



System Message Guide for Cisco IOS XE 17.18.x

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System Message Guide for Cisco IOS XE 17.18.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. [Table 1](#) 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]. [Table 2](#) 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 17.18.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 17.18.x](#).

A to E

Facility-Severity-Mnemonic	Severity	Message	Message	Output	Recommendation Action
AAAMGR-5-ACCT_ACTIVATED	5-Notice	SD-WAN AAA Manager accounting has been activated	This info syslog is generated when the SD-WAN AAA manager is actively accounting on CLIs		No action is required
AAAMGR-5-ACCT_DEACTIVATED	5-Notice	SD-WAN AAA Manager accounting has been deactivated	This info syslog is generated when the SD-WAN AAA manager is not actively accounting on CLIs		No action is required

Facility-Severity-Mnemonic	Severity	Message	Message	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
FED3_L2M-4-RSRC_group_limit	4-Warning	Layer2 Multicast current snooping group scale [[dec]] is exceeding the recommended scale [[dec]]. Consider reducing the joins.	Hardware may still support the scale, but the system should not exceed the recommended scale to remain functional	INVALID	Find out the total snooping groups across ipv4 and ipv6, consider reducing the joins to the groups as switch is not capable or disable the snooping for few Vlans as needed

K to O

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
KMAN_DB_ERRMSG-3-DB_HOG	3-Error	Holding [chars] lock of <[chars]> for [dec] ms	The KMAN process was holding the DB lock for too long, which may block other processes.	ios-hostmgr	Collect the system log using CLI 'show logging'.
KMAN_DB_ERRMSG-3-NEST_LOCK	3-Error	Nested lock: try to lock <[chars]> while holding lock <[chars]>	Nested lock detected.	ios-hostmgr	Collect the system log using CLI 'show logging'.
KMAN_DB_ERRMSG-3-UNEXPECTED	3-Error	Error on lock <[chars]>: [chars]	Unexpected error when manipulating DB lock.	ios-hostmgr	Collect the system log using CLI 'show logging'.
KMAN_DB_ERRMSG-4-DB_STARVE	4-Warning	Waiting [chars] lock of <[chars]> for [dec] ms	Current process was waiting for the DB lock for too long	ios-hostmgr	Collect the system log using CLI 'show logging'.
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

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LA_ACL_ERRMSG-3-ACL_SGACL_CELL_OOR_ERROR	3-Error	Out Of Resource: SGACL [chars] on cell ([dec] [dec]) is not allowed. sgacl_id resource exhausted \n	Invalid configuration	INVALID	SGACL policy cannot be applied, ran out of sgacl_ids . \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
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

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
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.
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.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
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
LA_L3_ERRMSG-3-MDT_ENCAP_RSC_ERR	3-Error	Failed to allocate mdt encap entry for adj: [dec] - 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_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	Severity	Message	Msg Explanation	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_ERRMSG4LA_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 Explanation	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_CELL_OOR_ERROR	3-Error	Out Of Resource: SGACL [chars] on cell ([dec] [dec]) is not allowed. TCAM is exhausted \n	Invalid configuration.	INVALID	SGACL policy cannot be applied, ran out of TCAM Space . \n
LA_SGACL_ERRMSG3-SGACL_CELL_TABLE_OOR_ERROR	3-Error	Out Of Resource: SGACL cgid:[dec] on cell ([dec] [dec]) is not allowed. Entries in SGACL_CELL_TABLE are exhausted \n	Configuration is exceeding max limits in table.	INVALID	SGACL policy cannot be applied, SGACL_CELL_TABLE is full. \n
LA_SGACL_ERRMSG3-SGACL_DEFAULT_CONFIG_ERROR	3-Error	TCAM Resource Error. Default permission configuration failed. Delete default sgac permissions, free up some TCAM resources and configure default permission again\n	Configuration is too big	INVALID	Delete sgac 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

