



## HMAN through IRECAGENTSERVER

---

- [HMAN through HW\\_FLOWDB](#), on page 1
- [HW\\_IDPROM\\_ENVMON through IFDAMP](#), on page 15
- [IFMAP through INSTALL](#), on page 30
- [INTERCHASSIS\\_REDUNDANCY through IOSXE\\_FMANRP](#), on page 56
- [IOSXE\\_FMANRP\\_ADJ through IOSXE\\_INFRA](#), on page 74
- [IOSXE\\_MEMPOOL\\_MIB through IOSXE\\_RP\\_IF\\_FLOW\\_IDS](#), on page 97
- [IOSXE\\_RP\\_MGMTE through IOSXE\\_UTD](#), on page 129
- [IOSXE\\_VMAN through IPC\\_LOG](#), on page 159
- [IPC\\_TEST through IPV6\\_ACL](#), on page 175
- [IPV6\\_ADDRESS through IRECAGENTSERVER](#), on page 202

## HMAN through HW\_FLOWDB

- [HMAN](#)
- [HMAN\\_CPU](#)
- [HPI](#)
- [HSRP](#)
- [HTSP](#)
- [HTTP](#)
- [HTTPC](#)
- [HUNTGRP](#)
- [HW\\_API](#)
- [HW\\_FLOWDB](#)

### HMAN

---

**%HMAN-3-CONSOLE\_SETUP\_FAILED : Failed to setup console service. It should be enabled on [chars]**

---

**Explanation** Setup of a console service failed.

---

**%HMAN-3-CONSOLE\_SETUP\_FAILED : Failed to setup console service. It should be enabled on [chars]**

**Recommended Action**      Check the host manager launch parameters and correct as required.

---



---

**%HMAN-3-HOSTNAME\_SET\_FAILED : Failed to set hostname: [chars]**

**Explanation**              The host manager received notification that the system hostname has been set. The host manager failed to pass this value to the ASR kernel.

**Recommended Action**      Repeat the process to configure the hostname. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <https://bst.cloudapps.cisco.com/bugsearch/>. If you still require assistance, open a case with the Technical Assistance Center via the Internet at <https://mycase.cloudapps.cisco.com/case>, or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HMAN-2-INITIALIZATION\_FAILED : Host Manager initialization failed.**

**Explanation**              Initialization of the host manager failed.

**Recommended Action**      Review Host Manager logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <https://bst.cloudapps.cisco.com/bugsearch/>. If you still require assistance, open a case with the Technical Assistance Center via the Internet at <https://mycase.cloudapps.cisco.com/case>, or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**HMAN\_CPU**

---

**%HMAN\_CPU-3-PAGE\_FAULT\_HIGH : CPU Usage due to Memory Pressure exceeds threshold on [chars]. Below are the top 5 memory consuming processes: [chars] (PID=[dec] RSS=[dec] MB),**

**Explanation**              When CPU usage due to Major Page Fault exceeds a pre-defined threshold for a CPU core, this error message is emitted.

**Recommended Action**      No action is needed if system continues to perform as expected. If sytem performance deteriorate (and eventually, system reloads due to unspecified reason) around the time when this message is observed, open a case with the Technical Assistance Center via the following Internet link, or contact your Cisco technical support representative: <https://mycase.cloudapps.cisco.com/case>

---

## HPI

**%HPI-3-FAILED\_START : channel:[chars] DSP ID:[hex], failed mode [dec] for service [dec]**

<b>Explanation</b>	Failed to start DSP services
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HPI-3-INVALID\_PAYLOAD : wrong payload size, channel:[chars] DSP ID:[hex], failed mode [dec] for service [dec]**

<b>Explanation</b>	Failed to start DSP services
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HPI-3-CODEC\_NOT\_LOADED : channel:[chars] DSP ID:[hex], command failed as codec not loaded [dec]**

<b>Explanation</b>	Sending messages to DSP without a loaded codec can result with the DSP failing
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HPI-4-INVALID\_CODEC\_LOAD : channel:[chars] DSP ID:[hex], invalid hpi mode [dec] for loading codec [dec]**

<b>Explanation</b>	Attempt to load codec when the DSP is in an invalid mode which can result with DSP failure
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HPI-4-NO\_CLOSE : channel:[chars] DSP ID:[hex]**

<b>Explanation</b>	Attempt to release DSP without sending close message
--------------------	--

---

**%HPI-4-NO\_CLOSE : channel:[chars] DSP ID:[hex]**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HPI-4-INVALID\_ECAN\_TYPE : [chars] ECAN is not available in voice-card [dec], [chars] ECAN will be used**

**Explanation** All voice cards participated in DSPFarm must have the same echo canceller type

**Recommended Action** Make sure all voice cards participated in DSPFarm have the same echo canceller type configured

---



---

**%HPI-3-GSMAMRNB\_LICENSE\_NOT\_ACTIVATED :**

\*\*\*\*\* GSM AMR-NB License is not yet activated.  
**Please configure 'license feature gsmamrnb-codec-pack' and accept the EULA to activate the license.**  
 \*\*\*\*\*

**Explanation** Failed to start DSP services for GSM AMR-NB codec

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HPI-6-SRTP\_EVAL\_LIMIT : The SRTP bandwidth and tunnels usage exceed the license limits**

**Explanation** The SRTP bandwidth and tunnels exceed the license limits

**Recommended Action** No action is required.

---



---

**%HPI-3-SRTP\_EVAL\_FREE\_ERROR : Error encountered on release SRTP bandwidth and tunnels reservation**

**Explanation** Error encountered on release SRTP bandwidth and tunnels

**Recommended Action** No action is required.

---



---

**%HPI-3-NACK\_HIGH : DSP to IOS Nack message with severity [chars] [chars] [chars]**

**Explanation** DSP to IOS Nack message with high severity

---

---

**%HPI-3-NACK\_HIGH : DSP to IOS Nack message with severity [chars] [chars] [chars]**

**Recommended Action** Check the NACKed message's parameters for configuration errors. These messages tend to affect call flow, thus they are labeled with high severity.

---



---

**%HPI-4-NACK\_MED : DSP to IOS Nack message with severity [chars] [chars] [chars]**

**Explanation** DSP to IOS Nack message with medium severity

**Recommended Action** Check the NACKed message's parameters for minor configuration errors.

---



---

**%HPI-6-NACK\_LOW : DSP to IOS Nack message with severity [chars] [chars] [chars]**

**Explanation** DSP to IOS Nack message with low severity

**Recommended Action** Information only, displaying NACKed messages that are for debugging purposes.

---



---

**%HPI-6-NACK : DSP to IOS Nack message [chars] [chars]**

**Explanation** DSP to IOS Nack message with no severity in order to work with dspware without Nack severity implementation

**Recommended Action** Information only, displaying NACKed messages.

---

**HSRP**

---

**%HSRP-3-NOSOCKET : Unable to open socket**

**Explanation** The system was unable to initialize an IP connection for the Hot Standby protocol.

**Recommended Action** Make sure that there is at least one interface configured to run IP.

---



---

**%HSRP-4-BDAUTH : Bad authentication from [chars], group [dec], remote state [chars]**

**Explanation** Two routers participating in HSRP disagree on the valid authentication string.

**Recommended Action** Use the standby authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

---

---

**%HSRP-4-BADAUTH2 : Bad authentication from [chars]**

---

<b>Explanation</b>	Two routers participating in HSRP disagree on the valid authentication string.
<b>Recommended Action</b>	Use the standby authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

---



---

**%HSRP-3-MISCONFIG : Attempt to change [chars] MAC address to [enet] when DECNET already running**

---

<b>Explanation</b>	An HSRP group attempted to become active on an interface that can only support a single MAC address and which is running DECnet. If standby use-bia is not configured then HSRP would normally set the interface MAC address to the HSRP virtual MAC address, but this is not allowed if DECnet is running.
<b>Recommended Action</b>	Enable standby use-bia on the interface.

---



---

**%HSRP-5-STATECHANGE : [chars] Grp [dec] state [chars] -> [chars]**

---

<b>Explanation</b>	The router has changed state
<b>Recommended Action</b>	No action is required.

---



---

**%HSRP-4-DUPADDR : Duplicate address [chars] on [chars], sourced by [enet]**

---

<b>Explanation</b>	The IP address in an HSRP message received on the specified interface is the same as the IP address of the router. Another router might be configured with the same IP address. The most likely cause is a network loop or a misconfigured switch that is causing the router to see its own HSRP Hello messages.
<b>Recommended Action</b>	Check the configurations on all the HSRP routers to ensure that the interface IP addresses are unique. Check that no network loops exist. If port channels are configured check that the switch is correctly configured for port-channels. Enable standby use-bia so that the error message displays the interface MAC address of the sending router. This can be used to determine if the error message is caused by a misconfigured router or a network loop.

---



---

**%HSRP-4-DUPVIP1 : [chars] Grp [dec] address [chars] is already assigned to [chars] group [dec]**

---

<b>Explanation</b>	The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to a different HSRP group.
<b>Recommended Action</b>	Check the configuration on all HSRP routers and ensure that the virtual IP address of each HSRP group is unique.

---

---

**%HSRP-4-DUPVIP2 : [chars] Grp [dec] address [chars] is already assigned on this interface**

---

<b>Explanation</b>	The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.
<b>Recommended Action</b>	Check the configuration on all HSRP routers and ensure that the virtual IP address of each HSRP group is unique.

---



---

**%HSRP-4-DUPVIP3 : [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on another interface or application**

---

<b>Explanation</b>	The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to, or overlaps with, an address on another interface or application.
<b>Recommended Action</b>	Check the configuration on all HSRP routers and ensure that the virtual IP address of each HSRP group is unique.

---



---

**%HSRP-4-BADVIP : [chars] Grp [dec] address [chars] is in the wrong subnet for this interface**

---

<b>Explanation</b>	The HSRP virtual IP address contained in the Hello message cannot be learnt as it is not within a subnet configured on the interface.
<b>Recommended Action</b>	Check the configuration on all HSRP routers and ensure that the virtual IP address is within a configured subnet.

---



---

**%HSRP-4-DIFFVIP1 : [chars] Grp [dec] active routers virtual IP address [chars] is different to the locally configured address [chars]**

---

<b>Explanation</b>	The HSRP virtual IP address contained in the Hello message from the Active router is different from the virtual IP address configured locally.
<b>Recommended Action</b>	Check the configuration on all HSRP routers in the group and ensure they are all configured with the same virtual IP address.

---

**HTSP**

---

**%HTSP-3-NOEVENT : no free event structure available from [chars] for DSP message**

---

<b>Explanation</b>	There were no event structures remaining in the system pools to alert the router of a voice or signaling event.
<b>Recommended Action</b>	Check that the voice port for which the event was reported is still operational. If not, clear the voice port.

---

---

**%HTSP-3-CAPABILITYMISMATCH : voice port [chars]: call connection id [[hex] [hex] [hex] [hex]]**

---

**Explanation**            There was a capabilities mismatch between the two call legs. capabilities are negotiated between call legs for CODEC, VAD and FAX rate.

**Recommended Action**    Check that the dial peer configuration is appropriate for the interface in question. Also check that and configuration on the interface is correct.

---



---

**%HTSP-3-DSPALARM : voice port [chars]: status=[hex] message=[hex] text=[chars]**

---

**Explanation**            The DSP reported a fatal error. All calls on the DSP were dropped and a DSP reload was attempted.

**Recommended Action**    Verify that the DSP reloaded properly by attempting to place a call on the affected voice port. Contact your technical support representative, include the full text of the error message.

---



---

**%HTSP-3-TRUNKNOTSUPPORTED : voice port [chars]: Ground Start trunking not supported**

---

**Explanation**            This voice port does not support the 'connection trunk' command when ground start signaling is configured. Trunking mode on this voice is supported when using loop start signaling.

**Recommended Action**    Shut down the voice port, remove the 'connection trunk' and/or 'signal groundStart' command from the voice port configuration, and unshut the voice port.

---



---

**%HTSP-5-UPDOWN : Trunk port(channel) [[chars]] is [chars]**

---

**Explanation**            Trunk port:channel changed state.

**Recommended Action**    No action is required.

---



---

**%HTSP-3-CADENCENOTSUPPORTED : voice port [chars]: ring cadence not suitable for caller id. on\_time\_first=[dec] off\_time\_first=[dec] on\_time\_second=[dec] off\_time\_second=[dec]**

---

**Explanation**            Ring off period is not sufficient for caller id transmission. If caller id transmission during ring is configured make sure that the ring off duration is long enough.

**Recommended Action**    If caller id transmission during ring is configured make sure that the ring off duration is long enough. Make sure that the cptone setting and caller-id alerting settings are correct.

---



---

**%HTSP-5-VPM\_BUSYOUT : voice port [chars]: [chars] busyout**

---

**Explanation**            voice port busyout status changed

---



**%HTSP-5-VPM\_BUSYOUT : voice port [chars]: [chars] busyout**

<b>Recommended Action</b>	use SHOW VOICE BUSYOUT to find out the reason why voice port busyout monitoring is triggered
---------------------------	--

**%HTSP-5-VPM\_PCM\_CAPTURE : User trigger PCM capture is [chars] on voice port [chars]**

<b>Explanation</b>	User trigger PCM capture is enabled or disable on this voice port
--------------------	---

<b>Recommended Action</b>	This is just for information only
---------------------------	-----------------------------------

**%HTSP-5-VPM\_CABLE\_STAT : voice port [chars]: cable [chars]**

<b>Explanation</b>	Cable for analog voice port is reconnected or removed
--------------------	---

<b>Recommended Action</b>	Check the cable connection for this analog voice port
---------------------------	---

**HTTP****%HTTP-3-PROC\_NOCREAT : Unable to create HTTP process.**

<b>Explanation</b>	An error occurred during initialization of the HTTP process. The HTTP process that processes all HTTP requests and responses could not be created.
--------------------	--

<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.
---------------------------	---

**%HTTP-4-SERVER\_CONN\_RATE\_EXCEED : Number of connections per minute has exceeded the maximum limit([dec]) as specified by the platform.**

<b>Explanation</b>	The message indicates that the current number of connections requested per minute has exceeded the limit specified by the platform. HTTP server will resume accepting the connections 15 seconds from the time the message is issued. This restriction is done as per the HTTP throttling functionality.
--------------------	--

<b>Recommended Action</b>	Reduce connection rate to the server.
---------------------------	---------------------------------------

**%HTTP-3-OUTOF\_MEM : HTTP out of memory.**

<b>Explanation</b>	An error occurred during initialization of the HTTP process. The HTTP process could not create crucial internal data structures that are required for operation of the HTTP subsystem. The most likely reason for this condition is an exhaustion of system memory.
--------------------	---

---

**%HTTP-3-OUTOF\_MEM : HTTP out of memory.**

**Recommended Action**      Reduce other system activity to ease memory demands. if conditions warrant, upgrade to a larger memory configuration.

---



---

**%HTTP-3-INIT\_FAIL : HTTP Process Init failed.**

**Explanation**            Initialization of the HTTP Subsystem has failed

**Recommended Action**      Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

---



---

**%HTTP-6-SERVER\_SETUP\_FAILED : Server setup failed**

**Explanation**            Setup of the HTTP(S) server to listen on the specified port number has failed.

**Recommended Action**      Disable the server, verify that port number is correct and enable the server. Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

---

**HTTPC**

---

**%HTTPC-3-PROC\_NOCREAT : Unable to create HTTP Client process.**

**Explanation**

**Recommended Action**

---



---

**%HTTPC-3-OUTOF\_MEM : HTTP Client out of memory.**

**Explanation**

**Recommended Action**

---



---

**%HTTPC-3-CACHE\_MEM : HTTP Client Cache Init out of memory.**

**Explanation**

**Recommended Action**

---

---

**%HTTPC-3-INIT\_FAIL : HTTP Client Process Init failed.**

---

**Explanation**

**Recommended  
Action**

---



---

**%HTTPC-3-OUTOF\_SYNC : HTTP Client header tables out of sync.**

---

**Explanation**

**Recommended  
Action**

---



---

**%HTTPC-6-CONNECT\_FAILED : The connection to server [IP\_address] failed**

---

**Explanation**

**Recommended  
Action**

---



---

**%HTTPC-3-RECEIVE SOCK\_READ\_EVENT\_WHILE\_DISABLED : Received socket read event while read interest is disabled callID([dec]) fd([dec]) - closing socket.**

---

**Explanation**            The HTTP Client is receiving the socket READ event while the READ interest is being disabled. Something has gone wrong between the http client and the socket interfaced.

**Recommended  
Action**                 Record the error and report it to the system administrator.

---



---

**%HTTPC-3-CONNECT\_NULL : NULL connection structure for fd([dec]) - closing socket.**

---

**Explanation**            The HTTP Client is receiving the socket READ event but it fails to locate the connection structure for this file descriptor(fd). If this is seen continuously in a loop, it is an indication that something has gone wrong in the socket code. Since the socket is immediately closed after this event, the HTTP client should stop seeing READ event.

**Recommended  
Action**                 Record the error and traceback and report it to the system administrator.

---



---

**%HTTPC-6-REQUEST\_FAILED : request URI [chars] failed**

---

**Explanation**

**Recommended  
Action**

---

---

**%HTTPC-6-CLOSE\_SRV\_CONNECT : The connection to server [IP\_address] appears to be hung and will be closed.**

---

**Explanation** Messages are being backed up in the HTTP Client's write queue in the connection with the specified server. The connection is assumed to have gone bad and the HTTP Client is closing the connection.

**Recommended Action** Check with the specified server for possible connection error.

---



---

**%HTTPC-3-COOKIE\_MEM : HTTP Client runs out of allowable memory to store cookies.**

---

**Explanation** The total memory allocated for storing cookies has run out. All cookies received from the HTTP server will be dropped. Users may no longer be able to interact with a session-based origin server until memory is freed up.

**Recommended Action** Users may want to try their requests at a later time or contact the system administrator to increase the maximum RAM allowed for saving HTTP cookies.

---

## HUNTGRP

---

**%HUNTGRP-3-INVALID\_URL : Could not open the file provided in URL: <[chars]>**

---

**Explanation** URL path provided can't be accessed. This usually indicates that path provided is invalid but may also be because the the path doesn't allow anonymous access to create files or open it in write mode

**Recommended Action** Check that the url path provided is valid

---



---

**%HUNTGRP-3-WRITE\_FAIL : Could not write data to the URL: <[chars]>t%%bytes written=[dec] out of [dec]**

---

**Explanation** Write attempt to the url path provided was unsuccessful. This usually indicates that the file was successfully opened with write and append permissions but writing all the content from buffer or may be some of it to the file failed.

