to load-balance across WNCd instances.	RF based AP clustering formation is done and neighborhoods have been allocated the WNCd instances	ewlc-ap	If this message occurs, it implies that all AP can be loadbalanced by using exec apply CLI or reload of the controller
NEIGHBORHOOD_LOG-5-AP_NEIGHBORHOOD_START	5-Notice	Starting AP clustering and WNCd assignment algorithm. Total number of APs collected for calculation: [dec].	Notification to start the neighborhood calculation	ewlc-ap	If this message occurs, Neighborhood algorithm is in progress.
NEIGHBORHOOD_LOG-5-AP_NEIGHBORHOOD_TIMER_EVENT	5-Notice	RRM based AP neighborhood algorithm cannot be started within 1 hour of system boot on calendar profile timer expiry event.	Calendar profile start timer expiry event is ignored	ewlc-ap	If this message occurs, it implies that AP neighborhood algorithm is not started on timer expiry event.
NEIGHBORHOOD_LOG-5-AP_NEIGHBORHOOD_UNSUPPORTED	5-Notice	RF based AP neighborhood load-balancing is not applicable to this platform. Please unconfigure calendar profile from ap neighborhood global configuration.	Calendar profile timer event callback handling error	ewlc-ap	If this message occurs, it implies that a calendar profile is attached to ap neighborhood config on an unsupported platform

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
NIF_MGR-6-DAD	6-Information	Dual Active detected: [chars]\n	Dual Active detected print on console.	iosxe-fwdmgr	No action. Action is only after recovery mode
NIF_MGR-6-DAD_RECOVERY_MODE	6-Information	Dual Active detected: Switch going into recovery mode [chars].\n	Dual Active detected print on console.	iosxe-fwdmgr	This switch need to be reloaded once user finishes debugging
NIF_MGR-6-DAD_RECOVERY_RELOAD_ALERT	6-Information	Switch is in recovery mode, needs Reload now. [chars].\n	Switch is in recovery mode, needs Reload now	iosxe-fwdmgr	This switch need to be reloaded since some correction is noticed
NIF_MGR-6-DOMAIN_NUMBER_MISMATCH	6-Information	Stackwise virtual domain number mismatch on stackwise virtual link [dec]\n	A port associated with a stackwise virtual link is connected to a peer with a different domain number than the local switch	iosxe-fwdmgr	For the switch to form a stack please configure same domain numbers on both the switches
NIF_MGR-6-PORT_CONNECTION_STATUS_CHANGE	6-Information	PORT:[chars] changed state from [chars] to [chars].\n	FSS Stack Port status change message.	iosxe-fwdmgr	No action is required
NIF_MGR-6-PORT_CONN_DISCONNECTED	6-Information	[chars] on front side stack link [dec] connection has DISCONNECTED: [chars]\n	A port associated with a front side stack link has disconnected connection.	iosxe-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
NIF_MGR-6-PORT_CONN_ERR	6-Information	[chars] on front side stack link [dec] connection is in ERR-DISABLE: [chars]\n	A port associated with a front side stack link has reached err-disable state.	iosse-fwdmgr	No action is required
NIF_MGR-6-PORT_CONN_PENDING	6-Information	[chars] on front side stack link [dec] connection is PENDING.\n	A port associated with a front side stack link has a pending connection.	iosse-fwdmgr	No action is required
NIF_MGR-6-PORT_CONN_READY	6-Information	[chars] on front side stack link [dec] connection is READY.\n	A port associated with a front side stack link has a ready connection.	iosse-fwdmgr	No action is required
NIF_MGR-6-PORT_CONN_TIMEOUT	6-Information	[chars] on front side stack link [dec] connection has TIMEOUT: [chars]\n	A port associated with a front side stack link has disconnected connection.	iosse-fwdmgr	No action is required
NIF_MGR-6-PORT_LINK_DOWN	6-Information	[chars] on front side stack link [dec] is DOWN.\n	A port associated with a front side stack link has come up.	iosse-fwdmgr	No action is required

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
NIF_MGR-6-PORT_LINK_UP	6-Information	[chars] on front side stack link [dec] is UP.\n	A port associated with a front side stack link has come up.	iosxfwdmgr	No action is required
NIF_MGR-6-STACK_LINK_DOWN	6-Information	Front side stack link [dec] is DOWN.\n	A port associated with a front side stack link has come up.	iosxfwdmgr	No action is required
NIF_MGR-6-STACK_LINK_UP	6-Information	Front side stack link [dec] is UP.\n	A port associated with a front side stack link has come up.	iosxfwdmgr	No action is required
NIM_XXD-3-DISK_ERROR	3-Error	Error detected on disk [dec] in module [chars] in subslot [dec]/[dec]. [chars].	Disk error detected in the SPA (NIM/D) Refer to comment for details.	ioscdmgr	Back-up any data and replace the disk.
NIM_XXD-3-DISK_REMOVAL	3-Error	One or more disks in SPA ([chars]) in subslot [dec]/[dec] can not be detected. Please power down this SPA and insert disk(s).	Disks have been removed from SPA	ioscdmgr	Power down the SPA, insert disks and power up the SPA.
NIM_XXD-5-DISK_MONITOR	5-Notice	Disk [dec] in module [chars] in subslot [dec]/[dec] is detected but monitoring is not available.	Monitoring of disk in SPA (NIM/D) is unavailable.	ioscdmgr	Add a database file with monitoring information for this disk model and manufacturer.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
NMSP_SYSLOG-3-NMSP_DB_LOCK_NOT_ACQUIRED	3-Error	NMSP client application is expected to acquire lock for NMSP local database before calling NMSP API: [chars]	Locking sequence for the DB's is defined in this application. The locking order of DB's needs to be followed as per the application set order, where local DB come first. NMSP client application must acquire local DB lock before calling NMSP API	ewlc-nmsp	LOG_STD_ACTION
NMSP_SYSLOG-3-NMSP_HTTPS_ERROR_CONFIG	3-Error	nmspd cloud service config error: [chars]	Configuration error prevented successful connection to CMX cloud service.	ewlc-nmsp	Check configuration of cmx cloud service, e.g. server URL and token.
NMSP_SYSLOG-3-NMSP_HTTPS_ERROR_CRYPTO	3-Error	nmspd HTTPS error: [chars]	Peer verification of CMX cloud service failed.	ewlc-nmsp	Check that server certificate can be verified by root CA certificates in trustpool of crypto PKI.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
NMSP_SYSLOG-3-NMSP_SSL_ERROR_CERT	3-Error	nmspd TLS certificate error: [chars]	Error validating TLS certificate for incoming CMX connection	ewlc-nmsp	Check that certificates and SHA2 key are properly setup on eWLC. Contact TAC if issue persists.
NMSP_SYSLOG-3-NMSP_SSL_ERROR_DISCONNECT	3-Error	nmspd TLS disconnection: [chars]	Remote CMX connection over TLS protocol had been dropped.	ewlc-nmsp	Check connectivity with CMX, CMX service status and AAA configuration.
NMSP_SYSLOG-3-NMSP_SSL_ERROR_INTERNAL	3-Error	nmspd internal error occurred when handling TLS connection: [chars]	Internal eWLC error prevented successful establishment of CMX connection over TLS protocol	ewlc-nmsp	Check availability of the system resources of the eWLC controller: memory, open files, sockets. Contact TAC if issue persists
NMSP_SYSLOG-5-NMSP_HTTPS_INTERFACE_NOTICE	5-Notice	nmspd HTTPS info: [chars]	Wireless management interface notification.	ewlc-nmsp	No action required.
NMSP_SYSLOG-5-NMSP_HTTPS_NOTICE	5-Notice	nmspd HTTPS info: [chars]	This is an informational message.	ewlc-nmsp	No action required.
NMSP_SYSLOG-5-NMSP_SSL_NOTICE	5-Notice	nmspd TLS notice: [chars]	This is an informational message.	ewlc-nmsp	No action required.
NODE_HDLR-1-DUAL_ACTIVE_CFG_MSG	1-Alert	Dual Active Detection [chars]	Switch detected availability or unavailability of Dual Active Detection ports.	ios-e-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
NODE_HDLR-1-EPA_MISMATCH	1-Alert	[chars]. The mis-match may caused by hardware failure or different EPA types.\n	The Standby EPA mismatch with Active EPA.	iossefwdmgr	Need to make them match
NODE_HDLR-1-FATAL_ERR	1-Alert	Stack manager encountered an unrecoverable error. [chars]\n	The stack manager process has encountered an unrecoverable error and the switch is being reloaded.	iossefwdmgr	Please ensure valid switch numbers are being used. If you still believe there is an error in the system, please send the system report to a TAC representative
NODE_HDLR-1-LIC_MISMATCH	1-Alert	License level is [chars] and needs to be upgraded to [chars] for Stackwise Virtual to function.\n	Current Licnese level on active switch does not support Stackwise Virtual.	iossefwdmgr	Need to be upgraded to supported license level
NODE_HDLR-1-RELOAD	1-Alert	Reloading due to reason [chars]\n	The specified switch has received a reload request and is being reloaded.	iossefwdmgr	No action is required
NODE_HDLR-1-RELOAD_REQUEST	1-Alert	Received reload request for [chars], reason [chars]\n	The specified switches are being reloaded.	iossefwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
NODE_HDLR-1-STACK_MERGE_IGNORE	1-Alert	Stack Merge Ignored [chars]\n	Switch detected multiple Active switches. But stack-merge is being ignored.	iosxe-fwdmgr	No action is required
NODE_HDLR-4-SWITCH_ADDED	4-Warning	[chars] [dec] has been added to the stack.\n	The specified switch has been added to the stack.	iosxe-fwdmgr	No action is required
NODE_HDLR-4-SWITCH_REMOVED	4-Warning	[chars] [dec] has been removed from the stack.\n	The specified switch has been removed from the stack.	iosxe-fwdmgr	No action is required
NODE_HDLR-5-CHASSIS_ROLE_UPDATE_FAIL	5-Notice	Failed to Set [chars] Chassis [dec] chassis_role [chars]	This is used to indicate that update to new role failed	iosxe-fwdmgr	This is a rare failure condition. Please reach out to TAC
NODE_HDLR-5-FAST_RELOAD_DONE	5-Notice	Fast reload operation completed successfully on entire stack	This is used to indicate that the fast reload on stack is complete.	accsw-p-fsu	No action needed. This is not an error.
NODE_HDLR-6-ACTIVE_ELECTED	6-Information	[chars] [dec] has been elected ACTIVE.\n	The specified switch has been elected active.	iosxe-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
NODE_HDLR-6-ACTIVE_READY	6-Information	Active [chars] [dec] is ready.\n	The active switch is ready.	iosse-fwdmgr	No action is required
NODE_HDLR-6-CHASSIS_ADDED	6-Information	[chars] [dec] has been added to the stack.\n	The specified chassis has been added to the stack.	iosse-fwdmgr	No action is required
NODE_HDLR-6-CHASSIS_READY	6-Information	[chars] [dec] is ready.\n	The specified chassis is ready.	iosse-fwdmgr	No action is required
NODE_HDLR-6-CHASSIS_REMOVED	6-Information	[chars] [dec] has been removed from the stack.\n	The specified chassis has been removed from the stack.	iosse-fwdmgr	No action is required
NODE_HDLR-6-CHASSIS_REMOVED_KA	6-Information	[chars] [dec] has been removed from the stack due to keepalive failure. \n	Chassis has been removed due to the keepalive failure.	iosse-fwdmgr	No action is required
NODE_HDLR-6-DISC_DONE	6-Information	[chars] [dec] has finished stack discovery.\n	The specified switch has completed stack discovery and is moving to the election phase.	iosse-fwdmgr	No action is required
NODE_HDLR-6-DISC_START	6-Information	[chars] [dec] is starting stack discovery.\n	The specified switch is starting stack discovery.	iosse-fwdmgr	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
NODE_HDLR-6-KA_MISSED	6-Information	Info	Keepalive missed for [dec] times for [chars] [dec] \n	Chassis has been removed due to the keepalive failure.	iosxe-fwdmgr	No action is required
NODE_HDLR-6-STACK_LINK_CHANGE	6-Information	Info	Stack port [dec] on [chars] [dec] is [chars]\n	The specified stack port has changed status.	iosxe-fwdmgr	No action is required
NODE_HDLR-6-STANDBY_ELECTED	6-Information	Info	[chars] [dec] has been elected STANDBY.\n	The specified switch has been elected standby.	iosxe-fwdmgr	No action is required
NODE_HDLR-6-SWITCH_READY	6-Information	Info	[chars] [dec] is ready.\n	The specified switch is ready.	iosxe-fwdmgr	No action is required
NPI_L3TUNNEL_ERRMSG-3-MAX_TUNNEL	3-Error	Error	The maximum number of Tunnel has been reached\n	Hardware resource allocation has failed and the entry will not be programmed	INVALID	New Tunnels will not be working as expected.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
ODMSVRERRMSGDMTBLRCSRDBNOTCONG	3-Error		Client ([chars]/[dec]) table [[chars]/[chars]] registration DB [[chars]] is not found in server configuration	ODM client is registering its monitored TDL database tables to ODM server daemon. But ODM server daemon doesn't have requested (consolidated) database information.	iosxe-p-db	LOG_STD_ACTION
ODMSVRERRMSGDMTBLRCSRTABLENOCONG	3-Error		Client ([chars]/[dec]) table [[chars]/[chars]] registration table is not found in server DB [[chars]] configuration	ODM client is registering its monitored TDL database tables to ODM server daemon. But ODM server daemon doesn't have requested table information in consolidated database.	iosxe-p-db	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
ODM-3-WARNING-ODM-TABLE-REG-CONF-MISMATCH	4-Warning	Client ([chars]/[dec]) table [[chars]/[chars]] registration table configuration (0x%x) mis-matched with server configuration (0x%x)	ODM client is registering its monitored TDL database tables to ODM server daemon. But ODM table configuration is not matched between client and server.	iosxe-p-db	LOG_STD_ACTION
OMPD-3-PEER_STATE_INIT	3-Error	[chars] peer [chars] state changed to Init	This syslog is generated when OMP peer state changes to INIT	vip-omp	No action is required
OMPD-3-STATE_DOWN	3-Error	Operational state changed to [chars]	This syslog is generated when Cisco SD-WAN Overlay Management Protocol (OMP) goes DOWN	vip-omp	No action is required
OMPD-5-PEER_STATE_UP	5-Notice	[chars] peer [chars] state changed to Up	This syslog is generated when OMP peer state changes to UP	vip-omp	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
OMPD-5-STATE_UP	5-Notice	Operational state changed to [chars]	This syslog is generated when Cisco SD-WAN Overlay Management Protocol (OMP) comes UP	vip-omp	No action is required
OMPD-6-NUMBER_OF_VSMARTS	6-Information	Number of vSmarts connected : [dec]	This info log is generated whenever SD-WAN edge device either establishes (or) looses connection with SD-WAN Controller nodes	vip-omp	No action is required
OMPD-6-PEER_STATE_HANDSHAKE	6-Information	[chars] peer [chars] state changed to Handshake	This syslog is generated when OMP peer state changes to HANDSHAKE	vip-omp	No action is required

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
OOM-0-NO_MEMORY_RESET	0-Emergency	The system is completely out of available memory. The board will be reset.	The system has exhausted all available memory and the hardware component will be reset.	ioscbinsult	Review other messages related to low memory states and see if those messages contain any information about an issue that can be addressed. If this problem persists, copy all the output from the console as well as the output of show tech-support, and provide the gathered information to your Cisco technical support representative.
OOM-3-NO_MEMORY_AVAIL	3-Error	The system is very low on available memory. Operations will begin to fail.	The system has exhausted all available memory. It is not possible to continue stable operation.	ioscbinsult	The system has exhausted all available memory and stable operation is no longer possible.

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Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
PAE_CORE_TEST-6-REPORT_ID	6-Information	Created report id: [chars]	Result of the test report request	iosxe-ui	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
PAM_UPDB-3-NOENVIRONMENT_SET	3-Error	Error setting user in application environment: [chars]	The user has successfully authenticated, but the user information could not be saved to the application environment. The user session will not proceed.	iosetools	LOG_STD_RECUR_ACTION
PAM_UPDB-3-NOPROMPT_READ	3-Error	Error reading [chars] prompt: [chars]	The authentication module was unable to read the specified prompt file. The default prompt will be used.	iosetools	LOG_STD_RECUR_ACTION
PCGW_HA_LIB_MESSAGE-3BULK_SYNC_STATE_ERR	3-Error	Error: Bulk sync status : [chars]	Bulk sync status Error message. TERMINATED - Bulk-sync terminated	pcgw-ha	LOG_STD_NO_ACTION
PCGW_HA_LIB_MESSAGE-3PCGW_CONFIG_SYNC_FAIL	3-Error	Error: pcgw config sync not complete. Reloading the PCGW!	Switchover happens before pcgw config sync is complete!	pcgw-ha	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
PCGW_HA_LIB_MESSAGE-6BULK_SYNC_STATE_INFO	6-Information	INFO: Bulk sync status : [chars]	Bulk sync status INFO message. COLD - Bulk-sync ongoing. COLD - critical DB sync complete. WARM - Most of the DB's synced. HOT - Bulk-sync completed	pcgw-ha	LOG_STD_NO_ACTION
PEER_SELECTION-5EWC_PEER_SELECTION_ADD_EV	5-Notice	ADD event: [chars]	Reports an important HA peer (a.k.a. standby) selection ADD event	isecbinutils	LOG_STD_NO_ACTION
PEER_SELECTION-5EWC_PEER_SELECTION_PREFER_EV	5-Notice	Preferred master event: [chars]	Reports an important HA peer (a.k.a. standby) selection preferred master event	isecbinutils	LOG_STD_NO_ACTION
PEER_SELECTION-5EWC_PEER_SELECTION_REMOVE_EV	5-Notice	REMOVE event: [chars]	Reports an important HA peer (a.k.a. standby) selection REMOVE event	isecbinutils	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
PEER_SELECTION-5-EWC_PEER_SELECTION_SELECT_EV	5-Notice	SELECT event: [chars]	Reports an important HA peer (a.k.a. standby) selection SELECT event	iosetools	LOG_STD_NO_ACTION
PLATFORM-2-NPU_MEMORY_ERROR	2-Critical	NPU EVENT: Detected memory errors on ASIC INST([dec])\n	NPU memory errors reached threshold	INVALID	This message appears on the switch when the Network Processing Unit (NPU) reaches the maximum allowable threshold for memory errors as specified by the hardware design. Exceeding this threshold could affect the switch behavior, depending on which memory modules are experiencing errors. Collecting detailed information about the memory errors is recommended using the command 'show platform hardware fed switch active fwd-asic insight device_ecc_counters'. Additionally, reloading the switch is advised to determine if the memory errors persist.
PLATFORM2S1_ASIC_FABRIC_BW_ABOVE_THRESHOLD	2-Critical	S1 ASIC EVENT: The number of fabric ports in the S1 ASIC [dec] are above the system threshold.\n	Silicon one ASIC fabric port threshold event	INVALID	Check the fabric info for the S1 ASIC
PLATFORM2S1_ASIC_FABRIC_BW_BELOW_THRESHOLD	2-Critical	S1 ASIC EVENT: The number of fabric ports in the S1 ASIC [dec] are below the system threshold.\n	Silicon one ASIC fabric port threshold event	INVALID	Check the fabric info for the S1 ASIC

Facility-Severity-Mnemonic	Sev	Msg	Msg Explain	Component	Recommended-Action
PLATFORM-2-S1_ASIC_THROTTLING_DISABLE	2-Critical	S1 ASIC EVENT: S1 ASIC [dec] temperature is back to normal. Traffic throttling is disabled now.\n	Silicon one ASIC overheating event	INVALID	Copy the message exactly as it appears on the console or in the system log
PLATFORM-2-S1_ASIC_THROTTLING_ENABLE	2-Critical	S1 ASIC EVENT: A high temperature condition is detected in S1 ASIC [dec]. The system will automatically enable traffic throttling in an attempt to restore temperatures and prevent permanent damage to the ASIC. Traffic drops are expected in this scenario and normal traffic behaviour will resume after the ambient ASIC temperatures are restored.\n	Silicon one ASIC overheating event	INVALID	Check the ambient temperature of the room and check for blockages in airflow
PLATFORM-3-ELEMENT_CRITICAL	3-Error	[chars]: [chars] value [chars] [chars] critical level [chars]	The Shell Manager monitors the health of each board and emits an error message when a value has passed a critical level.	ioseshellng	Reduce static and dynamic loads on the system by reducing the number of elements in the configuration or by limiting the capacity for dynamic services.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
PLATFORM-3-ELEMENT_TMPFS_CRITICAL	3-Error		[chars]: TMPFS value [dec]%% above critical level [dec]%%	The Shell Manager monitors the tmpfs usage of each board and emits an error message when a value has passed warning level. The critical level is computed based on total DRAM memory. Currently the critical level is 50% of total DRAM memory	ios-shellmgr	Emit syslog message with current tmpfs usage, warning level along with location of the board in which the error is happening

Facility-Severity-Mnemonic	Sub-Mnemon	Message	Msg Explain	Component	Recommended-Action
PLATFORM-3-ELEMENT_TMPFS_WARNING	3-Error	[chars]: TMPFS value [dec]%% above warning level [dec]%%	The Shell Manager monitors the tmpfs usage of each board and emits an error message when a value has passed warning level. The warning level is computed based on total DRAM memory. Currently the warning level is 40% of total DRAM memory	ioseshellmgr	Emit syslog message with current tmpfs usage, warning level along with location of the board in which the error is happening
PLATFORM-4-ELEMENT_WARNING	4-Warning	[chars]: [chars] value [chars] [chars] warning level [chars]. [chars]	The Shell Manager monitors the health of each board and emits a warning message when a value has passed a critical level.	ioseshellmgr	Reduce static and dynamic loads on the system by reducing the number of elements in the configuration or by limiting the capacity for dynamic services.