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
LCHA_CLIENT-3-CLIENT_CREATION	3-Error		lcha client [dec]/[dec] ([chars]) creation failed: [chars]	LCHA client creation failed.	iosxehostmgr	Check platform and process memory status. Check core files and crashinfo files.
LCHA_CLIENT-3-CLIENT_DESTROY	3-Error		lcha client [dec]/[dec] ([chars]) remove failed: [chars]	LCHA client remove failed.	iosxehostmgr	Collect the system log using CLI 'show logging', and LCHA log on SUP using CLI 'show lcha logging level noise'. Collect the lchaman, iosd-clc, cdman, vidman btrace logs.
LCHA_CLIENT-3-DOMAIN_CREATION	3-Error		lcha domain [dec] creation failed: [chars]	LCHA domain creation failed.	iosxehostmgr	Check platform and process memory status. Check core files and crashinfo files.
LCHA_CLIENT-3-EXTEND_TIMER	3-Error		lcha client [dec]/[dec] event [dec] timer extension failed: [chars]	LCHA client timer extension failed.	iosxehostmgr	Collect the system log using CLI 'show logging', and LCHA log on SUP using CLI 'show lcha logging level noise'. Collect the lchaman, iosd-clc, cdman, vidman btrace logs.
LCHA_CLIENT-3-MSG_DISPATCH_ERR	3-Error		lcha client connection with [chars] message dispatch failed: [chars]	LCHA client message dispatch failed.	iosxehostmgr	Collect the system log using CLI 'show logging', and LCHA log on SUP using CLI 'show lcha logging level noise'. Collect the lchaman, iosd-clc, cdman, vidman btrace logs.
LCHA_CLIENT-3-MSG_HANDLER_ERR	3-Error		lcha client [chars] message failed: [chars]	LCHA client message handling failed.	iosxehostmgr	Collect the system log using CLI 'show logging', and LCHA log on SUP using CLI 'show lcha logging level noise'. Collect the lchaman, iosd-clc, cdman, vidman btrace logs.

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
LCHA_CLIENT-3-MSG_TX_ERR	3-Error		lcha client [chars] message not sent to [chars]; reason [chars]	LCHA client message sending failed.	ios-hostmgr	Collect the system log using CLI 'show logging', and LCHA log on SUP using CLI 'show lcha logging level noise'. Collect the lchaman, iosd-clc, cdman, vidman btrace logs.
LED-2-DB_HA_ERROR	2-Critical		Database HA Error, Led id [dec]	This is an internal software error.	ios-hostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. Search for resolved software issues using the Bug Toolkit at: http://www.cisco.com/cgi-bin/tabletool/hotshow . 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	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
LED-2-GQILIB_INIT_FAILED	2-Critical		Failed to init GQI Lib, Led id [dec]	This is an internal software error.	iosxehostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. 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 or contact your Cisco technical support representative and provide the representative with the gathered information.
LED-2-ID_MISMATCH	2-Critical		LED ID mismatch Led id - [dec], Instance - [dec]	This is an internal software error.	iosxehostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. 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 or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Explanation	Component	Recommended-Action
LED-2-INIT_FAILED	2-Critical	Video LED process initialization failed id [dec]	Initialization of the Video LED process failed. This is an internal software error.	ios-chassis	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. Search for resolved software issues using the Bug Toolkit at: http://www.cisco.com/cgi-bin/tabletools/bug_search . 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.
LED-2-INVALID_PSI_TYPE	2-Critical	Invalid PSI type, Led id [dec]	This is an internal software error.	ios-chassis	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. Search for resolved software issues using the Bug Toolkit at: http://www.cisco.com/cgi-bin/tabletools/bug_search . 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	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
LED-2-OUT_OF_CONTEXT_ERROR	2-Critical		LED Fell out of context loop, Led id [dec]	This is an internal software error.	iosxehostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. 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/act/tka/Opn or contact your Cisco technical support representative and provide the representative with the gathered information.
LED-2-RESOURCE_ALLOCATION	2-Critical		Failed to Allocate memory, Led id [dec]	This is an internal software error.	iosxehostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. 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/act/tka/Opn or contact your Cisco technical support representative and provide the representative with the gathered information.