**Recommended Action**

---

## HW\_API

---

**%HW\_API-3-RESILIENCE\_NO\_HANDLER : No handlers in place for [chars] sw object creation failure.**

---

**Explanation** COMMON\_HW\_API\_INTERNAL\_ERROR

**%HW\_API-3-RESILIENCE\_NO\_HANDLER : No handlers in place for [chars] sw object creation failure.**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%HW\_API-3-INVALID\_OBJ : Invalid object [hex]**

<b>Explanation</b>	HW_API_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HW\_API-3-INVALID\_TYPE : Invalid type [dec]**

<b>Explanation</b>	HW_API_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HW\_API-3-INVALID\_WALK\_SPEC : Invalid walk spec [hex]**

<b>Explanation</b>	HW_API_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HW\_API-3-WALK\_MODE\_UNSUPPORTED : Walk mode '[chars]' unsupported**

<b>Explanation</b>	HW_API_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%HW\_API-3-INVALID\_CONTEXT : Invalid context [hex]**

---

**Explanation** HW\_API\_INTERNAL\_ERROR

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_API-3-BACKWALK\_REQUEST : Backwalk request failed, [chars]**

---

**Explanation** A request to walk internal data structures has failed. Depending on criticality of the data, accuracy of forwarding may impacted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_API-3-BACKWALK\_REQUEST\_VALUE : Backwalk request failed, [chars] ([hex])**

---

**Explanation** A request to walk internal data structures has failed. Depending on criticality of the data, accuracy of forwarding may impacted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_API-3-VECTOR : Failed to set [chars] vector for [chars], [chars]**

---

**Explanation** HW\_API\_INTERNAL\_ERROR

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_API-3-NO\_OBJ\_TYPE\_LIST\_ENTRY : Invalid sw\_obj\_type ([dec]) used with obj\_type\_list**

---

**Explanation** HW\_API\_INTERNAL\_ERROR

---

**%HW\_API-3-NO\_OBJ\_TYPE\_LIST\_ENTRY : Invalid sw\_obj\_type ([dec]) used with obj\_type\_list**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%HW\_API-3-NO\_OBJ\_TYPE\_LIST\_ENTRY2 : Invalid sw\_obj\_link\_type ([dec]) used with obj\_type\_list**

<b>Explanation</b>	HW_API_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%HW\_API-3-INIT\_FAIL : HW-API init [chars] failed[chars]**

<b>Explanation</b>	HW_API_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**HW\_FLOWDB****%HW\_FLOWDB-3-HW\_FLOWDB\_OOM : FlowDB memory usage exceeded 95[int]sage. OOM condition can occur.**

<b>Explanation</b>	FlowDB running low on memory. Out-of-memory condition can occur
<b>Recommended Action</b>	Check sw-distrib for actual utilization of FlowDB memory

## HW\_IDPROM\_ENVMON through IFDAMP

- [HW\\_IDPROM\\_ENVMON](#)
- [HW\\_PFU](#)
- [ICC](#)

- IDBMAN
- IDB\_IDENTITY
- IDB\_SGI
- IDMGR
- IEDGE
- IF
- IFDAMP

## HW\_IDPROM\_ENVMON

---

**%HW\_IDPROM\_ENVMON-3-HW\_IDPROM\_FIELD\_INVALID : The idprom contains an invalid environmental monitoring field.**

---

<b>Explanation</b>	If this error occurs then parsing of the environmental monitoring data is aborted. Environmental monitoring will be either incomplete or absent entirely.
<b>Recommended Action</b>	If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_IDPROM\_ENVMON-3-HW\_IDPROM\_CHECKSUM\_INVALID : The idprom contains an invalid checksum in a sensor entry. Expected: [hex], calculated: [hex]**

---

<b>Explanation</b>	If this error occurs then parsing of the environmental monitoring data is aborted. Environmental monitoring will be either incomplete or absent entirely.
<b>Recommended Action</b>	If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_IDPROM\_ENVMON-2-ACT2\_UDI\_DATA\_INVALID : The act2 udi secure area format mismatch with unsecure area**

---

<b>Explanation</b>	This Router may not have been manufactured by Cisco or with Cisco's authorization. This product may contain software that was copied in violation of Cisco's license terms. If your use of this product is the cause of a support issue, Cisco may deny operation of the product, support under your warranty or under a Cisco technical support program such as Smartnet. Please contact Cisco's Technical Assistance Center for more information.
--------------------	---



---

**%HW\_IDPROM\_ENVMON-2-ACT2\_UDI\_DATA\_INVALID : The act2 udi secure area format mismatch with unsecure area**

**Recommended Action** If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_IDPROM\_ENVMON-3-PS\_IDPROM\_INVALID\_PID : [chars] in slot PFU[dec] has INVALID PID [chars] and it needs to be replaced immediately**

**Explanation** The PID read from the PEM IDPROM is not supported in this hardware configuration. It will be allowed to continue but immediate replacement is required

**Recommended Action** If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**HW\_PFU**

---

**%HW\_PFU-3-PFU\_IDPROM\_READ\_ERR : Could not read the PEM/FM idprom in slot P[dec].The system will run without environmental monitoring for this component**

**Explanation** The idprom contains information required in order to properly operate the environmental monitoring subsystems. The idprom could not be read, therefore no monitoring will take place.

**Recommended Action** If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_PFU-3-PFU\_IDPROM\_CORRUPT : The PEM/FM idprom could be read, but is corrupt in slot P[dec] The system will run without environmental monitoring for this component**

**Explanation** The idprom contains information required in order to properly operate the environmental monitoring subsystems. The idprom could not be read, therefore no monitoring will take place.

---

**%HW\_PFU-3-PFU\_IDPROM\_CORRUPT : The PEM/FM idprom could be read, but is corrupt in slot P[dec] The system will run without environmental monitoring for this component**

**Recommended Action** If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%HW\_PFU-3-PFU\_IDPROM\_INVALID\_PID : The PEM/FM idprom has invalid PID in slot PFU[dec] The system will run without environmental monitoring for this component**

**Explanation** The idprom contains PID information required in order to properly operate the environmental monitoring subsystems. The idprom PID is invalid, therefore no monitoring will take place.

**Recommended Action** If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

## ICC

---

**%ICC-2-NOMEM : No memory available for [chars]**

**Explanation** The ICC subsystem could not obtain the memory it needed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%ICC-4-CONSISTENCY : Internal consistency check: [chars]**

**Explanation** An internal inconsistency was found in some ICC data structures.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%ICC-4-COMM : Communication failure occurred while [chars]**

---

**Explanation****Recommended  
Action**

---

---

**%ICC-4-BAD\_ACCOUNTING : ICC received a bad class [dec]**

---

**Explanation** A communication failure has occurred between this card and another card in the system.**Recommended  
Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%ICC-4-HEARTBEAT : Card [dec] failed to respond to heartbeat**

---

**Explanation** A communication failure has occurred between the primary and the specified line card.**Recommended  
Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%ICC-5-WATERMARK : [dec] [chars] [chars] pkts for class [chars] are waiting to be processed**

---

**Explanation** Processor got packets for the class and are waiting to be processed**Recommended  
Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%ICC-2-OPEN : ICC Create Session Failed for card <[hex]> Queue <[chars]>**

---

**Explanation** ICC was not able to create a session for the destination seat

---

**%ICC-2-OPEN : ICC Create Session Failed for card <[hex]> Queue <[chars]>**

**Recommended Action** collect output from 'show oir debug swover\_global\_mask' from SP

---

---

**%ICC-2-JOIN : ICC mcast joining failed member <[hex]> to group <[hex]> with ipc error <[chars]>**

**Explanation** ICC was not able to join a member for the mcast group

**Recommended Action** collect output 'show icc mcast status' from RP

---

---

**%ICC-5-HUGE\_BUFFER : Class [[chars]] with Request id [dec] requested a huge buffer of Size [dec].**

**Explanation** Huge packet requests would deplete the memory at the linecards

**Recommended Action** ICC client is trying to request huge packet buffer Please use the command Show icc internal to get the traceback and file a DDTS against the component

---

---

**%ICC-3-MAST\_BAD\_FREE : ICC multicast memory already freed**

**Explanation** One of the ICC multicast request's memory was found to be free when response arrived

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IDBMAN**

---

**%IDBMAN-3-VLANINUSE : [chars]: Vlan [dec] is in use by [chars]**

**Explanation** Each L3 interface has a Vlan associated with it. This message indicates that the Vlan associated with the interface is being used by some other L3 Interface, which is not anticipated to happen

**Recommended Action** No action is required.

---

---

**%IDBMAN-3-INVALIDVLAN : [chars]: trying to use invalid Vlan [dec]**

**Explanation** There is an internal error that caused an invalid Vlan to be used by the software.

---

**%IDBMAN-3-INVALIDVLAN : [chars]: trying to use invalid Vlan [dec]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IDBMAN-3-VLANNOTSET : [chars]: Vlan [dec] not set since it already has Vlan [dec]**

<b>Explanation</b>	There is an internal error that caused an interface to not have its Vlan set to the requested value
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IDBMAN-6-VLANMAPPED : Vlan [dec] is mapped to [chars]**

<b>Explanation</b>	Informational message indicating that the given Vlan is mapped to the given interface
<b>Recommended Action</b>	No action is required.

**%IDBMAN-3-AGGPORTMISMATCH : [chars]([dec] / [dec]) does match internal slot/port state [chars]([dec] / [dec])**

<b>Explanation</b>	There is an internal error that caused an invalid aggregate port to be used by the software.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IDBMAN-3-INVALIDAGGPORTBANDWIDTH : [chars]([dec] / [dec]) has an invalid bandwidth value of [dec]**

<b>Explanation</b>	There is an internal error that caused an invalid bandwidth to be used for an aggregate port.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IDBMAN-3-DELETEDAGGPORT : [chars]([dec] / [dec]) Group [dec] has been deleted, but is being reused.**

---

**Explanation** There is an internal error that caused an interface that has been deleted to be reused for a new aggregate port.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDBMAN-3-NOTANAGGPORT : [chars]([dec] / [dec]) is not an aggregate port**

---

**Explanation** There is an internal error that caused an interface that is not an aggregate port to be used for aggregate port operations

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDBMAN-3-INVALIDPORT : [chars]: trying to use invalid port number [dec] ( Max [dec] )**

---

**Explanation** There is an internal error that caused an invalid port number to be used by the software.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDBMAN-4-ACTIVEPORTSINAGGPORT : [chars]([dec] / [dec]) has [dec] active ports, but is being removed**

---

**Explanation** There is an internal error that caused an aggregate port with active ports to be removed

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDBMAN-3-PORTNOTINAGGPORT : [chars]([dec] / [dec]) is not present in Aggport [chars]([dec] / [dec])**

---

**Explanation** There is an internal error that caused an invalid port to be referred to be part of an aggregate port.

**%IDBMAN-3-PORTNOTINAGGPORT : [chars]([dec] / [dec]) is not present in Aggport [chars]([dec] / [dec])**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IDBMAN-4-REMOVED\_NONDEFAULT\_CONFIG : Removed non default configuration for interfaces in slot [dec]**

<b>Explanation</b>	In SSO mode, the non-default configuration for any removed linecard is not synced to the standby during the bulk sync, and it is removed from the configuration to avoid a config mismatch between active and standby supervisors.
<b>Recommended Action</b>	No action is required.

**%IDBMAN-3-IIF\_ID\_REGISTRATION\_FAILED : IIF\_ID registration failed for Port [chars] due to memory allocation failure. Port has been shutdown**

<b>Explanation</b>	The system is low on memory due to which IIF-ID registration failed. This results in failure to apply polices such as QoS and Security acls on this port.
<b>Recommended Action</b>	LOG_STD_REDUCE_ACTION Once memory is available, run 'no shutdown' on the port.

**IDB\_IDENTITY****%IDB\_IDENTITY-3-MALLOC : Memory allocation failure for HWIDB type [dec]**

<b>Explanation</b>	A memory allocation failure occurred when trying to allocate the identity for this HWIDB. This HWIDB will not be allocated an IF Index which will prevent it from being used for forwarding data.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IDB\_SGI****%IDB\_SGI-2-XDRREG : [chars]**

<b>Explanation</b>	An internal software error occurred.
--------------------	--------------------------------------

---

**%IDB\_SGI-2-XDRREG : [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IDB\_SGI-2-MEMREQ : [chars]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDB\_SGI-3-BADPTR : [chars] of interface with ifindex [int] is invalid**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDB\_SGI-3-MEMFAIL : [chars]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDB\_SGI-4-MEMBERREQ : member request failure for interface with ifindex [int] returned err - [chars]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDB\_SGI-3-XDRREQ : [chars]**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDB\_SGI-4-INTERR : [chars] for interface with ifindex [int]**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDB\_SGI-4-UNEXPINP : [chars]**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IDMGR**

---

**%IDMGR-3-MALLOC\_FAILURE : [chars]**

---

<b>Explanation</b>	A malloc failure occurred in ID Manager.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDMGR-3-INTERRUPT : [chars]**

---

<b>Explanation</b>	An id_get attempted at interrupt level.
--------------------	---

---

---

**%IDMGR-3-INTERRUPT : [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IDMGR-3-INVALID\_ID : bad id in [chars] (id: [hex])**

<b>Explanation</b>	An ID Manager error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDMGR-3-INVALID\_ID\_TABLE\_SIZE : bad new ID table size**

<b>Explanation</b>	A bad new table request to ID Manager occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IDMGR-3-ID\_MANAGER\_INTERNAL\_ERROR : [chars]**

<b>Explanation</b>	Internal Error occurred with ID Manager.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IEDGE**

---

**%IEDGE-4-PBHK\_DEPLETED\_INDICES : No more portbundles can be allocated**

<b>Explanation</b>	The source interfaces configured for Portbundle Hostkey feature are not sufficient and the number of portbundles available are all used up. Add more source interfaces in the configuration.
<b>Recommended Action</b>	Check configuration on the ISG

---

---

**%IEDGE-4-TC\_UNDEFINED\_ACL : Traffic class ACL [chars] is not defined, creating permit all ACL**

---

<b>Explanation</b>	The ACL specified for classification of traffic is not configured on the ISG. Creating a permit all ACL. ACL should be configured on the ISG.
<b>Recommended Action</b>	Configure the ACL on the ISG

---



---

**%IEDGE-4-CLOCK\_CHANGE\_TIMER\_INV : A Local clock change has caused a running timer to be invalid**

---

<b>Explanation</b>	A change in local clock has made a currently running timer to be invalid
<b>Recommended Action</b>	Check the clock configuration

---



---

**%IEDGE-3-CH\_INTERNAL\_ERROR : Internal error in command processing - session handle=[hex]**

---

<b>Explanation</b>	There has been an internal error relating to CoA command processing.
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

---



---

**%IEDGE-3-CH\_REGISTER\_ERROR : CoA registration error in command processing - type '[chars]'**

---

<b>Explanation</b>	There has been an internal error relating to CoA command processing.
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

---

**IF**

---

**%IF-3-IDB\_LIST\_BAD\_REF\_COUNT : A bad reference count was encountered in an idb list element.**

---

<b>Explanation</b>	A software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

---



---

**%IF-2-IDB\_TABLE\_INIT : Malloc failed while initializing idb table**

---

<b>Explanation</b>	
<b>Recommended Action</b>	

---

---

**%IF-3-BAD\_MTU : Internal error. MTU on [chars] too large or negative. Truncating from %ld to [int].**

---

<b>Explanation</b>	An internal software error occurred. The system attempted to set the MTU on an interface to an invalid value.
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

---



---

**%IF-3-BADLOCK : Invalid lock use for [chars]: [chars][chars]**

---

<b>Explanation</b>	Application layer code attempted to access an unlocked interface.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IF-3-BADHWUNLOCK : ([chars]) attempted to unlock [chars] ([dec]). Locked by [chars] ([dec]).**

---

<b>Explanation</b>	Attempt to release semaphore held by another process.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IF-3-SEMAHOG : ([chars]) could not get [chars] semaphore. Held by ([chars]).**

---

<b>Explanation</b>	Unable to obtain interface semaphore.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IF-4-BACKWARD\_COUNTERS : Corrected for backward [chars] counters ([int] -> [int]) on [chars]**

---

<b>Explanation</b>	The interface specified in the message has a packet counter that has decreased in number. This condition can occur if a packet is counted and then dropped. This event was detected and corrected.
--------------------	--

**%IF-4-BACKWARD\_COUNTERS : Corrected for backward [chars] counters ([int] -> [int]) on [chars]**

<b>Recommended Action</b>	If this condition persists, copy the error message exactly as it appears on the console or in the system log. Issue the <b>show tech-support</b> command to gather data that may help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the <b>show tech-support</b> command output, contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	--

**%IF-3-BADMACADDRTYPE : illegal mac address type, [dec]**

<b>Explanation</b>	This is an internal error that was recovered gracefully.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IF-4-NOBGPROCESS : Network background process not running. [chars]**

<b>Explanation</b>	A process which manages network interface background processing is not yet running, but another system process has tried to send the process a message.
<b>Recommended Action</b>	An interface on the router may have missed a request to bring itself up. If that happens, it may be necessary to reset the interface using a <b>shutdown</b> operation and then a <b>no shutdown</b> .

**IFDAMP****%IFDAMP-5-UPDOWN : interface [chars] update [chars] state to [chars], interface is [chars]suppressed**

<b>Explanation</b>	dampening interface changed state.
<b>Recommended Action</b>	No action is required.

**%IFDAMP-5-ZERODELAY : dampening reuse timer is updated with 0 delay time**

<b>Explanation</b>	Inconsistency of dampening reuse timer wheel
<b>Recommended Action</b>	No action is required.

# IFMAP through INSTALL

- [IFMAP](#)
- [IFMGR](#)
- [IFS](#)
- [IKEV2](#)
- [ILPOWER](#)
- [IM](#)
- [IMGR](#)
- [INDXOBJ](#)
- [INFRA](#)
- [INSTALL](#)

## IFMAP

---

### %IFMAP-3-CAUSE\_CFG : hash table not initialized

---

<b>Explanation</b>	PAL interface handle to uidb hash table not initialized
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

## IFMGR

---

### %IFMGR-3-IFINDEX\_PERSIST\_ENTRY\_CORRUPT : [chars] seems to be corrupted. Trying to read [dec] size

---

<b>Explanation</b>	The ifIndex-table seems to be corrupted.
<b>Recommended Action</b>	Delete the ifindex-table.

---



---

### %IFMGR-3-INVALID\_PERSISTENT\_DATA : Invalid persistent data

---

<b>Explanation</b>	Trying to write invalid persistent data
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

---

**%IFMGR-3-NOVECTOR : Interface manager failed to allocate IF vector. size [dec]**

**Explanation** The interface vector was not able to be allocated with the number of elements required--initially or resize (see size in the error message).

**Recommended Action** TBD

**%IFMGR-3-VECTOREXD : IF manager attempted to use interface [dec] outside vector range.**

**Explanation** This message indicates that an interface with too large of an ifIndex value was attempted to be added to the IF-MGR DB.

**Recommended Action** Additional IF-MGR warning and/or error messages should accompany indication of this error. These additional messages should provide more details on the effected interface.

**%IFMGR-3-VECTORPOSUSED : IF manager attempted to add interface [dec] which was already added.**

**Explanation** This message comes from the IF-MGR DB when it is trying to add an ifIndex value for this interface which already exists in the ifIndex DB.

**Recommended Action** TBD

**%IFMGR-4-VECTORIFSUSPECT : IF manager added interface [dec] which is unexpectedly large.**

**Explanation** The ifIndex allocation scheme gives out sequential ifIndex values. This message comes from the IF-MGR DB when it is trying to add an ifIndex value much larger than the former greatest ifIndex value in the DB.

**Recommended Action** TBD

**%IFMGR-3-IFDB : IF manager interface database [chars] failure- [dec]**

**Explanation**

**Recommended Action** TBD

**%IFMGR-3-IFTDB : IF manager interface table database [chars] failure- [dec]**

**Explanation**

**Recommended Action** TBD

---

**%IFMGR-3-NOTYPEVECTOR : Interface manager failed to allocate IF type vector. size [dec]**

---

**Explanation** The interface type vector was not able to be allocated with the number of elements required--initially or resize.

**Recommended Action** TBD

---

---

**%IFMGR-3-NOIMACP : IF manager control process failed to start**

---

**Explanation**

**Recommended Action** TBD

---

---

**%IFMGR-4-NOIFINDEX : All SNMP if indices are exhausted**

---

**Explanation** All SNMP MIB indices have been exhausted. Interfaces will not be able to obtain an interface index that they can use to register with the interface MIB.

**Recommended Action** Attempt a system reload. If the problem persists after the system reload, copy the message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

---

---

**%IFMGR-3-BADIFINDEXTABLE : The file nvram:ifIndex-table is corrupt.**

---

**Explanation** The file is not in the expected format.

**Recommended Action** If possible, please delete the file.

---

---

**%IFMGR-4-NOSYNC : ifIndex not being synced between active and standby**

---

**Explanation** When the standby comes up, then the tuple of ifIndex and ifDescr is synced so that when interfaces comes up they get the same ifIndex. This error happens when the interface doesn't get the ifIndex for the given ifDescr

**Recommended Action** Inform the technical support to raise the ddts

---

---

**%IFMGR-5-RESTART : [chars]**

---

**Explanation** The IF MGR process has restarted

---



**%IFMGR-5-RESTART : [chars]**

**Recommended Action** This is an informational message. The system should recover on its own.

**%IFMGR-4-STACK\_RELATIONSHIP\_ADD\_ERROR : [chars]: Request for creating invalid stack relationship [dec], [dec]**

**Explanation** The IF MGR received the call to add invalid stack relationship. The higher and lower ifIndex are shown in the message. The module of the IF MGR from where this message is generated is also shown in the message

**Recommended Action** Inform the technical support to raise the ddts

**%IFMGR-3-DUP\_IFINDEX : Duplicate ifIndex ([dec]) found for ifDescr [chars]; exists in ifTable for ifDescr [chars].**

**Explanation** Interfaces have same ifIndex in IF-MGR assigned list. The 2nd interface registered with IF-MGR will be assigned with new index

**Recommended Action** 1. No Action, if ifIndex persist is not required. 2. Reload the standby RP, if ERR msg only seen in standby RP 3. Reload the router with the proper ifindex-table and image

**%IFMGR-7-NO\_IFINDEX\_FILE : Unable to open [chars] [chars]**

**Explanation** This is a informational message. This means system found no saved ifIndex information, and ifIndex is not persisted across reboots. The ifIndices will be reassigned.