Facility-Severity-Mnemonic	Severity	Message	Message Plain	Component	Recommended-Action
PLATFORM-5-RESETCARD	5-Notice	[chars] reset to acquire provisioned software	The linecard specified was not running the currently provisioned software, which it will acquire on restart.	iosetbinutils	No user action is necessary. This message indicates the system is functioning normally and is provided for informational purposes only.
PLATFORM_MGR-1-PLATMGR_INIT_FAIL	1-Alert	Platform Manager: [chars]\n	Platform Manager Initialization has failed.	platform_mgr	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.
PMAN-0-PROCESS_NOTIFICATION	0-Emergency	The process lifecycle notification component failed because [chars]	The process lifecycle notification component failed, preventing proper detection of a process start and stop. This problem is likely the result of a software defect in the software sub-package.	iosedrassmgr	Note the time of the message and investigate the kernel error message logs to learn more about the problem and see if it is correctable. If the problem cannot be corrected or the logs are not helpful, copy the error message exactly as it appears on the console along with the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
PMAN-0-PROCFAILCRIT	0-Emergency		A critical process [chars] has failed (rc [dec])	A process important to the functioning of the router has failed.	iosdchassis	Note the time of the message and investigate the error message logs to learn more about the problem. If the problem persists, copy the error message and the output of show platform software tech-support into a plaintext file and contact Cisco technical support with the gathered information.
PMAN-3-PROCFAIL	3-Error		The process [chars] has failed (rc [dec])	The process has failed as the result of an error.	iosdchassis	This message will appear with other messages related to the process. Check the other messages to determine the reason for the failures and see if corrective action can be taken. If the problem persists, copy the error messages and the output of show platform software tech-support into a plaintext file and contact Cisco technical support.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
PMAN-3-PROCFAILOPT	3-Error		An optional process [chars] has failed (rc [dec])	A process that does not affect the forwarding of traffic has failed.	iosdasmgr	Note the time of the message and investigate the kernel error message logs to learn more about the problem. Although traffic will still be forwarded after receiving this message, certain functions on the router may be disabled as a result of this message and the error should be investigated. If the logs are not helpful or indicate a problem you cannot correct, copy the error message as it appears on the console and the output of show tech-support and provide the information to a Cisco technical support representative.
PMAN-3-PROCFAIL_IGNORE	3-Error		[chars] process exits and failures are being ignored due to debug settings. Normal router functionality will be affected. Critical router functions like RP switchover, router reload, FRU resets, etc. may not function properly.	A process exit or failure is being ignored due to the user-configured debug settings.	iosdasmgr	If this behavior is desired and the debug settings are set according to the user's preference, no action is needed. If the appearance of this message is viewed as a problem, change the debug settings. The router is not expected to behave normally with this debug setting. Functionality like SSO switchover, router reloads, FRU resets, etc. will be affected. This setting should only be used in a debug scenario. It is not normal to run the router with this setting

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
PMAN-3-PROCHOLDDOWN	3-Error		The process [chars] has been helddown (rc [dec])	The process was restarted too many times with repeated failures and has been placed in the holddown state.	isecdrssmg	This message will appear with other messages related to the process. Check the other messages to determine the reason for the failures and see if corrective action can be taken. If the problem persists, copy the error messages and the output of show platform software tech-support into a plaintext file and contact Cisco technical support.
PMAN-3-PROC_BAD_COMMAND	3-Error		Non-existent executable or bad library used for process [chars]	The executable file used for the process is missing or a dependent library is bad	isecdrssmg	Make sure that the named executable is present and dependent libraries are good
PMAN-3-PROC_BAD_EXECUTABLE	3-Error		Bad executable or permission problem with process [chars]	The executable file used for the process is bad or has permission problem	isecdrssmg	Make sure that the named executable is replaced with correct executable
PMAN-3-PROC_EMPTY_EXEC_FILE	3-Error		Empty executable used for process [chars]	The executable file used for the process is empty	isecdrssmg	Make sure that the named executable is of non-zero size

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
PMAN-3-PROC_RESTART_CNT_EXCEEDED	3-Error		The process [chars] restart count ([dec]) has exceeded the configured limit ([dec])	The process was restarted many times and has exceeded the configured limit.	iosdasmgr	This message will appear with other messages related to the process. Check the other messages to determine the reason for the failures and see if corrective action can be taken. If the problem persists, copy the error messages and the output of show platform software tech-support into a plaintext file and contact Cisco technical support.
PMAN-3-RELOAD_FRU_IGNORED	3-Error		All [chars]/[dec] reloads are being ignored. This is being done for debugging purposes and will be changed at a later time to allow the reload. Critical router functions like RP switchover, router reload, FRU resets, etc. may not function properly.	A supervisor failure is being ignored due to debugging purposes.	iosdasmgr	This will be removed at a later point in time
PMAN-3-RELOAD_RP	3-Error		Reloading: [chars]	The RP is being reloaded	iosdasmgr	Make sure this is not due to an error condition. If it is due to an error condition, collect information requested by the other log messages
PMAN-3-RELOAD_RP_SB_NOT_READY	3-Error		Reloading: [chars]	The RP is being reloaded since there is no ready standby instance	iosdasmgr	Make sure this is not due to an error condition

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
PMAN-3-RELOAD_SYSTEM	3-Error	Reloading: [chars]	The system is being reloaded	is not a message	Make sure this is not due to an error condition. If it is due to an error condition, collect information requested by the other log messages
PMAN-3-RPSWITCH	3-Error	RP switch initiated. Critical process [chars] has failed (rc [dec])	A RP switchover has been initiated due to a critical fault	is not a message	Make sure this is not due to an error condition. If it is due to an error condition, collect debug information like all console output and log files
PMAN-5-EXITACTION	5-Notice	Process manager is exiting: [chars]	The process manager is exiting	is not a message	Make sure this is not due to an error condition. If it is due to an error condition, collect information requested by the other log messages
PMAN-6-PROC SHUT	6-Information	The process [chars] has shutdown	The process has gracefully shutdown.	is not a message	No user action is necessary. This message is provided for informational purposes only.
PMAN-6-PROC START	6-Information	The process [chars] has started	The process has launched and is operating properly.	is not a message	No user action is necessary. This message is provided for informational purposes only.
PMAN-6-PROC STATELESS	6-Information	The process [chars] is restarting stateless	The process has requested a stateless restart.	is not a message	No user action is necessary. This message is provided for informational purposes only.
PMAN-6-PROC_PATCH	6-Information	Process [chars] restarted to apply/remove a patch	Process will be relaunched to apply/remove a patch	is not a message	No user action is necessary. This message is provided for informational purposes only.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
POLICY-3-DATA_POLICY_COMMIT_FAILURE	3-Error	Data policy commit failure error, reason: [chars] ([chars])	This error syslog is generated when OMP daemon is not able to commit data policies config, received from SD-WAN Controller, into config database. This can happen when there multiple commits (writes) happening in parallel. SD-WAN edge device will not be able to apply centralized data policies to traffic	vip-omp	No action is required, the system should recover after sometime when OMP daemon would retry committing data policy config into CDB

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
POLICY-3-TAG_INSTANCES_COMMIT_FAILURE	3-Error	Tag instances commit failure error, reason: [chars] ([chars])	This error syslog is generated when OMP daemon is not able to commit tag instances config, received from SD-WAN Controller, into config database. This can happen when there multiple commits (writes) happening in parallel SD-WAN edge device will not be able to apply centralized data policies to traffic	vip-omp	No action is required, the system should recover after sometime when OMP daemon would retry committing tag instance config into CDB

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
POLICY-5-EMPTY_POLICY_FROM_PEER	5-Notice	Using empty policy from peer [chars]	This syslog is generated when Cisco SD-WAN Controller does not push (or) removes centralized data policy from cEdge device	vip-omp	No action is required
POLICY-5-NO_POLICY	5-Notice	Not using any policy	This syslog is generated when there are no OMP connections to Cisco SD-WAN Controller and Graceful Restart timer has also expired. Existing centralized data policy is removed	vip-omp	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
POLICY-5-POLICY_FROM_PEER	5-Notice	Using policy from peer [chars]	This syslog is generated whenever data-policy config received from Cisco SD-WAN Controller is programmed into data path	vip-omp	No action is required
PRELIB_DL-3-UNREGISTERED_DLOPEN	3-Error	Unregistered request to dlopen library [chars]	The program is attempting to dynamically open a library that has not been explicitly listed on its list of dynamically opened libraries. This represents a potential security threat as well as creates potential run-time instabilities	isc-binutils	File a DDTS against the listed program to register the library in question. If this was an unexpected call to dlopen then the source of the call should be root-caused and closed
PSD_MOD-3-DMI_DIR_CREATE_FAIL	3-Error	PSD/DMI: Failed to create directory: [chars] ([chars])	An error has occurred when attempting to create a directory.	ddmi-infra	Log a message

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
PSD_MOD-3-DMI_DIR_DELETE_FAIL	3-Error	PSD/DMI: Failed to delete directory: [chars] ([chars])	An error has occurred when attempting to delete a directory.	ddmi-infra	Log a message
PSD_MOD-3-DMI_FILE_CREATE_FAIL	3-Error	PSD/DMI: Failed to create file: [chars] ([chars])	An error has occurred when attempting to create a file.	ddmi-infra	Log a message
PSD_MOD-3-DMI_FILE_DELETE_FAIL	3-Error	PSD/DMI: Failed to delete file: [chars] ([chars])	An error has occurred when attempting to delete a file.	ddmi-infra	Log a message
PSD_MOD-3-SD_ROUTING_DMI_REQUIRED	3-Error	PSD/SD-ROUTING: Please configure netconf-yang to activate the sd-routing feature	SD-Routing depends upon DMI	ctrl-mng-rtg	Not applicable
PSD_MOD-5-DMI_NOTIFY_NETCONF_START	5-Notice	PSD/DMI: netconf-yang server has been notified to start	A specific informational message from psd_mod	ddmi-infra	Not applicable
PSD_MOD-5-DMI_NOTIFY_NETCONF_STOP	5-Notice	PSD/DMI: netconf-yang server has been notified to stop	A specific informational message from psd_mod	ddmi-infra	Not applicable
PSD_MOD-5-DMI_NOTIFY_RESTARTING	5-Notice	PSD/DMI: netconf-yang and/or restconf will now be restarted, and any sessions in progress will be terminated	A specific informational message from psd_mod	ddmi-infra	Not applicable

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
PSD_MOD-5-DMI_NOTIFY_RESTCONF_START	5-Notice	PSD/DMI: restconf server has been notified to start	A specific informational message from psd_mod	ddmi-infra	Not applicable
PSD_MOD-5-DMI_NOTIFY_RESTCONF_STOP	5-Notice	PSD/DMI: restconf server has been notified to stop	A specific informational message from psd_mod	ddmi-infra	Not applicable
PSD_MOD-5-DMI_NOTIFY_USER	5-Notice	PSD/DMI: [chars]	An informational message from psd_mod	ddmi-infra	Not applicable
PSD_MOD-5-PSID_NOTIFY_SYSTEM_INTEGRITY_START	5-Notice	SYSTEM INTEGRITY: pistis daemon has been notified to start	A specific informational message from psd_mod	polaris-infra	Not applicable
PSD_MOD-5-PSID_NOTIFY_SYSTEM_INTEGRITY_STOP	5-Notice	SYSTEM INTEGRITY: pistis daemon has been notified to stop	A specific informational message from psd_mod	polaris-infra	Not applicable
PSD_MOD-5-SD_ROUTING_NOTIFY_START	5-Notice	PSD/SD-ROUTING: SD-Routing server has been notified to start	A specific informational message from psd_mod	ctrl-mng-rtg	Not applicable
PSD_MOD-5-SD_ROUTING_NOTIFY_STOP	5-Notice	PSD/SD-ROUTING: SD-Routing server has been notified to stop	A specific informational message from psd_mod	ctrl-mng-rtg	Not applicable

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
PTHUTIL-3-EVENT_HANDLER	3-Error	Task [chars] has no [chars] event handler	The task specified has failed to install a handler for the specified event. This implies that the event has been dropped.	iosebinutils	LOG_STD_ACTION
PTHUTIL-3-SCHED_EMPTY	3-Error	Scheduler has no tasks available	The Pth scheduler has detected that there is no task available to run. This is an error condition for the process itself is a task.	iosebinutils	LOG_STD_ACTION
PTHUTIL-3-SCHED_FD_OVERFLOW	3-Error	Scheduler has more than [dec] FDs	The are too many FDs for the Pth scheduler. This is an error condition for the process itself.	iosebinutils	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
PTHUTIL-3-STACK_OVERFLOW	3-Error		Task [chars] stack overflow	A Pth task has overflowed its stack. This has been detected by the Pth scheduler and reported.	isecbinsults	LOG_STD_ACTION
PTHUTIL-3-TIMER_THRASHING	3-Error		Timer [chars] is thrashing on [chars]	The Pth scheduler has detected that an event has remained on the ready queue after being notified of requiring processing.	isecbinsults	LOG_STD_ACTION
PTHUTIL-3-TIMER_UPDATE	3-Error		Timer [chars] update of [chars] not updated [dec]	The attempt to update a watched timer has failed due to either the timer not existing or the inability to move the timer to its new position post update.	isecbinsults	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
PTPD-0-CHASFS_OBJECT_CREATE	0-Emergency	Failed to create chassis filesystem object [chars] because [chars]	The hardware failed to create a chassis filesystem object.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-CHASFS_OBJECT_NOT_PRESENT	0-Emergency	Expected chassis filesystem object [chars] not present.	A chassis filesystem object expected to be present is not. This could be due to a software defect or filesystem failure.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-CHASFS_OBJECT_WATCH	0-Emergency	Failed to watch chassis filesystem object [chars] because [chars]	A chassis filesystem object was not watched because of the reason stated in the error message.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
PTPD-0-CHASFS_PROPERTY_CREATE	0-Emergency	Failed to create chassis filesystem object [chars] property [chars] because [chars]	A chassis filesystem property was not properly created.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-CHASFS_PROPERTY_GET	0-Emergency	Failed to read chassis filesystem object [chars] property [chars] because [chars]	A chassis filesystem property was not properly read by the system.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-CHASFS_PROPERTY_NOT_PRESENT	0-Emergency	Expected chassis filesystem object [chars] property [chars] not present.	A chassis filesystem object property expected to be present is not. This could be due to a software defect or filesystem failure.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
PTPD-0-CHASFS_PROPERTY_SET	0-Emergency	Failed to write chassis filesystem object [chars] property [chars] because [chars]	A chassis filesystem property failed to write.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-EVENT_LIBRARY	0-Emergency	An event facility initialization or maintenance function failed because [chars]	An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-IPC_CONNECTION_INVALID	0-Emergency	An IPC connection has invalid state.	An IPC connection has an invalid state. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
PTPD-0-IPC_CONNECT_MASTER	0-Emergency	IPC connection to the active RSP failed because [chars]	IPC connection to the active RSP failed. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-IPC_INITIALIZATION	0-Emergency	IPC initialization failed because [chars]	IPC initialization failed. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-MESSAGE_REGISTER	0-Emergency	Failed to register with active RSP because [chars]	The active RSP failed to register.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
PTPD-0-MESSAGE_RELAY	0-Emergency	Failed to relay a message because [chars]	Failed to relay a message. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-MESSAGE_RESPONSE	0-Emergency	An invalid message response was received because [chars]	An invalid message response was received. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-MQIPC_ADVANCE	0-Emergency	Failed to advance MQIPC queue because [chars]	The MQIPC initialization failed.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
PTPD-0-MQIPC_INITIALIZATION	0-Emergency	MQIPC initialization failed because [chars]	MQIPC initialization failed. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-PEER_TABLE	0-Emergency	A peer table initialization or maintenance function failed because [chars]	A peer table initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-0-RESOURCE	0-Emergency	Resource allocation failed in [chars] because [chars]	The system is unable to allocate the requested resource.	asr900-ptp	In most cases, this message is seen as a result of a temporary resource issue. Retry the request for the resource when the system is experiencing lower traffic volumes. If the message persists, reload the router using the reload command.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
PTPD-3-CHASFS_OBJECT_DESTROY	3-Error	Failed to destroy chassis filesystem object [chars] because [chars]	A chassis filesystem object that should have been destroyed was not destroyed.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
PTPD-3-CHASFS_PROPERTY_DESTROY	3-Error	Failed to destroy chassis filesystem property [chars]/[chars] because [chars]	A chassis filesystem property that should have been destroyed was not destroyed.	asr900-ptp	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
QOS_ERROR_MESSAGE3QOS_CLIENT_POLICY_AP_INSTALL_FAIL	3-Error	ERROR: Failed to install policy: [chars] for Client: %D%D%D%D%D%D on AP: [chars] with status: [chars]	Client policy install on AP failed.	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE3QOS_CLIENT_POLICY_AP_SEND_FAIL	3-Error	ERROR: For Client mac %D%D%D%D%D%D failed to send policy [chars] to AP due to reason: [chars]	Error Binding Client Policy. Policy not sent to AP	ewlc-qos	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
QOS_ERROR_MESSAGE3-QOS_CLIENT_POLICY_AP_UNINSTALL_FAIL	3-Error	ERROR: Failed to uninstall policy: [chars] for Client: %02%02%02%02%02%02x on AP: [chars] with status: [chars]	Client policy unbind operation on AP failed.	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE3-QOS_CREATE_POLICY_DB_FAIL	3-Error	ERROR: Unable to allocate resources for QoS Policy Content DB	Internal Error. Unable to allocate resources for QoS Policy Content DB	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE3-QOS_DOT11_CLIENT_RECORD_NOT_FOUND	3-Error	ERROR: Failed to get dot11 client record for Client: %02%02%02%02%02%02x	QoS get function for dot11 client record failed.	ewlc-client	LOG_STD_ACTION
QOS_ERROR_MESSAGE3-QOS_INVALID_POLICY	3-Error	ERROR: Policy [chars] is invalid in [chars] direction for vapid:[dec]	QoS policy validation failed. Policy will not be installed	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE3-QOS_MEM_ALLOC_FAIL	3-Error	Error: Failed to allocate memory [chars]	An internal error occurred due to which memory allocation failed	ewlc-qos	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
QOS_ERROR_MESSAGE-3-QOS_MODIFY_POLICY_DB_FAIL	3-Error	ERROR: Unable to modify QoS Policy due to Reason:[chars]	Internal Error. Unable to modify QoS Policy Content in DB	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE-3-QOS_MSG_BLKLIST_CLIENT	3-Error	Blacklisting client %02x%02x%02x%02x%02x%02x Error installing client QOS policy: [chars] in [chars] direction.	Failure occurred while installing QoS client policy. Client will be deleted.	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE-3-QOS_POLICY_EXCEED_MAX	3-Error	[dec] policy maps sent to AP [chars], exceeds the recommended [dec]	Number of policies exceeds limit warning.	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE-3-QOS_POLICY_MISSING	3-Error	ERROR: Policy [chars] in [chars] direction for vapid:[dec] has no content	QoS policy validation failed. Policy will not be installed	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE-3-QOS_SSID_INVALID_POLICY	3-Error	ERROR: Policy [chars] is invalid in [chars] direction for vapid:[dec]. Once the policy is modified, the bssid needs to be reset before the new policy-map definition can take effect	QoS BSSID policy validation failed. Policy will not be installed	ewlc-qos	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
QOS_ERROR_MESSAGE3QOS_SSID_POLICY_BIND_ON_AP_FAIL	3-Error	ERROR: Failed to bind SSID policy on AP: [chars] for wlan: [dec], Slot id: [dec] in [chars] direction with status: [chars]	SSID policy bind operation failed.	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE3QOS_SSID_POLICY_UNBIND_ON_AP_FAIL	3-Error	ERROR: Failed to unbind SSID policy on AP: [chars] for wlan: [dec], Slot id: [dec] in [chars] direction with status: [chars]	SSID policy unbind operation on AP failed.	ewlc-qos	LOG_STD_ACTION
QOS_ERROR_MESSAGE3QOS_HANOVER_BSS_RECORD_SYNC_AP_DIR_ERR	6-Information	Deleting AP %02x%02x%02x%02x%02x%02x because BSSID record sync for slotId [dec] wlan_id [dec] pm_dir [chars] failed	QoS BSSID record sync preswitchover failed. Hence deleting the AP.	ewlc-qos	LOG_STD_ACTION
RADIUS_AUDIT_MESSAGE3ALL_SOURCE_PORT_EXHAUSTED	3-Error	[chars] : Dynamic socket pool limit reached Max : [dec]	All Source ports are exhausted	polaris-aaa	LOG_STD_ACTION
RADIUS_AUDIT_MESSAGE3ALL_SOURCE_PORT_EXHAUSTED_AFTER_CLEANUP	3-Error	[chars] : Dynamic socket pool limit is still at Maximum [dec] after clean up	All Source port are exhausted even after cleanup	polaris-aaa	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Expln	Component	Recommended-Action
RADIUS_AUDIT_MESSAGE-3-BUFFER_OVERFLOW	3-Error	Radius I/O buffer has overflowed for [chars] with length [dec]	An unusually large number of RADIUS attributes has caused AAA to overflow its RADIUS I/O buffer.	polaris-aaa	LOG_STD_ACTION
RADIUS_AUDIT_MESSAGE-3-RADIUS_PARSE_FAIL	3-Error	Radius Parse FAIL due to op decode/bad packet	When Radius Parse response op decode/bad packet	polaris-aaa	LOG_STD_ACTION
RADIUS_AUDIT_MESSAGE-3-RADIUS_TIMER_FAILED_TO_START	3-Error	Failed to start radius timer.	Radius timer failed to start	polaris-aaa	LOG_STD_ACTION
RADIUS_AUDIT_MESSAGE-3-RADIUS_TIMER_FAILED_TO_STOP	3-Error	Failed to stop radius timer.	Radius timer failed to stop	polaris-aaa	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RADIUS_AUDIT_MESSAGE-3-SECRETDEFINEFAILED	3-Error	Key definition ignored.	The user is attempting to store either a corrupted shared secret or memory allocation failed during secret definition. Any existing shared secret will be preserved.	polaris-aaa	LOG_STD_ACTION
RADIUS_AUDIT_MESSAGE3SOCKET_OPERATION_FAILURE	3-Error	Cannot open UDP socket for service [chars]	The router is unable to open a socket for UDP communications by the indicated service. Most of the time another service might be using the same port.	polaris-aaa	LOG_STD_ACTION
RADIUS_AUDIT_MESSAGE-6-ALLDEADSERVER	6-Information	Group [chars]: No active radius servers found. Id [dec].	This error message occurs when all the servers configured in a server group are found to be unresponsive.	polaris-aaa	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RADIUS_AUDIT_MESSAGE-6-BADATTRLIST	6-Information	Unable to process attribute list.	The attribute list is syntactically incorrect.	polaris-aaa	LOG_STD_NO_ACTION
RADIUS_AUDIT_MESSAGE-6-INVALID_PACKET	6-Information	Invalid packet posted to RADIUS.	Radius not able to process a packet as it is invalid	polaris-aaa	LOG_STD_NO_ACTION
RADIUS_AUDIT_MESSAGE-6-RADIUS_ALIVE	6-Information	RADIUS server [chars]:[dec],[dec] is being marked alive.	A RADIUS server that previously was not responding has responded to a new request or the deadtimer has expired.	polaris-aaa	LOG_STD_NO_ACTION
RADIUS_AUDIT_MESSAGE-6-RADIUS_DEAD	6-Information	RADIUS server [chars]:[dec],[dec] is not responding.	The server might not be available to serve request. server has not responded to repeated requests.	polaris-aaa	LOG_STD_NO_ACTION
RADIUS_AUDIT_MESSAGE-3-DTLS_DISPLAY_ATTACK	3-Error	DTLS replay attack for hostname: [chars]	Detected DTLS replay attack	ewlc-qos	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RADCAUDIMSSCHSAUDITCDISCDISSESSABHDAUE	3-Error	User ID: [chars] Failure to establish a DTLS session with RadSec server, reason: [chars]	Failure to establish a DTLS session with RadSec server	ewlc-qos	LOG_STD_ACTION
RADCAUDIMSSCHSAUDITCDISCINFORMATIONDAUE	3-Error	RADSEC server certificate validation failed with server [chars]	RADSEC server certificate validation failed	ewlc-qos	LOG_STD_ACTION
RADCAUDIMSSCHSAUDITCDISCINFORMATIONDAUE	3-Error	RADSEC server identity check failed with server [chars]	RADSEC server identity Check failed	ewlc-qos	LOG_STD_ACTION
RADCAUDIMSSCHSAUDITCDISCDISSESSABHDAUE	3-Error	User ID: [chars] Failure to establish a TLS session with RadSec server, reason: [chars]	Failure to establish a TLS session with RadSec server	ewlc-qos	LOG_STD_ACTION
RADCAUDIMSSCHSAUDITCDISCINFORMATIONCHR	6-Information	Negotiated Cipher is [chars]	Negotiated Cipher during RADSEC HS SUCCESS	ewlc-qos	LOG_STD_ACTION
RADCAUDIMSSCHSAUDITCDISCDISSESSONCLOH	6-Information	RADSEC DTLS connection closed with peer [chars]	RADSEC DTLS connection closed	ewlc-qos	LOG_STD_ACTION
RADCAUDIMSSCHSAUDITCDISCDISSESSABHHD	6-Information	RADSEC DTLS connection established with peer [chars]	DTLS session established message after RADSEC HS SUCCESS	ewlc-qos	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RADSEC_TLS_SESSION_CLOSED	6-Information	RADSEC TLS connection closed with peer [chars]	RADSEC TLS connection closed	ewlc-qos	LOG_STD_ACTION
RADSEC_TLS_SESSION_ESTABLISHED	6-Information	RADSEC TLS connection established with peer [chars]	TLS session established message after RADSEC HS SUCCESS	ewlc-qos	LOG_STD_ACTION
REGISTRY-3-FASTCASE_OUT_OF_BOUNDS	3-Error	Attempt made in [chars] to register with out of bounds key	In the FASTCASE registry the key has to be smaller than the size specified when the registry was created. This message indicates that an attempt was made to register with a key which is out of bounds.	isec-insults	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
REGISTRY-3-SEQ_LIST_OVERWRITE	3-Error		Attempt to overwrite a set sequence function ([chars])	A single function can be set as a callback for a specified sequence number for a sequenced list registry. This message indicates that an attempt to set a new callback has failed because a callback function has already been set for this sequence number.	iscbinutils	LOG_STD_ACTION