Facility-Severity-Mnemonic	Severity	Message	Msg Explanation	Component	Recommended-Action
LED-2-TBLLIB_INIT_FAILED	2-Critical	Failed to init Table-based Lib, Led id [dec]	This is an internal software error.	ios-hostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. Search for resolved software issues using the Bug Toolkit at: http://www.cisco.com/cgi-bin/tablebug.pl 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.
LED-2-VDMAN_IPC_INIT_FAILED	2-Critical	Vidman IPC initialization failed id [dec]	Initialization of the Video LED process failed. This is an internal software error.	ios-hostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. Search for resolved software issues using the Bug Toolkit at: http://www.cisco.com/cgi-bin/tablebug.pl 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	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
LED-2-VIPC_INIT_FAILED	2-Critical		VIPC initialization failed id [dec]	Initialization of the Video LED process failed. This is an internal software error.	iosxehostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. 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/act/tka/opp or contact your Cisco technical support representative and provide the representative with the gathered information.
LED-2-VIPC_SEND_FAILURE	2-Critical		VIPC send failed, Led id [dec]	This is an internal software error.	iosxehostmgr	Retrieve and record the error message and other related information exactly as it appears on the console and/or the system log and IOS log. 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/act/tka/opp 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
LED-3-CONSOLE_SETUP_FAILED	3-Error		Failed to setup console service. It should be enabled on [chars]	Setup of a console service failed. This is a possible cBR8 provisioning error.	iosc-hostmgr	Check the host manager launch parameters and correct as required.
LED-3-LED_IPC_FLOW_CONTROL	3-Error		Flow control turned [chars] for VIPC port [dec], remote port [dec], remote slot [dec]	Flow control triggered on IPC link between LED and VDMAN.	iosc-hostmgr	Check the LED btrace logs
LED-3-VIDEO_SOURCE_CHANGE_FAILED	3-Error		Video Multicast Source Switch Failed. Error [dec], Source (0x%x, 0x%x), LED [dec]	Video Input Source failed to switch to the next sourcee.	iosc-hostmgr	Check the failed input source, and check for service impact
LISP_AGENT_MESSAGE-3-LISP_AGENT_DB_ERROR	3-Error		DB-Error: [chars]	An internal error occurred due to which unable to update the oper DB records	ewlc-wls-lsp	LOG_STD_ACTION
LISP_AGENT_MESSAGE-3-LISP_AGENT_MAP_REGISTER_FAILED	3-Error		Error: Failed to send [chars] to MAP Server for [chars]: %02x%02x%02x%02x%02x%02x	An internal error occurred due to which unable to send Map Register message to MAP server	ewlc-wls-lsp	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-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-spwif	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/unique address is needed to reach the LI host server	ewlc-spwif	If this message occurs, at least one IPv6 global address needs to be configured on the egress interface towards the LI host server.
LMLIB_RTU_LICENSE-1-AP_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.	iosse-fwdmgr	Purchase adder licenses to add to your existing permanent licenses.
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.	iosse-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.	iosse-fwdmgr	Purchase a permanent license.

Facility-Severity-Mnemonic	Sub-Mnemo	Message	Msg Explain	Component	Recommended-Action
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.	ios-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.	AC5760-K9 does not support the same licensing as AC5760-K9 . So an AC5760-K9 SKU is needed in the stack to support this licensing.	ios-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.	ios-fwdmgr	Enable RTU licensing with CLI: no license smart enable.
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.	ios-fwdmgr	Replace the license mismatch switch with a Catalyst 5760 SKU running valid AP License Count.

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
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.	iosse-fw-dmgr	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.	iosse-fw-dmgr	Reapply the configuration.
LMLIB_RTU_LICENSE-3-FILE_READ_ERR	3-Error	[chars]: License file read failed.	Failed to read the license file.	iosse-fw-dmgr	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.	iosse-fw-dmgr	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.	iosse-fw-dmgr	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.	iosse-fw-dmgr	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.	iosse-fw-dmgr	Fewer APs are supported.
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.	iosse-fw-dmgr	Request image license license if needed.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
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.
LMLIB_RTU_LICENSE-6-LIC_ACTVED	6-Information	[chars] license was already activated.	The license level was already activated.	iosxe-fwdmgr	Reboot the switch to invoke the activated license.

Facility-Severity-Mnemonic	Severity	Message	Message Plain	Component	Recommended-Action
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.	ios-e-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.	ios-e-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.	ios-e-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.	ios-e-fwdmgr	Purchase a permanent license level or activate another license level.
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.	ios-e-fwdmgr	Use 'license boot level' to configure a valid license level