**Recommended Action** 1. No Action, if 'snmp-server ifIndex persist' is not configured. 2. If 'snmp-server ifindex persist' is configured then copy the error message exactly as it appears, and report it to your technical support representative.

**IFS****%IFS-4-FILEMAX : Failed to open [chars], maximum open files [dec]**

**Explanation** The router has reached the maximum number of files that may be open at one time.

**Recommended Action** Close some files and try again. If this messages recurs, contact your technical support representative.

**%IFS-3-FSMAX : Failed to add [chars], maximum filesystems [dec]**

**Explanation** The router has reached the maximum number of file systems that can be supported at one time.

---

**%IFS-3-FSMAX : Failed to add [chars], maximum filesystems [dec]**

**Recommended Action**      Contact your technical support representative.

---

---

**%IFS-3-FSDUP : Failed to add [chars], filesystem prefix exists**

**Explanation**            A file system could not be added because another file system exists with the same name.

**Recommended Action**      Contact your technical support representative.

---

---

**%IFS-3-FS\_CREATE\_FAIL : Failed to create [chars] file system, [chars]**

**Explanation**            An internal software error occurred.

**Recommended Action**      Call your technical support representative for assistance.

---

---

**%IFS-3-FS\_CREATE\_FAIL2 : Failed to create [chars] simple file system, [chars]**

**Explanation**            An internal software error occurred.

**Recommended Action**      Call your technical support representative for assistance.

---

---

**%IFS-3-FS\_MISSING\_FUNCTIONS : '[chars]' file system missing required functions, not created**

**Explanation**            Some file systems require a certain set of function to be present in order to be usable. This file system does not support all the mandatory functionality.

**Recommended Action**      Call your technical support representative for assistance.

---

---

**%IFS-3-FS\_STRUCT\_ERROR : Data does not match expected internal representation**

**Explanation**            A mismatch exists between the representation of data extracted from the filesystem and the expectation of its formatting. This may occur when running in a dual-RP environment, with different IOS versions running on the two RPs.

**Recommended Action**      Ensure both RPs are running the IOS same version, if running in a dual-RP environment. If not, call your technical support representative for assistance.

---

**IKEV2**

---

**%IKEV2-5-OSAL\_INITIATE\_TUNNEL : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-5-RCV\_CONNECTION\_REQUEST : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-3-NEG\_ABORT : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-1-SEND\_COOKIE\_CHALLENGE : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-5-IPSEC\_COLLISION : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-5-SA\_UP : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-5-SA\_DOWN : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-5-SA\_REJECTED\_RESOURCE\_LOW : NULL**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-5-SA\_REJECTED\_LIMIT\_REACHED : [chars]**

---

**Explanation****Recommended  
Action**

---

---

**%IKEV2-5-INCREASE\_PEER\_WINDOW\_SIZE : NULL**

---

**Explanation****Recommended  
Action**

---

**ILPOWER**

---

**%ILPOWER-3-ILPOWER\_INTERNAL\_IF\_ERROR : Inline Power internal error, interface [chars]: [chars]**

---

**Explanation** A software check failed during Power over Ethernet (PoE) processing.**Recommended  
Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%ILPOWER-5-ILPOWER\_POWER\_DENY : Interface [chars]: inline power denied. Reason: [chars]**

---

**Explanation** There is not enough power remaining in the switch to supply to the Power over Ethernet (PoE) port.

---

---

**%ILPOWER-5-ILPOWER\_POWER\_DENY : Interface [chars]: inline power denied. Reason: [chars]**

---

**Recommended Action** No action is required.

---



---

**%ILPOWER-5-ILPOWER\_POWER\_CDP\_SHUT : Interface [chars]: inline power shut**

---

**Explanation** Inline power is shut because cdp consumption power on this Power over Ethernet (PoE) port is greater than 1. allocation power or 2. hardware interface limit or 3. user configured max power or 4. available power on this switch.

**Recommended Action** No action is required.

---



---

**%ILPOWER-3-CONTROLLER\_ERR : Controller error, Controller number [dec]: [chars]**

---

**Explanation** An error reported or caused by the Power over Ethernet (PoE) controller is detected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%ILPOWER-3-CONTROLLER\_POST\_ERR : Inline Power Feature is disabled on this switch because Power On Self Test (POST) failed on this switch. Please consult TECH support for further assistance**

---

**Explanation** An error reported or caused by the Power over Ethernet (PoE) controller is detected during POST.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%ILPOWER-3-CONTROLLER\_IF\_ERR : Controller interface error, [chars]: [chars]**

---

**Explanation** An interface error is detected between the Power over Ethernet (PoE) controller and system.

---

---

**%ILPOWER-3-CONTROLLER\_IF\_ERR : Controller interface error, [chars]: [chars]**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%ILPOWER-3-CONTROLLER\_PORT\_ERR : Controller port error, Interface [chars]: [chars]**

**Explanation** A port error reported by the Power over Ethernet (PoE) controller is detected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%ILPOWER-5-POWER\_GRANTED : Interface [chars]: Power granted**

**Explanation** There is enough power available in the switch, and the switch is providing power on the interface.

**Recommended Action** No action is required.

---



---

**%ILPOWER-5-LINKDOWN\_DISCONNECT : Interface [chars]: Link down disconnect**

**Explanation** The powered device is no longer connected to the switch, or the connected powered device is being powered by an external AC power source. The switch is no longer providing power on the interface.

**Recommended Action** No action is required.

---



---

**%ILPOWER-5-IEEE\_DISCONNECT : Interface [chars]: PD removed**

**Explanation** The powered device is no longer connected to the switch, or the connected powered device is being powered by an external AC power source. The switch is no longer providing power on the interface.

**Recommended Action** No action is required.

---

---

**%ILPOWER-7-DETECT : Interface [chars]: Power Device detected: [chars]**

---

**Explanation** The switch has detected the attached power device.

**Recommended Action** No action is required.

---

---

**%ILPOWER-5-INVALID\_IEEE\_CLASS : Interface [chars]: has detected invalid IEEE class: [dec] device. Power denied**

---

**Explanation** The power device has invalid IEEE class. switch won't powerup the device

**Recommended Action** No action is required.

---

---

**%ILPOWER-3-SHUT\_OVERDRAWN : Interface [chars] is shutdown as it is consuming more than the maximum configured power ([dec]) milliwatts.**

---

**Explanation** Interface is shutdown because it is consuming more than the maximum configured power

**Recommended Action** Make sure correct power is budgeted for this interface based on the power device electrical specifications or ratings. It is recommended to change the police cutoff power to a higher value to keep the device powered on

---

---

**%ILPOWER-4-LOG\_OVERDRAWN : Interface [chars] is overdrawing power. it is consuming [dec] milliwatts where as maximum configured power is ([dec]) milliwatts.**

---

**Explanation**

**Recommended Action** Make sure correct power is budgeted for this interface based on the power device electrical specifications or ratings. Otherwise you might risk overloading the switch. It is recommended to change the police cutoffpower appropriately if needed

---

---

**%ILPOWER-5-CLR\_OVERDRAWN : Interface [chars] is NOT overdrawing power. it is consuming [dec] milliwatts where as maximum configured value is ([dec]) milliwatts.**

---

**Explanation**

**Recommended Action** No action is required.

---

---

**%ILPOWER-5-POLICE\_POWER\_INVALID : Interface [chars]: invalid power police [dec] milliwatts current [dec] mA voltage [dec] mV**


---

<b>Explanation</b>	power policing current or voltage value is invalid.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%ILPOWER-5-SENSE\_POWER\_INVALID : Interface [chars]: invalid power sense [dec] milliwatts current [dec] mA voltage [dec] mV**


---

<b>Explanation</b>	power sensing current or voltage value is invalid.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%ILPOWER-4-ILPOWER\_POWER\_SUPPLY : PoE Power Supply [chars]: [chars]**


---

<b>Explanation</b>	The power supply for PoE is OIR
<b>Recommended Action</b>	Make sure power supply to PoE input is inserted after removal

---



---

**%ILPOWER-4-ILPOWER\_PS\_ABSENCE : PoE module Power Supply not present Inline Power Feature is disabled on [chars] because Power On Self Test (POST) failed : [chars]**


---

<b>Explanation</b>	The power supply for PoE expansion module is not present or not inserted properly or faulty
<b>Recommended Action</b>	Make sure power supply to expansion module is inserted properly and reload the switch with PoE power supply present

---



---

**%ILPOWER-5-PWRGOOD\_SPARE\_PAIR : Interface [chars]: spare pair power good**


---

<b>Explanation</b>	Spare pair power request was successful and power is available on spare pair
<b>Recommended Action</b>	No action is required.

---



---

**%ILPOWER-5-TSTART\_SPARE\_PAIR : Interface [chars]: spare pair power error: TSTART**

---

**Explanation** spare pair tstart error has occurred, power on spare pair will not be supplied**Recommended Action** No action is required.

---

---

**%ILPOWER-5-PGOOD\_TIMEOUT\_SPARE\_PAIR : Interface [chars]: spare pair power good timeout error**

---

**Explanation** spare pair power good timeout error has occurred, power on spare pair will not be supplied**Recommended Action** No action is required.

---

---

**%ILPOWER-5-DET\_SHORT\_SPARE\_PAIR : Interface [chars]: spare pair short detected**

---

**Explanation** spare pair short detect error has occurred, power on spare pair will not be supplied**Recommended Action** No action is required.

---

---

**%ILPOWER-5-DET\_TIMEOUT\_SPARE\_PAIR : Interface [chars]: spare pair detect timeout**

---

**Explanation** spare pair timeout detect error has occurred, power on spare pair will not be supplied**Recommended Action** No action is required.

---

---

**%ILPOWER-6-SET\_ILPOWER : Set power allocated to POE to [dec] for slot [dec]**

---

**Explanation** The power allocated to POE has changed**Recommended Action** No action is required.

---

**IM**

---

**%IM-0-UIPEER\_CREATE : Failed to create user interface peer.**

---

**Explanation** The system failed to create a user interface peer.

---

**%IM-0-UIPEER\_CREATE : Failed to create user interface peer.**

<b>Recommended Action</b>	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot   subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.
---------------------------	--

---



---

**%IM-2-INITIALIZATION\_FAILED :**

<b>Explanation</b>	Initialization of IOx Manager process failed.
<b>Recommended Action</b>	Review ioxman logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log.

---



---

**%IM-0-EVENT\_LIBRARY :**

<b>Explanation</b>	An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.
<b>Recommended Action</b>	In most cases, the problem can be corrected by reloading the impacted hardware using the hw-module [slot   subslot] slot-number reload command. If the reload fails to correct the problem, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

---



---

**%IM-2-INVALID\_ACT\_MSG : Virtualization Service[chars]**

<b>Explanation</b>	The virtualization service activate message was received, however, the data it contained could not be interpreted
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

---



---

**%IM-2-INVALID\_DEACT\_MSG : Failed to process virtualization service deactivate message**

<b>Explanation</b>	The virtualization service deactivate message was received, however, the data it contained could not be interpreted
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

---

**%IM-2-ALLOC\_VIRT\_INST\_RCS : Virtualization Service[chars]**

<b>Explanation</b>	A memory allocation request failed to allocate a data structure required to activate the virtualization service.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-START\_FAILED : Virtualization Service[chars]**

<b>Explanation</b>	The named virtualization service failed to start.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-VIRT\_INST\_MEMORY : Virtualization Service[chars]**

<b>Explanation</b>	The virtualization service requires physical memory in excess of the free memory available to virtualization services.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-VIRT\_INST\_DISK : Virtualization Service[chars]**

<b>Explanation</b>	The virtualization service requires Disk Storage in excess of the Free Disk Storage available to virtualization services.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-MEMORY\_LIMIT : Virtualization Service[chars]**

<b>Explanation</b>	The virtualization service machine definition file is requesting more memory than the system has available for virtualization services.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-VCPU\_LIMIT : Virtualization Service[chars]**

<b>Explanation</b>	The virtualization service machine definition file is requesting more VCPUs than the system has reserved for virtualization services.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

---

**%IM-2-DISK\_IMAGE\_PATH : Virtualization Service[chars]**

---

<b>Explanation</b>	The virtualization service machine definition file contains an invalid disk image path for one of the disk devices. This may be a Harddisk, CDROM or USB storage device.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

---



---

**%IM-2-VIRT\_INST\_LOG\_UNTHROTTLE : Failed to unthrottle the log for virtualization service [chars]**

---

<b>Explanation</b>	The named virtualization service had sent overwhelming sys log messages and its log had been throttled as a result, but system has failed to unthrottle it for some reason.
<b>Recommended Action</b>	For debugging collect the iox-manager logs and scan them for the cause.

---



---

**%IM-2-VIRT\_INST\_STATE : Virtualization Service[chars]**

---

<b>Explanation</b>	The named virtualization service has failed. It is no longer running either because the guest OS has failed, the guest OS has shut down the machine or the emulator has failed.
<b>Recommended Action</b>	An attempt at restarting the virtualization service can be made from the IOS configuration by doing a no activate/activate. For debugging collect the IOx-manager logs and scan them for the cause.

---



---

**%IM-2-FIND\_VIRT\_INST\_ENTRY : Failed to find virtualization service with id [int] in the IOx-manager list**

---

<b>Explanation</b>	The virtualization service with the ID named could not be located in the IOx-manager list.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

---



---

**%IM-5-AUX : Virtualization Service[chars]**

---

<b>Explanation</b>	The AUX login to a virtualization service may allow the user access to system functions that may not have been tested or may interact with the system in unintended ways. Use with caution.
<b>Recommended Action</b>	No action is required

---

**%IM-2-INVALID\_UNPROV\_MSG : Failed to process virtualization service unprovision message**

<b>Explanation</b>	The virtualization service unprovision message was received, however, the data it contained could not be interpreted
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation followed by deactivation and then unprovision of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-VCPU\_INVALID : Virtualization Service[chars]**

<b>Explanation</b>	The virtualization service machine definition file is requesting invalid VCPU value.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-CPUSHARES\_LIMIT : Virtualization Service[chars]**

<b>Explanation</b>	The virtualization service machine definition file is requesting more CPU shares than the system has available for virtualization services.
<b>Recommended Action</b>	Deactivate any other virtualization services to free up CPU share resources and activate this virtualization service. If that does not address the problem, then enable the IOx-manager trace logs and repeat the activation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-INSTALL\_FAILURE : Virtualization Service[chars]**

<b>Explanation</b>	The installation of the virtualization service failed.
<b>Recommended Action</b>	Enable the IOx-manager trace logs and repeat the installation of the virtualization service. Collect the IOx-manager logs and scan them for the cause.

**%IM-2-INSTALL\_MEDIA\_RETRY : VM install media still unavailable.[chars]**

<b>Explanation</b>	The install media was not detected. Waiting for udev to complete install media(harddisk) detection.
<b>Recommended Action</b>	After IOx-manager exceeds the maximum retry limit, verify if install media (harddisk) is accessible and retry the installation again.

**%IM-2-VIRT\_INST\_MGMT\_INTERFACE : Virtualization service [chars] has no management interface defined but it is configured in CLI.**

<b>Explanation</b>	A management interface is configured but none is defined.
--------------------	---

---

**%IM-2-VIRT\_INST\_MGMT\_INTERFACE : Virtualization service [chars] has no management interface defined but it is configured in CLI.**

**Recommended Action**      Deactivate the virtualization service, remove the management interface configuration CLI, and reactivate the virtual-service.

---



---

**%IM-2-GENERAL\_FAILURE : Virtualization Service[chars]**

**Explanation**      The named virtualization service has triggered the log. Please interpret the log in the context of the virtualization services.

**Recommended Action**      No action is required

---



---

**%IM-3-SDWRAP\_ERR : Description: [chars], errcode: [dec]**

**Explanation**      Debug infrastructure error

**Recommended Action**      Collect the IOx-manager logs and scan them for the cause.

---



---

**%IM-3-PSS\_ERR : Purpose: [chars], URI: [chars], errcode: [dec]**

**Explanation**      Persistent Storage Service handling error

**Recommended Action**      Collect the IOx-manager logs and scan them for the cause.

---



---

**%IM-3-PSS\_SNAPSHOT\_ERR : Source URI: [chars], Destination URI: [chars], errcode: [dec]**

**Explanation**      Persistent Storage Service snapshot error

**Recommended Action**      Collect the IOx-manager logs and scan them for the cause.

---



---

**%IM-2-NETWORK\_CONFIG\_ERROR : Virtualization Service[chars]**

**Explanation**      A network configuration error has been detected for the named virtualization service.

**Recommended Action**      No action is required

---

---

**%IM-2-INSTALL\_LOG : [chars] [chars] [chars] [chars]**

---

<b>Explanation</b>	The installation log of the named virtualization service, is to provide more information about long running operation, that could affect the control of CLI
<b>Recommended Action</b>	No action is required

---



---

**%IM-2-UPGRADE\_LOG : [chars] [chars] [chars] [chars]**

---

<b>Explanation</b>	The upgrade log of the named virtualization service, is to provide more information about long running operation, that could affect the control of CLI
<b>Recommended Action</b>	No action is required

---



---

**%IM-2-INSTALL\_STATE : [chars] '[chars]'**[chars] [chars]

---

<b>Explanation</b>	The installation state of the named virtualization service has changed as notified by IOx-manager.
<b>Recommended Action</b>	In the failed case, check IOx-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.

---



---

**%IM-2-UNINSTALL\_ALL\_VMS : All Virtualization Services are being uninstalled [chars][chars] [chars]**

---

<b>Explanation</b>	All virtualization services are being uninstalled by IOx-manager.
<b>Recommended Action</b>	Examine the reason given as to why all virtualization services are being uninstalled for more information. If the reason indicated is due to some error condition, check IOx-manager's logs for the cause of the failure.

---



---

**%IM-2-ACTIVATION\_STATE : [chars] '[chars]'** [chars] [chars]

---

<b>Explanation</b>	The activation state of the named virtualization service has changed as notified by IOx-manager.
<b>Recommended Action</b>	In the failed case, check IOx-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.

---



---

**%IM-4-WATCHDOG\_TIMER : [chars] '[chars]'** [chars] [chars]

---

<b>Explanation</b>	The watchdog timer configured for the named virtual service has expired.
<b>Recommended Action</b>	Check any logs produced by the virtualization service to determine the cause.

---

---

**%IM-2-HA\_SYNC\_ERR : [chars] '[chars]' [chars]**

---

**Explanation** The ha-sync persistent storage disk for the virtualization service cannot be watched for sync to standby RP.

**Recommended Action** Collect the IOx-manager logs and scan them for the cause.

---

---

**%IM-2-DEACT\_FOR\_ISSU : [chars] Max ([int]s)**

---

**Explanation** An ISSU event is pending. Any active VMs will be automatically deactivated to allow ISSU preprocessing to validate the environment. Any ISSU-deactivated VMs will be automatically restarted if the ISSU is cancelled.

**Recommended Action** None. Allow the ISSU to continue and the VMs will restart when the ISSU completes or cancel the ISSU and IOx-manager will automatically

---

---

**%IM-2-RESET\_FORCE : Virtualization Services non-recoverable reset command processed**

---

**Explanation** A 'virtualization service reset force' command has been entered and processed. This action initiates a cleanup of last resort. Occasionally a VM will get into an unrecoverable state that prevents it from activating but also from uninstalling. This is a rare event but when it happens the only resort may be to remove the .conf control file and reboot, which forces a cleanup of all previously installed VM files and artifacts. Note that once this command is used, current VMs are considered to be in an unstable or unpredictable state, and all future install, uninstall, upgrade, and activation commands will be blocked.

**Recommended Action** Once the command is entered and accepted, there is no recourse but to restart the system.

---

---

**%IM-2-MOVE\_STATE : [chars] '[chars]' [chars] [chars]**

---

**Explanation** The move of the core or log file of the named virtualization service has as been successful or failed as notified by IOx-manager.

**Recommended Action** In the failed case, check IOx-manager's logs for the cause of the failure. In the successful case, this notification can be ignored.

---

---

**%IM-2-RSYNC\_STATE : [chars] [chars] [chars] [chars]**

---

**Explanation** IOx-manager tries to remote sync the virtual-instance configuration file and the OVA repository to all online nodes. If rsync fails even after consecutive retries, this notification would be raised.

**Recommended Action** In the failed case, check IOx-manager's logs for the cause of the failure. Check for the rsync error code and root cause the same.

---



**%IM-2-HA\_SYNC\_THREAD\_STATE : HA remote synchronize thread has failed and exited.**

<b>Explanation</b>	IOx-manager tries to remote sync the OVA repository to all online nodes using a separate thread. If that thread fails, this notification would be raised.
<b>Recommended Action</b>	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the pthread error msg and root cause the same.