Facility-Severity-Mnemonic	Set-Mnemo	Message	Msg-Explan	Component	Recommended-Action
REGISTRY-3-STUB_CHK_OVERWRITE	3-Error	Attempt made to overwrite a set stub function in [chars]	A single function can be set as a callback for when a stub with check registry is invoked. This message indicates that an attempt to set a new callback has failed because a callback function has already been set.	ise-binutils	LOG_STD_ACTION
RFMGR_SYSLOG-4-DCA_CHANNEL_LIST_EMPTY	4-Warning	The DCA Channel list is empty for rf profile [chars]	DCA Channel list is empty It affects Channel Assignment to AP	ewlc-rrm	Please add channels to DCA List
RFMGR_SYSLOG-4-MULTI_BSSID_PROFILE_NOT_FOUND	4-Warning	Invalid Multi bssid profile [chars], applying default-multi-bssid-profile	Invalid multi-bssid-profile is applied, 802.11ax specific payloads are not pushed to AP	ewlc-rrm	Please assign a valid Multi bssid profile

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RFMGR_SYSLOG4NO_REM_NON_AUTO_RF_CHAN_DCA	4-Warning	WARNING: RF Profile [chars] - Deleting channel [dec] from remove channel list, please add the channel to allowed channel list directly for adding it to DCA Used/Allowed channel list.	Deleting channel from remove channel list adds it to DCA Used/Allowed channel list, but the right way of adding a channel to DCA Used/Allowed channel list is to add the channel directly to allowed channel list by not adding it to remove channel list and then deleting.	ewlc-rrm	Please add the channel directly to allowed channel list for making it part of DCA Used/Allowed channel list
RIF_MGR_FSM-6-GW_REACHABLE_ACTIVE	6-Information	Gateway reachable from Active	Gateway reachable from Active	ewlc-ha	No action is required
RIF_MGR_FSM-6-GW_REACHABLE_STANDBY	6-Information	Gateway reachable from Standby	Gateway reachable from Standby	ewlc-ha	No action is required
RIF_MGR_FSM-6-GW_UNREACHABLE_ACTIVE	6-Information	Gateway not reachable from Active	Gateway not reachable from Active	ewlc-ha	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
RIF_MGR_FSM-6-GW_UNREACHABLE_STANDBY	6-Information		Gateway not reachable from Standby	Gateway not reachable from Standby	ewlc-ha	No action is required
RIF_MGR_FSM-6-RMI_ACTIVE_RECOVERY_MODE	6-Information		Going to Active(Recovery) from Active state	Going to Active(Recovery) From Active	ewlc-ha	No action is required
RIF_MGR_FSM-6-RMI_GW_DECISION_DEFERRED	6-Information		High CPU utilisation on active or standby, deferring action on gateway-down event	High CPU utilisation on active or standby, deferring action on gateway-down event	ewlc-ha	No action is required
RIF_MGR_FSM-6-RMI_LINK_DOWN	6-Information		The RMI link is DOWN.	The redundancy mgmt intf link was down.	ewlc-ha	No action is required
RIF_MGR_FSM-6-RMI_LINK_UP	6-Information		The RMI link is UP.	The redundancy mgmt intf link came up	ewlc-ha	No action is required
RIF_MGR_FSM-6-RMI_STBY_REC_TO_STBY	6-Information		Going from Standby(Recovery) to Standby state	Going from Standby(Recovery) to Standby on GW reachable	ewlc-ha	No action is required
RIF_MGR_FSM-6-RMI_STBY_TO_STDBY_REC	6-Information		Going from Standby to Standby(Recovery) state	Going from Standby to Standby(Recovery) on GW unreachable	ewlc-ha	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RIF_MGR_FSM-6-RMI_STBY_TO_STDBY_REC_REASON	6-Information	Going from Standby to Standby(Recovery) state, Reason: [chars]	Going from Standby to Standby(Recovery) on RP Down event	ewlc-ha	No action is required
RIF_MGR_FSM-6-RMI_STDBY_REC_TO_ACTIVE	6-Information	Going from Standby(Recovery) to Active state	Going from Standby(Recovery) to Active on RP DOWN	ewlc-ha	No action is required
RIF_MGR_FSM-6-RP_LINK_DOWN	6-Information	Setting RP link status to DOWN	RP link status set to DOWN	ewlc-ha	No action is required
RIF_MGR_FSM-6-RP_LINK_UP	6-Information	The RP link is UP.	The redundancy port link came up	ewlc-ha	No action is required
RLDP_INITIATE_MESSAGE-6-EWLC_RLDP_INITIATE	6-Information	RLDP initiate [chars]	General ewlc RLDP initiate startup status	isech-insult	LOG_STD_ACTION
RM_ERRS-2-ERR_FREE_MEM_CRITICAL	2-Critical	Insufficient free memory for service to work: [dec]	Insufficient free memory for service to handle new connection.	polaris-htx	Disable not required features.
RM_ERRS-4-ERR_INSUFFICIENT_FREE_MEM	4-Warning	Insufficient free memory [dec]	Free memory is lesser than configured for service.	polaris-htx	Disable not required features.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
RM_ERRS-6-ERR_RECOVERED_FREE_MEM	6-Information	Recovered, sufficient free memory available [dec]	Required free memory is available now for the service.	polaris-htx	No action is required
ROGUE_SYSLOG-6-ADHOC_AUTOCONTAIN	6-Information	Adhoc rogue AP with MAC address [chars] has been automatically contained as per WPS policies.	Adhoc Rogue has been automatically contained	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-ADHOC_AUTOCONTAIN_CLEAR	6-Information	Auto-containment for adhoc rogue AP with MAC address [chars] has been stopped.	Adhoc Rogue auto-containmat has been stopped	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-AP_AUTOCONTAINED	6-Information	Rogue AP with MAC address [chars] has been automatically contained as per WPS policies	Rogue AP has been auto-contained	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-AP_AUTOCONTAINED_CLEARED	6-Information	Automatic containment for rogue AP with MAC address [chars] has been cleared.	Rogue AP auto-containmat has been stopped	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-AP_BEING_CONTAINED	6-Information	Managed AP [chars] with radio MAC [chars] slot [dec] is contained by another AP.	A managed AP is contained by another AP	ewlc-wips	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
ROGUE_SYSLOG-6-AP_BEING_CONTAINED_CLEAR	6-Information	Managed AP [chars] with radio MAC [chars] slot [dec] is no longer contained by another AP.	A managed AP is no longer contained by another AP	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-AP_CONTAINED_BY_RULE	6-Information	Rogue AP with MAC address [chars] has been contained due to rule [chars] with containment level [dec]	Rogue AP has been contained due to a rule match	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-AP_HONEYPOT	6-Information	Potential Honeypot AP detected with Rogue AP MAC [chars] with SSID [chars] by AP with Radio MAC [chars], slot [dec].	Potential Honeypot AP detected	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-AP_HONEYPOT_CLEAR	6-Information	Potential Honeypot AP MAC address [chars] is cleared. This Rogue AP is no longer advertising an SSID that is configured on this controller.	Potential Honeypot AP cleared	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-AP_IMPERSONATION	6-Information	Impersonation of AP with Radio MAC [chars] using source MAC address [chars] has been detected by AP [chars] with Radio MAC [chars], Slot [dec]	AP impersonation attack has been detected	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-MAX_NUM_ROGUE_AP	6-Information	Rogue AP count for the system has reached the maximum limit of [dec] entries.	Rogue AP maximum scale has been reached	ewlc-wips	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
ROGUE_SYSLOG-6-MAX_NUM_ROGUE_AP_CLEAR	6-Information	Rogue AP count for the system is within the limit of [dec] entries.	Number of Rogue APs is below system limit	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-MAX_ROGUE_PER_AP	6-Information	The average number of Rogue APs per detecting AP radio has crossed the threshold of [dec] on AP [chars] with radio MAC [chars].	The average number of Rogue APs per detecting AP radio has crossed the threshold.	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-MAX_ROGUE_PER_AP_CLEAR	6-Information	The average number of Rogue APs per detecting AP radio is below the threshold of [dec] on AP [chars] with radio MAC [chars].	The average number of Rogue APs per detecting AP radio is below the threshold.	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-RLDP_ASSOC_FAIL	6-Information	RLDP failed with error code [dec] while trying to associate to Rogue AP [chars] using AP [chars] with Radio MAC [chars], slot [dec].	RLDP failed while trying to associate to Rogue AP	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-ROGUE_AP_CLEARED	6-Information	Rogue AP [chars] removed from Radio MAC [chars], Slot [dec]	The Rogue AP has been removed	ewlc-wips	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
ROGUE_SYSLOG-6-ROGUE_AP_DETECTED	6-Information	Rogue AP [chars] detected on Radio MAC [chars], Slot [dec], band [chars], Channel [dec], RSSI [dec], SNR [dec], Classification: [chars], State: [chars][chars]	A new Rogue AP has been detected	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-ROGUE_AP_ON_WIRED_NETWORK	6-Information	Rogue AP with MAC address [chars] has been detected on the wired network.	A Rogue AP has been detected on the wired network	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-ROGUE_AP_ON_WIRED_NETWORK_CLEAR	6-Information	Rogue AP with MAC address [chars] is no longer on the wired network.	Rogue AP is not anymore on the wired network	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-ROGUE_CLIENT_DETECTED	6-Information	Rogue client with MAC address [chars] has been detected by [dec] APs, rogue client BSSID [chars], state [chars], last detecting AP [chars], rogue client gateway MAC [chars].	Rogue client detected	ewlc-wips	LOG_STD_NO_ACTION
ROGUE_SYSLOG-6-ROGUE_CLIENT_THRESHOLD_CLEAR	6-Information	Rogue Client [chars] removed from Rogue AP [chars], state [chars], channel [dec], detected by AP [chars], slot [dec], current channel [dec], band [chars]. Rogue client count is now below the threshold for this Rogue AP.	Number of rogue clients per Rogue AP is below the threshold	ewlc-wips	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
ROGUE_SYSLOG6-ROGUE_CLIENT_THRESHOLD_EXCEED	6-Information	Rogue Client count threshold exceeded for Rogue AP [chars] by client address [chars] detected by AP [chars], slot [dec], current channel [dec], band [chars], state [chars], rogue AP channel [dec].	Number of rogue clients per Rogue AP threshold has been exceeded	ewlc-wips	LOG_STD_NO_ACTION
ROMMON-5-CPLD_UPGRADE_STATUS	5-Notice	CPLD upgrade: [chars], install-id: [chars], message: [chars]	This syslog provides the result of the CPLD upgrade	cdpswability	No action is required
ROMMON-5-ROMMON_UPGRADE_STATUS	5-Notice	ROMMON upgrade: [chars], install-id: [chars], message: [chars]	This syslog provides the result of the ROMMON upgrade	cdpswability	No action is required
RRM_CLIENT-0-FAILEDTIMERCREATE	0-Emergency	RRM failed to create [chars] timer	Failed to create timer	ewlc-rrm	LOG_STD_ACTION
RRM_CLIENT-3-CHD_INV_RF_PROF	3-Error	Coverage message received profile from [chars]	CHD message was received for a radio which has a non existent RF Profile Configured.	ewlc-rrm	Can be seen during configuration changes,if seen otherwise LOG_STD_ACTION
RRM_CLIENT-3-EWLC_EXEC_ERR	3-Error	%% Error: AP [chars] MAC: %02X%02X%02X%02X%02X%02X Slot-id [dec] - [chars]	Improper arguments or config	ewlc-rrm	Arguments to be changed

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
RRM_CLIENT-3-FAILEDCOVERAGEPROFILE	3-Error		Coverage profile violation on [chars] AP %d/%d/%d/%d/%d/%d Slot: [dec] Failed client count: [dec] Total client count: [dec]	Coverage profile violation	ewlc-rrm	LOG_STD_ACTION
RRM_CLIENT-3-FAILEDINTPROFILE	3-Error		Interference profile violation on [chars] AP %d/%d/%d/%d/%d/%d Slot: [dec] Interference in percentage: [dec] On channel: [dec]	Interference profile violation	ewlc-rrm	LOG_STD_ACTION
RRM_CLIENT-3-FAILEDLOADPROFILE	3-Error		Load profile violation on [chars] AP %d/%d/%d/%d/%d/%d Slot: [dec] Channel load in percentage: [dec] Number of stations: [dec]	Load profile violation	ewlc-rrm	LOG_STD_ACTION
RRM_CLIENT-3-FAILEDNOISEPROFILE	3-Error		Noise profile violation on [chars] AP %d/%d/%d/%d/%d/%d Slot: [dec] Noise: [dec] dBm On channel: [dec]	Noise profile violation	ewlc-rrm	LOG_STD_ACTION
RRM_CLIENT-3-HA_CONFIG_SYNC	3-Error		RRM HA Config tables not yet synced: [chars]	Some critical RRM configuration was found to be missing, immediately after switchover.	ewlc-rrm	If the message appears persistently, RRM may not function as configured. System reboot will be required to restore RRM function

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
RRM_CLIENT-3-RRM_AP_DB_ERR	3-Error	Unable to find AP %d/%d/%d/%d/%d/%d entry in the database, could not process [chars]	The operation being performed for the AP failed because the internal entry for the AP was not found. It is possible that the AP has been removed from the controller.	ewlc-rrm	Use the 'show ap summary' command to determine if the AP is still joined to the controller. If it is not, the message may be ignored. If it is still joined, restart the AP to ensure that it has the latest configuration and contact technical assistance if the problem recurs.	
RRM_CLIENT-3-RRM_AP_INV_SLOT	3-Error	Invalid slot number [dec] for AP %d/%d/%d/%d/%d/%d could not process [chars]	AP included wrong slot number	ewlc-rrm	LOG_STD_ACTION	
RRM_CLIENT-3-RRM_AP_TBL_ERR	3-Error	Unable to find AP %d/%d/%d/%d/%d/%d slot [dec] [chars] entry in the database, could not process [chars] event	The operation being performed for the AP failed because the measurement or coverage entry for the radio was not found. recreating the records.	ewlc-rrm	Collect the controller logs and contact technical assistance.	