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
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	Sev-Mnemo	Message	Msg-Explan	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	Sev-Mnemo	Message	Msg-Explan	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	Sev-Mnemo	Message	Msg-Explan	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	Sev	Msg	Message	Msg Explan	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 (or) 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 Explain	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	Sev	Msg	Message	Msg Explain	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	Sev-Mnemo	Message	Msg-Explan	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-shellmgr	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-smc	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-smc	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	Sev	Msg	Message	Msg Explan	Component	Recommended-Action
MCAST_ERROR_MESSAGE3MCAST_CLIENT_DATA_ERR	3-Error		Client %02%02%02%02%02%0X multicast data is NULL.	Internal multicast database client entry should contain multicast data when a multicast join request comes from below service layer	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_CLIENT_ENTRY_ERR	3-Error		Client %02%02%02%02%02%0X does not exist in internal database.	internal multicast database must contain the client entry when a multicast join request comes from below service layer	ewlc-multicast	LOG_STD_ACTION
MCAST_ERROR_MESSAGE3MCAST_CLNT_ENT_ERR	3-Error		(S,G) count is zero whereas multicast data of client %02%02%02%02%02%0X is not NULL	when client disassociates (S,G) count is zero but client's multicast entry is not NULL.	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	Severity	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>/<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], Disconnect reason : [chars]	AP disjoin information	mcg-ap	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MCG_APMGR_MESSAGE-5-AP_JOIN	5-Notice	AP Name : [chars], MAC : [chars], Session : [chars], PMTU : [dec], Data tunnel : [chars], MCG role : [chars]	AP Join information	mcg-ap	LOG_STD_NO_ACTION
MCG_APMGR_MESSAGE-5-AP_JOIN_FAIL	5-Notice	AP Name : [chars], MAC : [chars], Session : [chars], Disconnect reason : [chars]	AP join failure information	mcg-ap	LOG_STD_NO_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-bins	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.	ios/binutils	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.	ioscbinsults	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.	ioscbinsults	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.	ios/binutils	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	Severity	Message	Explanation	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.	iosbinutils	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.	iosbinutils	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-Mnemo	Message	Msg-Explan	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/ism/inf	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/ism/inf	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	Severity	Message	Msg Explain	Component	Recommended-Action
MEM_DIAGNOSE-3-OVERFLOW	3-Error	Memory is overflowed - fence(hdr:%p, foot:%p), dump memory: [chars]	Current memory is overflowed	ios-hostring	check the memory structure and operation
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

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MERAKI_MGRD-5-CURL_FETCH_ERR	5-Notice		Curl Fetch ERR: [chars]	Curl Fetch error message	polaris-aurora	No action is required
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

Facility-Severity-Mnemonic	Sev	Msg	Message	Msg Explain	Component	Recommended-Action
MERAKI_NCMD-5-NODE_TOKEN_STATE	5-Notice		Node Token State: [chars]	Node Token state change notification	polaris-aurora	No action is required
MESH_DB_TRACE_MESSAGE3EWLC_MESH_DB_EXEC_MSG	3-Error		%% Error: [chars]	Improper arguments or config	ioscbinutils	Arguments to be changed
MESH_DB_TRACE_MESSAGE6EWLC_MESH_DB_INFO_MSG	6-Information		%% Info: [chars]	Info level logs	ioscbinutils	No action required
MESH_TRACE_MESSAGE3EWLC_MESH_AP_DISCONNECT_MSG	3-Error		%% Error: [chars]	Failed to Disconnect AP for Mesh config changes	ioscbinutils	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	ioscbinutils	Reboot the AP for the mesh configs to be applied
MESH_TRACE_MESSAGE3EWLC_MESH_EXEC_MSG	3-Error		%% Error: [chars]	Improper arguments or config	ioscbinutils	Arguments to be changed
MESH_TRACE_MESSAGE3EWLC_MESH_ROLE_CHANGE_MSG	3-Error		%% Error: [chars]	Mesh profile change for AP did not get Applied	ioscbinutils	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	ioscbinutils	Configure DCA interval to a 10min period to make sure that the algorithm will run

Facility-Severity-Mnemonic	Severity	Message	MsgID	Component	Recommended-Action
MM_LOG-3-MIP_READ_ERROR	3-Error	[chars]. Encountered memory error, please report the error if you experience a crash.	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_ALLOCATE_ERROR	3-Error	%02x%02x%02x%02x%02x%02x Cannot allocate [chars] for [chars]	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_BUILD_ERROR	3-Error	%02x%02x%02x%02x%02x%02x Cannot build [chars] for [chars]. Reason: [chars]	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_BUILD_GENERAL_ERROR	3-Error	%02x%02x%02x%02x%02x%02x Failed to build [chars]: [chars]	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_ENCODE_ERROR	3-Error	%02x%02x%02x%02x%02x%02x cannot encode mobility payload/s for [chars]. Reason: [chars]	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_PROCESS_ERROR	3-Error	%02x%02x%02x%02x%02x%02x Cannot process [chars] for [chars]. Reason: [chars]	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_PAYLOAD_RECEIVE_ERROR	3-Error	%02x%02x%02x%02x%02x%02x [chars] received is missing payload [chars]	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_LOG-3-MSG_TIMER_ERROR	3-Error	[chars] Timer: [chars]	ICMPSSR	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: %02x%02x%02x%02x%02x%02x Error: [chars]	Export anchor required: received export anchor deny	ewlc-guest	If this message occurs, depending on the error code appropriate action is required.