**%IM-2-HA\_STATE : [chars] [chars] [chars] [chars]**

<b>Explanation</b>	IOx-manager tries to detect the role/slot of various nodes on HA events from the platform. If any of those event callbacks fail, this notification would be raised.
<b>Recommended Action</b>	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.

**%IM-2-HA\_SWITCHOVER\_STATE : [chars] [chars] [chars] [chars]**

<b>Explanation</b>	IOx-manager HA switchover state related messages for a virtual-service whilst it is being recovered on newly active RP after a HA switchover.
<b>Recommended Action</b>	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.

**%IM-4-HA\_SYNC\_NEEDED : If using the guest shell, please use 'guestshell sync' if you want to preserve state on standby in case of supervisor switchover**

<b>Explanation</b>	Message notifying user that he needs to manually synchronize the Virtualization service contents to standby supervisor in order to preserve these contents in case of a supervisor switchover. Currently only applicable to the guest shell
<b>Recommended Action</b>	User can type the 'guestshell sync' command on active supervisor to synchronize it's contents to the standby supervisor if desired.

**%IM-2-RESIZE\_OPER\_STATE : Virtualization service '[chars]' [chars][chars] to '[int]' [chars]**

<b>Explanation</b>	IOx-manager attempts to resize various VM parameters like rootfs size, CPU share, memory if requested by user. Success/failure status messages for these resize operations are communicated by this syslog.
<b>Recommended Action</b>	In the failed case, check IOx-manager's logs for the cause of the failure. Check for the HA event error msg and root cause the same.

---

**%IM-2-GUESTSHELL\_ENABLED : The guest shell has been enabled. The command '[chars]' may be used to access it, '[chars] destroy' to remove it.**

---

**Explanation**        Informs the user that the guest shell virtualization service has been enabled (which is done by default).

**Recommended Action**        The user may use or remove the guest shell with the commands specified.

---



---

**%IM-5-PERMISSION\_DENIED : Virtualization Service '[chars]' is not owned by client IOSd**

---

**Explanation**        An attempt was made to modify a virtual-service that is not owned by the client. The request was rejected.

**Recommended Action**        No action is required.

---



---

**%IM-2-IOX\_INST\_CRIT : IOX SERVICE [chars] LOG: [chars]**

---

**Explanation**        The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.

**Recommended Action**        No action is required

---



---

**%IM-3-IOX\_INST\_ERR : IOX SERVICE [chars] LOG: [chars]**

---

**Explanation**        The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.

**Recommended Action**        No action is required

---



---

**%IM-4-IOX\_INST\_WARN : IOX SERVICE [chars] LOG: [chars]**

---

**Explanation**        The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.

**Recommended Action**        No action is required

---



---

**%IM-5-IOX\_INST\_NOTICE : IOX SERVICE [chars] LOG: [chars]**

---

**Explanation**        The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.

---

**%IM-5-IOX\_INST\_NOTICE : IOX SERVICE [chars] LOG: [chars]**

**Recommended Action**      No action is required

---



---

**%IM-6-IOX\_INST\_INFO : IOX SERVICE [chars] LOG: [chars]**

**Explanation**              The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.

**Recommended Action**      No action is required

---



---

**%IM-7-IOX\_INST\_DEBUG : IOX SERVICE [chars] LOG: [chars]**

**Explanation**              The named IOX service has triggered the log. Please interpret the log in the context of the IOX services.

**Recommended Action**      No action is required

---



---

**%IM-2-IOX\_INST\_LOG\_UNTHROTTLE : Failed to unthrottle the log for IOX service [chars]**

**Explanation**              The named IOX service had sent overwhelming sys log messages and its log had been throttled as a result, but system has failed to unthrottle it for some reason.

**Recommended Action**      For debugging collect the ioxman logs and scan them for the cause.

---



---

**%IM-6-IOX\_RECONCILE\_INFO : App-hosting application reconcile process [chars]**

**Explanation**              Indicates stage of reconcile (application recovery) process.

**Recommended Action**      No action is required

---

**IMGR**

---

**%IMGR-0-FIPS\_FMFP\_BYPASS\_TEST : NIST bypass test failed for [chars].**

**Explanation**              Forwarding Manager IPsec component detected a discrepancy when adding or deleting a security sensitive object. This could be due to a hardware or software resource limitation or a software defect.

**Recommended Action**      Check the logs for information on the relevant object download states. Remove the object or a parent object in question. If the problem persists reboot the forwarding processor (ESP).

---

---

**%IMGR-6-FIPS\_FMFP\_CRNG\_TEST : continuous [chars]approved RNG test failed.**


---

**Explanation** Forwarding Manager IPsec component detected two identical random number sequences. This could be due to a hardware malfunction or a software defect.

**Recommended Action** If the problem persists reboot the forwarding processor (ESP).

---



---

**%IMGR-6-FIPS\_FMFP\_OLAP\_TEST : FIPS-approved RNG key seed and state overlap.**


---

**Explanation** Forwarding Manager IPsec component detected an overlap in FIPS-approved RNG key seed and state. This could be due to a hardware malfunction or a software defect.

**Recommended Action** If the problem persists reboot the forwarding processor (ESP).

---



---

**%IMGR-6-FIPS\_FMFP\_KAT\_TEST : power up cryptographic self-test didnot run to completion: [chars].**


---

**Explanation** Forwarding Manager power up known answer self-test (KAT) failed. This could be due to a hardware malfunction or a software defect.

**Recommended Action** If using ipsec, reboot the forwarding processor (ESP).

---



---

**%IMGR-0-FIPS\_CPP\_CLIENT\_BYPASS\_TEST : CPP Client FIPS bypass test failed for [chars].**


---

**Explanation** Forwarding Manager CPP client IPSEC bypass test failed. This could be due to a hardware malfunction or a software defect.

**Recommended Action** If the problem persists reboot the forwarding processor (ESP).

---



---

**%IMGR-6-FIPS\_FMFP\_N2\_ERR\_FAIL : Cryptographic coprocessor non-critical failure: [chars].**


---

**Explanation** Cryptographic coprocessor non-critical operation failed. If the problem persists reboot the forwarding processor(ESP)

**Recommended Action** If the problem persists reboot the forwarding processor (ESP).

---



---

**%IMGR-0-FIPS\_FMFP\_N2\_SEVERE\_ERR\_FAIL : Cryptographic coprocessor severe failure: [chars].**


---

**Explanation** Cryptographic coprocessor critical operation failed. Further data processing on ESP is halted

---

---

**%IMGR-0-FIPS\_FMFP\_N2\_SEVERE\_ERR\_FAIL : Cryptographic coprocessor severe failure: [chars].**

**Recommended Action** forwarding processor (ESP) is rebooted automatically. no action needed

---

---

**%IMGR-6-FMFP\_KAT\_TEST\_RESULT : crypto self-test for algorithm: ([chars] ... passed).**

**Explanation** Forwarding Manager power up known answer self-test (KAT) success. This is not an error message

**Recommended Action** No action needed.

---

---

**%IMGR-6-FMFP\_IPSEC\_MIN\_MTU\_INFO : MTU smaller than minimum IPsec MTU, [chars].**

**Explanation** Minimum MTU supported by crypto processor is 256B, MTU lower than 256B is set to 256B

**Recommended Action** No action needed

---

---

**%IMGR-6-FMFP\_IPSEC\_UNSUPPORTED\_CIPHER : Cipher [chars] is not supported on this ESP.**

**Explanation** This ESP does not support this IPsec cipher

**Recommended Action** No action needed

---

---

**%IMGR-6-FMFP\_IPSEC\_CRYPT\_CTRL\_THROTTLED : IPsec Control Plane Overload Crypto Device: [chars].**

**Explanation** This ESP crypto device is overloaded.

**Recommended Action** May need to config platform ipsec control-plane medium|heavy

---

**INDXOBJ**

---

**%INDXOBJ-3-INTERRUPT : index object routine [chars] called from interrupt context**

**Explanation** inappropriate index object routine called from interrupt routine.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%INDXOBJ-3-ADD\_ERROR : index add for [chars] failed: [chars]**

---

<b>Explanation</b>	index object routine error
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**INFRA**

---

**%INFRA-3-INVALID\_GPM\_ACCESS : Invalid GPM [chars] at [hex] HAL start [hex] HAL end [hex] INFRA start [hex] INFRA [hex] NET [hex], MSGDEF\_LIMIT\_MEDIUM**

---

<b>Explanation</b>	Processing packet went beyond valid packet data, packet was possibly invalid, ppe info and encrypted pkt dump follow
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%INFRA-3-INVALID\_GPM\_ACCESS\_INFO : [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex]**

---

<b>Explanation</b>	Registers associated with previous exception error
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%INFRA-3-INVALID\_GPM\_ACCESS\_DATA :**

---

<b>Explanation</b>	Packet associated with previous exception error The packet data has been encrypted
<b>Recommended Action</b>	LOG_STD_ACTION

---

**INSTALL**

---

**%INSTALL-5-OPERATION\_START\_INFO : Started [chars] package [chars]**

---

<b>Explanation</b>	This message is used to indicate the beginning of operations.
<b>Recommended Action</b>	No action required. This is not an error, it is an indication that the system is starting the operation.

---

**%INSTALL-5-OPERATION\_COMPLETED\_INFO : Completed [chars] package [chars]**

<b>Explanation</b>	This message is used to indicate the completion of operations.
<b>Recommended Action</b>	No action required. This is not an error, it is an indication that the system completed the operation.

**%INSTALL-3-OPERATION\_ERROR\_MESSAGE : Failed to [chars] package [chars], Error: [chars]**

<b>Explanation</b>	This message is used to inform the failure reason.
<b>Recommended Action</b>	Please refer to the error message to analyze the cause of failure.

**%INSTALL-5-INSTALL\_START\_INFO : Started [chars] [chars] [chars]**

<b>Explanation</b>	This message is used to indicate the beginning of install operations.
<b>Recommended Action</b>	No action required. This is not an error, it is an indication that the system is starting this operation.

**%INSTALL-5-INSTALL\_COMPLETED\_INFO : Completed [chars] [chars] [chars]**

<b>Explanation</b>	This message is used to indicate the completion of install operations.
<b>Recommended Action</b>	No action required. This is not an error, it is an indication that the system completed this operation.

**%INSTALL-3-INSTANT\_ERROR\_MESSAGE : Error Message: [chars]**

<b>Explanation</b>	This message is used to send a instant error message.
<b>Recommended Action</b>	No action required.

**%INSTALL-5-INSTALL\_AUTO\_ABORT : Install auto abort timer expired: initiating abort**

<b>Explanation</b>	An install operation has been aborted because the auto abort timer has expired.
<b>Recommended Action</b>	No user action is needed. If you want to commit the ISSU upgrade, redo the upgrade. Otherwise, this is an informational message only.

**%INSTALL-5-INSTALL\_AUTO\_ABORT\_TIMER\_PROGRESS : Install auto abort timer will expire in [dec] seconds**

<b>Explanation</b>	An install operation will be aborted after specified seconds of time.
--------------------	---

---

**%INSTALL-5-INSTALL\_AUTO\_ABORT\_TIMER\_PROGRESS : Install auto abort timer will expire in [dec] seconds**

<b>Recommended Action</b>	No user action is needed. If you want to commit the ISSU upgrade, redo the upgrade. Otherwise, this is an informational message only.
---------------------------	---

---

## INTERCHASSIS\_REDUNDANCY through IOSXE\_FMANRP

- [INTERCHASSIS\\_REDUNDANCY](#)
- [INTERFACE\\_API](#)
- [IOMD\\_INFRA](#)
- [IOSD](#)
- [IOSD\\_INFRA](#)
- [IOSXE\\_APS](#)
- [IOSXE\\_CXSC](#)
- [IOSXE\\_ETHERCHAN](#)
- [IOSXE\\_EZMENU](#)
- [IOSXE\\_FMANRP](#)

### INTERCHASSIS\_REDUNDANCY

---

**%INTERCHASSIS\_REDUNDANCY-4-STDBY\_PRESENT : Removal of standby RP in location [chars] is recommended for inter-chassis redundancy configuration**

<b>Explanation</b>	Removal of standby RP from the chassis is recommended for inter-chassis redundancy
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

### INTERFACE\_API

---

**%INTERFACE\_API-4-BADSWIDB : [chars] may not be referencing the correct swidb**

<b>Explanation</b>	An internal software error occurred.
--------------------	--------------------------------------



**%INTERFACE\_API-4-BADSWIDB : [chars] may not be referencing the correct swidb**

<b>Recommended Action</b>	If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%INTERFACE\_API-4-BADPAKINPUT : pak->if\_input is not initialized**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%INTERFACE\_API-1-NAMESTRTOOLONG : Interface name [chars].[int] exceeded maximum allowed length [dec]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%INTERFACE\_API-3-NOADDSUBBLOCK : The [chars] subblock named [chars] was not added to [chars]**

<b>Explanation</b>	A software error has occurred, this message is displayed when IDB subblocks cannot be added.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%INTERFACE\_API-3-INVALIDSUBBLOCKPARAMETERS : Invalid subblock parameters for [chars] were supplied.**

<b>Explanation</b>	An internal software error occurred.
--------------------	--------------------------------------

---

**%INTERFACE\_API-3-INVALIDSUBBLOCKPARAMETERS : Invalid subblock parameters for [chars] were supplied.**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show idb and show tech-support commands to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit BUG\_TOOLKIT . If you still require assistance, open a case with the Technical Assistance Center via the Internet TAC\_CASE\_OPEN , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-3-SUBNUMDBERR : subnum [hex] error in [chars]**

**Explanation** A software error has occurred, this message is displayed when a problem has occurred with a sub\_number db.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-1-NOMORESWIDB : No more SWIDB can be allocated, maximum allowed [dec]**

**Explanation** No more Interfaces can be created because the maximum number of SWIDB allowed for this platform has been reached

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-1-NOMORE\_HASWIDBS : No more IDBS can be created. The maximum allowed numbers, [int], has been reached on Standby Please force redundancy mode to RPR if full Active Capacity, [int], is needed**

**Explanation** No more Software IDB numbers can be Created. The maximum allowed numbers has been reached for this High Available System.

**Recommended Action**

---



---

**%INTERFACE\_API-1-NOMOREHWIDBNUMBERS : No more hardware IDB numbers can be issued. The maximum allowed numbers, [dec], has been reached for this platform.**

**Explanation** No more hardware IDB numbers can be issued. The maximum allowed numbers has been reached for this platform.

---

**%INTERFACE\_API-1-NOMOREHWIDBNUMBERS : No more hardware IDB numbers can be issued. The maximum allowed numbers, [dec], has been reached for this platform.**

**Recommended Action** In addition to the following, copy the information from `show idb`.  
LOG\_STD\_ACTION

---



---

**%INTERFACE\_API-1-NOMORESUIDBNUMBERS : No more software IDB numbers can be issued. The maximum allowed numbers, [dec], has been reached for this platform.**

**Explanation** No more software IDB numbers can be issued. The maximum allowed numbers has been reached for this platform.

**Recommended Action** In addition to the following, copy the information from `show idb`.  
LOG\_STD\_ACTION

---



---

**%INTERFACE\_API-4-BADPAKOUTPUT : pak->if\_output is not initialized on interface [chars]**

**Explanation** An internal software error occurred.

**Recommended Action** If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-4-BADPOINTER : Function [chars] detected an invalid [chars] pointer of %08IX, ignoring**

**Explanation** A software error has occurred, this message is displayed when an invalid pointer is detected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the `show tech-support` command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-3-NODESTROYSUBBLOCK : The [chars] subblock named [chars] was not removed**

**Explanation** A software error has occurred, this message is displayed when IDB subblocks cannot be removed.

---

---

**%INTERFACE\_API-3-NODESTROYSUBBLOCK : The [chars] subblock named [chars] was not removed**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-3-CANNOTGETMTU : Error [dec] received while getting MTU: [chars]. Using default [int]**

**Explanation** A software error has occurred while attempting to retrieve the MTU value from the interface.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-3-NOSUBBLOCK : [chars] subblock does not exist on interface [chars]**

**Explanation** An internal software error occurred.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-4-TBLERROR : A error occurred while using the Index Table utility for [chars].**

**Explanation** A software error has occurred; this message is displayed when an Index table feature could not be used successfully.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%INTERFACE\_API-3-BADIDBSTATUSCHANGECALL : Invalid function call at interrupt level.**

**Explanation** An internal function was illegally called at interrupt level. This error might be caused by incorrectly coded creation or deletion of an interface, or during an OIR operation.

---

**%INTERFACE\_API-3-BADIDBSTATUSCHANGECALL : Invalid function call at interrupt level.**

<b>Recommended Action</b>	Perform a search of the Bug Toolkit, BUG_TOOLKIT . If you still require assistance, copy the error message exactly as it appears on the console or in the system log. Issue the <b>show tech</b> command and copy the output. If you performed any actions before the error message appeared, make a note of this. Open a case with the Technical Assistance Center via the Internet TAC_CASE_OPEN , or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%INTERFACE\_API-3-IFNUMTOIDBERROR : Error occurred while using the ifnum to idb table for interface [chars], if number [dec], during [chars]**

<b>Explanation</b>	A software error has occurred. This message is displayed when an operation on the if_number to idb mapping table could not be performed successfully.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%INTERFACE\_API-3-HWIDBQREENTRANT : [chars] in progress of being inserted/removed, ignoring new request to [chars]**

<b>Explanation</b>	A software error has occurred while attempting to insert or remove the interface into the system as there's already another attempt in progress to insert or remove this interface. The first attempt must complete before a new attempt can be started. The user should retry this operation at a later time.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOMD\_INFRA****%IOMD\_INFRA-4-BADPOINTER : Function [chars] detected an invalid [chars] pointer of %08IX, ignoring**

<b>Explanation</b>	A software error has occurred, this message is displayed when an invalid pointer is detected.
--------------------	---

---

**%IOMD\_INFRA-4-BADPOINTER : Function [chars] detected an invalid [chars] pointer of %08IX, ignoring**

<b>Recommended Action</b>	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <a href="http://www.cisco.com/tac">http://www.cisco.com/tac</a> . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> . If you still require assistance, open a case with the Technical Assistance Center via the Internet at <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> , or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOMD\_INFRA-3-IPCSENDFAIL : IOMD failed to send a message [chars] reason: [chars]**

<b>Explanation</b>	IOMD failed to send message to the RP
<b>Recommended Action</b>	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <a href="http://www.cisco.com/tac">http://www.cisco.com/tac</a> . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> . If you still require assistance, open a case with the Technical Assistance Center via the Internet at <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOMD\_INFRA-3-IPCALLOCFAIL : Failed to allocate IPC buffer [chars]**

<b>Explanation</b>	The IM failed to allocate a buffer for communication with RSP
<b>Recommended Action</b>	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <a href="http://www.cisco.com/tac">http://www.cisco.com/tac</a> . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> . If you still require assistance, open a case with the Technical Assistance Center via the Internet at <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOMD\_INFRA-6-TDLMSG\_INCOMPATIBLE : Failed to copy message [chars] to buffer, not allowed for current domain.**

<b>Explanation</b>	Failure to marshal a message indicates an incompatibility \ with the intended recipient.
--------------------	--

---

**%IOMD\_INFRA-6-TDLMSG\_INCOMPATIBLE : Failed to copy message [chars] to buffer, not allowed for current domain.**

**Recommended Action** Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <https://bst.cloudapps.cisco.com/bugsearch/>. If you still require assistance, open a case with the Technical Assistance Center via the Internet at <https://mycase.cloudapps.cisco.com/case>, or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOMD\_INFRA-3-INVALID\_SLOT\_NUM : An invalid slot number is specified in one of the internal APIs. slot=[dec] max\_slot=[dec]**

**Explanation** Invalid slot number to find the TDL domain

**Recommended Action** Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <https://bst.cloudapps.cisco.com/bugsearch/>. If you still require assistance, open a case with the Technical Assistance Center via the Internet at <https://mycase.cloudapps.cisco.com/case>, or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOMD\_INFRA-3-INVALID\_BAY\_NUM : An invalid bay number is specified in one of the internal APIs. bay=[dec] max\_bay=[dec]**

**Explanation** Invalid bay number to find the TDL domain

**Recommended Action** Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <https://bst.cloudapps.cisco.com/bugsearch/>. If you still require assistance, open a case with the Technical Assistance Center via the Internet at <https://mycase.cloudapps.cisco.com/case>, or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOMD\_INFRA-4-INTR\_OVER\_LIMIT : IOMd main thread disabled interrupt for [int] msec.**

**Explanation** IOMd main thread process disabled interrupt too long

---

---

**%IOMD\_INFRA-4-INTR\_OVER\_LIMIT : IOMd main thread disabled interrupt for [int] msec.**

<b>Recommended Action</b>	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <a href="http://www.cisco.com/tac">http://www.cisco.com/tac</a> . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> . If you still require assistance, open a case with the Technical Assistance Center via the Internet at <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> , or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOMD\_INFRA-3-INTR\_EVENT : IOMd fast thread event ([dec]).**

<b>Explanation</b>	IOMd fast thread event
<b>Recommended Action</b>	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <a href="http://www.cisco.com/tac">http://www.cisco.com/tac</a> . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> . If you still require assistance, open a case with the Technical Assistance Center via the Internet at <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOMD\_INFRA-3-I2C\_WRITE : An I2C write has failed because [chars]**

<b>Explanation</b>	An I2C write has failed. This could be due to a hardware or software defect.
<b>Recommended Action</b>	Note the time of the error message and examine the logs for I2C errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

---



---

**%IOMD\_INFRA-3-I2C\_READ : An I2C read has failed because [chars]**

<b>Explanation</b>	An I2C read has failed. This could be due to a hardware or software defect.
<b>Recommended Action</b>	Note the time of the error message and examine the logs for I2C errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

---



---

**%IOMD\_INFRA-3-LINECARDIAGSFAILED : Module [chars] in Slot [dec] failed online diagnostics. Please use 'show post' for more details**

---

<b>Explanation</b>	Online Diag has failed. This could be due to a hardware or software defect.
<b>Recommended Action</b>	Note the time of the error message and examine the logs for errors. If the logs provide information about a correctable problem, correct the problem. If the problem is not correctable or the logs are not helpful, collect the output of the error message, the logs, and the output of show tech-support and provide the gathered information to a Cisco technical support representative.