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RRM_CLIENT-3-RRM_CHANNEL	3-Error	RRM Channel Config Notification: Radio Role is AUTO. So, channel change is not allowed for AP [chars] on slot [dec].	Channel configuration is not allowed.	ewlc-rrm	LOG_STD_NO_ACTION
RRM_CLIENT-3-RRM_CONFIG	3-Error	RRM Config Notification: [chars]	Some critical RRM configuration still not populated.	ewlc-rrm	If the message appears persistently, for more than 8 times for each phy type, RRM may not function as configured. System reboot will be required to restore RRM function
RRM_CLIENT-5-PASSED COVERAGEPROFILE	5-Notice	Coverage profile recovery on [chars] AP %12%12%12%12%12%12% Slot: [dec]	Coverage profile recovery	ewlc-rrm	LOG_STD_NO_ACTION
RRM_CLIENT-5-PASSED INTPROFILE	5-Notice	Interference profile recovery on [chars] AP %12%12%12%12%12%12% Slot: [dec]	Interference profile recovery	ewlc-rrm	LOG_STD_NO_ACTION
RRM_CLIENT-5-PASSED NOISEPROFILE	5-Notice	Noise profile recovery on [chars] AP %12%12%12%12%12%12% Slot: [dec]	Noise profile recovery	ewlc-rrm	LOG_STD_NO_ACTION
RRM_CLIENT-5-RRM_CAC_IN_PROG	5-Notice	AP [chars] slot [dec] [chars] is deferred, till pre-CAC is complete	Setting channel and channel width channel mode are deferred until pre-CAC is done.	ewlc-rrm	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
RRM_CLIENT-5-RRM_NON_PSC_CHANNEL	5-Notice	RRM Channel Config Notification: Non-PSC channel [dec] is configured for 6 GHz radio on slot [dec], Clients might fail to connect.	When non PSC channel is used for 6GHz radio, it is possible that 6GHz clients may not be able to join the AP.	ewlc-rrm	LOG_STD_NO_ACTION
RRM_CLIENT-6-MODE_SWITCH_LPI_TO_SP	6-Information	6GHZ Power mode switch from LPI to SP AP %d/%d/%d/%d/%d/%d Slot: [dec] Channel: [dec] Channel Width: [dec]	6GHZ Power mode switch from LPI to SP	ewlc-rrm	LOG_STD_NO_ACTION
RRM_CLIENT-6-MODE_SWITCH_SP_TO_LPI	6-Information	6GHZ Power mode switch from SP to LPI AP %d/%d/%d/%d/%d/%d Slot: [dec] Channel: [dec] Channel Width: [dec]	6GHZ Power mode switch from SP to LPI	ewlc-rrm	LOG_STD_NO_ACTION
RRM_CLIENT-6-PASSEDLOADPROFILE	6-Information	Load profile recovery on [chars] AP %d/%d/%d/%d/%d/%d Slot: [dec]	Load profile recovery	ewlc-rrm	LOG_STD_NO_ACTION
RRM_COMMON_TRACE_MESSAGE-RRM_COMMON_NAID_SLOT	3-Error	Error encountered: [chars]	Invalid slot identifier is found while processing RRM packet	ewlc-rrm	Please report the error to technical support representative

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RRM_MGR_DB-5-DUPLICATE_IP_WLC	5-Notice	WLC: [chars] having duplicate IP: [dec].[dec].[dec].[dec] detected while processing RRM pkt. IP address of the conflicting WLC: [chars] should be changed immediately to avoid impact on RRM functionality	Another WLC in the rf-network is having duplicate IP, it will impact RRM functionality for the conflicting controllers	ewlc-rrm	IP address of the conflicting controller should be changed immediately
RRM_MGR_TRACE_MESSAGE-0-FAILED_TIMER_CREATE	0-Emergency	RRM failed to create [chars] timer	Failed to create timer	ewlc-rrm	LOG_STD_ACTION
RRM_MGR_TRACE_MESSAGE-3-EWLC_EXEC_ERR	3-Error	%% Error: [chars]	Improper arguments or config	ewlc-rrm	Arguments to be changed
RRM_MGR_TRACE_MESSAGE-3-EWLC_GEN_ERR	3-Error	Error in [chars]	General ewlc Error Message.	ioscbinsult	LOG_STD_ACTION
RRM_MGR_TRACE_MESSAGE-3-HA_CONFIG_SYNC	3-Error	RRM HA Config tables not yet synced: [chars]	Some critical RRM configuration was found to be missing, immediately after switchover.	ewlc-rrm	If the message appears persistently, RRM may not function as configured. System reboot will be required to restore RRM function
RRM_MGR_TRACE_MESSAGE-3-REG_IP_CHG_NOTIFY_FAIL	3-Error	Unable to register with platform to get Management IP Address Change Notification - error [dec].	Unable to register with platform to get Management Interface IP Address Change Notification.	ewlc-rrm	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
RRM_MGR_TRACE_MESSAGE-3-REG_RX_PKT_FAIL	3-Error	Unable to register with platform to receive packets - error [dec]	Unable to register with platform to receive packets	ewlc-rrm	LOG_STD_ACTION
RRM_MGR_TRACE_MESSAGE-3-RRM_IPC_EP_ERR	3-Error	IPC Failure: [chars]	Failed to find IPC endpoint for AP	ewlc-rrm	If the message appears persistently, RRM will not function as expected. AP should be disconnected to restore RRM function
RRM_MGR_TRACE_MESSAGE-5-RRM_DUPLICATE_IP_WLC	5-Notice	WLC: [chars] having duplicate IP: [chars] detected while processing RRM Hello pkt. IP address of the conflicting WLC: [chars] should be changed immediately to avoid impact on RRM functionality	Another WLC in the rf-network is having duplicate IP, it will impact RRM functionality for the conflicting controllers	ewlc-rrm	IP address of the conflicting controller should be changed immediately
RRM_UTIL-4-INVALIDCHANNELCONFIG	4-Warning	Warning: Update of the channel list caused invalid pair in DCA list for [chars] band	Invalid channel configuration	ewlc-rrm	LOG_STD_NO_ACTION
RRM_UTIL-6-SETCHANNEL	6-Information	Set channel on cell %d/%d/%d/%d/%d/%d [dec] to [chars] chanwidth [dec] to reduce co-channel interference from [dec] to [dec] Reason [chars]	Set channel to reduce co-channel interference	ewlc-rrm	LOG_STD_NO_ACTION
RRM_UTIL-6-SETCHANNELWIDTH	6-Information	Set channel width on 802.11a for AP %d/%d/%d/%d/%d/%d failed 160MHz channel width supported only for 4x4 antenna mode	Channel width configuration change	ewlc-rrm	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
RRM_UTIL-6-SETCHANNEL_DUALBAND	6-Information	Set channel [chars] for AP %02%02%02%02%02%02x on dual band radio slot: [dec] due to [chars]	Set channel because of Dualband Radio Role/band change	ewlc-rrm	LOG_STD_NO_ACTION
RRM_UTIL-6-SETCHANNEL_ED	6-Information	Set channel on cell %02%02%02%02%02%02x [dec] to [chars] due to Air Quality violation reason [chars]	Set channel because of Air Quality Violation	ewlc-rrm	Investigate the cause of bad air quality on the channel and eliminate if possible
RRM_UTIL-6-SETCHANNEL_NONOPTIMAL	6-Information	Set non-optimal channel on cell %02%02%02%02%02%02x [dec] to [chars] because of lack of information	Set channel on user input (non-optimal)	ewlc-rrm	LOG_STD_NO_ACTION
RRM_UTIL-6-SETTXPOWER	6-Information	Tx power changed from [dec] to [dec] for AP %02%02%02%02%02%02x slot [dec] band [chars] due to [chars]	Set transmit power	ewlc-rrm	LOG_STD_NO_ACTION
RRM_UTIL-6-UPDATECHANNEL	6-Information	Set channel on [chars] AP %02%02%02%02%02%02x [dec] to [chars] by configuration change due to [chars]	Channel configuration change	ewlc-rrm	LOG_STD_NO_ACTION
RRM_UTIL-6-UPDATETXPOWER	6-Information	Tx power changed from [dec] to [dec] for AP %02%02%02%02%02%02x slot [dec] band [chars] due to [chars]	Transmit power configuration change	ewlc-rrm	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
RULE_ENGINE-3-EWLC_GEN_ERR	3-Error	Error in [chars]	General Wireless LAN Controller Error Message.	iosetools	LOG_STD_ACTION
RULE_ENGINE-3-EWLC_RULE_ENGINE_REGEX_CREATE_ERR	3-Error	Error in [chars]	Rule regular expression error	iosetools	Recreate regular expression correctly
RULE_ENGINE-4-EWLC_RULE_ENGINE_PRIORITY_UPDATE_WARN	4-Warning	Warning: [chars]	rule_engine priorities are overridden, old rule_engine will be invalid	iosetools	LOG_STD_ACTION
SCOOBY-0-SERIAL_BRIDGE_CRITICAL_ERROR	0-Emergency	Reloading [chars] due critical event %#x in block [chars]/[dec] of serial bridge [dec]	A critical serial bridge I/O event has occurred.	arkinfantl	The system automatically reloads the hardware component experiencing the error. If the problem persists, copy the message exactly as it appears on the console or in the system log, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.

Facility-Severity-Mnemonic	Sub-Mnemonics	Message	Msg Explain	Component	Recommended-Action
SCOOBY-0-SERIAL_BRIDGE_CRITICAL_ERROR_RATE	0-Emergency	Reloading [chars] due to critically high serial bridge error rate.	A Serial Bridge has experienced a persistently high error rate. The condition is serious and the card must be reloaded. This could be due to a hardware or software driver defect.	ark-init	Copy the message exactly as it appears on the console or in the system log, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.
SCOOBY-0-SERIAL_BRIDGE_DRIVER_ERROR	0-Emergency	Kernel Module failed in [chars]	A Serial Bridge has experienced a Init failure. The condition is serious and the card must be reloaded. This could be due to a hardware or software driver defect.	ark-init	Copy the message exactly as it appears on the console or in the system log, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
SCOOBY-2-FPGA_VERSION_CHECK_ERR	2-Critical		LEDA FPGA version does not meet minimum required version. [chars]	LEDA FPGA minimum version requirement not met.	asr1k-ether-lc	Copy the message exactly as it appears on the console or in the system log, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.
SCOOBY-5-SERIAL_BRIDGE_BLOCK_EVENT	5-Notice		Block [chars]/[dec] of serial bridge [dec] had I/O event %#x	A serial bridge I/O event has occurred. This event is not serious but is logged for diagnostic purposes.	asr1k-fan1m	No user action is required.
SCOOBY-5-SERIAL_BRIDGE_EVENT_RATE	5-Notice		The [chars] event rate of [dec] has exceeded the threshold of [dec] on serial bridge [dec] interconnect [dec]	A Serial Bridge has experienced a high event rate. This condition is not considered serious, but is logged for diagnostic purposes. This could be due to a hardware or software driver defect.	asr1k-fan1m	No user action is required. If this message persists, a serial bridge critical message that needs to be addressed will appear.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
SDWAN_BOOTSTRAP-2-ROLLBACK_PREVIOUS	2-Critical	Rolling back to previous image	This critical syslog is generated when the device rolls back to previous image because of config which is incompatible in new version	sdwan_bootstrap	This syslog is typically accompanied by another log which will describe the problem. Please fix unsupported config before retrying upgrade
SDWAN_BOOTSTRAP-3-BOOTSTRAP_CFG_LOAD_FAILURE	3-Error	Loading [chars] bootstrap failed, reason: [chars]	This error syslog is generated when loading of initial config from bootstrap file fails. Device will come up with day-0 config	sdwan_bootstrap	Inspect the bootstrap file for any XML error or uuid mismatch

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
SDWAN_BOOTSTRAP-3-CONFD_EXITED	3-Error	ConfD (PID: [dec]) exited with code: [dec], system will reboot now	This error syslog is generated when ConfD process exits/ dies. ConfD is a critical daemon in SD-WAN and if it fails to come up, SD-WAN system cannot function. System goes for a reboot when ConfD exits	sdwan	Please consult with Cisco TAC about this failure. Although we have mechanisms in place to recover from ConfD failure, Cisco would like to gather information about this failure from customers
SDWAN_BOOTSTRAP-3-CONFIG_RESTORE_FAILURE	3-Error	Failed to restore last saved config snapshot, device will come up with day-0 config	This error syslog is generated when the last saved config snapshot cannot be restored	sdwan	Please open a ticket with Cisco TAC when this error syslog is observed for analyzing the issue

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
SDWAN_BOOTSTRAP-4-CDB_CORRUPTED	4-Warning	CDB corruption detected, will try to recover config from last saved snapshot	This warning syslog is generated when IOS-XE software detects corruption of config database (CDB). CDB is persisted on hard disk and can get corrupted	sdwan	IOS-XE software will try to restore config from config snapshot. If the last snapshot is not recovered, please create a ticket with Cisco TAC
SDWAN_BOOTSTRAP-4-NO_CONFIG_BACKUP	4-Warning	No config backup found, device will come up with day-0 config	This warning syslog is generated when config backup is not found during config recovery (typically triggered due to CDB corruption or some file missing)	sdwan	Please open a ticket with Cisco TAC when this syslog is observed. IOS-XE software takes a snapshot of config every time control connectivity with SD-WAN Manager is established and config backup is expected to be present

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
SDWAN_BOOTSTRAP5BOOTSTRAP_CFG_LOAD_SUCCESS	5-Notice		Successfully extracted and committed config from [chars]	This notice syslog is generated when initial config is successfully extraced and loaded from bootstrap file	sdwan	No action is needed
SDWAN_BOOTSTRAP5CONFIG_RESTORE_IN_PROGRESS	5-Notice		Config restoration in progress. Will try to load last backed up config file as bootstrap	This notice syslog is generated when IOS-XE software detects that config has to be restored from previous snapshot. This typically happens if CDB gets corrupted or config related file goes missing	sdwan	No action is needed

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
SDWAN_BOOTSTRAP-5-CONFIG_RESTORE_SUCCESS	5-Notice		Last saved config restored successfully	This notice syslog is generated when last saved config is restored successfully. Please note that this might not be the latest config	sdwan_bootstrap	No action is needed
SDWAN_BOOTSTRAP-5-CONFIG_UPGRADE	5-Notice		Device upgraded with new software, config will be upgraded/migrated	This log is generated when config is migrated as a result of software upgrade	sdwan_bootstrap	No action is required
SDWAN_BOOTSTRAP-5-DAY0_BRINGUP	5-Notice		Device coming up with day-0 config	This log is generated when device comes up with day-0 config	sdwan_bootstrap	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
SDWAN_BOOTSTRAP-5-OBSOLETE_CONFIG_REMOVED	5-Notice	Obsoleted xpath [chars] removed	This notice syslog is generated during upgrade when IOS-XE device detects obsolete config and removes it from config database	sdwan	No action is needed
SDWAN_BOOTSTRAP-5-PROGRESS	5-Notice	Status: [chars]	This notice syslog is generated to indicate current status of bootstrap process	sdwan	No action is required
SDWAN_BOOTSTRAP-5-SYSTEM_READY	5-Notice	All daemons up	This notice syslog is generated to indicate bootstrap procedure is completed	sdwan	No action is required
SDWAN_IPSEC-5-PWK_SETTING	5-Notice	New pairwise key setting will take effect only after reboot!	This syslog is generated when security pairwise keying configuration is changed	sdwan-ipsec	New pairwise key setting will take effect only after reboot

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SD_ROUTING_BOOTSTRAP3-BOOTSTRAP_CFG_LOAD_FAILURE	3-Error	Loading [chars] bootstrap failed, reason: [chars]	This error syslog is generated when loading of initial config from bootstrap file fails. Device will come up with day-0 config	ctrl-mng-rtg	Inspect the bootstrap file for any XML error or uuid mismatch
SD_ROUTING_BOOTSTRAP3-CONFID_EXITED	3-Error	ConfD (PID: [dec]) exited with code: [dec]	This error syslog is generated when ConfD process exits/ dies. ConfD is a restartable daemon. SD-Routing server will restart when ConfD exits	ctrl-mng-rtg	Please consult with Cisco TAC about this failure. Although we have mechanisms in place to recover from ConfD failure, Cisco would like to gather information about this failure from customers
SD_ROUTING_BOOTSTRAP3-BOOTSTRAP_CFG_LOAD_SUCCESS	5-Notice	Successfully extracted and committed config from [chars]	This notice syslog is generated when initial config is successfully extracted and loaded from bootstrap file	ctrl-mng-rtg	No action is needed

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
SD_ROUTING_BOOTSTRAP-5-PROGRESS	5-Notice	Status: [chars]	This notice syslog is generated to indicate current status of bootstrap process	ctrl-mngt	No action is required
SD_ROUTING_BOOTSTRAP-5-SYSTEM_READY	5-Notice	All daemons up	This notice syslog is generated to indicate bootstrap procedure is completed	ctrl-mngt	No action is required
SERDES-3-SERDES_CRITICAL_ERROR	3-Error	Critical error [chars] in FRU [chars] when [chars]	A critical error was occurred. The condition is serious and the card must be reloaded. This could be due to bad or unknown hardware (chassis or modules). Chassis Manager could also initialize the Serdes library with incorrect input parameters.	ark-infrml	Copy the message exactly as it appears on the console or in the system log. Collect the output of show platform, show version, show log, sh diag chassis eeprom detail, show diagnostic slot <slot#>; eeprom detail, and any other relevant logs. Contact your Cisco technical support representative.