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MM_LOG-4-RETRIES_FAILED	4-Warning	MAC: %02%02%02%02%02%02% 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: %02%02%02%02%02%02% [chars]	Anchor has detected a protocol issue and recovered.	ewlc-guest	LOG_STD_NO_ACTION
MM_LOG-6-MAX_CLIENTS_PER_WLAN_REACHED	6-Information	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	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	Export Anchor not responding, back off condition set (Client MAC: %02%02%02%02%02%02% AnchorIP: [chars])	EXPORT ANCHOR FULL	ewlc-guest	LOG_STD_NO_ACTION
MM_LOG-6-WLAN_CLIENT_LIMIT	6-Information	Client limit reached on [chars]. Denied client mac: %02%02%02%02%02%02% [chars]	Client limit reached on wlan on anchor.	ewlc-mobility	LOG_STD_ACTION

Facility-Severity-Mnemonic	Sev-Mnemo	Message	Msg-Explan	Component	Recommended-Action
MM_LOG-7-EXPORT_ANCHORS_DOWN	7-Debug	MM_LOG-7-EXPORT_ANCHORS_DOWN 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	The payload size has exceeded the limit. [chars]	Available buffer cannot hold IPV6 NDP pkt payload.	ewlc-mobility	LOG_STD_NO_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]	ICEPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-BUFF_DEALLOC_FAILED	3-Error	Failed to deallocate memory for [chars]	ICEPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION

Facility-Severity-Mnemonic	Severity	Message	MsgID	Component	Recommended-Action
MM_NODE_LOG-3-INTFCHANGE_REGISTER_FAILED	3-Error	Failed to register callback for interface changes	ICMPSSR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-3-INVALID_NONCE_RECVD	3-Error	Received an invalid Nonce-update from [chars]. [chars].	ICMPSSR	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.	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_ACTION
MM_NODE_LOG-3-INVALID_PMKUPD_RECVD	3-Error	Received an invalid PMK-update from [chars]. [chars].	ICMPSSR	ewlc-mobility	LOG_STD_RECUR_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]	ICMPSSR	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

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-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
MM_NODE_LOG-3-SOCK_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_LOG-3-SOCK_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

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
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 (%02%02%02%02%02%02)	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
MM_NODE_LOG-4-HB_MEMBER_ADD_BY_IP_ERROR	4-Warning	Error adding Mobility member to heartbeat list (IP: [chars])	ICMP_SRR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4-HB_MEMBER_ADD_ERROR	4-Warning	Error adding Mobility member to heartbeat list (MAC: %02%02%02%02%02%02, IP: [chars])	ICMP_SRR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4-HB_MEMBER_DELETE_BY_IP_ERROR	4-Warning	Error deleting Mobility member from heartbeat list (IP: [chars])	ICMP_SRR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4-HB_MEMBER_DELETE_ERROR	4-Warning	Error deleting Mobility member from heartbeat list (MAC: %02%02%02%02%02%02, IP: [chars])	ICMP_SRR	ewlc-mobility	LOG_STD_ACTION
MM_NODE_LOG-4-HB_HEARTBEAT_LIST_MEMBER_UPDATE_ERROR	4-Warning	Error updating Mobility member IP in heartbeat list (MAC: %02%02%02%02%02%02, oldIP: [chars], newIP: [chars])	ICMP_SRR	ewlc-mobility	LOG_STD_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Path	Component	Recommended-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_STD_RECUR_ACTION
MM_NODE_LOG-4-PMTU_SET_FAILED	4-Warning	Failed to set path MTU to fast path for peer IP: [chars]	ICMP error	ewlc-mobility	LOG_STD_RECUR_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])	ICMP error	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-MEMBER_ADDED	6-Information	Adding Mobility member (IP: [chars]: [chars])	ICMP error	ewlc-mobility	LOG_STD_NO_ACTION
MM_NODE_LOG-6-MEMBER_DELETED	6-Information	Deleting Mobility member (IP: [chars])	ICMP error	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])	ICMP error	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])	ICMP error	ewlc-guest	LOG_STD_NO_ACTION

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
MM_NODE_LOG-6-PING_RECEIVER_ENTRY_DELETED	6-Information	Deleted ping receiver entry ([chars]) from heartbeat list for WLAN ([dec])	ICMPSSO	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-Id	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]	<p>A failed attempt to change running configuration was made via one of the model-based interfaces</p> <p>NOT A COMMIT</p> <p>Configuration was successfully validated by the feature during the validation phase of the transaction but failed during the commit phase</p>	ddmi-infra	Check the device configuration. Collect device logs. Reinitialize the model-based component

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	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 SCDM 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 SCDM	ddmi-infra	Informational only. No action required.