---

## IOSD

---

**%IOSD-3-BIPC\_REJECT : Could not accept ipc connection: [chars]**

---

<b>Explanation</b>	This error occurs if shell-manager has denied an ipc connection request from IOS.
<b>Recommended Action</b>	Check the connection request parameters.

---



---

**%IOSD-3-TDL\_PROPERTIES : Could not set message properties for connection: [chars]**

---

<b>Explanation</b>	This error occurs if shell-manager is unable to set message properties for the IOS-smam connection
<b>Recommended Action</b>	Check the connection request parameters.

---

## IOSD\_INFRA

---

**%IOSD\_INFRA-6-IFS\_DEVICE\_OIR : Device [chars] [chars]**

---

<b>Explanation</b>	USB inserted/removed
<b>Recommended Action</b>	No action is required.

---



---

**%IOSD\_INFRA-3-IFS\_DEVICE\_DETECT\_FAIL : Device [chars] [chars]**

---

<b>Explanation</b>	USB detection failed
<b>Recommended Action</b>	USB Insertion could not be handled completely. Device needs to be removed and re-inserted

---

**IOSXE\_APS****%IOSXE\_APS-3-GROUP\_CONFIG\_FAIL : Group change for interface [chars] Group [dec] failed**

<b>Explanation</b>	Group change for interface has failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_APS-3-CONFIG\_FAIL : config change for interface [chars] Group [dec] failed**

<b>Explanation</b>	config for an interface to forwarding plane has failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_APS-3-FLOWIDDELETIONFAILED : Deletion of APS flow ID with manager failed for interface [chars] group [dec]**

<b>Explanation</b>	An unexpected condition has occurred that deletion of APS flow ID.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_APS-3-FLOWIDALLOCFAILED : Allocation of APS flow ID with manager failed for interface [chars] group [dec]**

<b>Explanation</b>	An unexpected condition has occurred that allocation of APS flow ID. failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_APS-3-PAIR\_CONFIG\_FAIL : Pair config for interface [chars] Group [dec] failed**

<b>Explanation</b>	Pair config for interface has failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_APS-3-CCCONFIGFAILED : Pair config for interface [chars] Group [dec] failed**

<b>Explanation</b>	Pair config for interface has failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_APS-3-FLOWCONFIGTOCCFAILED : Flow id to cc for interface [chars] Group [dec] failed**

<b>Explanation</b>	Flow id to cc for an interface has failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_APS-3-DOWNLOADFAIL : Unable to download [chars] message to [chars]**

<b>Explanation</b>	An unexpected condition has occurred which resulted in a configuration not being sent to the reported process.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_CXSC****%IOSXE\_CXSC-3-ALLOC : Failed to allocate message for proposition**

<b>Explanation</b>	When attempting to program the dataplane with a CXSC proposition object, there was no enough memory to allocate the message.
--------------------	--

---

**%IOSXE\_CXSC-3-ALLOC : Failed to allocate message for proposition**

---

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOSXE\_CXSC-3-MESSAGE : Failed to send message for proposition**

---

<b>Explanation</b>	When the proposition was being prepared for sending to the data plane, there was an error.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_CXSC-3-ACTION : Unknown proposition action ([dec])**

---

<b>Explanation</b>	When the proposition was being sent to the data plane, the action was unknown error.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_CXSC-3-BAD\_PROPOSITION : Proposition obj corrupt**

---

<b>Explanation</b>	When the proposition was being sent to the data plane, the object itself is corrupt.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_CXSC-3-BAD\_SUMMARY : Summary obj corrupt**

---

<b>Explanation</b>	When the proposition summary was being sent to the data plane, the object itself is corrupt.
--------------------	--

**%IOSXE\_CXSC-3-BAD\_SUMMARY : Summary obj corrupt**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_CXSC-4-DUAL\_RP\_UNSUPPORTED : Dual RPs are not supported in conjunction with CXSC**

<b>Explanation</b>	CXSC is not supported in a dual RP environment. To resolve this warning, either unconfigure CXSC or remove the redundant Route Processor.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_CXSC-3-RF\_INIT : Failed to initialize CXSC Redundancy Facility client**

<b>Explanation</b>	An unexpected condition occurred where the CXSC Redundancy Facility failed to initialize.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_CXSC-3-STILE\_ACTIVATE : Failed to activate NBAR classification: ([dec])**

<b>Explanation</b>	An unexpected condition occurred where the CXSC NBAR protocol classification failed to activate.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_CXSC-3-STATISTICS\_ALLOCATION : Unable to allocate space for statistics**

<b>Explanation</b>	During initialization, there was failure in the allocation of the memory to gather the statistics. It is non fatal, but after seeing this message, the CXSC subsystem will not be able to gather statistics.
--------------------	--

**%IOSXE\_CXSC-3-STATISTICS\_ALLOCATION : Unable to allocate space for statistics**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_CXSC-3-BAD\_PROTOCOLPACK : Invalid Protocol Pack object**

<b>Explanation</b>	When the Protocol Pack was being sent to the data plane, the object's contents were invalid.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_CXSC-3-FILESYSTEM\_ERR : FileSystem Error ([chars]): Unable to Copy File from [chars] to [chars]**

<b>Explanation</b>	Unable to copy the NBAR Protocol Pack File to the file system for subsequent loading. The system will revert to the previously loaded Protocol Pack.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_CXSC-3-INSUFFICIENT\_ALLOC\_IOSXE\_VER : Insufficient memory allocated for IOSXE version String**

<b>Explanation</b>	The input IOSXE Version String has insufficient memory to hold the IOSXE Version.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_CXSC-3-INSUFFICIENT\_ALLOC\_NBAR\_VER : Insufficient memory allocated for NBAR Engine Version String**

<b>Explanation</b>	The input NBAR Engine Version string has insufficient memory to hold the NBAR Engine Version.
--------------------	---

**%IOSXE\_CXSC-3-INSUFFICIENT\_ALLOC\_NBAR\_VER : Insufficient memory allocated for NBAR Engine Version String**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_CXSC-3-PLATFORM\_TYPE : Unrecognised platform type. CPU ID [dec]**

<b>Explanation</b>	The platform that the cxsc service is being installed on is not recognised. The most likely cause is that this platform is not supported.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_ETHERCHAN****%IOSXE\_ETHERCHAN-6-LINK\_MTU : Interface [chars] MTU set to port-channel [chars] MTU [dec]**

<b>Explanation</b>	The MTU for the interface mentioned in the message is changed to match the MTU configured on the port channel interface
<b>Recommended Action</b>	No action is required.

**%IOSXE\_ETHERCHAN-3-LINK\_MTU\_FAIL : Failure in changing MTU of interface [chars] to port-channel [chars] MTU**

<b>Explanation</b>	The MTU for the interface mentioned in the message cannot be changed to match the MTU configured on the port channel interface
<b>Recommended Action</b>	Remove the link mentioned in the message from the port-channel group

**IOSXE\_EZMENU****%IOSXE\_EZMENU-3-VIRT\_SRVC\_REGISTER : Failed to register '[chars]' with virtual service manager**

<b>Explanation</b>	An unexpected error has occurred while trying to register this virtual service with the virtual service manager. This has prevented the virtual service from being enabled/disabled.
--------------------	--

---

**%IOSXE\_EZMENU-3-VIRT\_SRVC\_REGISTER : Failed to register '[chars]' with virtual service manager**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IOSXE\_FMANRP**

---

**%IOSXE\_FMANRP-4-MSGDISPATCHNULL : TDL messages NULL from IOS.**

**Explanation** An unexpected condition has occurred while IOS trying to dispatch the TDL message handler functions for received TDL messages from Forwarding Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP-4-MSGDISPATCH : Unable to dispatch received TDL message '[chars]' from Forwarding Manager. LUID: [chars]**

**Explanation** An unexpected condition has occurred while IOS trying to dispatch the TDL message handler functions for received TDL messages from Forwarding Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP-4-MSGIPCERR : Unable to process received IPC messages from Forwarding Manager, error: [chars].**

**Explanation** An unexpected condition has occurred while IOS trying to process received IPC message from Forwarding Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IOSXE\_FMANRP-3-EPOCHDLMSGMARSHAL : Failed to copy epoch TDL message to IPC buffer, epoch number [dec]**

<b>Explanation</b>	This operation to build a TDL messages for epoch message has failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_FMANRP-3-MSGMARSHALERR : Unable to copy IPC messages into transport buffer. Message: [chars]**

<b>Explanation</b>	An unexpected condition has occurred while IOS trying to copy IPC message to transport buffer in order to send the message from IOSd to Forwarding Manager.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_FMANRP-3-MSGENQERR : Unable to enqueue IPC messages to IOS IPC queue. Message: [chars].**

<b>Explanation</b>	An unexpected condition has occurred while IOS trying to enqueue IPC message to IOS IPC queue in order to send the message to Forwarding Manager.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_FMANRP-4-MSGNONDLSTATSERR : Unable to process received non-TDL stats message from Forwarding Manager, error: [chars] ([dec]).**

<b>Explanation</b>	An unexpected condition has occurred while IOS trying to process received non-TDL stats message from Forwarding Manager.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

## IOSXE\_FMANRP\_ADJ through IOSXE\_INFRA

- [IOSXE\\_FMANRP\\_ADJ](#)
- [IOSXE\\_FMANRP\\_CCE](#)
- [IOSXE\\_FMANRP\\_CEF](#)
- [IOSXE\\_FMANRP\\_FPM](#)
- [IOSXE\\_FMANRP\\_OBJID](#)
- [IOSXE\\_FMANRP\\_OBJID2](#)
- [IOSXE\\_FMANRP\\_RTMAP](#)
- [IOSXE\\_FMANRP\\_URPF](#)
- [IOSXE\\_FMANRP\\_ZONES](#)
- [IOSXE\\_INFRA](#)

### IOSXE\_FMANRP\_ADJ

---

#### %IOSXE\_FMANRP\_ADJ-3-NOADJ : Adjacency entry is null

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of an adjacency entry structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show adjacency</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

#### %IOSXE\_FMANRP\_ADJ-3-NOFIBHWIDB : FIB Interface [chars] is null

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a FIB interface structure.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show adj)

---



---

#### %IOSXE\_FMANRP\_ADJ-3-ENQUEFAIL : Unable to send [chars] [chars] message to Forwarding Manager Process

---

<b>Explanation</b>	An unexpected condition has occurred which resulted in a configuration not being sent to the Forwarding Manager Process.
--------------------	--

---

**%IOSXE\_FMANRP\_ADJ-3-ENQUEFAIL : Unable to send [chars] [chars] message to Forwarding Manager Process**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOSXE\_FMANRP\_ADJ-3-ENCSIZE : Invalid encaps length [dec] which is larger than max allowed [dec] bytes**

<b>Explanation</b>	An unexpected condition has occurred which is due to invalid adjacency encapsulation size being larger than the maximum value allowed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IOSXE\_FMANRP\_CCE**


---

**%IOSXE\_FMANRP\_CCE-4-CCE\_STACK\_LIMIT : Failed to create class [dec] filter list**

<b>Explanation</b>	An operation to send a filter list to the forwarding processor for a particular class has failed due to a resource issue. This may imply that the notification was dropped.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show class-map [type <class type> <name>])

---



---

**%IOSXE\_FMANRP\_CCE-3-CCE\_INVALID\_FILTER\_RELN : Invalid filter relation [int]**

<b>Explanation</b>	An internal error occurred when trying to build class-map information for one of the classes in a policy-map.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show policy-map [type <policy type> <name>])

---



---

**%IOSXE\_FMANRP\_CCE-3-CCE\_FILTER\_OVERFLOW : Filter list overflow at type [chars]**

<b>Explanation</b>	An internal error occurred when trying to build class-map information for one of the classes in a policy-map.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show class-map [type <class type> <name>])

---

---

**%IOSXE\_FMANRP\_CCE-3-CCE\_CLASS\_CREATE : Unable to create class [int].[int]**

---

<b>Explanation</b>	An error occurred when trying to create a class-map.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show policy-map [type <policy type> <name>])

---



---

**%IOSXE\_FMANRP\_CCE-4-CCE\_NESTED\_CLASS\_LIMIT : Nested class [dec] layers cannot exceed 4**

---

<b>Explanation</b>	When configure nested classes as match statements, the total levels of nested classes cannot exceed 4 layers
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show class-map [type <class type> <name>])

---

**IOSXE\_FMANRP\_CEF**

---

**%IOSXE\_FMANRP\_CEF-3-NOFIB : FIB entry is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a FIB entry structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip cef</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_CEF-3-NOFIBSB : FIB SB entry is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a FIB SB entry structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip cef</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_CEF-3-NOFIBTABLE : FIB table is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a FIB table structure.
--------------------	--

---

---

**%IOSXE\_FMANRP\_CEF-3-NOFIBTABLE : FIB table is null**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip cef** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_FMANRP\_CEF-3-NOFIBIDB : FIB interface is null**

**Explanation** An unexpected condition has occurred which is due to the absence of a FIB interface structure.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip cef** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_FMANRP\_CEF-3-ENQUEFAIL : Unable to send [chars] [chars] message to Forwarding Manager Process**

**Explanation** An unexpected condition has occurred which resulted in a configuration not being sent to the Forwarding Manager Processes.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_FMANRP\_CEF-4-UPDFRAGSTATSERR : Update IP Fragmentation statistics error**

**Explanation** An unexpected condition has occurred when updating fragmentation statistics

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_FMANRP\_CEF-4-UPDREASSSTATSERR : Update IP Reassembly statistics error**

---

<b>Explanation</b>	An unexpected condition has occurred when updating reassembly statistics
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_CEF-4-UPDSTATSERR : Update CEF statistics error**

---

<b>Explanation</b>	An unexpected condition has occurred when updating cef statistics
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_CEF-3-ROUTE MSGMARSHAL : Failed to copy route message to IPC buffer for prefix [chars]/[dec] - [chars]**

---

<b>Explanation</b>	This operation to build a TDL messages for route download has failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_CEF-3-NOFIBPUSHCNT : FIB push counter is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a FIB push counter structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip cef</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_CEF-3-NONATADDR : NAT address is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of an NAT address.
--------------------	---

---

---

**%IOSXE\_FMANRP\_CEF-3-NONATADDR : NAT address is null**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip alias</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	--

---

**IOSXE\_FMANRP\_FPM**

---

**%IOSXE\_FMANRP\_FPM-4-INVALIDLENTYPE : Field length type in PHDF file is invalid**

<b>Explanation</b>	An unexpected condition has occurred which is due to the invalid field length type in PHDF file.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip alias</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_FPM-4-INVALIDMATCHTYPE : FPM match type is invalid [dec]**

<b>Explanation</b>	An unexpected condition has occurred which is due to the invalid FPM match type in one of FPM class-map filter match entry
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip alias</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_FPM-4-INVALIDACTION : FPM feature action is invalid [dec]**

<b>Explanation</b>	An unexpected condition has occurred which is due to the invalid action type when trying to bind FPM action with target class group.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip alias</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_FMANRP\_FPM-3-NOSTATUPDATE : Failed to update class-map statistics during periodic update**

<b>Explanation</b>	A statistics update for a class-map has failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_FMANRP\_OBJID****%IOSXE\_FMANRP\_OBJID-5-DUPCREATE : Duplicate forwarding object creation obj\_handle [hex], type [int], existing\_obj\_id [hex], type [int]**

<b>Explanation</b>	An unexpected condition has occurred which results in duplicate forwarding object creation.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_FMANRP\_OBJID2****%IOSXE\_FMANRP\_OBJID2-3-DUPCREATE : Duplicate forwarding object creation obj\_handle [hex], type [int], existing\_obj\_id [hex], type [int]**

<b>Explanation</b>	An unexpected condition has occurred which results in duplicate forwarding object creation with different object types.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_FMANRP\_RTMAP****%IOSXE\_FMANRP\_RTMAP-3-RTMAPNULL : The route-map structure for [chars] is null**

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a route-map data structure.
<b>Recommended Action</b>	show route-map



**%IOSXE\_FMANRP\_RTMAP-4-UNKOWNCLIANT : Unknown client type [dec] received**

<b>Explanation</b>	An unexpected known client type is received for route-map download.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip interface</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_FMANRP\_RTMAP-3-INVALID\_LIST : NULL**

<b>Explanation</b>	An internal list structure has been detected as invalid.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip interface</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_FMANRP\_RTMAP-3-RTMAP\_UNSUPPORTED : Routemap ([chars]) contain unsupported match/set clause, ignored**

<b>Explanation</b>	A map contains unsupported match or set clause
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip interface</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_FMANRP\_URPF****%IOSXE\_FMANRP\_URPF-4-NOV4SWIDB : v4 sub-interface is null**

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a v4 swidb structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show ip interface</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_FMANRP\_URPF-4-NOV6SWIDB : v6 sub-interface is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of a v6 swidb structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ipv6 interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_URPF-3-INVALIDIFHDL : Invalid interface handle [int] for interface (number= [int], swidb= [hex], name= [chars])**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to an invalid interface handle
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_URPF-4-UPDV4STATSERR : Update v4 URPF statistics error**

---

<b>Explanation</b>	An unexpected condition has occurred when updating v4 URPF statistics
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip interface &lt;name&gt;</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_FMANRP\_URPF-4-UPDV6STATSERR : Update v6 URPF statistics error**

---

<b>Explanation</b>	An unexpected condition has occurred when updating v6 URPF statistics
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ipv6 interface &lt;name&gt;</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IOSXE\_FMANRP\_ZONES****%IOSXE\_FMANRP\_ZONES-3-NOSTATUPDATE : Failed to update zone-pair statistics during periodic update (zone [chars], class [int])**

<b>Explanation</b>	A statistics update for a zone-pair has failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_INFRA****%IOSXE\_INFRA-3-INVALID\_ERRMSG : Error message type [dec] not defined**

<b>Explanation</b>	Error message type used is not defined in IOSXE infrastruction
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-SHIM\_INIT\_WQ\_FAIL : IOSXE shim layer initialization failed: Can not create receiving queues**

<b>Explanation</b>	IOSXE IOS shim layer initialization of watched queue failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-SHIM\_INIT\_WQ\_CHASFS\_FAIL : IOSXE shim layer initialization failed: Can not create receiving chasfs watched queue**

<b>Explanation</b>	IOSXE IOS shim layer initialization of watched queue failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_INFRA-3-SHIM\_INIT\_PROC\_FAIL : IOSXE shim layer initialization failed: Dispatch process creation failed**


---

<b>Explanation</b>	IOSXE IOS shim layer initialization creating dispatch process failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-SHIM\_INIT\_MEM\_FAIL : IOSXE shim layer initialization failed: Memory initialization failed.**


---

<b>Explanation</b>	IOSXE IOS shim layer initialization of memory failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-SHIM\_NO\_IPC\_DISPATCH\_HDL : IOSXE shim layer [chars] process message without IPC dispatch handler.**