Facility-Severity-Mnemonic	Sub-Mnemo	Message	Msg Explain	Component	Recommended-Action
SERDES-5-SERDES_NOTICE	5-Notice	from FRU [chars], [chars].	CMAN sends a significant Serdes event to IOSD to log it	ark-infini	No action is required for this notice.
SERVICES-0-INVALID_OWNERSHIP	0-Emergency	Error using service handle %p - invalid ownership (%p, %p)	A multi-thread application is trying to incorrectly use the services library. Applications must follow thread confinement strategy with the services library. Each thread of the application must initialize private managed context of the service library.	isebinus	Copy the error message, tracebacks and version information and contact a Cisco representative.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
SERVICES-2-NOINIT	2-Critical	Error initializing services: [chars]	An application failed to initialize the core services library. The application will not be able to communicate with other modules on the system.	iosetbinutils	LOG_STD_RECUR_ACTION
SERVICES-2-NORESOLVE_ACTIVE	2-Critical	Error resolving active FRU: [chars]	An application was not able to determine the active FRU. The application was likely started incorrectly.	iosetbinutils	LOG_STD_RECUR_ACTION
SERVICES-2-NORESOLVE_LOCAL	2-Critical	Error resolving local FRU: [chars]	An application was not able to determine its local FRU. The application was likely started incorrectly.	iosetbinutils	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
SERVICES-2-NORESOLVE_STANDBY	2-Critical	Error resolving standby FRU: [chars]	An application was not able to determine the standby FRU. The application was likely started incorrectly.	isscbinutils	LOG_SID_RECUR_ACTION
SERVICES-3-INVALID_CHASFS	3-Error	Thread %p has no global chasfs context	A multi-thread application is trying to incorrectly use the services library. Applications must follow thread confinement strategy with the services library. Each thread of the application must initialize private managed context of the service library.	isscbinutils	Copy the error message, tracebacks and version information and contact a Cisco representative.
SESSION_MGR-0-CONFIG_CORRUPT	0-Emergency	Checksummed interface configuration corruption detected.	Interface configuration field was modified unexpectedly.	polaris-smd	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended Action
SESSION_MGR-4-ILLEGAL_TRACE_REQ	4-Warning	Component ID [dec] not registered.	Component ID %d not registered.	polaris-smd	No action is required.
SESSION_MGR-4-TERMINATE	4-Warning	Authentication session terminated for client ([chars]) on Interface [chars] AuditSessionID [chars] Reason [chars]	Session is being terminated.	polaris-smd	No action is required.
SESSION_MGR-4-UNAUTH_MOVE	4-Warning	[chars] MAC address ([chars]) from [chars] to [chars]	Move while not authenticated on old IDB	polaris-smd	No action is required.
SESSION_MGR-5-FAIL	5-Notice	Authorization failed or unapplied for client ([chars]) on Interface [chars] AuditSessionID [chars]. [chars] [chars]	Authorization was unsuccessful.	polaris-smd	Authorization was unsuccessful for the client. Collect the smd logs and system console logs
SESSION_MGR-5-MACMOVE	5-Notice	MAC address ([chars]) moved from Interface [chars] to Interface [chars] AuditSessionID [chars]	Client has moved to a new interface without logging off on the previous one.	polaris-smd	No action is required.
SESSION_MGR-5-MACREPLACE	5-Notice	MAC address ([chars]) on Interface [chars] is replaced by MAC ([chars]) AuditSessionID [chars]	A new client has triggered a violation causing an existing client to be replaced	polaris-smd	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SESSION_MGR-5-SECURITY_VIOLATION	5-Notice	Security violation on the interface [chars], new MAC address ([chars]) is seen. AuditSessionID [chars]	A host on the specified interface is attempting to gain access into the network or is trying to authenticate in a host mode that does not support the number of hosts attached. This is treated as a security violation and the port has been error-disabled	polaris-smd	Ensure that the port is configured to support the host count attached. Enter the <cmd> command followed by <cmd> no shutdown <cmd> command to restart the port.
SESSION_MGR-5-START	5-Notice	Starting '[chars]' for client ([chars]) on Interface [chars] AuditSessionID [chars]	Starting an authentication method	polaris-smd	Message notification informing about the session manager client is being started to authenticate the endpoint attached to the interface
SESSION_MGR-5-SUCCESS	5-Notice	Authorization succeeded for client ([chars]) on Interface [chars] AuditSessionID [chars]	Authorization was successful.	polaris-smd	Client connected to the switch has been successfully authorized by the session manager framework
SESSION_MGR-5-VLANASSIGN	5-Notice	VLAN [dec] assigned to Interface [chars] AuditSessionID [chars]	VLAN assignment to an interface for the session	polaris-smd	No action is required.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
SESSION_MGR-7-NOMOREMETHODS	7-Debug	Exhausted all authentication methods for client ([chars]) on Interface [chars] AuditSessionID [chars]	All available authentication methods have been tried	polaris-smd	No action is required.
SESSION_MGR-7-STOPPING	7-Debug	Stopping [chars] for client [chars] on Interface [chars] AuditSessionID [chars]	Stopping the current authentication method	polaris-smd	No action is required.
SHFWD-6-PACKET_TRACE_DONE	6-Information	Packet Trace Complete: [chars]	Packet trace cmd initiated by admin is complete	platform	No action is required
SHFWD-6-PACKET_TRACE_FAIL	6-Information	Show fwd is failed at [chars]	Packet trace cmd initiated by admin is fail	platform	Collect the trace from all the switch using the cli (show platform software trace fed switch <>)
SHFWD-6-PACKET_TRACE_FLOW_ID	6-Information	Packet Trace Flow id is [dec]	Packet trace instance can be tracked by flowid	platform	No action is required
SIF_MGR-1-FAULTY_CABLE	1-Alert	High hardware interrupt seen on switch [dec]\n	The specified stack cable is experiencing high hardware interrupts	ios-fwdmgr	Replace the stack cable connected to the stack port.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SIF_MGR-1-FAULTY_STACK_CABLE	1-Alert	High hardware interrupt seen on switch [dec] on stack port [dec]\n	The specified stack cable is experiencing high hardware interrupts	ios-xe-fwdmgr	Replace the stack cable connected to the stack port.
SIF_MGR-6-STACK_ADAPTER_INSERTED	6-Information	stack_mgr: Stack adapter [dec] on switch [dec] is inserted	The specific adapter has been inserted from the mentioned switch.	ios-xe-fwdmgr	No action is required
SIF_MGR-6-STACK_ADAPTER_REMOVED	6-Information	stack_mgr: Stack adapter [dec] on switch [dec] is removed	The specific adapter has been removed from the mentioned switch.	ios-xe-fwdmgr	No action is required
SIG-2-SIG_TUNNEL_EVENT_FAILURE	2-Critical	Cisco Umbrella SIG tunnel: [chars] event failure, [chars]	This syslog is generated when a IPSEC tunnel to Cisco Umbrella Secure Internet Gateway runs into failure(s) during state transition	cedge-sig	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
SIG-2-TUNNEL_TRACKER_STATUS_DOWN	2-Critical	Tracker associated with SIG tunnel [chars] is [chars]	This syslog is generated when tracker(s) associated with SIG tunnel goes DOWN	cedge-sig	No action is required
SIG-2-ZIA_LOCATION_EVENT_FAILURE	2-Critical	Zscaler location: [chars] event failure, [chars] (additional info: [chars])	This syslog is generated when various REST API(s) to setup ZIA encounter errors	cedge-sig	No action is required
SIG-2-ZIA_TUNNEL_EVENT_FAILURE	2-Critical	Zscaler SIG tunnel: [chars] event failure, [chars] (additional info: [chars])	This syslog is generated when a IPSEC/GRE tunnel to Zscaler Secure Internet Gateway runs into failure(s) during state transition	cedge-sig	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
SIG-5-SIG_TUNNEL_EVENT_SUCCESS	5-Notice		Cisco Umbrella SIG tunnel: [chars] event success, [chars]	This syslog is generated when a IPSEC tunnel to Cisco Umbrella Secure Internet Gateway transitions to different states successfully	cedge-sig	No action is required
SIG-5-TUNNEL_TRACKER_STATUS_UP	5-Notice		Tracker associated with SIG tunnel [chars] is [chars]	This syslog is generated when tracker(s) associated with SIG tunnel comes UP	cedge-sig	No action is required
SIG-5-ZIA_LOCATION_EVENT_SUCCESS	5-Notice		Zscaler location: [chars] event success, [chars]	This syslog is generated when various REST API(s) to setup ZIA location succeed	cedge-sig	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
SIG-5-ZIA_TUNNEL_EVENT_SUCCESS	5-Notice		Zscaler SIG tunnel: [chars] event success, [chars]	This syslog is generated when a IPSEC/GRE tunnel to Zscaler Secure Internet Gateway transitions through different states successfully	cedge-sig	No action is required
SIMULATION_ERRMSG-3-rw_err	3-Error		Cosim simualation failed to [chars] %zu bytes. ret: [chars]	An error occurred during cosim rw operation.	INVALID	Check if Cima memory io socket is over subscribed.
SISF_LOG-3-SISF_TRACEBACK	3-Error		Error in [chars]	General SISF Error Message.	ewlc-sisf	LOG_STD_ACTION
SM-2-INITIALIZATION_FAILED	2-Critical		Session Manager initialization for [chars] failed.	Initialization of session manager process failed.	polaris-infra	Review SM logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
SMAN-2-NO_MEMORY	2-Critical	Cannot allocate memory for an internal data structure	An out-of-memory condition occurred when attempting to create an internal data structure. The daemon encountering the problem will exit, after which the process manager will restart.	iosdshlgr	Check the log files for the associated daemon. Monitor processes for excessive memory consumption.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
SMAN-2-TDL_MESSAGE	2-Critical	Cannot construct an IPC message for library. The message name is [chars] and the reason is: [chars]	A problem occurred while constructing a type definition language (TDL) message or setting a field in a TDL message. If the problem occurred during construction of a TDL message, the system is out of memory. If the problem occurred while setting a field in the TDL message, there is a library mismatch issue.	ioschmgr	Check [uipeer] ERR entries in the log files for message reporting problems.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SMAN-3-CRDU_PATCH_REPLY_TIMEOUT	3-Error	Failed to receive patch response from peer process [chars]	During patch operation the Shell Manager broadcasts a request to all affected processes (peers). If a peer does not respond in time then the patch process cannot be completed correctly	polaris-crdu	Check that the process(es) that failed to respond are still active and check their trace files for any potential errors that could prevent them from responding to a patch request in a timely manner
SMAN-3-CRFT_CLEARCOUNTERS_REQUEST_FAIL	3-Error	CRFT clear counters request finished with one or more failures. Check tracelogs for further details.	After a request to clear CRFT counters if any program reports an error or fails to respond within the timeout period this message will be emitted.	polaris-crft	Inspect btrace logs for information about which programs failed and why

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SMAN-3-CRFT_COLLECT_REQUEST_FAIL	3-Error	CRFT collection request finished with one or more failures. Check tracelogs for further details.	After a request to collect CRFT data if any program reports an error or fails to respond within the timeout period this message will be emitted.	polaris-crft	Inspect btrace logs for information about which programs failed and why
SMAN-3-CRFT_EXPORT_REQUEST_FAIL	3-Error	CRFT export request finished with one or more failures. Check tracelogs for further details.	After a request to export CRFT data if an error or failure during the export stage occurs this message will be emitted.	polaris-crft	Inspect btrace logs for information about which operation failed and why

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SMAN-3-CRFT_RELOAD_REQUEST_FAIL	3-Error	CRFT reload request capture finished with one or more failures. Check tracelogs for further details.	After a request to capture CRFT data on reload if an error or failure during the reload stage occurs this message will be emitted.	polaris-crft	Inspect btrace logs for information about which operation failed and why
SMAN-3-CRFT_UNSUPPORTED_REMOTE_PATH_FAIL	3-Error	CRFT remote requested using an unsupported remote path. Check tracelogs for further details.	After a request to remotely capture CRFT data an error or failure during the remote stage occurs this message will be emitted.	polaris-crft	Inspect btrace logs for information about which operation failed and why

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SMAN-3-CRFT_UNSUPPORTED_REMOTE_SCHEME_FAIL	3-Error	CRFT remote requested using an unsupported scheme. Check tracelogs for further details.	After a request to remotely capture CRFT data an error or failure during the remote archive stage occurs this message will be emitted.	polaris-crft	Inspect btrace logs for information about which operation failed and why
SMAN-3-CRFT_UNSUPPORTED_REMOTE_TAG_FAIL	3-Error	CRFT remote requested using an unsupported tag format. Check tracelogs for further details.	After a request to remotely capture CRFT data an error or failure during the remote archive stage occurs this message will be emitted.	polaris-crft	Inspect btrace logs for information about which operation failed and why

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
SMAN-3-HOSTINFO_MONITOR_FAILURE	3-Error	Error initializing host info monitoring: [chars]	During initialization, the Shell Manager monitors changes to host-related information, such as the hostname. This error occurs if initialization fails.	ioseshlmg	Check the Shell Manager trace file for related details.
SMAN-3-HOSTINFO_READ_FAILURE	3-Error	Error reading host info ([chars]): [chars]	During process startup and when changes occur, the Shell Manager reads host-related information, such as the hostname. This error occurs if there is a failure reading information.	ioseshlmg	Check the Shell Manager trace file for related details.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg	Component	Recommended-Action
SMAN-3-INVALID_EPOCH_FILE	3-Error		An upgrade or installation has produced an invalid messaging configuration file [chars], [chars]	During an upgrade or installation of a new package, an invalid messaging configuration file was produced. The file is either empty or has invalid permissions and cannot be read.	ioseshmgr	Repeat the installation or upgrade. If the problem persists, revert to a previous known good package.
SMAN-3-NO_CDL_FILE	3-Error		Could not access command definition file [chars]: [chars]	During initialization, the Shell Manager loads a XML CDL file to load all the CLI structure. This file is for some reason not found.	ioseshmgr	Check the Shell Manager trace file for related details.

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explain	Component	Recommended-Action
SMAN-3-PTL_RENDERER_FAILURE	3-Error	Rendering error with [chars].[chars]. Transform is missing or invalid for data.		ios-shell	This error indicates a configuration issue resulting from bad or mismatched packages. Review the Shell Manager trace files and log files. Uninstall, then reinstall, any new packages.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
			<p>The Shell Manager process attempted to render a command response but the transformation failed due to an internal error. The failure may have been caused by a missing transform file or an included file cannot be found. The transformation may also fail if the data returned in the response is binary and has not been processed correctly. In this case, the rendering engine is unable to interpret the data resulting in a failure. The</p>		

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
			transformation may also fail if there is a mismatch of packages installed on the system. In this case, incompatible messages are exchanged between the Shell Manager and the daemon servicing the command request and incorrect data is passed to the rendering engine.		
SMAN5CRFT_CLEARCOUNTERS_REQUEST_SUCCESS	5-Notice	CRFT clear counters completed successfully.	This message serves to inform the user of exactly when the clearcounters operation completes and they are no longer waiting for additional processes	polaris-crft	No action required. This message is expected

Facility-Severity-Mnemonic	Msg Id	Message	Msg Detail	Component	Recommended-Action
SMAN-5-CRFT_COLLECT_REQUEST_INPROGRESS	5-Notice	CRFT collection already in progress. Please try again later	CRFT collection is something that should happen infrequently so if there is already a collection request in progress we reject the incoming request and emit a message to the user informing them that their request is rejected.	polaris-crft	Try the request again later if necessary

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
SMAN-5-CRFT_COLLECT_REQUEST_NOT_SUPPORTED	5-Notice	CRFT collection request not supported on peer [chars]	Some processes may not support CRFT collection for any of a number of reasons. This message serves to alert the user so that they do not go searching for CRFT stats for the process in question and determine an error has occurred when they cannot find them	polaris-crft	None. Information only.
SMAN-5-CRFT_COLLECT_REQUEST_SUCCESS	5-Notice	CRFT collection completed successfully.	This message serves to inform the user of exactly when the collection completes and they are no longer waiting for additional processes	polaris-crft	No action required. This message is expected

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
SMAN-5-CRFT_EXPORT_REQUEST_SUCCESS	5-Notice	CRFT export completed successfully.	This message serves to inform the user of exactly when the export operation completes and they are no longer waiting for additional updates.	polaris-crft	No action required. This message is expected
SMAN-5-CRFT_RELOAD_REQUEST_SUCCESS	5-Notice	CRFT reload collection completed successfully.	This message serves to inform the user of exactly when the export operation completes and they are no longer waiting for additional updates.	polaris-crft	No action required. This message is expected
SPECTRUM-3-EWLC_EXEC_ERR	3-Error	%% Error: AP %02X%02X%02X%02X%02X [chars]	Improper configuration for dual band AP	ewlc-rrm	please check the requested configuration against ap type

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SS-2-INITIALIZATION_FAILED	2-Critical	Initialization of [chars] failed for IOx Secure Storage	Initialization of IOx Secure storage process failed.	polaris-infra	Review ioxss logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log.
SSLMGR-0-ASYMMETRIC_KEY_FAIL	0-Emergency	Asymmetric key failure: [chars].	Asymmetric key failure.	iosxe-ssl	No action required - forwarding processor (ESP) rebooted automatically.
SSLMGR-0-N2_VSERVER_FAIL	0-Emergency	Virtual server context failure: [chars].	Cryptographic coprocessor critical operation failed. Further data processing on ESP is halted	iosxe-ssl	forwarding processor (ESP) is rebooted automatically. no action needed
SSLMGR-0-SYMMETRIC_KEY_FAIL	0-Emergency	Symmetric key failure: [chars].	Symmetric key failure.	iosxe-ssl	No action required - forwarding processor (ESP) rebooted automatically.
SSLMGR-3-N2_CONTEXT_FAIL	3-Error	Context failure: [chars].	Coprocessor context operation failed due to resource limit	iosxe-ssl	Monitoring required
SSLMGR-5-GATEWAY_UPDOWN	5-Notice	sslvpn gateway : [chars] changed state to [chars]	sslvpn gateway changed state	iosxe-ssl	ACTION_NONE_REQUIRED

Facility-Severity-Mnemonic	Severity	Message	Message Plain	Component	Recommended-Action
SSLVPNMGR-5-HTTP_REQUEST_NOT_AUTHORIZED	5-Notice	HTTP request without login cookie. [chars]\n	This message indicates that HTTP request doesn't have valid login cookie and is not authorized to access the resource	iosxe-ssl	ACTION_NONE_REQUIRED
SSLVPNMGR-5-LOGIN_AUTH_FAILED	5-Notice	Failed to contact authentication server. [chars]\n	Authentication server is unavailable because it is down or unreachable	iosxe-ssl	Verify if routes are configured correctly to reach authentication and the server is configured correctly
SSLVPNMGR-5-LOGIN_AUTH_PASSED	5-Notice	Authentication successful, user logged in. [chars]\n	This message indicates that login authentication succeeded for user	iosxe-ssl	ACTION_NONE_REQUIRED
SSLVPNMGR-5-LOGIN_AUTH_REJECTED	5-Notice	Failed to authenticate user credentials. [chars]\n	Authentication server failed to validate credentials provided by the user to login under webvpn context	iosxe-ssl	Check username and password configured on authentication server

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SSLVPNMGR-5-SSL_CONNECT_OK	5-Notice	SSL/TLS connection successful with client [chars]\n	This message indicates that SSL/TLS handshake with peer was successful	iosxe-ssl	ACTION_NONE_REQUIRED
SSLVPNMGR-6CONTEXT_MAX_USERS_LOGIN_DENIED	6-Information	Login denied for user [chars]. Max users exceeded for context [chars]\n	This message indicates that user was denied to login because the the max users for the context has been exceeded	iosxe-ssl	Check the gateway configuration and reconfigure the maximum allowed users in the context
SSLVPNMGR-6GLOBAL_MAX_USERS_LOGIN_DENIED	6-Information	Login denied for user [chars]. Global max users limit reached\n	This message indicates that user was denied to login because the the max users limit reached	iosxe-ssl	ACTION_NONE_REQUIRED
SSLVPNMGR-6-SESSION_TERMINATE	6-Information	Session terminated. [chars]\n	SSLVPN session was terminated	iosxe-ssl	ACTION_NONE_REQUIRED

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explan	Component	Recommended-Action
STACKMGR-1-DUAL_ACTIVE_CFG_MSG	1-Alert		Dual Active Detection [chars]\n	Switch detected availability or unavailability of Dual Active Detection ports.	iosse-fwdmgr	No action is required
STACKMGR-1-EPA_MISMATCH	1-Alert		[chars]. The mis-match may caused by hardware failure or different EPA types.\n	The Standby EPA mismatch with Active EPA.	iosse-fwdmgr	Need to make them match
STACKMGR-1-FATAL_ERR	1-Alert		Stack manager encountered an unrecoverable error. [chars]\n	The stack manager process has encountered an unrecoverable error and the switch is being reloaded.	iosse-fwdmgr	Please ensure valid switch numbers are being used. If you still believe there is an error in the system, please send the system report to a TAC representative
STACKMGR-1-LIC_MISMATCH	1-Alert		License level is [chars] and needs to be upgraded to [chars] for Stackwise Virtual to function.\n	Current Licnese level on active switch does not support Stackwise Virtual.	iosse-fwdmgr	Need to be upgraded to supported license level
STACKMGR-1-RELOAD	1-Alert		Reloading due to reason [chars]\n	The specified switch has received a reload request and is being reloaded.	iosse-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
STACKMGR-1-RELOAD_REQUEST	1-Alert	Received reload request for [chars], reason [chars]\n	The specified switches are being reloaded.	iosxe-fwdmgr	No action is required
STACKMGR-1-STACK_MERGE_IGNORE	1-Alert	Stack Merge Ignored [chars]\n	Switch detected multiple Active switches. But stack-merge is being ignored.	iosxe-fwdmgr	No action is required
STACKMGR-4-SWITCH_ADDED	4-Warning	[chars] [dec] has been added to the stack.\n	The specified switch has been added to the stack.	iosxe-fwdmgr	No action is required
STACKMGR-4-SWITCH_REMOVED	4-Warning	[chars] [dec] has been removed from the stack.\n	The specified switch has been removed from the stack.	iosxe-fwdmgr	No action is required
STACKMGR-5-CHASSIS_ROLE_UPDATE_FAIL	5-Notice	Failed to Set [chars] Chassis [dec] chassis_role [chars]	This is used to indicate that update to new role failed	iosxe-fwdmgr	This is a rare failure condition. Please reach out to TAC
STACKMGR-5-FAST_RELOAD_DONE	5-Notice	Fast reload operation completed successfully on entire stack	This is used to indicate that the fast reload on stack is complete.	accsw-p-fsu	No action needed. This is not an error.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
STACKMGR-6-ACTIVE_ELECTED	6-Information	[chars] [dec] has been elected ACTIVE.\n	The specified switch has been elected active.	iosxe-fwdmgr	No action is required
STACKMGR-6-ACTIVE_READY	6-Information	Active [chars] [dec] is ready.\n	The active switch is ready.	iosxe-fwdmgr	No action is required
STACKMGR-6-CHASSIS_ADDED	6-Information	[chars] [dec] has been added to the stack.\n	The specified chassis has been added to the stack.	iosxe-fwdmgr	No action is required
STACKMGR-6-CHASSIS_READY	6-Information	[chars] [dec] is ready.\n	The specified chassis is ready.	iosxe-fwdmgr	No action is required
STACKMGR-6-CHASSIS_REMOVED	6-Information	[chars] [dec] has been removed from the stack.\n	The specified chassis has been removed from the stack.	iosxe-fwdmgr	No action is required
STACKMGR-6-CHASSIS_REMOVED_KA	6-Information	[chars] [dec] has been removed from the stack due to keepalive failure. \n	Chassis has been removed due to the keepalive failure.	iosxe-fwdmgr	No action is required
STACKMGR-6-DISC_DONE	6-Information	[chars] [dec] has finished stack discovery.\n	The specified switch has completed stack discovery and is moving to the election phase.	iosxe-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
STACKMGR-6-DISC_START	6-Information	[chars] [dec] is starting stack discovery.\n	The specified switch is starting stack discovery.	ios-e-fwdmgr	No action is required
STACKMGR-6-KA_MISSED	6-Information	Keepalive missed for [dec] times for [chars] [dec] \n	Chassis has been removed due to the keepalive failure.	ios-e-fwdmgr	No action is required
STACKMGR-6-STACK_LINK_CHANGE	6-Information	Stack port [dec] on [chars] [dec] is [chars]\n	The specified stack port has changed status.	ios-e-fwdmgr	No action is required
STACKMGR-6-STANDBY_ELECTED	6-Information	[chars] [dec] has been elected STANDBY.\n	The specified switch has been elected standby.	ios-e-fwdmgr	No action is required
STACKMGR-6-SWITCH_READY	6-Information	[chars] [dec] is ready.\n	The specified switch is ready.	ios-e-fwdmgr	No action is required
STATSMGR-3-ZIP_FAILURE	3-Error	[[chars]] Failed to compress file [chars], reason: [chars]	This notice syslog is generated when statistics file cannot be compressed because of an error	statsmgr2	Please contact Cisco TAC regarding this issue. Compression of stats file should always succeed