Facility-Severity-Mnemonic	Severity	Message	Message Explanation	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 CONFIG	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\$llu to %3\$llu, 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	Msg Explain	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.	Calander 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.	Calander profile timer event callback handling error	ewlc-ap	If this message occurs, it implies that a calander 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.	iosse-fw-dmgr	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.	iosse-fw-dmgr	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	iosse-fw-dmgr	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	iosse-fw-dmgr	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.	iosse-fw-dmgr	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.	iosse-fw-dmgr	No action is required

Facility-Severity-Mnemonic	Severity	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.	iosxe-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.	iosxe-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.	iosxe-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.	iosxe-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.	iosxe-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Explanation	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.	iosc-fwdmgr	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.	iosc-fwdmgr	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.	iosc-fwdmgr	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_XXD) Refer to comment for details.	iosc-hsimg	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	iosc-hsimg	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_XXD) is unavailable.	iosc-hsimg	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 Explanation	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]\n	Switch detected availability or unavailability of Dual Active Detection ports.	ios-e-ldmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	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.	iosx-fwdmgr	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.	iosx-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
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.	iosx-fwdmgr	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.	iosx-fwdmgr	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.	iosx-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Explanation	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.	iosse-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.	iosse-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.	iosse-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	iosse-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.	iosse-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Msg Explain	Component	Recommended-Action
NODE_HDLR-6-ACTIVE_READY	6-Information	Active [chars] [dec] is ready.\n	The active switch is ready.	iosxe-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.	iosxe-fwdmgr	No action is required
NODE_HDLR-6-CHASSIS_READY	6-Information	[chars] [dec] is ready.\n	The specified chassis is ready.	iosxe-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.	iosxe-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.	iosxe-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.	iosxe-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.	iosxe-fwdmgr	No action is required

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
NODE_HDLR-6-KA_MISSED	6-Information	Keepalive missed for [dec] times for [chars] [dec] \n	Chassis has been removed due to the keepalive failure.	iosxfwdmgr	No action is required
NODE_HDLR-6-STACK_LINK_CHANGE	6-Information	Stack port [dec] on [chars] [dec] is [chars]\n	The specified stack port has changed status.	iosxfwdmgr	No action is required
NODE_HDLR-6-STANDBY_ELECTED	6-Information	[chars] [dec] has been elected STANDBY.\n	The specified switch has been elected standby.	iosxfwdmgr	No action is required
NODE_HDLR-6-SWITCH_READY	6-Information	[chars] [dec] is ready.\n	The specified switch is ready.	iosxfwdmgr	No action is required
NPI_L3TUNNEL_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.
NPU_PDSF-2-STACK_LINK_MONITOR	2-Critical	NPU2STACKLINK[dec] \n	Stack port mac params is not as expected	INVALID	Try doing stack cable oir or replace the stack cable or try doing PRBS testing

Facility-Severity-Mnemonic	Sub-Msg	Message	Msg-Explan	Component	Recommended-Action
ODMSRVRERRGCDMTABLEFCISIRDBNOTCONG	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
ODMSRVRERRGCDMTABLEFCISIRTABLENOTCONG	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 Explanation	Component	Recommended-Action
ODM-3-ERR-ODM-TABLE-CONFIG-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	Msg Explain	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	Severity	Message	Message	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.	iosetools	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.	iosetools	The system has exhausted all available memory and stable operation is no longer possible.

P to T

Facility-Severity-Mnemonic	Facility	Severity	Message	Message	Component
PA/PCOE/IS/ERR/ID	PA/PCOE/IS/ERR/ID	3-Error	Error setting user in application environment [chars]	The user has successfully added but the user information could not be saved to the application environment. The user session will not proceed.	iosetools
PA/PCOE/IS/ERR/ID	PA/PCOE/IS/ERR/ID	3-Error	Error setting user in application environment [chars]	The user has successfully added but the user information could not be saved to the application environment. The user session will not proceed.	iosetools

U to Z

Facility-Severity-Mnemonic	Severity	Message	Message	Component	Recommended-Action
UBD-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.
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.

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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