---

<b>Explanation</b>	IOSXE IOS shim layer has no ipc dispatch handler set
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-SHIM\_RXMSG\_NO\_IPC\_HDL : IOSXE shim layer without IPC handler for fd [dec], seqnum [dec].**


---

<b>Explanation</b>	IOSXE IOS shim layer cannot find ipc handler
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_INFRA-3-SHIM\_INIT\_TDL\_FAIL : IOSXE shim layer initialization TDL Lib [chars] failed.**

<b>Explanation</b>	IOSXE IOS shim layer initialization of TDL library
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-SHIM\_INIT\_DISPATCH\_INIT\_FAIL : IOSXE shim layer initialization, dispatch path init failed.**

<b>Explanation</b>	IOSXE IOS shim layer initialization of TDL disatch path
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-INVALID\_RUNTIME\_IDX : Thread runtime index [dec] is not valid**

<b>Explanation</b>	Export the thread's running time failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-6-THEAD\_SELECT\_ERR : Inbound message or packet select error, [chars].**

<b>Explanation</b>	Socket select operation error in threads
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-INJECT\_HDR\_LENGTH\_ERR : Inject hdr size [int] exceeds limit**

<b>Explanation</b>	Inject header length exceeds pak header space
--------------------	---

---

**%IOSXE\_INFRA-3-INJECT\_HDR\_LENGTH\_ERR : Inject hdr size [int] exceeds limit**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-INJECT\_EMBEDDED\_HDR\_LENGTH\_ERR : Can't allot space needed for embedded inject hdr size [int] exceeds limit**

**Explanation** Can't allot space needed for embedded inject header, exceeds pak header space

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-INJECT\_NO\_IF\_OUTPUT\_ERR : Output intf is NULL, [chars]**

**Explanation** Output intf is required to proceed, else skip the feautre

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-4-PUNT\_KEEPALIVE\_LOG\_ERR\_INV\_PARAM : Invalid parameter: [chars]**

**Explanation** Invalid parameter was passed when generating punt err log

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-4-PUNT\_KEEPALIVE\_LOG\_ERR\_GET\_FILE\_NAME : Failed to get file name: [chars]**

**Explanation** Could not form a file name when generating punt err logPunt keepalive log error seen

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_INFRA-4-PUNT\_KEEPALIVE\_LOG\_ERR\_INV\_FILE\_ID : Invalid file descriptor: [dec]**

<b>Explanation</b>	Invalid file descriptor was found when generating punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-PUNT\_KEEPALIVE\_LOG\_ERR\_OPEN\_FILE : Failed to open file: [chars]**

<b>Explanation</b>	Failed to open file when generating punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-4-PUNT\_KEEPALIVE\_LOG\_ERR\_CLOSE\_FILE : Failed to close file with descriptor: [dec]**

<b>Explanation</b>	Closing of file failed when generating punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-PUNT\_KEEPALIVE\_LOG\_ERR\_WRITE\_TO\_FILE : Write to file Id [dec] failed [dec] bytes, expected [dec] bytes**

<b>Explanation</b>	Write to file failed when generating punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-PUNT\_KEEPALIVE\_LOG\_ERR\_ALLOC\_TTY : Failed to allocate a tty**

<b>Explanation</b>	Can't allocate a TTY when generating punt err log
--------------------	---

---

**%IOSXE\_INFRA-3-PUNT\_KEEPALIVE\_LOG\_ERR\_ALLOC\_TTY : Failed to allocate a tty**

---

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOSXE\_INFRA-3-PUNT\_KEEPALIVE\_LOG\_ERR\_ALLOC\_CSB : Failed to allocate a csb**

---

<b>Explanation</b>	Can't allocate a csb when generating punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-PUNT\_KEEPALIVE\_LOG\_ERR\_PARSE\_CMD : Failed to parse command: [chars]**

---

<b>Explanation</b>	Failed to parse a command when generating punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-4-PUNT\_KEEPALIVE\_LOG\_ERR\_GET\_PROCID : Failed to get process id**

---

<b>Explanation</b>	Can't get identifier of the process generating punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-4-PUNT\_KEEPALIVE\_LOG\_ERR\_INV\_PROCID : Invalid proc id [dec], expected [dec]**

---

<b>Explanation</b>	Invalid process trying to generate punt err log
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IOSXE\_INFRA-4-NO\_PUNT\_KEEPALIVE : Keepalive not received for [int] seconds**

<b>Explanation</b>	Punt Inject keepalive message was not received
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-2-FATAL\_NO\_PUNT\_KEEPALIVE : Keepalive not received for [int] seconds resetting**

<b>Explanation</b>	Punt Inject keepalive message was not received
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-INJECT\_GSB\_CTL\_INIT\_FAIL : Inject adjacency subblock init failed**

<b>Explanation</b>	Adj subblock control or register failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-PUNT\_ADDR\_RES\_ENCAP\_ERR : Punted address resolution packet with unknown encap [chars]**

<b>Explanation</b>	Punted packet for ARP/ND with encap not supported
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-PUNT\_SVC\_PROC\_ERR : Punt service [chars] create failed**

<b>Explanation</b>	Punt service process can not be created
--------------------	---

**%IOSXE\_INFRA-3-PUNT\_SVC\_PROC\_ERR : Punt service [chars] create failed**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_INFRA-3-VM\_PAGE\_TABLE\_ERR : VM guarded page operation failed, address [hex], [chars]**

<b>Explanation</b>	VM guarded page avl tree operation error
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-PUNT\_SVC\_TYPE\_UNKNOWN : Punted packet with unknown service type [int]**

<b>Explanation</b>	Punted pak with an unsupported service type
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-5-PUNT\_SVC\_CANT\_ENQUEUE : Punted pak can't be enqueued for service**

<b>Explanation</b>	Punted pak enqueue failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-5-PUNT\_SVC\_INVALID\_OPT\_PKT : Invalid IPv4 options packet punted to RP**

<b>Explanation</b>	Invalid IPv4 options packet dropped in RP
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-4-INJECT\_TUN\_NONIP\_WARN : pak with linktype [chars] gets into non-ip tunnel**

<b>Explanation</b>	IP/IPv6/MPLS packet should to go through GRE tunnel for non-IP payload
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-INJECT\_FEATURE\_ESS\_ERR : ESS segment not found, type [dec] hdl [hex]**

<b>Explanation</b>	Packets to be injected to an unsupported ESS segment
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-6-PROCPATH\_CLIENT\_HOG : IOS shim client '[chars]' has taken %ld msec (runtime: %ld msec) to process a '[chars]' message**

<b>Explanation</b>	The specified IOSXE IOS shim client has taken too long to process a received IPC or chasfs message
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-6-AUXTHD\_REQUEST : Too many outstanding requests for file system access**

<b>Explanation</b>	Resource temporarily unavailable
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-APP\_SESS\_OPEN\_FAILED : An attempt to open [chars] with handle number [dec] has failed ([dec])**

<b>Explanation</b>	Application session between processes failed to establish.
--------------------	--

---

**%IOSXE\_INFRA-3-APP\_SESS\_OPEN\_FAILED : An attempt to open [chars] with handle number [dec] has failed ([dec])**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-CONSOLE\_DEBUG\_DROP : System dropped [dec] bytes of console debug messages.**

**Explanation** Debugging messages are being generated faster than they can be displayed on the console. The messages can not be guaranteed to be seen so this message replaces the lost messages.

**Recommended Action** Consider using conditional debugging or turning off console logging.

---



---

**%IOSXE\_INFRA-3-PUNT\_INCOMP\_WRONG\_ADJID : Punted address resolution packet linktype [chars], adj-id [dec] is with linktype [chars]**

**Explanation** CPP needs to punt incomplete adjacency for resolution by specifying the adjacency-id, but the included adjacency-id does not match the incomplete adjacency this packet triggered.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-IFS\_EXTLINK\_ADD\_FAIL : Could not add filesystem [chars] to IFS links**

**Explanation** Attempt to add filesystem root to allow for links failed

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-IFS\_UDEV\_REMOVE\_FAIL : Could not remove udev device [chars]**

**Explanation** Attempt to remove udev device failed

---

**%IOSXE\_INFRA-3-IFS\_UDEV\_REMOVE\_FAIL : Could not remove udev device [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_INFRA-3-IFS\_DFLT\_FS\_REG\_FAIL : Unable to set [chars] as a default file system.**

<b>Explanation</b>	IOSXE's platform dependent code failed to register the default file system.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-IFS\_INIT\_HIDDEN\_FAIL : IOSXE shim layer initialization failed: Can not create receiving queues**

<b>Explanation</b>	IOSXE IOS shim layer initialization of hidden path watch failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-BSO\_MSG\_HDR\_LENGTH\_ERR : BSO message header length [int] is incorrect**

<b>Explanation</b>	BSO message header length is incorrect
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-BSO\_MSG\_HDR\_MSGTYPE\_ERR : BSO message header msgtype [int] is incorrect**

<b>Explanation</b>	BSO message header msgtype is incorrect
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-BSO\_MSG\_UNMARSHAL\_ERR : BSO message unmarshalling has failed**

<b>Explanation</b>	BSO message unmarshalling has failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-BSO\_MSG\_CACHE\_ERR : BSO message query cache update error - [chars]**

<b>Explanation</b>	BSO message query cache update error
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-4-BSO\_MSG\_RIB\_WATCH\_WARN : BSO message RIB watch start error**

<b>Explanation</b>	BSO message RIB watch start error
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-RELOAD\_INFO\_SAVE\_FAIL : Unable to save reload information: [dec]: [chars].**

<b>Explanation</b>	IOSXE's platform dependent code failed to save the reload information.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-SN\_IPFRR\_PROC\_ERR : Static NextHop IPFRR [chars] create failed**

<b>Explanation</b>	SN IPFRR process can not be created
--------------------	-------------------------------------

**%IOSXE\_INFRA-3-SN\_IPFRR\_PROC\_ERR : Static Nexthop IPFRR [chars] create failed**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_INFRA-6-CONSOLE\_ACTIVE : [chars]**

<b>Explanation</b>	Indicates that the current instance of IOS is assuming active control of the console. This is informational.
<b>Recommended Action</b>	No action is required.

**%IOSXE\_INFRA-6-PLATFORM\_RELOAD : [chars]**

<b>Explanation</b>	Indicates that the current instance of IOS is being reset by the platform code. This is part of a normal reset sequence and the message is informational.
<b>Recommended Action</b>	No action is required.

**%IOSXE\_INFRA-6-CHASFS\_CLOCK\_SET\_FAIL : Failed to set Chasfs property on system time change**

<b>Explanation</b>	Unable to set chasfs property on system time change
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_INFRA-3-CYAN\_API\_ERROR : Failed to retrieve platform dependent value of [chars] (err=[dec])**

<b>Explanation</b>	CYAN API function failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_INFRA-6-SHIM\_RXMSG\_IPC\_INFO : IOS shim layer process IPC msg for fd [dec], seq\_num [dec], ipc\_status [dec]**

---

**Explanation**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-SHIM\_IPC\_NOT\_PROCESSED : msg handler returned FALSE for IPC msg for fd [dec], seq\_num [dec], service [chars]**

---

**Explanation**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-SWIFT\_ORCH\_PROC\_FAIL : IOSXE SWIFT Orchestrator process creation failed**

---

**Explanation** The SWIFT Orchestrator process could not be created

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-BAD\_GLIBC\_BUF\_FREE : An IOS buffer is freed into GLIBC buffer pool, buffer blockmagic [hex], flags [hex]**

---

**Explanation** An IOS buffer is freed into GLIBC buffer pool.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_INFRA-3-BIPC\_MGS\_ALLOC\_FAIL : Allocating [dec] byte for IPC [chars] msg failed: out of memory**

---

**Explanation** system is out of memory

---



**%IOSXE\_INFRA-3-BIPC\_MGS\_ALLOC\_FAIL : Allocating [dec] byte for IPC [chars] msg failed: out of memory**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

## IOSXE\_MEMPOOL\_MIB through IOSXE\_RP\_IF\_FLOW\_IDS

- [IOSXE\\_MEMPOOL\\_MIB](#)
- [IOSXE\\_MGMTVRF](#)
- [IOSXE\\_MLP](#)
- [IOSXE\\_OIR](#)
- [IOSXE\\_PEM](#)
- [IOSXE\\_QFP](#)
- [IOSXE\\_RP\\_ALARM](#)
- [IOSXE\\_RP\\_CFG\\_NOT](#)
- [IOSXE\\_RP\\_DPIDB](#)
- [IOSXE\\_RP\\_IF\\_FLOW\\_IDS](#)

### IOSXE\_MEMPOOL\_MIB

**%IOSXE\_MEMPOOL\_MIB-3-BUFFPOOL\_REG\_ERROR : Bufferpool register data exceeds allocated memory; Retrieved only [dec] entries.**

<b>Explanation</b>	Memory allocated is not enough
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

### IOSXE\_MGMTVRF

**%IOSXE\_MGMTVRF-3-PROCESS\_CREATE\_FAIL : Management VRF process creation failed, [chars]**

<b>Explanation</b>	Can not create IOS process for mgmt port init
--------------------	---

**%IOSXE\_MGMTVRF-3-PROCESS\_CREATE\_FAIL : Management VRF process creation failed, [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_MGMTVRF-3-VRF\_CREATE\_FAIL : Management VRF creation failed [chars]**

<b>Explanation</b>	Can not create mgmt vrf during system init
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_MGMTVRF-3-AFI\_ATTACH\_FAIL : Management VRF AFI [chars] attach failed**

<b>Explanation</b>	Can not create afi subblock for mgmt vrf
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_MGMTVRF-3-INTF\_ATTACH\_FAIL : Management VRF attach to mgmt [chars] failed**

<b>Explanation</b>	Can not associate mgmt port to mgmt vrf
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_MGMTVRF-3-SET\_TABLEID\_FAIL : Installing [chars] Management interface tableid [hex] failed**

<b>Explanation</b>	Fail to set mgmt port tableid into Linux kernel
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_MGMTVRF-6-CREATE\_SUCCESS\_INFO : Management vrf [chars] created with ID [dec], ipv4 table-id [hex], ipv6 table-id [hex]**

---

**Explanation** mgmt vrf and ipv4, ipv6 tables created for mgmt port

**Recommended Action**

---

## IOSXE\_MLP

---

**%IOSXE\_MLP-3-ENQUEFAIL : Unable to send [chars] [chars] message to Forwarding Manager Process**

---

**Explanation** An unexpected condition has occurred which resulted in a configuration not being sent to the Forwarding Manager Process.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_MLP-4-UPDSTATSERR : Update MLP statistics error**

---

**Explanation** An unexpected condition has occurred when updating mlp statistics

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_MLP-2-DB\_ENTRY\_ALLOC\_FAIL : MLP link db entry allocation for link [chars] failed**

---

**Explanation** MLP link database error. Memory chunk allocation for MLP link database entry has failed.

**Recommended Action** Check for accurate memory management. Perform memory leak checks and look for memory corruption causes. Execute 'show proc memory' command.

---



---

**%IOSXE\_MLP-2-DB\_INSERT\_FAIL : MLP link db entry add for interface [chars] failed**

---

**Explanation** MLP link database error. Insertion of a new entry into MLP link database has failed.

**Recommended Action** Check for accurate memory management. Perform memory leak checks, look for memory corruption causes, verify correct database management. Execute 'show proc memory' command.

---

**%IOSXE\_MLP-2-DB\_DELETE\_FAIL : MLP link db entry delete for link [chars] failed**

<b>Explanation</b>	MLP link database error. Removal of entry from MLP link database has failed.
<b>Recommended Action</b>	Check for accurate memory management. Perform memory leak checks, look for mamory corruption causes and check for correct database management. Execute 'show proc memory' command.

**%IOSXE\_MLP-2-DB\_ENTRY\_FREE\_FAIL : MLP link entry free failed**

<b>Explanation</b>	MLP link database error. Memory chunk free of MLP link database entry has failed.
<b>Recommended Action</b>	Check for accurate memory management. Perform memory leak checks and look for memory corruption causes. Execute 'show proc memory' command.

**%IOSXE\_MLP-2-DB\_ALLOC\_FAIL : MLP link db allocation failed**

<b>Explanation</b>	MLP link database error. Memory chunk creation for MLP link database has failed.
<b>Recommended Action</b>	Check for accurate memory management. Perform memory leak checks and look for memory corruption causes. Execute 'show proc memory' command.

**%IOSXE\_MLP-2-DB\_DESTROY\_FAIL : MLP link database destroy failed**

<b>Explanation</b>	MLP link database error. Memory chunk destroy has failed for MLP link database.
<b>Recommended Action</b>	Check for accurate memory management. Perform memory leak checks and look for memory corruption causes. Execute show proc memory command.

**IOSXE\_OIR****%IOSXE\_OIR-6-INSCARD : Card ([chars]) inserted in [chars]slot [chars]**

<b>Explanation</b>	The OIR facility detected the insertion of a card in the slot number specified in the message.
<b>Recommended Action</b>	No action is required.

**%IOSXE\_OIR-6-REMCARD : Card ([chars]) removed from [chars]slot [chars]**

<b>Explanation</b>	The OIR facility detected the removal of a card from the slot number specified in the message.
<b>Recommended Action</b>	No action is required.

---

**%IOSXE\_OIR-6-ONLINECARD : Card ([chars]) online in [chars]slot [chars]**

---

**Explanation** The OIR facility detected the state change to online for the card in the slot number specified in the message.

**Recommended Action** No action is required.

---

---

**%IOSXE\_OIR-6-OFFLINECARD : Card ([chars]) offline in [chars]slot [chars]**

---

**Explanation** The OIR facility detected the state change to offline for the card in the slot number specified in the message.

**Recommended Action** No action is required.

---

---

**%IOSXE\_OIR-3-CARDERR : Could not read state property for [chars] slot [dec]**

---

**Explanation** The OIR facility detected a failure for exceeding the number of retries to find state chasfs property.

**Recommended Action** No action is required.

---

---

**%IOSXE\_OIR-6-SOFT\_STARTSPA : SPA([chars]) restarted in [chars]**

---

**Explanation** The SPA in the specified subslot is restarted by the command `hw-module subslot slot#/subslot# start`

**Recommended Action** No action is required.

---

---

**%IOSXE\_OIR-3-SPA\_INTF\_ID\_ALLOC\_FAILED : Failed to allocate interface identifiers for SPA([chars]) in slot/bay: [int]/[int]**

---

**Explanation** Failed to get CC buffer and flow control identifiers for the SPA in the specified subslot. Traffic cannot flow through the SPA under this failure condition. This can happen if the system runs out of available identifiers.

**Recommended Action** Try to reduce the number of interfaces configured in the system either by physically removing the SPAs or by changing the system configuration

---

---

**%IOSXE\_OIR-6-SOFT\_STOPSPA : SPA([chars]) stopped in [chars], interfaces disabled**

---

**Explanation** The SPA in the specified subslot is stopped by the command **hw-module subslot slot#/subslot# stop**. The interfaces on that processor will be administratively shut down and marked as removed. The routing table will be flushed of any routes through the removed interfaces.

**Recommended Action** No action is required.

---



---

**%IOSXE\_OIR-6-SOFT\_RELOADSPA : SPA([chars]) reloaded on [chars]**

---

**Explanation** The SPA in the specified subslot is reloaded by the command **hw-module subslot slot#/subslot# reload**.

**Recommended Action** No action is required.

---



---

**%IOSXE\_OIR-6-SYNCSPA : SPA ([chars]) reloading to come up in [chars] mode**

---

**Explanation** The SPA in the specified subslot is reloaded by the command **hw-module subslot slot#/subslot# reload**.

**Recommended Action** No action is required.

---



---

**%IOSXE\_OIR-6-INSSPA : SPA inserted in [chars]/[int]**

---

**Explanation** The OIR facility detected the insertion of a SPA in the subslot number specified in the message.

**Recommended Action** No action is required.

---



---

**%IOSXE\_OIR-6-REMSPA : SPA removed from [chars]/[int], interfaces disabled**

---

**Explanation** The OIR facility detected the removal of a SPA from the subslot number specified in the message. The interfaces on that processor will be administratively shut down and marked as removed. The routing table will be flushed of any routes through the removed interfaces.