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
STATSMGR-5-STATS_DISABLED	5-Notice	Table [chars] is disabled on SD-WAN Manager	This notice syslog is generated when a table has been disabled on SD-WAN Manage	sd-wan-fa2	No action is needed
STATSMGR-5-ZIP_TIME_EXCEEDED	5-Notice	[chars] compressed ([chars] -> [chars]) in [chars]	This notice syslog is generated when zipping a file takes more than 5 seconds	sd-wan-fa2	No action is needed
SUBSYS-3-SUBSYS_CLASS	3-Error	[chars] subsystem [chars] has class [chars]	The task has detected a subsystem which has an unsupported class in its header.	ios-xr-ios	LOG_STD_ACTION
SUBSYS-3-SUBSYS_RECURSION	3-Error	[chars] subsystem [chars] maxiumum sequence depth [dec] exceeded	The task has detected that a subsystem upon insertion has exceeded the depth of insertion.	ios-xr-ios	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg Explain	Component	Recommended-Action
SUBSYS-3-SUBSYS_VERSION	3-Error	[chars] subsystem [chars] has unsupported version: [dec]	The task has detected a subsystem which has an unsupported version in its header.	iosvbinutils	LOG_STD_ACTION
SUBSYS-6-SUBSYS_SEQUENCE	6-Information	[chars] subsystem [chars] has cross class sequence for [chars]	The task has detected a subsystem which has an incorrect class for which it is being considered for.	iosvbinutils	LOG_STD_ACTION
SUBSYS-6-SUBSYS_UNORDERED	6-Information	Subsystem class [dec] ([chars]) has no order	The task has detected a class which has an unknown order upon initialization.	iosvbinutils	LOG_STD_ACTION
SWITCH-3-L2_L3_CONVERT	3-Error	Failed to convert interface [chars] into an [chars] port	An error occurred while changing the port mode from L2 to L3 or vice versa.	iosvplatform	Try reloading the device. If the reload fails to correct the problem, collect the output of the error message, the logs and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
SYSHW-3-SYSHW_READ	3-Error	A read operation has failed for device: [chars] error: [chars]	A syshw read operation failed for the mentioned device	polaris-infra	The error message indicates a read failure for the device. No action is needed from the user. However, if these errors come continuously or frequently, it may indicate permanent fault with the specific device/component.
SYSHW-3-SYSHW_REG_READ	3-Error	A register read operation has failed for device: [chars] register: [chars] error: [chars]	A syshw register read operation failed for the mentioned device	polaris-infra	The error message indicates a read failure for the device. No action is needed from the user. However, if these errors come continuously or frequently, it may indicate permanent fault with the specific device/component.
SYSHW-3-SYSHW_REG_WRITE	3-Error	A register write operation has failed for device: [chars] register: [chars] error: [chars]	A syshw register read operation failed for the mentioned device	polaris-infra	The error message indicates a read failure for the device. No action is needed from the user. However, if these errors come continuously or frequently, it may indicate permanent fault with the specific device/component.
SYSHW-3-SYSHW_WRITE	3-Error	A write operation has failed for device: [chars] error: [chars]	A syshw write operation failed for the mentioned device	polaris-infra	The error message indicates a write failure for the device. No action is needed from the user. However, if these errors come continuously or frequently, it may indicate a permanent fault with the specific device/component.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
SYSPLAT-3-PLIM_BRIDGE_CRITICAL_ERROR	3-Error	Reloading [chars] due critical event %#x in block [chars]/[dec] of PLIM device	A critical PLIM device I/O event has occurred.	ark-intl	The system automatically reloads the hardware component experiencing the error. If the problem persists, copy the message exactly as it appears on the console or in the system log, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.
SYSPLAT-3-PLIM_CRITICAL_ERROR_RATE	3-Error	Reloading [chars] due to critically high PLIM device error rate.	A Serial Bridge has experienced a persistently high error rate. The condition is serious and the card must be reloaded. This could be due to a hardware or software driver defect.	ark-intl	Copy the message exactly as it appears on the console or in the system log, collect the output of show tech-support and any other relevant logs, and contact your Cisco technical support representative.
SYSPLAT-5-PLIM_BLOCK_EVENT	5-Notice	Block [chars]/[dec] of PLIM device had I/O event %#x	A PLIM device I/O event has occurred. This event is not serious but is logged for diagnostic purposes.	ark-intl	No user action is required.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
SYSPLAT-5-PLIM_EVENT_RATE	5-Notice	The [chars] event rate of [dec] has exceeded the threshold of [dec] on interconnect [dec]	A Serial Bridge has experienced a high event rate. This condition is not considered serious, but is logged for diagnostic purposes. This could be due to a hardware or software driver defect.	serial-internal	No user action is required. If this message persists, a PLIM device critical message that needs to be addressed will appear.
SYSTEM-2-REBOOT_ABORTED	2-Critical	System reboot aborted due to [chars]	This syslog is generated when system reboot is aborted due to an error	edge-install	If reboot is aborted due to software error, please contact Cisco TAC
SYSTEM-3-CONFIG_BACKUP_FAILURE	3-Error	Failed to backup config	This error syslog is generated when config cannot be backed up by SD-WAN Edge device	edge-ftp	Please create a ticket with Cisco TAC

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SYSTEM-4-SSL_CERT_WARNING	4-Warning	SSL certificate warning: [chars] (code: [chars])	This syslog is generated when self-signed certificates are used for communication. Self signed certificates are not considered secure and must be replaced with certificates provided by verified distributors	edge-install	Customers are expected to delete self-signed certificates and replace with them Enterprise certificates
SYSTEM-5-CONFIG_BACKUP_SUCCESS	5-Notice	Config backed up successfully	This notice syslog is generated whenever config is backed up by SD-WAN Edge device. This is typically done whenever control connectivity with SD-WAN Manager is established	edge-backup	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg-Explanation	Component	Recommended-Action
SYSTEM-5-REBOOT_ISSUED	5-Notice	System reboot issued, reason: [chars]	This syslog is generated when system reboot is issued	cedge-install	No action is required
SYSTEM-5-SOFTWARE_INSTALL_STATUS	5-Notice	Software install stage: [chars], install-id: [chars], message: [chars]	This syslog is generated during software installation which goes through multiple stages	cedge-install	No action is required
SYSTEM-6-CLI_COMMIT	6-Information	CLI commit done by user [chars]	This info syslog is generated when a user alters config via CLI. CLI is usually locked when a device is managed by Cisco SD-WAN Manager, however when the control connection is down, CLI session is unlocked for users and user can commit via CLI	vipdemon	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
SYSTEM_CONFIG_MESSAGE-2-AP_FILE_TRANSFER_HTTPS_SUPPORT	2-Critical	CRITICAL, [chars]	General WLC critical message	ise-binutils	LOG_STD_ACTION
SYSTEM_CONFIG_MESSAGE-3-ACL_FLEX_ERR	3-Error	Error in [chars]	ewlc ACL flex push error message.	ise-binutils	LOG_STD_ACTION
SYSTEM_CONFIG_MESSAGE-3-ACL_INDEX_ERR	3-Error	Error in [chars]	ewlc ACL flex index error message.	ise-binutils	LOG_STD_ACTION
SYSTEM_CONFIG_MESSAGE-5-UNSUPPORTED_HEX_ACL_RULE	5-Notice	Unsupported rule: [chars], in flex acl: [chars]	unsupported rule in flex acl	ise-binutils	LOG_STD_ACTION
TAGMGR_DB_SYSLOG3-TAGMGR_RF_TAG_CREATE_ERROR	3-Error	Failure during RF tag [chars] creation, could not add to rf profile tag list	Failed to add RF tag to RF profile tag list	ewlc-rrm	Please delete the RF tag and configure again
TAGMGR_TRACE_MSG3-TAG_EASY_PSK_CONFIG_WARNING	3-Error	Easy-PSK config validation error: [chars]	Easy-PSK CONFIG warning message	ewlc-spwifi	LOG_STD_ACTION
TAGMGR_TRACE_MSG3-TAG_MPSK_CONFIG_WARNING	3-Error	MPSK config validation error: [chars]	MPSK CONFIG warning message	ewlc-ap	LOG_STD_ACTION
TAGMGR_TRACE_MSG4-TAG_CONFIG_WARNING	4-Warning	Warning: [chars]	General Wireless LAN Controller warning message	ewlc-ap	LOG_STD_ACTION
TAGMGR_TRACE_MSG5-WLC_MODE_CHANGE	5-Notice	Mode Change: [chars]	Msg indicating AP reboot during Mode Change	ewlc-ap	LOG_STD_ACTION

Facility-Severity-Mnemonic	Msg-Id	Message	Msg-Text	Component	Recommended-Action
TDLDB-3-DATABASE_MEMORY_LEAK	3-Error	Database memory leak detected in [chars] database, [chars]/[chars]/[chars] size: [dec] bytes	A memory leak has been detected in the database memory. The leaked object is identified by name	iosxe-p-db	LOG_STANDARD_ACTION

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explanation	Component	Recommended-Action
TDLDB-3-DBPERSIST_OPERATION_FAILURE	3-Error	Operation: [chars], DB: [chars], Failure reason: [chars]		iosxe-p-db	LOG_STD_ACTION

Facility-Severity-Mnemonic	MsgId	Message	MsgText	Component	Recommended-Action
			<p>Database persistent operation can be triggered by 1. Persist : write memory or reload CLI 2. Delete : write erase CLI 3. Restore : During boot time, when database is first opened When error occurs, it can impact the customer in this way 1. Persist : DB content can not be persisted, data will be lost after system reload. If reload CLI command fails, it does not allow the system getting reloaded. 2. Delete :</p>		

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explain	Component	Recommended-Action
			There may be database residue in the persistent storage media. 3. Restore : Persistent content cab be lost		
TDLDB-3-INVALID_TABLE_FREE	3-Error	Invalid table free by process [chars] in [chars] on table with luid [chars]	In shared databases, only the garbage collector should be performing table and record deletes on tables that have read cursors enabled. A non-gc process has performed a table deletion.	iosxe-p-db	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
TDLDB-3-SESSION_LOCK_TIMEOUT	3-Error	Owner: user-proc: [chars], DB: [chars]. Lock expired [chars] ago.	An application running in a process wishes to have an exclusive write access to DB. It acquires a session lock with for a specific period and is expected to release or renew the session lock. The application has failed to do so and hence the unexpected timeout has occurred	polaris-infra	This is unexpected. Report this to Cisco TAC.
TDLDB-3-WRITE_ON_SNAPSHOT	3-Error	Process writing on snapshot DB [[chars]]	Application is trying to write on a snapshot DB. A snapshot DB is read-only and any write operation is not effective.	polaris-infra	LOG_STD_ACTION

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explain	Component	Recommended-Action
TDLDB-4-LONG_READ_WRITE_LOCK_HELD	4-Warning	Process held [chars] lock on DB [[chars]] for [[dec]] ns	Application has held the read/write lock for fairly long time. If this error is thrown, it means that the lock has been held for more than 1 sec.	iosxe-p-db	LOG_STD_ACTION

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explain	Component	Recommended-Action
TDLDB-6-DBPERSIST_OPERATION_INFO	6-Info	Cancelled [chars] operation and is intended - DB: [chars], Reason: [chars]	When this message is observed, the reason can be 1. DB format version mismatched - database format definition can be changed. If mismatched, the operation is cancelled and this is an intended behavior. 2. DB base pointer mismatched - database base pointer can be modified. If changed, the operation is cancelled and this is an intended behavior.	iosxe-p-db	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sub-Mnemo	Message	Msg Explain	Component	Recommended-Action
TDLDB-6-SUBSCRIPTION_DAMPENING_INACTIVE	6-Information	Subscription dampening inactive for DB [chars] on table [chars]. All on-change updates for the table will be sent. Consider re-adjusting the dampening period	On-change Subscription enabled with dampening will be temporarily in-active due to load on system or due to incorrect dampening interval configured.	iosxe-p-db	LOG_STD_ACTION
TDLDB-6-SUBSCRIPTION_DAMPENING_REACTIVATE	6-Information	Dampening subscription re-activated for DB [chars] on table [chars]	On-change Subscription re-activated with dampening resumed after it got paused	iosxe-p-db	LOG_STD_ACTION
THERMAL-1-THERMAL_GREEN_THRESHOLD	1-Alert	Hotspot temperature has exceeded GREEN threshold\n	The switch is too cold.	platform	Check the switch's environment is a safe operating temperature. If problem persists, replace the switch.
THERMAL-1-THERMAL_RED_THRESHOLD	1-Alert	Hotspot temperature has exceeded RED threshold. Switch will shutdown soon.\n	The hotspot temperature is critically overheated. The switch will soon shutdown to prevent permanent damage.	platform	Check the switch's environment is a safe operating temperature. If problem persists, replace the switch.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
THERMAL-2-THERMAL_YELLOW_THRESHOLD	2-Critical		Hotspot temperature has exceeded YELLOW threshold\n	The hotspot temperature is too high. Improve cooling immediately.	platform	Check the switch's environment is a safe operating temperature. If problem persists, replace the switch.
TH_WARN_MGR2WIRELESS_CLIENTS_THRESHOLD_CLEAR	2-Critical		Current percentage of joined wireless clients ([dec]) returned below the configured threshold ([dec])	The number of clients currently joined to the wireless controller returned below the configured threshold for the device	iosetools	If this message occurs, you need to carefully check if you need a more capable controller for the number of wireless clients you are trying to serve
TH_WARN_MGR2WIRELESS_CLIENTS_THRESHOLD_HIT	2-Critical		Current percentage of joined wireless clients ([dec]) exceeded the configured threshold ([dec])	The number of clients currently joined to the wireless controller has exceeded the configured threshold for the device	iosetools	If this message occurs, you need to carefully check if you need a more capable controller for the number of wireless clients you are trying to serve

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
TIMINGD-0-EVENT_LIBRARY	0-Emergency	An event facility initialization or maintenance function failed because [chars]	An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	iiot-tr-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
TIMINGD-0-IPC_CONNECTION_INVALID	0-Emergency	An IPC connection has invalid state.	An IPC connection has an invalid state. This could be due to a software defect or system resource exhaustion.	iiot-tr-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
TIMINGD-0-IPC_CONNECT_MASTER	0-Emergency	IPC connection to the active RSP failed because [chars]	IPC connection to the active RSP failed. This could be due to a software defect or system resource exhaustion.	iiot-tr-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
TIMINGD-0-IPC_INITIALIZATION	0-Emergency	IPC initialization failed because [chars]	IPC initialization failed. This could be due to a software defect or system resource exhaustion.	not-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
TIMINGD-0-MESSAGE_REGISTER	0-Emergency	Failed to register with active RSP because [chars]	The active RSP failed to register.	not-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
TIMINGD-0-MESSAGE_RELAY	0-Emergency	Failed to relay a message because [chars]	Failed to relay a message. This could be due to a software defect or system resource exhaustion.	not-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
TIMINGD-0-MESSAGE_RESPONSE	0-Emergency	An invalid message response was received because [chars]	An invalid message response was received. This could be due to a software defect or system resource exhaustion.	not-ttr-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
TIMINGD-0-MQIPC_ADVANCE	0-Emergency	Failed to advance MQIPC queue because [chars]	The MQIPC initialization failed.	not-ttr-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
TIMINGD-0-MQIPC_INITIALIZATION	0-Emergency	MQIPC initialization failed because [chars]	MQIPC initialization failed. This could be due to a software defect or system resource exhaustion.	not-ttr-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Sev-Mnng	Message	Msg-Explan	Component	Recommended-Action
TIMINGD-0-PEER_TABLE	0-Emergency	A peer table initialization or maintenance function failed because [chars]	A peer table initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	not-tt-timing	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
TIMINGD-0-RESOURCE	0-Emergency	Resource allocation failed in [chars] because [chars]	The system is unable to allocate the requested resource.	not-tt-timing	In most cases, this message is seen as a result of a temporary resource issue. Retry the request for the resource when the system is experiencing lower traffic volumes. If the message persists, reload the router using the reload command.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
TLSCD-4-DNS_RESOLVER_FAILURE	4-Warning	DNS resolver failed for url [chars] session [chars].	The TLS Client daemon attempted to resolve the server url and API is failing/timing out. The failure may have been caused by a miss configuration of nameserver or url string in crypto tls-tunnel configuration. Daemon shall be retrying to resolve the url periodically.	isepkcsnfa	This error indicates a configuration issue for url resolution.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
TLSCD-4-TPS_CERT_RESP_FAILURE	4-Warning	TPS certificate response failed for session session [chars].	The TLS Client daemon process attempted to get the certificate from IOSd and API is failing/timing out. The failure may have been caused by a miss configuration of pki trustpoint crypto tls-tunnel configuration.	ioscrypto	This error indicates a configuration issue for pki trustpoint.
TLSCD-5-SESSION_UPDOWN	5-Notice	Session [[chars]] to TLSGW: [[chars]] is [chars].	The TLS Client daemon process session status notification.	ioscrypto	The TLS Client daemon process session status.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Expn	Component	Recommended-Action
TTYMON-3-AGETTY	3-Error	Cannot initiate a switch in console ownership. A required program could not be launched successfully.		iscbinutils	Some required programs are either not available or not configured correctly or are failing for some reason. If this occurs after a recent upgrade it is possible that the upgrade has corrupted the current installation.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
				<p>The Host Manager process on the Route Processor, and only the Route Processor, is responsible for determining which process has control of the console port, either IOSd or an IOSXE process. A user can initiate a switch in ownership by entering the 'send break' command at a telnet prompt to switch from IOSd to a shell instance. Control is returned to IOSd by exiting the shell instance. Switching ownership</p>		

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explain	Component	Recommended-Action
			of the console port is initiated by the user entering a 'send break' command at a telnet prompt. The Host Manager launches one or more programs to authenticate users and to provide a shell instance. One or more of these programs has not been configured correctly.		

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
TTYMON-3-CHASFS	3-Error	The software which monitors ownership of the console port cannot [chars] a filesystem configuration value.		isobmtools	Check the log files for the Host Manager and search for entries related to 'ttymon' and 'chasfs' and this should give an indication as to why the operation failed. Check available resources and see if other daemons are also experiencing problems with the chassis filesystem since this may indicate a more pervasive problem. If so the reboot the box.