**Recommended Action** No action is required.

---

**%IOSXE\_OIR-6-INSSSFP : Smart SFP inserted in port [chars]**

**Explanation** The OIR facility detected the insertion of TSoP/VCoP SSFP in the port number specified in the message.

**Recommended Action** No action is required.

**%IOSXE\_OIR-6-REMSSFP : Smart SFP removed from port [chars]**

**Explanation** The OIR facility detected the removal of TSoP/VCoP SSFP in the port number specified in the message.

**Recommended Action** No action is required.

**%IOSXE\_OIR-6-SPARELOAD : SPA reloaded on subslot [int]/[int]**

**Explanation** The SPA in the specified subslot is reloaded.

**Recommended Action** No action is required.

**%IOSXE\_OIR-6-CARDRECONCILE : SPA type changed on subslot [int]/[int] from [int] to [int]**

**Explanation** The SPA in the specified subslot has been initialized, and it has been detected that it is of a different type to the SPA that was previously in this subslot.

**Recommended Action** No action is required.

**%IOSXE\_OIR-3-OIRTWICE : Subslot [int]/[int] OIR insertion/removal not paired up: [chars]**

**Explanation** An internal OIR-related error occurred for the specified SPA.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_OIR-3-QUIESCE\_FAIL : Quiesce failed for subslot [int]/[int] (error = [dec])**

**Explanation** The RP failed to contact the SPA during failover. The SPA will be reset.

**Recommended Action** No action is required.

---

**%IOSXE\_OIR-3-UNQUIESCE\_FAIL : Unquiesce failed for subslot [int]/[int] (error = [dec])**

---

**Explanation** The RP failed to unquiesce the SPA in the specified subslot. The SPA will be reset.

**Recommended Action** No action is required.

---

---

**%IOSXE\_OIR-3-POWER\_CYCLE\_IMMINENT : The SPA in subslot [int]/[int] will be power cycled in [dec] seconds.**

---

**Explanation** The SPA in the specified subslot will be power cycled in the amount of time specified in the error message.

**Recommended Action** No action is required.

---

---

**%IOSXE\_OIR-3-PROCMSG : Process msg send failed for process[dec]**

---

**Explanation** Process message send failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_OIR-3-MODULE : Missing [chars] for [chars]**

---

**Explanation** A hardware or software error occurred.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_OIR-3-SPA\_MDR\_FAIL : Minimal Disruptive Restart process failed for SPA in subslot [int]/[int], reason [chars].**

---

**Explanation** The SPA in the subslot failed Minimal Disruptive Restart. Minimal Disruptive Restart process is aborted and an attempt will be made to recover the SPA by resetting the SPA hardware.

**Recommended Action** No action is required.

---



**IOSXE\_PEM****%IOSXE\_PEM-6-INSPEM\_FM : PEM/FM [chars] inserted**

<b>Explanation</b>	The platform detected the insertion of a power/fan module in the slot number specified in the message.
<b>Recommended Action</b>	No action is required.

**%IOSXE\_PEM-6-REMPER\_FM : PEM/FM [chars] removed**

<b>Explanation</b>	The platform detected the removal of a power/fan module in the slot number specified in the message.
<b>Recommended Action</b>	No action is required.

**%IOSXE\_PEM-6-PEMOK : The PEM in [chars] is functioning properly**

<b>Explanation</b>	The PEM hardware may have been either switched off, or reporting a failure condition. This message indicates that the PEM is no longer either switched off, or reporting a failure
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_PEM-3-PEMFAIL : The PEM in [chars] is switched off or encountering a failure condition.**

<b>Explanation</b>	The PEM hardware has been either switched off, or is reporting a failure condition.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_PEM-6-FANOK : The fan in [chars]/[dec] is functioning properly**

<b>Explanation</b>	The fan was reporting a failure condition. This message indicates that the fan is no longer reporting a failure
--------------------	---

---

**%IOSXE\_PEM-6-FANOK : The fan in [chars]/[dec] is functioning properly**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOSXE\_PEM-3-FANFAIL : The fan in [chars]/[dec] is encountering a failure condition**

<b>Explanation</b>	The fan's hardware is reporting that the fan is failing. This is most likely because the hardware detects the fan as spinning below the minimum speed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_PEM-3-PEMCHASFSERR : The PEM in [chars] has encountered a system software error.**

<b>Explanation</b>	The PEM's underlying software for storing PEM state is not working properly.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_PEM-3-TEMPERATURE\_RAISE : Sensor [chars] has reached maximum temepature value, Leads to shutdown the system**

<b>Explanation</b>	The Temperature sensor reaching maximum threshold value working properly.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_PEM-3-FAN\_FAIL\_SHUTDOWN : More than one [chars] has failed, Leads to shutdown the system**

<b>Explanation</b>	The Temperature sensor reaching maximum threshold value working properly.
--------------------	---

---

**%IOSXE\_PEM-3-FAN\_FAIL\_SHUTDOWN : More than one [chars] has failed, Leads to shutdown the system**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_PEM-3-SSFP\_TEMPERATURE\_RAISE : [chars] transceiver temperature reached threshold value, Leads to shutdown the system**

<b>Explanation</b>	The Temperature sensor reaching maximum threshold value working properly.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_PEM-3-PEMREDLOWSTANDBY : Cannot activate [chars] configuration. Total power budget of standby power supplies is [dec]W. Standby power must be greater than or equal to the largest power supply capacity ([dec]W).**

<b>Explanation</b>	Operating in unprotected mode Should insert at least one ps in standby slots with a capacity greater than or equal to the largest capacity power supply in the system. The configuration will be applied automatically once requirements are met.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_PEM-3-PEMREDNOPWR : Cannot enable power redundancy mode [chars] because config would create mode with insufficient [chars] power**

<b>Explanation</b>	Configuration set by user is not valid as power supplies in the active slots do not contain enough power to meet the power requirements
<b>Recommended Action</b>	Insert additional power supplies and configure them to be active or configure current standby power supplies to active such that power requirements are met

**IOSXE\_QFP****%IOSXE\_QFP-2-LOAD\_EXCEED : Slot: [int], QFP:[int], Load [int]#[hex]ceeds the setting threshold.**

<b>Explanation</b>	QFP Load exceeds setting threshold.
--------------------	-------------------------------------

---

**%IOSXE\_QFP-2-LOAD\_EXCEED : Slot: [int], QFP:[int], Load [int]#[hex]ceeds the setting threshold.**

**Recommended**      Monitor the traffic load.  
**Action**

---



---

**%IOSXE\_QFP-2-LOAD\_RECOVER : Slot: [int], QFP:[int], Load [int]%% recovered.**

**Explanation**      QFP Load recovered.  
**Recommended**      No action required (normal operation).  
**Action**

---

**IOSXE\_RP\_ALARM**

---

**%IOSXE\_RP\_ALARM-6-INFO : [chars] [chars] [chars]: [chars] [chars]**

**Explanation**  
**Recommended**  
**Action**

---



---

**%IOSXE\_RP\_ALARM-6-INFO : [chars] [chars] [chars] [chars] [chars]**

**Explanation**      Alarm assertion or deassertion information.  
**Recommended**      No action is required.  
**Action**

---



---

**%IOSXE\_RP\_ALARM-2-PEM : [chars] [chars] [chars]: [chars] [chars]**

**Explanation**  
**Recommended**  
**Action**

---



---

**%IOSXE\_RP\_ALARM-2-PEM : [chars] [chars] [chars] [chars] [chars]**

**Explanation**      Power Entity Module missing information  
**Recommended**      No action is required.  
**Action**

---



---

**%IOSXE\_RP\_ALARM-2-ESP : [chars] [chars] [chars]: [chars] [chars]**

**Explanation**

---

**%IOSXE\_RP\_ALARM-2-ESP : [chars] [chars] [chars]: [chars] [chars]**

**Recommended  
Action**

---



---

**%IOSXE\_RP\_ALARM-2-ESP : [chars] [chars] [chars] [chars] [chars]**

**Explanation** No ESP running alarm information

**Recommended  
Action** No action is required.

---

### IOSXE\_RP\_CFG\_NOT

---

**%IOSXE\_RP\_CFG\_NOT-3-MSGNOCAND : Can not construct a candidate entry for configuration export**

**Explanation** This error usually indicates either an out of memory condition or a TDL error. If ample memory is available, then the the TDL error may indicate a version conflict with respect to configuration.

**Recommended  
Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_CFG\_NOT-3-MSGNOPWARR : Can not construct an array for configuration export**

**Explanation** This error usually indicates either an out of memory condition or a TDL error. If ample memory is available, then the the TDL error may indicate a version conflict with respect to configuration.

**Recommended  
Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_CFG\_NOT-3-MSGNOUPDATEMSG : Can not construct an update message for configuration export**

**Explanation** This error usually indicates either an out of memory condition or a TDL error. If ample memory is available, then the the TDL error may indicate a version conflict with respect to configuration.

---

**%IOSXE\_RP\_CFG\_NOT-3-MSGNOUPDATEMSG : Can not construct an update message for configuration export**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOSXE\_RP\_CFG\_NOT-3-MSGNOREPLMSG : Can not construct a replace message for configuration export**

<b>Explanation</b>	This error usually indicates either an out of memory condition or a TDL error. If ample memory is available, then the the TDL error may indicate a version conflict with respect to configuration.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_CFG\_NOT-2-MSGNOEXP : Can not construct a '[chars]' message for configuration export: [chars]**

<b>Explanation</b>	This error usually indicates either an out of memory condition or a TDL error. If ample memory is available, then the the TDL error may indicate a version conflict with respect to configuration.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_CFG\_NOT-2-MSGTDLINITERORR : Configuration Notification messaging module initialization failed: Unable to initialize messaging: [chars]**

<b>Explanation</b>	The Configuration Notification subsystem has failed to initialize the infrastructure for messaging with the Pluggable Services Daemon. Notification of configuration to critical modules cannot proceed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_CFG\_NOT-2-MSGTDLERROR : Error processing TDL message. [dec]**

<b>Explanation</b>	An unexpected condition in which IOS has received a TDL message which it can not process.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_CFG\_NOT-2-MSGIPCINITERROR : Error initializing IPC queue**

<b>Explanation</b>	An unexpected condition in which IOS could not initialize a message queue to the PSD.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_CFG\_NOT-3-MSGIPCTXERROR : IPC transmit error. [dec]**

<b>Explanation</b>	An unexpected condition in which IOS encountered an error trying to send a message to another process. %d
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_CFG\_NOT-3-MSGOBJNULL : An unexpected condition in which IOS has received a null pointer that it expects to be non-null.**

<b>Explanation</b>	An unexpected condition has occurred while IOS is trying to process a username command.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_CFG\_NOT-3-MSGENCRYPTINVALID : The mcprp\_cfg\_notify subsystem has seen an encryption type it does not recognize. [dec]**

---

**Explanation** An unexpected condition has occurred while IOS is trying to process a username command.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_CFG\_NOT-3-NVWRITE\_EXPORT : Failed to export [chars] notification: [dec]**

---

**Explanation** When a 'write memory' or 'write erase' operation occurs, the Configuration Notification subsystem exports this event into the chassis file system. This message indicates that the export failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_CFG\_NOT-3-MCP\_DBPERSIST\_STAT : Failed to read [chars] property: [dec]**

---

**Explanation** When a 'reload' operation occurs, this chasfs property is read to determine the status of the DB persist/restore/delete operation. This message indicates that the read failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_CFG\_NOT-3-MCP\_DBPERSIST\_ERROR : System configuration update could not complete**

---

**Explanation** When a 'reload' operation occurs, this chasfs property is read to determine the status of the DB persist/restore/delete operation. This message indicates that the operation failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IOSXE\_RP\_CFG\_NOT-3-MCP\_FRU\_LOCATION : Failed to get local FRU location: [dec]**

<b>Explanation</b>	Unable to get local FRU location
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_CFG\_NOT-3-MCP\_FRU\_INVALID : Unknow FRU location: [chars]**

<b>Explanation</b>	Unknown FRU location
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_CFG\_NOT-3-BOOT\_VAR\_NOT\_SET : Boot variable either does not exist or buffer is too small. Keeping it blank.**

<b>Explanation</b>	Boot variable either does not exist or buffer is too small. Not able to set boot variable. Ignoring it. Aborting reload.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_CFG\_NOT-3-BOOT\_IMAGE\_NOT\_FOUND : Primary image is not found, the system is going to reload as per user request.**

<b>Explanation</b>	Primary image which is set in boot statement either does not exist or not found. Primary image is not found, it should prompt the user to see if they wish to proceed. Aborting reload.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_CFG\_NOT-6-IOX\_SERVICE\_NOTSUPPORTED : IOx service not supported.**

---

**Explanation** IOx service is not supported in this platform currently. This may be either due to the feature unavailability or due the current inadequate license level of the system.

**Recommended Action**

---

**IOSXE\_RP\_DPIDB**

---

**%IOSXE\_RP\_DPIDB-3-IDXBADRANGE : Datapath IDB index [dec] is not in a valid range**

---

**Explanation** An unexpected condition has occurred as the index of a datapath IDB is not valid.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-IDXALLOCFAILED : Datapath IDB index allocation failed: [chars]**

---

**Explanation** An unexpected condition has occurred as all the available of datapath IDB indices are used.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-IDXINSERTFAILED : Insertion of datapath IDB index [dec] into database failed**

---

**Explanation** An unexpected condition has occurred that insertion of datapath IDB indices failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_DPIDB-3-IDXLOOKUPFAILED : Lookup of datapath IDB index from the database failed ([chars])**

<b>Explanation</b>	An unexpected condition has occurred that lookup of datapath IDB indices failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_DPIDB-3-IDXDELETIONFAILED : Deletion of datapath IDB index from the database failed ([chars] - [hex]) rc [dec]**

<b>Explanation</b>	An unexpected condition has occurred that deletion of datapath IDB indices failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_DPIDB-3-NOHWSUBBLOCK : HWIDB [chars] does not have a hardware subblock**

<b>Explanation</b>	An unexpected condition has occurred that no hardware subblock was previously allocated for a HWIDB.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_DPIDB-3-NOSWSUBBLOCK : SWIDB [chars] does not have a software subblock**

<b>Explanation</b>	An unexpected condition has occurred that no software subblock was previously allocated for a SWIDB.
--------------------	--

---

**%IOSXE\_RP\_DPIDB-3-NOSWSUBBLOCK : SWIDB [chars] does not have a software subblock**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-IDBBADTYPE : Datapath IDB type [dec] is not valid**

**Explanation** An unexpected condition has occurred as the type of a datapath IDB is not valid.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-IDBEXIST : Datapath IDB already exists in this mapping entry: [chars]-[dec]**

**Explanation** An unexpected condition has occurred that an attempt is made to save datapath IDB in a mapping entry filled by another.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-IDBNONEXIST : Datapath IDB does not exist in this mapping entry: [chars]-[dec]**

**Explanation** Datapath IDB lookup points to empty mapping entry.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_DPIDB-3-RF : Datapath IDB RF operation failed - [chars]**

---

<b>Explanation</b>	Failure in some datapath ID RF activity.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-CF : Datapath IDB CF operation failed - [chars]**

---

<b>Explanation</b>	Failure in some datapath ID CF activity.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-RPC : Datapath IDB RPC operation failed - [chars]**

---

<b>Explanation</b>	Failure in some datapath ID RPC activity.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-REGISTRATION : ISSU [chars] failed for [chars]; [chars]**

---

<b>Explanation</b>	An ISSU registration for the set of initial capabilities and sessions failed due to the reason specified. This will have the effect of the DPIDX ISSU support being unavailable between peers.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_DPIDB-3-ISSU : [chars] [chars] failed; [chars]**

---

**Explanation** An operation pertaining to the ISSU support for DPIDX failed to complete using either the CF or IPC transport context with the reason specified

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-TRANSFORM : [chars] of [chars] via [chars] failed for dpidx [int]**

---

**Explanation** An attempt to either encode or decode a versioned synchronization message has failed due to an internal error encountered by the ISSU component.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-RECEIVE : Message via [chars] is [chars]**

---

**Explanation** An attempt to receive and process a versioned negotiation or synchronization message has failed due to an internal error being detected by the information received from the IPC or CF components.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-TRANSMIT : Unable to send via [chars] [chars] [chars] [chars]; [chars]**

---

**Explanation** An attempt to send a versioned negotiation or synchronization message has failed due to an internal error encountered by the IPC or CF components.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_DPIDB-3-NEGOTIATION : Failed to start ISSU [chars] session negotiation; [chars]**

<b>Explanation</b>	The ISSU negotiation with the peer failed to start for either the CF or IPC transport with the reason specified.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_DPIDB-6-READY : [chars] peer not ready, discarding [chars]**

<b>Explanation</b>	The synchronization attempt for the message has determined that the transport has lost communication with its peer. This is a normal situation which indicates that the standby route-processor is currently out of service implying a simplex redundancy mode.
<b>Recommended Action</b>	

**%IOSXE\_RP\_DPIDB-6-RELOAD : [chars], reloading [chars]**

<b>Explanation</b>	A synchronization attempt between the active and standby RP peers has failed with the reason indicated. The standby peer is reloaded in an attempt to resynchronize when operating in a stateful redundant mode.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_DPIDB-3-DECODE : Decode via [chars] of [chars] failed**

<b>Explanation</b>	A message of the transport and type described failed in its attempt to be decoded on the standby. The resultant action taken by the standby route processor is an attempt to resynchronize.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_DPIDB-3-PROGRESSION : Unable to inform RF of bulk sync completion; [chars]**

---

<b>Explanation</b>	The active route processor has sent a notification to the standby to inform of the completion of the bulk synchronization of the DPIDX configuration. The standby has failed to respond to the active informing that it received the notification noting the reason for the failure. The resultant action taken by the standby route processor is an attempt to resynchronize.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-BULK\_SYNC : Failed to send [chars] information to peer**

---

<b>Explanation</b>	The bulk synchronization of the DPIDX configuration to the standby RP has failed to complete successfully; DPIDX has therefore taken the action which will result in a reload of the peer in order to once more attempt to successfully synchronize the configuration state which may have failed initially to a transient condition.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-DYN\_SYNC : Failed to process [chars] dynamic state**

---

<b>Explanation</b>	The incremental synchronization of the DPIDX configuration to the standby RP has failed to complete successfully. This implies that the configuration state between the active and standby RP is inconsistent.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interfaces</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-6-TIMEOUT : Bulk sync is flow controlled by [chars]**

---

<b>Explanation</b>	The bulk synchronization of the DPIDX configuration to the standby RP has encountered a flow control condition which has effected a timeout awaiting the condition to clear. This will result in a reload of the standby RP to allow the bulk synchronization to restart.
--------------------	---



---

**%IOSXE\_RP\_DPIDB-6-TIMEOUT : Bulk sync is flow controlled by [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---

---

**%IOSXE\_RP\_DPIDB-3-IDBNOTVAI : Invalid API call for [chars]**

<b>Explanation</b>	Failure in an internal API
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_DPIDB-3-NULLTIMER : NULL timer**

<b>Explanation</b>	A timer is NULL
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_DPIDB-3-LIST : List [chars] failed for [chars]**

<b>Explanation</b>	List enqueue or removal failed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show interface</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_DPIDB-3-FASTNOTIFY : Fast notify failed for [chars]**

<b>Explanation</b>	A fast notify message failed
--------------------	------------------------------

---

---

**%IOSXE\_RP\_DPIDB-3-FASTNOTIFY : Fast notify failed for [chars]**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-DOWNLOADFAIL : Unable to download [chars] message to [chars]**

**Explanation** An unexpected condition has occurred which resulted in a configuration not being sent to the reported process.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-FRRDLFLOWIDDELETIONFAILED : Deletion of fast-reroute flow ID with manager failed**

**Explanation** An unexpected condition has occurred that deletion of fast-reroute flow ID.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show interface** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-EFPSTATSFAILED : EFP stats message data get error: ([dec]) for EFP [int] on [chars]**

**Explanation** An unexpected error occurred extracting fields from an EFP stats message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_DPIDB-3-MTU\_ALLOC\_FAIL : No hardware resources for [int] byte MTU on [chars]**

**Explanation** We reached to the threshold of maximum supported unique MTU on this platform.

---

---

**%IOSXE\_RP\_DPIDB-3-MTU\_ALLOC\_FAIL : No hardware resources for [int] byte MTU on [chars]**

**Recommended Action** No action is required.

---

---

**%IOSXE\_RP\_DPIDB-3-IP\_MTU\_ALLOC\_FAIL : No hardware resources for [int] byte IP MTU on [chars]**

**Explanation** We reached to the threshold of maximum supported unique IP MTU on this platform.  
**Recommended Action** No action is required.