Facility-Severity-Mnemonic	Msg	Message	Msg Explain	Component	Recommended-Action
			<p>The Host Manager process on the Route Processor, and only the Route Processor, is responsible for determining which process has control of the console port, either IOSd or an IOSXE process. A user can initiate a switch in ownership by entering the 'send break' command at a telnet prompt to switch from IOSd to a shell instance. Control is returned to IOSd by exiting the shell instance. The component</p>		

Facility-Severity-Mnemonic	MsgId	Message	MsgText	Component	Recommended-Action
			within the Host Manager responsible for monitoring a change of console ownership uses the filesystem to store various settings. This error indicates that the daemon encountered a problem either reading or writing a value from/to the filesystem.		

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
TTYMON-3-INIT	3-Error		The software which monitors ownership of the console port cannot be initialized correctly		ioscbinsult	Check the status of the Host Manager process. Check the Host Manager log files for further indications as to why the initialization failed and if necessary restart the machine.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg	Explan	Component	Recommended-Action
					<p>The Host Manager process on the Route Processor, and only the Route Processor, is responsible for determining which process has control of the console port, either IOSd or an IOSXE process. A user can initiate a switch in ownership by entering the 'send break' command at a telnet prompt to switch from IOSd to a shell instance. Control is returned to IOSd by exiting the shell instance. The component</p>		

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
			within the Host Manager responsible for this has encountered an initialization error and console monitoring is no longer available.		

U to Z

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
UBD-0-EVENT_LIBRARY	Emergency	An event facility initialization or maintenance function failed because [chars]	An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.	polaris-infra	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
UBD-0-MQIPC_ADVANCE	0-Emergency	Failed to advance MQIPC queue because [chars]	The MQIPC initialization failed.	polaris-infra	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
UBD-0-MQIPC_INITIALIZATION	0-Emergency	MQIPC initialization failed because [chars]	MQIPC initialization failed. This could be due to a software defect or system resource exhaustion.	polaris-infra	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
UBD-2-INITIALIZATION_FAILED	2-Critical	URSA Bootstrap initialization for [chars] failed.	Initialization of ursa bootstrap process failed.	polaris-infra	Review UBOOTD logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
UICFGEXP-3-LIBRARY_ERROR	3-Error	Error loading library '[chars]': [chars]	A configuration message was received which required a library to be loaded. The library failed to load.	iosxe-ui	LOG_STD_ACTION
UICFGEXP-3-MESSAGE_ERROR	3-Error	Unable to process message for '[chars]': [chars]	A message was received by the configuration export module which could not be processed. The message has been discarded.	iosxe-ui	LOG_STD_ACTION
UICFGEXP-3-SYMBOL_ERROR	3-Error	Error loading library symbol '[chars]' from '[chars]': [chars]	A configuration message was received which required a library to be loaded. The library failed to load all required symbols.	iosxe-ui	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
UICFGEXP-3-WRITE_FAILED	3-Error	Unable to write configuration for '[chars]': [chars]	The configuration export module failed to write the server configuration files. The server configuration change has not occurred.	iosxe-ui	LOG_STD_ACTION
UICFGEXP-6-SERVER_NOTIFIED_START	6-Information	Server [chars] has been notified to start	The server has been notified to start.	iosxe-ui	LOG_STD_NO_ACTION
UICFGEXP-6-SERVER_NOTIFIED_STOP	6-Information	Server [chars] has been notified to stop	The server has been notified to stop.	iosxe-ui	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
UIPEER-2-TDL_MESSAGE	2-Critical		Cannot construct an IPC message for library. The message name is [chars] and the reason is: [chars]	A problem occurred while constructing a type definition language (TDL) message or setting a field in a TDL message. If the problem occurred during construction of a TDL message, then the system is out of memory. If the problem occurred while setting a field in the TDL message, there is a library mismatch issue.	isobinsults	Check [uipeer] ERR entries in the log files for message reporting problems.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
UIPEER-3-INVALID_DEBUG_MESSAGE	3-Error	The peer process was unable to process an incoming message for 'debug all' from the shell-manager	When the 'debug all' command is issued, the Shell Manager broadcasts a notification of the command request to its peers. If the notification message has been corrupted or incorrectly created, the peers cannot complete the requested operation.	is not a result	Check the trace files for the Shell Manager failed process. Restart the system.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
UIPEER-3-INVALID_EPOCH_MESSAGE	3-Error	The peer process was unable to process an incoming epoch update message from the shell-manager	For each new type definition language (TDL) epoch, the Shell Manager broadcasts a change notification message to its peers. If the Shell Manager's message is incorrect or corrupt, the peers are unable to identify the new epoch. In this case, the peers reject the proposed epoch.	isobinsult	Check the trace files for the Shell Manager failed process. Check or undo any recently installed packages, then restart the system.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
UIPEER-3-INVALID_HOSTINFO_MESSAGE	3-Error	The peer process was unable to process an incoming message for host info from the shell-manager	When host information, such as the hostname, changes, the Shell Manager broadcasts a notification of the change to its peers. If the notification message has been corrupted or incorrectly created, the peers cannot complete the requested operation.	isobmutils	Check the trace files for the Shell Manager failed process. Restart the system.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
UIPEER-3-NO_PEER	3-Error		A process was unable to retrieve a shell-manager peer handle.	A process was attempting to communicate with the Shell Manager daemon using the integrated [uipeer] component. The error occurred because the peer instance could not be found.	isscbinutils	Check [uipeer] ERR entries in the log files for message reporting problems.
UIPEER-3-SET_LOG_TRACELOG_NUM	3-Error		Tracelog number for process [chars] changed to [dec]	Tracelog number to keep for a process is changed using set logging tracelog number .. CLI	polaris-trace	No action is required. This is informational message
UIPEER-5-TIMER_ACCURACY_TEST	5-Notice		Timer Accuracy Test [chars].	Test result of Timer Accuracy Test	isscbinutils	No action is required. This is informational message
UPGRADE-3-AP_SW_UPDATE_ERR_LOG_MSG	3-Error		AP SW update [chars]	AP Software Update logging	ewlcupgrade	AP software update failed. ISSU image upgrade or SMU patching could be aborted. The user needs to initiate ISSU upgrade/SMU patch again. If the error occurred during manual operation, operation can be initiated again

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
UPGRADE-3-AP_UPGRADE_CLEAR_REPORT_NAME_ERROR	3-Error		AP Upgrade clear report error, failed to find upgrade report name : <[chars]> from upgrade report table	Error occurred in deleting record from upgrade report table. Operation aborted.	ewlc-upgrade	LOG_STD_ACTION
UPGRADE-3-AP_UPGRADE_CLEAR_REPORT_NAME_IN_PROGRESS_ERROR	3-Error		Staggered AP Upgrade in progress, failed to delete upgrade record with report name : <[chars]> from upgrade report table	Error occurred in deleting record from upgrade report table. Operation aborted.	ewlc-upgrade	LOG_STD_ACTION
UPGRADE-3-AP_UPGRADE_FALLBACK_ERROR	3-Error		AP Upgrade fallback error	Error occurred in upgrade fallback process. Operation aborted.	ewlc-upgrade	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
UPGRADE3-AP_UPGRADE_FALLBACK_INIT_TIMEOUT	3-Error	Timeout occurred either source controller is not responding or has responded with invalid software version. Aborting fallback process	Timeout occurred. Source controller is not responding to the upgrade fallback version request message or it has responded with an invalid software version. Aborting fallback process	ewlc-upgrade	Please reload source controller with valid image and initiate upgrade process from destination controller by using CLI: 'ap image move destination <Destination Name> <Destination IPv4/IPv6 address> <Report name>'
UPGRADE3-AP_UPGRADE_FALLBACK_TYPE_MSG_ERROR	3-Error	AP upgrade process aborted. Failed to send fallback type message to peer	Error occurred while sending fallback type message to peer. Operation aborted.	ewlc-upgrade	Please restore the mobility status between source and destination controller
UPGRADE3-AP_UPGRADE_FALLBACK_VERSION_VALIDATION_FAILURE	3-Error	Source controller is not responding or has responded with invalid software version	Source controller is not responding to the upgrade fallback version request message or it has responded with an invalid software version	ewlc-upgrade	Please reload source controller with valid image

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
UPGRADE-3-DESTINATION_NOT_READY	3-Error	Destination controller not ready. Aborting upgrade process	Destination controller may be going through another AP upgrade or move	ewlc-upgrade	Please wait for the current ap upgrade to finish before triggering this command.
UPGRADE-3-DESTINATION_NOT_RESPONDING	3-Error	AP upgrade process aborted. Destination controller is not responding	Destination controller is not responding to the upgrade request message	ewlc-upgrade	Destination Controller may be down or unreachable. Please restore the mobility status between source and destination controllers before initiation of AP move/upgrade to destination
UPGRADE-3-MOBILITY_TUNNEL_DOWN	3-Error	AP upgrade process aborted. Mobility tunnel is down for more than the permissible amount of time	If the mobility tunnel with the peer is down for more than the permissible amount of time, the current upgrade process is aborted	ewlc-upgrade	Please restore the mobility status between source and destination controllers before initiation of AP move/upgrade to destination
UPGRADE3STAGGERED_UPGRADE_ABORT_DEST_ERROR	3-Error	Trigger abort CLI from source WLC, fail to abort AP upgrade	AP upgrade abort CLI should be triggered from source WLC.	ewlc-upgrade	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
UPGRADE-3-STAGGERED_UPGRADE_ABORT_ERROR	3-Error	Staggered AP Upgrade not in progress, fail to abort AP upgrade	Error occurred in AP upgrade abort process. Operation aborted.	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-3-STAGGERED_UPGRADE_ERROR	3-Error	Staggered AP Upgrade error: [chars]	Error occurred in upgrade reset process. Operation aborted.	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-3-STAGGERED_UPGRADE_IN_PROGRESS	3-Error	AP upgrade is in progress. New ap upgrade process is not allowed	If an ap upgrade process is already running, either in source or destination mode, new ap upgrade process is not allowed	ewlc-upgrade	Please wait for the current ap upgrade to finish before triggering this command.
UPGRADE-3-STAGGERED_UPGRADE_MOVE_REPORT_ERROR	3-Error	Invalid ap upgrade report name	Upgrade report name entered is invalid	ewlc-upgrade	Please enter a valid ap upgrade report name.
UPGRADE-5-AP_SW_UPDATE_LOG_MSG	5-Notice	AP SW update [chars]	AP Software Update logging	ewlc-upgrade	No action required
UPGRADE-5-AP_UPGRADE_AP_RESET_FAILURE	5-Notice	AP with MAC: [chars] has not rejoined after software upgrade. No longer accounting for this AP	AP has not rejoined the controller	ewlc-upgrade	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
UPGRADE-5-AP_UPGRADE_EVENT	5-Notice	Staggered AP upgrade event: [chars]	Staggered AP upgrade event message	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-5-AP_UPGRADE_SITE_FILTER_ANY_IGNORE	5-Notice	Site-filters for any-image will be ignored for APSP/APDP.	Site-filters added with any-image are only applicable for N+1 upgrades.	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-5-AP_UPGRADE_SSO_FAILURE	5-Notice	Staggered AP upgrade was interrupted due to SSO. The upgrade process will continue shortly.	Staggered AP upgrade was interrupted due to SSO. The process should restart automatically	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-AP_UPGRADE_ANY_IMAGE_DB_DELETE	6-Information	Site-filters added with image name 'any' deleted.	Existing site-filters with image name 'any' are deleted.	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-AP_UPGRADE_AP_RESET	6-Information	AP: [chars] has incorrect software. AP is going for reset.	AP is going for a software upgrade	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-AP_UPGRADE_CLEAR_REPORT_NAME	6-Information	AP Upgrade record deleted successfully	Deleted AP upgrade record.	ewlc-upgrade	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
UPGRADE-6-AP_UPGRADE_DB_DELETE	6-Information	Site filters for APSP deleted for the image version [chars]; new image version is [chars]	Existing site-filters for APSP are deleted since the base image is upgraded.	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-AP_UPGRADE_FALLBACK_COMPLETE	6-Information	AP Upgrade fallback process completed successfully	AP Upgrade fallback process completed	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-AP_UPGRADE_FALLBACK_START	6-Information	AP Upgrade fallback process started	Starting AP upgrade fallback process	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-STAGGERED_UPGRADE_ABORT	6-Information	Aborted AP Upgrade successfully	Aborted AP upgrade process.	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-STAGGERED_UPGRADE_ABORT_DEST	6-Information	Aborted AP Upgrade forcibly on destination controller	AP upgrade was forcibly stopped on destination controller by the user	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-STAGGERED_UPGRADE_COMPLETE	6-Information	Staggered AP Upgrade completed successfully	All APs in current upgrade process rebooted with the new version	ewlc-upgrade	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
UPGRADE-6-STAGGERED_UPGRADE_START	6-Information	Staggered AP Upgrade reboot process started	Rebooting given APs in staggered way	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE-6-STAGGERED_UPGRADE_WITH_RESET_FALLBACK_COMPLETE	6-Information	Staggered AP Upgrade with fallback type as either reset or reset with fallback completed successfully	All APs in current upgrade process rebooted with the new version	ewlc-upgrade	LOG_STD_NO_ACTION
UPGRADE_LSC_RENEW-3-AP_LSC_RENEW_ERR	3-Error	AP LSC renew, [chars]	Error syslog msg for AP LSC renewal	ewlc-ap	LOG_STD_NO_ACTION
UPGRADE_LSC_RENEW-4-AP_LSC_RENEW_WARN	4-Warning	AP LSC renew, [chars]	Warning syslog msg for AP LSC renewal	ewlc-ap	LOG_STD_NO_ACTION
UPGRADE_LSC_RENEW-6-AP_LSC_RENEW_INFO	6-Information	AP LSC renew, [chars]	Info syslog msg for AP LSC renewal	ewlc-ap	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
VDAEMON-3-NO_ACTIVE_VBOND	3-Error	Device does not have an active connection to SD-WAN validator	This error syslog is generated when there are no active control connections to Cisco SD-WAN Validator. This could be a temporary situation where control connections flap because of some network issue. This could also imply some issue with SD-WAN Validator	vip-vdaemon	If the issue persists, i.e. control connections to SD-WAN Validator do not come up for long, use vdiagnose utility to identify the reason

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
VDAEMON-3-NO_ACTIVE_VSMART	3-Error		Device does not have an active connection to SD-WAN Controller	This error syslog is generated when there are no active control connections to Cisco SD-WAN Controller. This could be a temporary situation where control connections flap because of some network issue. This could also imply some issue with SD-WAN Controller(s)	vipdemon	If the issue persists, i.e. control connections to SD-WAN Controller(s) do not come up for long, use vdiagnose utility to identify the reason
VDAEMON-3-NO_SDWAN_MODE	3-Error		Device does not support SD-WAN control mode	This error syslog is generated when SD-WAN Edge virtual machine is instantiated on an unsupported hypervisor	vipdemon	Please check SD-WAN documentation on which all hypervisors are supported for SD-WAN mode

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VDAEMON-5-CONTROL_CONN_STATE_CHANGE	5-Notice	Control connection to [chars] [chars] (TLOC: [chars]/[dec]/[chars] via [chars]) is [chars]	This notice syslog is generated when control connection to Cisco SD-WAN Validator, Controller or Manager goes down or comes back up	vip-vdaemon	No action is required
VDAEMON-5-PEER_AUTH_FAILED	5-Notice	Auth failed for [chars] ([chars]), reason: [chars]. Control connection attempt via [chars] (color: [chars])	This notice syslog is generated when control connection to peer device (Cisco SD-WAN Validator, Manager or Controller) cannot be established due to various reasons	vip-vdaemon	Please refer to https://www.cisco.com/c/en/us/td/docs/configuration/guide/9809_sdwan_validator.html for troubleshooting control connection failures
VDAEMON-6-DOMAIN_ID_CHANGED	6-Information	Domain id changed from [dec] to [dec] via config	This info syslog is generated when domain-id is changed via config	vip-vdaemon	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
VDAEMON-6-IPSEC_REKEY	6-Information	IPSec SA [chars] rekey done for tunnel established via [chars] (color: [chars])	This info syslog is generated when auto/manual IPSEC rekey is initiated for tunnels established over a WAN interface	vipdemon	No action is required
VDAEMON-6-ORG_NAME_CHANGED	6-Information	Organization name changed from [chars] to [chars]	This info syslog is generated when organization name is changed via config	vipdemon	No action is required
VDAEMON-6-SITE_ID_CHANGED	6-Information	Site id changed from [dec] to [dec] via config	This info syslog is generated when site-id is changed via config	vipdemon	No action is required
VDAEMON-6-SYSTEM_IP_CHANGED	6-Information	System IP changed from [chars] to [chars] via config	This info syslog is generated when system IP is changed via config	vipdemon	No action is required

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Expn	Component	Recommended-Action
VDAEMON-6-SYSTEM_LICENSE_MISMATCH	6-Information	There is a license association mismatch. [chars] instance is being associated to [chars] license	This info syslog is generated when there is a license association mismatch. Pay As You Go instance cannot be associated with Bring Your Own instance or vice versa	vip-vdaemon	Contact Cisco TAC for assistance

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VDAEMON-6-TLOC_IP_CHANGE	6-Information	Control connection TLOC changed from [chars]:[dec] to [chars]:[dec]	This info syslog is generated when TLOC IP and port changes as a result of static configuration change, DHCP renewal or when the edge device learns about public IP/port via Cisco SD-WAN Catalyst validator (which behaves as STUN server in such cases)	vipdemon	No action is required
VDAEMON6VMANAGE_CONNECTION_PREF_CHANGED	6-Information	vManage connection preference for interface: [chars] (color: [chars]) changed to [dec]	This info syslog is generated when vmanage connection preference value for a WAN interface is changed via config	vipdemon	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
VMAN-2-ACTIVATION_STATE	2-Critical		[chars] '[chars]' [chars] [chars]	The activation state of the named virtual service has changed as notified by Virt-manager.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.
VMAN-2-ALLOC_VIRT_INST_RCS	2-Critical		Virtual Service[chars]	A memory allocation request failed to allocate a data structure required to activate the virtual service.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-COMMIT_VIRT_INST_RCS	2-Critical		Virtual Service[chars]	The request to commit the resources required by the named virtual service failed.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
VMAN-2-CPUSHARES_LIMIT	2-Critical	Virtual Service[chars]	The virtual service machine definition file is requesting more CPU shares than the system has available for virtual services.	vman	Deactivate any other virtual services to free up CPU share resources and activate this virtual service. If that does not address the problem, then enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-CPUTUNES_INTERNAL_ERROR	2-Critical	Virtual Service[chars]	Virt-manager and its associated infrastructure experienced an internal error.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-CPUTUNES_SHARES_LIMIT	2-Critical	Virtual Service[chars]	The virtual service machine definition file is requesting more CPU shares than the system has available for virtual services.	vman	Deactivate any other virtual services to free up CPU share resources and activate this virtual service. If that does not address the problem, then enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
VMAN-2-CREATE_VIRT_INST_ENTRY	2-Critical		Virtual Service[chars]	The request to create a DB entry for the named virtual service failed.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-DEACT_FOR_ISSU	2-Critical		[chars] Max ([dec]s)	An ISSU event is pending. Any active VMs will be automatically deactivated to allow ISSU preprocessing to validate the environment. Any ISSU deactivated VMs will be automatically restarted if the ISSU is cancelled.	vman	None. Allow the ISSU to continue and the VMs will restart when the ISSU completes; or cancel the ISSU and vman will automatically restart the VMs.
VMAN-2-DEFER_VIRT_INST_PROC	2-Critical		Virtual Service[chars]	The final activation processing failed to successfully defer.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
VMAN-2-DISK_IMAGE_PATH	2-Critical	Virtual Service[chars]	The virtual service machine definition file contains an invalid disk image path for one of the disk devices. This may be a Harddisk, CDROM or USB storage device.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-FIND_VIRT_INST_ENTRY	2-Critical	Failed to find virtual service with id [dec] in the Virt-manager DB	The virtual service with the ID named could not be located in the Virt-manager DB.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-GENERAL_FAILURE	2-Critical	Virtual Service[chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
VMAN-2-GUESTSHELL_ENABLED	2-Critical		The guest shell has been enabled. The command '[chars]' may be used to access it, '[chars] destroy' to remove it.	Informs the user that the guest shell virtual service has been enabled (which is done by default).	vman	The user may use or remove the guest shell with the commands specified.
VMAN-2-HA_STATE	2-Critical		[chars] [chars] [chars] [chars]	VMAN tries to detect the role/slot of various nodes on HA events from the platform. If any of those event callbacks fail, this notification would be raised.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.
VMAN-2-HA_SWITCHOVER_STATE	2-Critical		[chars] [chars] [chars] [chars]	VMAN HA switchover state related messages for a virtual-service whilst it is being recovered on newly active RP after a HA switchover.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
VMAN-2-HA_SYNC_ERR	2-Critical		[chars] '[chars]' [chars]	The ha-sync persistent storage disk for the virtual service cannot be watched for sync to standby RP.	vman	Collect the Virt-manager logs and scan them for the cause.
VMAN-2-HA_SYNC_THREAD_STATE	2-Critical		HA remote synchronize thread has failed and exited.	VMAN tries to remote sync the OVA repository to all online nodes using a separate thread. If that thread fails, this notification would be raised.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. Check for the pthread error msg and root cause the same.
VMAN-2-INCONSISTENT_CPUTUNES_CONFIG	2-Critical		Virtual Service[chars]	The virtual service machine definition file is requesting invalid CPU tunes parameter.	vman	Use a different valid machine definition file for the virtual service. If the problem persists, then enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VMAN-2-INCONSISTENT_MEM_CONFIG	2-Critical	Virtual Service[chars]	The virtual service machine definition file is inconsistent in the specification of required memory via the &memory& and &memory& nodes.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-INSERT_VIRT_INST_ENTRY	2-Critical	Virtual Service[chars]	Inserting the named virtual service into the virtual service DB tracked by Virt-manager failed.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-INSTALL_FAILURE	2-Critical	Virtual Service[chars]	The installation of the virtual service failed.	vman	Enable the Virt-manager trace logs and repeat the installation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VMAN-2-INSTALL_LOG	2-Critical	[chars] [chars] [chars] [chars]	The installation log of the named virtual service, is to provide more information about long running operation, that could affect the control of CLI	vman	No action is required
VMAN-2-INSTALL_MEDIA_RETRY	2-Critical	VMAN, VM install media still unavailable.[chars]	The install media was not detected. Waiting for udev to complete install media(harddisk) detection.	vman	After VMAN exceeds the maximum retry limit, verify if install media (harddisk) is accessible and retry the installation again.
VMAN-2-INSTALL_STATE	2-Critical	[chars] "[chars]"[chars] [chars]	The installation state of the named virtual service has changed as notified by Virt-manager.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Expln	Component	Recommended-Action
VMAN-2-INVALID_ACT_MSG	2-Critical		Virtual Service[chars]	The virtual service activate message was received, however, the data it contained could not be interpreted	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-INVALID_DEACT_MSG	2-Critical		Failed to process virtual service deactivate message	The virtual service deactivate message was received, however, the data it contained could not be interpreted	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-INVALID_PACKAGE	2-Critical		Virtual Service[chars]	The package definition file for the named virtual service has failed to be validated and the virtual service will not run	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause. The most likely cause would be that the package file has been corrupted during file transfer. The suggested action would be to redo the file transfer.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
VMAN-2-INVALID_UNPROV_MSG	2-Critical	Failed to process virtual service unprovision message	The virtual service unprovision message was received, however, the data it contained could not be interpreted	vman	Enable the Virt-manager trace logs and repeat the activation followed by deactivation and then unprovision of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-MACHINE_TYPE_NOT_SUPPORTED	2-Critical	Virtual Service[chars]	The virtual service cannot be activated as the machine type specified is not supported	vman	Enable the support for the machine type and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-MACH_PARSE_FAILURE	2-Critical	Virtual Service[chars]	The named virtual service has an invalid parameter specified in the .xml file inside the .ova package	vman	Fix the .xml file inside the .ova package to have valid values. Then retry installing and activating it

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg Explain	Component	Recommended-Action
VMAN-2-MEMORY_LIMIT	2-Critical	Virtual Service[chars]	The virtual service machine definition file is requesting more memory than the system has available for virtual services.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-MEMORY_LIMIT_WARN	2-Critical	Virtual service ([chars])[chars] defines [dec] MB of Memory exceeding the maximum [dec] MB.	The virtual service machine definition file is requesting more memory for the specified profile, than the system has available for virtual services.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-MORETHANONE_CPU_TUNES_CONFIG	2-Critical	Virtual Service[chars]	The virtual service machine definition file is requesting more than one CPU tunes parameter.	vman	Use a different valid machine definition file for the virtual service. If the problem persists, then enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
VMAN-2-MOVE_STATE	2-Critical	[chars] '[chars]' [chars] [chars]	The move of the core or log file of the named virtual service has as been successful or failed as notified by Virt-manager.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.
VMAN-2-NETWORK_CONFIG_ERROR	2-Critical	Virtual Service[chars]	A network configuration error has been detected for the named virtual service.	vman	No action is required
VMAN-2-PROCESS_PKG_DEF	2-Critical	Virtual Service[chars]	The virtual service package for the named virtual service has failed to be validated and the virtual service will not run.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VMAN-2-PROC_INT_LIST	2-Critical	Virtual Service[chars]	The interface list embedded in the activate request for the named virtual service could not be processed.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-REMOVE_VIRT_INST_ENTRY	2-Critical	Virtual Service[chars]	Removing the named virtual service from the virtual service DB tracked by Virt-manager failed.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Set-Msg	Message	Msg-Id	Component	Recommended-Action
VMAN-2-RESET_FORCE	2-Critical	Virtual Services non-recoverable reset command processed		vman	Once the command is entered and accepted, there is no recourse but to restart the system.

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explain	Component	Recommended-Action
			<p>A 'virtual service reset force' command has been entered and processed. This action initiates a cleanup of last resort. Occasionally a VM will get into an unrecoverable state that prevents it from activating but also from uninstalling. This is a rare event but when it happens the only resort may be to remove the .conf control file and reboot, which forces a cleanup of all previously installed VM files and artifacts. Note that once this</p>		

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explan	Component	Recommended-Action
				command is used, current VMs are considered to be in an unstable or unpredictable state, and all future install, uninstall, upgrade, and activation commands will be blocked.		
VMAN-2-RESIZE_OPER_STATE	2-Critical		Virtual service '[chars]' [chars][chars] to '[dec]' [chars]	VMAN attempts to resize various VM parameters like rootfs size, CPU share, memory if requested by user. Success/failure status messages for these resize operations are communicated by this syslog.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
VMAN-2-RSYNC_STATE	2-Critical	[chars] [chars] [chars] [chars]	VMAN tries to remote sync the virtual instance configuration file and the OVA repository to all online nodes. If rsync fails even after consecutive retries, this notification would be raised.	vman	In the failed case, check Virt-manager's logs for the cause of the failure. Check for the rsync error code and root cause the same.
VMAN-2-SET_VTX_ROMVAR_SPACE	2-Critical	Failed to set ROM monitor variable ENABLE_VTX: No space in table	Failed to set ENABLE_VTX ROM monitor variable due to no space in Monitor Variable Table.	vman	Verify number of entries in Monitor Variable Table.
VMAN-2-SET_VTX_ROMVAR_STRING	2-Critical	Failed to set ROM monitor variable ENABLE_VTX: Invalid string format: [chars]	Failed to set ENABLE_VTX rom monitor variable due to invalid string format.	vman	Verify format of string from error message.
VMAN-2-START_FAILED	2-Critical	Virtual Service[chars]	The named virtual service failed to start.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
VMAN-2-UNINSTALL_ALL_VMS	2-Critical		All Virtual Services are being uninstalled [chars][chars] [chars]	All virtual services are being uninstalled by Virt-manager.	vman	Examine the reason given as to why all virtual services are being uninstalled for more information. If the reason indicated is due to some error condition, check Virt-manager's logs for the cause of the failure.
VMAN-2-UPGRADE_LOG	2-Critical		[chars] [chars] [chars] [chars]	The upgrade log of the named virtual service, is to provide more information about long running operation, that could affect the control of CLI	vman	No action is required
VMAN-2-VCPU_INVALID	2-Critical		Virtual Service[chars]	The virtual service machine definition file is requesting invalid VCPU value.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
VMAN-2-VCPU_LIMIT	2-Critical	Virtual Service[chars]	The virtual service machine definition file is requesting more VCPUs than the system has reserved for virtual services.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-VIRT_INST_CRIT	2-Critical	VIRTUAL SERVICE [chars] LOG: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required
VMAN-2-VIRT_INST_DISK	2-Critical	Virtual Service[chars]	The virtual service requires Disk Storage in excess of the Free Disk Storage available to virtual services.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VMAN-2-VIRT_INST_INTERFACE	2-Critical	Virtual Service[chars]	The number of configured virtual port group interfaces must match the number of Ethernet Network Interfaces defined in the machine definition file	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-VIRT_INST_LOG_UNTHROTTLE	2-Critical	Failed to unthrottle the log for virtual service [chars]	The named virtual service had sent overwhelming sys log messages and its log had been throttled as a result, but system has failed to unthrottle it for some reason.	vman	For debugging collect the virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VMAN-2-VIRT_INST_MEMORY	2-Critical	Virtual Service[chars]	The virtual service requires physical memory in excess of the free memory available to virtual services.	vman	Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
VMAN-2-VIRT_INST_MGMT_INTERFACE	2-Critical	Virtual service [chars] has no management interface defined but it is configured in CLI.	A management interface is configured but none is defined.	vman	Deactivate the virtual service, remove the management interface configuration CLI, and reactivate the virtual-service.
VMAN-2-VIRT_INST_STATE	2-Critical	Virtual Service[chars]	The named virtual service has failed. It is no longer running either because the guest OS has failed, the guest OS has shut down the machine or the emulator has failed.	vman	An attempt at restarting the virtual service can be made from the IOS configuration by doing a no activate/activate. For debugging collect the Virt-manager logs and scan them for the cause.
VMAN-3-PSS_ERR	3-Error	Purpose: [chars], URI: [chars], errcode: [dec]	Persistent Storage Service handling error	vman	Collect the Virt-manager logs and scan them for the cause.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VMAN-3-PSS_SNAPSHOT_ERR	3-Error	Source URI: [chars], Destination URI: [chars], errcode: [dec]	Persistent Storage Service snapshot error	vman	Collect the Virt-manager logs and scan them for the cause.
VMAN-3-SDWRAP_ERR	3-Error	Description: [chars], errcode: [dec]	Debug infrastructure error	vman	Collect the Virt-manager logs and scan them for the cause.
VMAN-3-VIRT_INST_ERR	3-Error	VIRTUAL SERVICE [chars] LOG: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
VMAN-4-HA_SYNC_NEEDED	4-Warning		If using the guest shell, please use 'guestshell sync' if you want to preserve state on standby in case of supervisor switchover	Message notifying user that he needs to manually synchronize the Virtual service contents to standby supervisor in order to preserve these contents in case of a supervisor switchover. Currently only applicable to the guest shell	vman	User can type the 'guestshell sync' command on active supervisor to synchronize it's contents to the standby supervisor if desired.
VMAN-4-PACKAGE_SIGNING_LEVEL_CHANGED	4-Warning		Package signing level changed from allow '[chars]' to allow '[chars]'	The package certificate signing level global setting has been changed via configuration under the virtual-service global sub-mode.	vman	Ensure that this setting has been changed as expected by an authorized user.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
VMAN-4-UPDATE_WARNING	4-Warning	Virtual Service[chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required
VMAN-4-VIRT_INST_WARN	4-Warning	VIRTUAL SERVICE [chars] LOG: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required
VMAN-4-VIRT_SERV_LIBVIRTD_WARN	4-Warning	VMAN not able to connect to the libvirt daemon after '[dec]' attempts	VMAN has been unable to connect to the libvirt daemon. Virtualization services will not be available until this connection is made.	vman	Collect the logs produced by 'show virt tech'

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
VMAN-4-WATCHDOG_TIMER	4-Warning	[chars] '[chars]' [chars] [chars]	The watchdog timer configured for the named virtual service has expired.	vman	Check any logs produced by the virtual service to determine the cause.
VMAN-5-AUX	5-Notice	Virtual Service[chars]	The AUX login to a virtual service may allow the user access to system functions that may not have been tested or may interact with the system in unintended ways. Use with caution.	vman	No action is required
VMAN-5-PACKAGE_SIGNING_LEVEL_ON_INSTALL	5-Notice	Package '[chars]' for service container '[chars]' is '[chars]', [chars] '[chars]'	A service container software package with the certificate signing level described is being installed.	vman	Take note of the service container and software package. Verify the software package is expected to be (un)signed as described and has the appropriate contents. Uninstall the package if unsure of the package origins.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
VMAN-5-PERMISSION_DENIED	5-Notice	Virtual Service '[chars]' is not owned by client IOSd	An attempt was made to modify a virtual-service that is not owned by the client. The request was rejected.	vman	No action is required.
VMAN-5-VIRT_INST	5-Notice	LOG FROM VIRTUAL SERVICE [chars]: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required
VMAN-5-VIRT_INST_NOTICE	5-Notice	VIRTUAL SERVICE [chars] LOG: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
VMAN-6-VIRT_INST_INFO	6-Information	VIRTUAL SERVICE [chars] LOG: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required
VMAN-7-VIRT_INST_DEBUG	7-Debug	VIRTUAL SERVICE [chars] LOG: [chars]	The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.	vman	No action is required
WDAD_TRACE_MESSAGE3WLCREGULATORY_HEROCESERR	3-Error	Error : [chars]	Error in regulatory file processing	ewlc-rrm	LOG_STD_ACTION
WDAD_TRACE_MESSAGE4WLCREGULATORY_HEROCESWARN	4-Warning	Warning: [chars]	Regulatory file processing warning message	ewlc-rrm	LOG_STD_ACTION
WDAD_TRACE_MESSAGE5WLCREGULATORY_HEROCESNOICE	5-Notice	Notice : [chars]	Regulatory file processing notice message	ewlc-rrm	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message Plain	Component	Recommended-Action
WEBSERVER-5-CONNECTION_FAILED	5-Notice	connection failed from host [chars] - [chars]	Failure reason for SSL connection	ng-web-infra	No action is required
WEBSERVER-5-LOGIN_FAILED	5-Notice	Login Un-Successful from host [chars] by user '[chars]'	Login unsuccessful when user/password is invalid	ng-web-infra	No action is required
WEBSERVER-5-LOGIN_PASSED	5-Notice	Login Successful from host [chars] by user '[chars]'	Login successful	ng-web-infra	No action is required
WEBSERVER-5-MAX_CONNECTION_REACHED	5-Notice	HTTP server maximum connection reached '[dec]'	Maximum HTTP connection reached.	ng-web-infra	No action is required
WEBSERVER-5-SESS_LOGOUT	5-Notice	Successfully logged out from host [chars] by user '[chars]'	Logout successful	ng-web-infra	No action is required
WEBSERVER-5-SESS_TIMEOUT	5-Notice	Session timeout from host [chars] by user '[chars]'	Session Timeout	ng-web-infra	No action is required
WEBSOCKET_SPACES3WS_ONBOARDING_DISCONNECTING	3-Error	Onboarding websocket to cisco-spaces is disconnecting for reason:[chars]	Onboarding websocket to cisco-spaces is disconnecting	spaces-oa	If this message occurs, it means onboarding websocket to cisco-spaces is disconnecting
WEBSOCKET_SPACES3-WS_ONBOARDING_ERR	3-Error	Onboarding websocket to cisco-spaces could not be established for error:[chars]	Onboarding websocket to cisco-spaces could not be established due to errors	spaces-oa	If this message occurs, it means onboarding websocket to cisco-spaces could not be established due to errors
WEBSOCKET_SPACES6WS_ONBOARDING_DISCONNECTED	6-Information	Onboarding websocket to cisco-spaces is disconnected	Onboarding websocket to cisco-spaces is disconnected	spaces-oa	If this message occurs, it means Onboarding websocket to cisco-spaces is disconnected

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
WEBSOCKET_SPACES6-WS_ONBOARDING_SUCCESS	6-Information	Onboarding websocket to cisco-spaces is successfully established	Onboarding websocket to cisco-spaces is successfully established	spaces-oa	If this message occurs, it means onboarding websocket to cisco-spaces is successfully established
WEBUI-6-INSTALL_OPERATION_INFO	6-Information	User: [chars], Install Operation: [chars] [chars]	This message is used to indicate that an install operation is being performed via WebUI	webui-wlcs	No action required. This is not an error, it is a log message that an install operation is being performed via WebUI
WLANMGR_TRACE_MESSAGE2-EMC_WLANMGR_CRIT_ERR	2-Critical	Wlanmgr Error: [chars]	Wlanmgr ewlc Error Message.	ios-ebinrslt	LOG_STD_ACTION
WLANMGR_TRACE_MESSAGE2-EMC_WLANMGR_CRIT_ERR_TRACE	2-Critical	WLANMGR Error: [chars]	WLAN configs are not getting pushed to Access points. Make a note of any recent changes made to the network or the device configuration which may have triggered this and proceed to the suggested action.	ios-ebinrslt	Copy the error message exactly as it appears on the console or in the system log. Open a case with the Technical Assistance Center via the Internet http://www.cisco.com/go/technicalsupport or contact your Cisco technical support representative and provide the representative with the gathered information. It is suggested to collect archive traces and live process core to analyse the error.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended Action
WLANMGR_TRACE_MESSAGE-3-EWLC_WLANMGR_WARN	3-Error	WLANs associated with policy profile [chars] are disabled by calendar profile [chars]	Wlanmgr scheduled WLAN disable message.	ise-binutils	LOG_STD_ACTION
WLANMGR_TRACE_MESSAGE-3-EWLC_WLANMGR_WARN	3-Error	WLANs associated with policy profile [chars] are enabled by calendar profile [chars]	Wlanmgr scheduled WLAN enable message.	ise-binutils	LOG_STD_ACTION
WLANMGR_TRACE_MESSAGE-4-EWLC_WLANMGR_WARN	4-Warning	Wlanmgr Warning: [chars]	Wlanmgr ewlc Warning Message.	ise-binutils	LOG_STD_ACTION
WNCD_ERROR_MESSAGE-3-WNCD_CONFIG_DONE_IC_FAILURE	3-Error	Error: IPC failure to notify wncmgrd on config_done event.	Critical notification to allow AP join	ewlc-app-infra	LOG_STD_ACTION
WNCD_EWC_ERRMSG-6-INSTALL_CLEANUP_INFO	6-Information	INSTALL cleanup after switchover: [chars]	General EWC WNCD message	ewlc-image	LOG_STD_ACTION
WNCMGRD_ERROR_MESSAGE-3-BULK_SYNC_FAIL	3-Error	Error: Bulk sync not complete. Reloading the WLC!	Switchover happened before bulk sync is complete!	ewlc-ha	LOG_STD_ACTION
WNCMGRD_ERROR_MESSAGE-3-HA_PAIR_ERROR	3-Error	Error: Number of wncd instances mismatched between active and standby; HA function will not function correctly.	Resource provision is different on active and standby	ewlc-ha	LOG_STD_ACTION
WSA_ICAP_MESSAGE-3-EWLC_WSA_ICAP	3-Error	%% Error: ICap: [chars]	General ewlc ICap config failure	ise-binutils	LOG_STD_ACTION

Facility-Severity-Mnemonic	Msg Id	Message	Msg Explain	Component	Recommended-Action
WUILOGIN-2-AUTHENTICATION_SYSTEM_FAILED	2-Critical	WebUI standalone authentication process failed. Reason: [chars]	During the id and password validation phase of the wuilogin access module authentication attempt, an exception occurred. This message usually occurs as a result of a failure of the underlying PAM authentication module.	isxbinutils	Note the time of the error and check the web user interface log (wuilogin-*.log) for additional information on why the attempt to access the web user interface failed.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	Component	Recommended-Action
WUILOGIN-2-INITIALIZATION_FAILED	2-Critical	WebUI standalone login initialization failed.	The attempt to access the web user interface using the wuilogin access module failed. The wuilogin access module is used to authenticate web user interface access only when the IOS integrated webserver, which is enabled using the ip http server command, or the IOS process is down or disabled.	ios-cti	Note the time of the error and check the web user interface log (wuilogin-*.log) for additional information on why the attempt to access the web user interface failed.

Additional References

Technical Assistance

When the recommended action of an error message advises that you contact Cisco technical support, open a case with the Cisco Technical Assistance Center (TAC).

Description	Link
<p>The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies.</p> <p>To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds.</p> <p>Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.</p>	<p>https://www.cisco.com/c/en/us/support/index.html</p>

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Cisco Systems, Inc.
San Jose, CA 95134-1706
USA

Asia Pacific Headquarters
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