---

**IOSXE\_RP\_IF\_FLOW\_IDS**

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-NO\_BUFF\_FOR\_SYNC : The Checkpoint Facility reported the error [chars] during a request for a buffer length of [dec]. This [chars] CF client has failed to synchronize a transaction to the Standby RP.**

**Explanation** This error indicates that the buffer management within the Checkpoint Facility has either run out of buffers, or has some other problem. If this occurs during Bulk Sync then Bulk Sync will terminate without completing. Otherwise the incremental Sync will fail.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-BUFF\_OFFSET\_NULL : Unable to utilize the memory buffer provided by the Checkpoint Facility. This [chars] CF client has failed to Bulk Sync.**

**Explanation** This error indicates the Checkpoint Facility is having problems recognizing its own buffer layout. If this occurs during Bulk Sync then Bulk Sync will terminate without completing. Otherwise the incremental Sync will fail.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-CF\_SEND\_BULK\_NONBLOCKED : The Checkpoint Facility reported the error [chars] while attempting to send a message. Bulk Sync of this [chars] CF client is terminating.**

**Explanation** This error indicates the Checkpoint Facility has internal problems related to IPC, and cannot perform a non-blocked send operation.

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-CF\_SEND\_BULK\_NONBLOCKED : The Checkpoint Facility reported the error [chars] while attempting to send a message. Bulk Sync of this [chars] CF client is terminating.**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-DEFERRED\_DURING\_BULK\_SYNC : Encountered error [chars] while trying to place an [chars] transaction on the Deferred list during Bulk Sync for the [chars] CF client.**

**Explanation** Unable to cache a deferred transaction while Bulk Sync is underway. This can adversely impact SSO state on the Standby RP.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-CF\_SEND\_INCR\_NONBLOCKED : The Checkpoint Facility reported the error [chars] while attempting to send a non-blocked message. The Incremental Sync transaction for this [chars] CF client cannot be sent to the Standby RP.**

**Explanation** This error indicates the Checkpoint Facility has internal problems related to IPC.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-6-CFPEER\_CANNOT\_RECV : The Checkpoint Peer is not ready to receive messages. The Incremental Sync transaction for this [chars] CF client will not occur.**

**Explanation** This error indicates the Checkpoint Facility has signalled the peer has gone away.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-SEND\_FAIL\_RELOAD : Checkpoint Facility Failed to send a [chars] transaction for this [chars] CF client. Reloading the Standby RP.**

---

<b>Explanation</b>	This indicates the underlying Checkpoint Facility could not deliver a message sent from the active RP to the standby RP. The process will automatically reload the standby RP.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-4-DEF\_LIST\_REMOVE : Failed to remove one entry from the Deferred Sync list, for the [chars] CF client.**

---

<b>Explanation</b>	An unexpected condition occurred during list maintenance.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-CF\_CANNOT\_REGISTER : The call to add this [chars] CF client to the Checkpoint Facility failed with the error [chars]. This client is unable to proceed and will not be registered.**

---

<b>Explanation</b>	For some reason the Checkpoint Facility will not register this client. As a result the Standby will never receive synchronized state from this CF client on the Active RP. The system is not capable of SSO and HA switchover.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_PEER\_EVENT\_BUFFER : This [chars] RF client is unable to acquire an event buffer to send an RF peer message, the error [chars] was returned.**

---

<b>Explanation</b>	This indicates the RF facility is unable to provide a message buffer needed to communicate with the RF peer. As a consequence the RF progression may be compromised.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_SEND\_PEER : This [chars] RF client encountered error [chars], when attempting to send a peer message.**

---

**Explanation** This indicates the RF facility could not send a message to the RF peer. As a consequence the RF progression may be compromised.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_PROCESS\_FAILED : This [chars] RF client Failed to create the Bulk Sync Process.**

---

**Explanation** The background process which performs the RF Bulk Sync failed to be created. As a consequence the Standby will never obtain the relevant SSO state to enable HA switchover.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_POOL\_REGEN\_PROCESS\_FAILED : The [chars] RF client Failed to create the Id Pool Regeneration process.**

---

**Explanation** The background process which performs Flow Control Id Pool regeneration failed to start. As a consequence the Standby will never obtain the relevant SSO state to enable HA switchover.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_POOL\_REGEN\_ERROR : Id Pool Regeneration encountered error code [dec], cannot switchover.**

---

**Explanation** The background process which performs Flow Control Id Pool regeneration encountered an error. As a consequence the Standby does not have valid Flow Id pools and cannot progress to Active state.

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_POOL\_REGEN\_ERROR : Id Pool Regeneration encountered error code [dec], cannot switchover.**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_SPA\_ID\_REGEN\_ERROR : Error code [dec] encountered trying to regenerate spa [chars] identifier in slot/subslot ([int]/[int])**

**Explanation** The background process which performs Flow Control Id Pool regeneration encountered an error. As a consequence the Standby does not have valid Id pools and cannot progress to Active state.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_IF\_ID\_REGEN\_ERROR : Error code [dec] encountered trying to regenerate interface flow-control identifier. If id [int] resides in slot/subslot/port ([int]/[int]/[int]).**

**Explanation** The background process which performs Flow Control Id Pool regeneration encountered an error. As a consequence the Standby does not have valid Id pools and cannot progress to Active state.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RF\_ADD\_CLIENT\_FAILED : The RF facility failed to add this [chars] client, reason given is [chars].**

**Explanation** This indicates the RF facility could not add the client.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-REGISTRATION : ISSU [chars] failed for [chars]; [chars]**

---

<b>Explanation</b>	An ISSU registration for the set of initial capabilities and sessions failed due to the reason specified. This will have the effect of the SPA MARMOT ID ISSU support being unavailable between peers.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-ISSU\_OP : [chars] [chars] failed; [chars]**

---

<b>Explanation</b>	An operation pertaining to the ISSU support for SPA MARMOT IDs failed to complete using the CF transport context with the reason specified
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-TRANSFORM : [chars] of [chars] via CF failed**

---

<b>Explanation</b>	An attempt to either encode or decode a versioned synchronization message has failed due to an internal error encountered by the ISSU component.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-TRANSMIT : Unable to send via [chars] [chars] [chars] [chars]; [chars]**

---

<b>Explanation</b>	An attempt to send a versioned negotiation or synchronization message has failed due to an internal error encountered by the CF component.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IOSXE\_RP\_IF\_FLOW\_IDS-3-NEGOTIATION : Failed to start ISSU [chars] session negotiation; [chars]**

<b>Explanation</b>	The ISSU negotiation with the peer failed to start for either the CF or IPC transport with the reason specified.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_IF\_FLOW\_IDS-6-READY : [chars] peer not ready, discarding [chars]**

<b>Explanation</b>	The synchronization attempt for the message has determined that the transport has lost communication with its peer. This is a normal situation which indicates that the standby route-processor is currently out of service implying a simplex redundancy mode.
<b>Recommended Action</b>	

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-DECODE : Decode via CF of [chars] failed**

<b>Explanation</b>	A message sent via the CF transport failed in its attempt to be decoded on the standby. The resultant action taken by the standby route processor is an attempt to resynchronize.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_IF\_FLOW\_IDS-3-RECEIVE : Client reports message CF is [chars]**

<b>Explanation</b>	An attempt to receive and process a versioned negotiation or synchronization message has failed due to an internal error being detected by the information received from the CF component.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

## IOSXE\_RP\_MGMTE through IOSXE\_UTD

- [IOSXE\\_RP\\_MGMTE](#)

- [IOSXE\\_RP\\_NV](#)
- [IOSXE\\_RP\\_SPA](#)
- [IOSXE\\_RP\\_VTYMGT](#)
- [IOSXE\\_SERVICE\\_ENGINE](#)
- [IOSXE\\_SPA](#)
- [IOSXE\\_TIMESTAMP\\_ENGINE](#)
- [IOSXE\\_UPGRADE\\_ROMMON](#)
- [IOSXE\\_USB](#)
- [IOSXE\\_UTD](#)

## IOSXE\_RP\_MGMTE

---

### %IOSXE\_RP\_MGMTE-3-MSGCREATENULL : Cannot allocate [chars] TDL message

---

<b>Explanation</b>	An unexpected condition in which IOS cannot allocate TDL message for Management ethernet.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

### %IOSXE\_RP\_MGMTE-3-MSGTDLINITERROR : Management ethernet interface messaging module initialization failed: Unable to initialize messaging: [chars]

---

<b>Explanation</b>	The Management ethernet interface subsystem has failed to initialize the infrastructure for messaging with the Pluggable Services Daemon. Configuration of management ethernet modules cannot proceed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

### %IOSXE\_RP\_MGMTE-3-PROCESS\_CREATE\_FAIL : Management ethernet statistics process creation failed

---

<b>Explanation</b>	Can not create IOS process for RP management ethernet port statistics collection
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IOSXE\_RP\_NV****%IOSXE\_RP\_NV-3-NV\_ACCESS\_FAIL : Initial read of NVRAM contents failed**

<b>Explanation</b>	This error happens when the contents of the NVRAM cannot be read during system initialization. The failure may be due to data corruption of the NVRAM contents. The initial configuration dialog will be entered and the configuration must be restored.
<b>Recommended Action</b>	LOG_STD_ACTION

**%IOSXE\_RP\_NV-3-BACKUP\_NV\_ACCESS\_FAIL : Initial read of backup NVRAM contents failed**

<b>Explanation</b>	This error happens when the contents of the backup NVRAM cannot be read during system initialization. The failure may be due to data corruption of the backup NVRAM contents. The primary nvram contents will be backed up here again.
<b>Recommended Action</b>	LOG_STD_ACTION

**IOSXE\_RP\_SPA****%IOSXE\_RP\_SPA-3-SEND\_NGIO\_MSG\_FAIL : NGIO Module message send failed for slot [dec] subslot [dec]**

<b>Explanation</b>	Failed to send ngio msg to iomd.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_SPA-3-MAC\_FILTER\_ADD\_FAIL : All the available [dec] mac filters for [chars] have been consumed. Failed to add [enet] for interface [chars]**

<b>Explanation</b>	The hardware cannot support any more filters.
<b>Recommended Action</b>	The interface configuration should be reworked to not cross the limit set by the hardware. If the error is still seen please LOG_STD_SH_TECH_ACTION

**%IOSXE\_RP\_SPA-3-SEND\_L2\_HDR\_MSG\_FAIL : slot [dec] subslot [dec]**

<b>Explanation</b>	Failed to send ngio L2 header to iomd.
--------------------	--

---

**%IOSXE\_RP\_SPA-3-SEND\_L2\_HDR\_MSG\_FAIL : slot [dec] subslot [dec]**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-NO\_HOST\_INFO : slot [dec] subSlot [dec], spaType [hex]**

**Explanation** Failed to get information about the host linecard.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-MAX\_SPA : Power to IPSEC-SPA-2G in [chars] is denied because it has exceeded the number allowed([dec])**

**Explanation** The number of IPSEC-SPA-2G in a chassis is limited. This message is displayed when the number of IPSEC-SPA-2G in the chassis has exceeded this limit.

**Recommended Action** Use only the number of supported IPSEC-SPA-2G

---



---

**%IOSXE\_RP\_SPA-3-SPA\_NO\_HOST\_INFO : slot [dec] subSlot [dec], PID [chars]**

**Explanation** Failed to get information about the host linecard.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-HWIDB\_FAILURE : Creation: slot [dec] subSlot [dec] port [dec] vc [dec]**

**Explanation** Failed to create an interface hwidb.

---

**%IOSXE\_RP\_SPA-3-HWIDB\_FAILURE : Creation: slot [dec] subSlot [dec] port [dec] vc [dec]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_RP\_SPA-3-INVALID\_PORT\_NUM : slot=[dec] port=[dec], hwidbType=[hex], max\_port\_num=[dec], LcType=[hex]**

<b>Explanation</b>	The port number is out of range.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_SPA-4-SPA\_RESP\_CMD\_MISMATCH : [chars]: Expecting response to interface configuration command [int] but received response to command [int].**

<b>Explanation</b>	An internal synchronization error occurred while configuring the interface. The configuration may not have succeeded.
<b>Recommended Action</b>	Check that the running configuration for the interface is correct. If this message occurred on the standby, try reloading the standby to ensure that its configuration is in sync. If this message is repeatable, please LOG_STD_SH_TECH_ACTION

**%IOSXE\_RP\_SPA-6-CARDRELOAD : Module [int] reload due to SPA insert in [int]/[int].**

<b>Explanation</b>	When inserting a SPA on this carrier card, the card is reset.
<b>Recommended Action</b>	No action is required.

**%IOSXE\_RP\_SPA-6-CTRLRSWITCH : switching controller type from [chars]([dec]) to [chars]([dec]) for subslot [int]/[int].**

<b>Explanation</b>	When IOSXE-SIP40 is inserted in the slot previously occupied by IOSXE-SIP10 or vice-versa the controller type of the card is overwritten to reflect the current SIP.
<b>Recommended Action</b>	No action is required.

---

**%IOSXE\_RP\_SPA-4-SPA\_CMD\_NO\_RESP : [chars]: No response for interface configuration command [int]**

---

**Explanation** A timeout occurred while RP was waiting for a response from line card. This may happen due to line card CPU being too busy to respond to the command.

**Recommended Action** No action is required.

---



---

**%IOSXE\_RP\_SPA-3-IPCALLOCFAIL : Failed to allocate IPC buffer [chars]**

---

**Explanation** The RP failed to allocate a buffer for communication with a SPA

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-DPIDX\_LKUP\_FAIL : Failed to retrieve datapath identifier for interface [chars]**

---

**Explanation** The SPA driver is not able to retrieve the datapath identifier for the interface specified in the message. This indicates a software error.

**Recommended Action** No action is required.

---



---

**%IOSXE\_RP\_SPA-3-FLOWID\_ALLOC\_FAIL : Failed to allocate a flow control identifier for interface [chars]**

---

**Explanation** The SPA driver is not able to allocate the datapath flow control identifier for the interface specified in the message. This indicates a software error.

**Recommended Action** No action is required.

---



---

**%IOSXE\_RP\_SPA-3-FLOWID\_RELEASE\_FAIL : Failed to release a flow control identifier for interface [chars] (status = [dec])**

---

**Explanation** The SPA driver is not able to release the datapath flow control identifier for the interface specified in the message. This indicates a software error.

**Recommended Action** No action is required.

---

**%IOSXE\_RP\_SPA-3-VC\_PROV\_FAIL : Failed to provision interface [chars]**

**Explanation** The SPA driver is not able to provision the interface specified in the message. Verify that the SPA hardware is not provisioned above the supported limit. Otherwise, this indicates a hardware error.

**Recommended Action** No action is required.

**%IOSXE\_RP\_SPA-3-CI\_UPDATE\_FAIL : Failed to update connection identifier for interface [chars]**

**Explanation** The SPA driver is not able to update the datapath connection identifier for the interface specified in the message. This indicates a software error.

**Recommended Action** No action is required.

**%IOSXE\_RP\_SPA-3-NULL\_DATA\_STRUCTURE : common\_str\_empty\_str**

**Explanation** A SPA driver is not able to retrieve the data structure mentioned in the message. This indicates a software error.

**Recommended Action** No action is required.

**%IOSXE\_RP\_SPA-3-HWIDB\_INIT\_FAIL : Failed to initialize data structure for SPA port [dec]/[dec]/[dec]**

**Explanation** A SPA driver was not able to properly initialize a data structure mentioned in the message. This indicates a software error.

**Recommended Action** No action is required.

**%IOSXE\_RP\_SPA-3-ERROR : common\_str\_empty\_str**

**Explanation** This message can take many forms. It provides information about a software error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_SPA-4-LCLOG\_TOOLONG : Message too long from slot [int]/[int]: [int] bytes**

**Explanation** The SPA module passed down a logger message that is too long for the RP to handle.

---

**%IOSXE\_RP\_SPA-4-LCLOG\_TOOLONG : Message too long from slot [int]/[int]: [int] bytes**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IOSXE\_RP\_SPA-4-LCLOG\_PARSE\_ERR : Error parsing logger message: [chars] from subslot [int]/[int]**

<b>Explanation</b>	The SPA module passed down a logger message that could not be parsed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-BAD\_IFCOMTYPE : Bad ifcom message type=[int]**

<b>Explanation</b>	A SPA module passed down a message that the RP software was not prepared to handle.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-4-IPCFAILED : IPC failed to send RPC message to SPA module**

<b>Explanation</b>	The RP failed to send an RPC message via IPC to a SPA module.
<b>Recommended Action</b>	No action is required.

---



---

**%IOSXE\_RP\_SPA-3-FOREVER : cmd [int] to [chars] (slot [int]/[int]) took [int]secs, done [hex]**

<b>Explanation</b>	A CCB command from the RP to a SPA module took longer than expected.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IOSXE\_RP\_SPA-4-SEMAHOG : Process [dec] ([chars]) hogging [chars]! calling proc [dec] ([chars])**

<b>Explanation</b>	The RP waited too long for a reply to a command sent to a SPA module.
<b>Recommended Action</b>	No action is required.

**%IOSXE\_RP\_SPA-3-IPCPORTFAIL : Failed to open IPC port '[chars]' with error [chars]**

<b>Explanation</b>	The RP failed to open a port for communication with a SPA module.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_SPA-4-CCB\_PLAYBACK\_ERROR : CCB playback failed for slot [dec].**

<b>Explanation</b>	The High Availability component for SPA modules failed to synchronize some new state information for the specified slot.
<b>Recommended Action</b>	Reload the standby supervisor module to force a fresh bulk synchronization. If this error recurs, LOG_STD_ACTION

**%IOSXE\_RP\_SPA-4-CCB\_RECORD\_ERROR : CCB record failed for slot [dec].**

<b>Explanation</b>	The High Availability component for SPA modules failed to record some new state information for the specified slot.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_SPA-3-IPCSENDFAIL : Failed to send IPC message [chars]**

<b>Explanation</b>	The RP failed to send a message to a SPA module.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_SPA-3-IFCFG\_NO\_UNIQUE\_KEY : No unique-key generator registered for interface configuration command [int].**

---

**Explanation** The High Availability component for SPA modules is unable to properly synchronize state information for the current configuration.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-IFCFG\_FOREVER : to [chars] (slot [int]/[int]) took [int]secs, ret\_val [int]**

---

**Explanation** A interface config command from the RP to a SPA module took longer than expected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-4-IFCFG\_CMD\_TIMEOUT : Interface configuration command ([hex]) to slot [int]/[int] timed out**

---

**Explanation** The RP sent an configuration command to the slot specified in the error message and received no confirmation for the command.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-IFCFG\_CMD\_NOT\_OWNER : Process '[chars]' waiting for interface configuration command ([hex]) to slot [int]/[int] without acquiring lock owned by process '[chars]'**

---

**Explanation** A process on the RP sent an configuration command to the slot specified in the error message and a different process waited for the result. This could cause incorrect line card configuration states.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_RP\_SPA-4-IFCFG\_DFLT\_LIST\_ERROR : For Interface Configuration command [int], default retval list search resulted [hex] for slot [int]/[int]**

---

<b>Explanation</b>	The High Availability component for SPA modules failed to synchronize some new state information for the specified slot.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show platform redundancy if-config default-retvals)

---



---

**%IOSXE\_RP\_SPA-4-IFCFG\_PLAYBACK\_ERROR : Interface Configuration command [int] playback failed for slot [int]/[int].**

---

<b>Explanation</b>	The High Availability component for SPA modules failed to synchronize some new state information for the specified slot.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-4-IFCFG\_RECORD\_ERROR : Interface Configuration command [int] record failed for slot [int]/[int].**

---

<b>Explanation</b>	The High Availability component for SPA modules failed to record some new state information for the specified slot.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-4-INCR\_CFG\_SYNC\_FAIL : [chars] incremental running-config sync for [[dec]/[dec]] failed - [chars]([dec]) , Reload Standby**

---

<b>Explanation</b>	The specified IOSXE incremental running-config sync failed
<b>Recommended Action</b>	Power cycle the redundant supervisor

---



---

**%IOSXE\_RP\_SPA-3-IPCPORT : Failed to [chars] IPC port '[chars]', error [chars]**

---

<b>Explanation</b>	The Linecard failed to create a port for communication with the Route Processor (IOSXE-RP).
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

---

---

**%IOSXE\_RP\_SPA-3-PROGRESSION : Unable to inform RF of bulk sync completion; [chars]**

---

**Explanation** The standby has failed to notify the active that its bulks synchronization of the SPA TSM has completed. The resultant action taken by the standby route processor is an attempt to resynchronize.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-VC\_FLOWID\_ALLOC\_FAIL : Failed to allocate a flow control identifier for VC [dec] under interface [chars]**

---

**Explanation** The SPA driver is not able to allocate the datapath flow control identifier for the VC/interface specified in the message. This indicates a software error.

**Recommended Action** No action is required.

---



---

**%IOSXE\_RP\_SPA-3-VC\_INGID\_ALLOC\_FAIL : Failed to allocate a ingress identifier for VC [dec] interface [chars]**

---

**Explanation** The SPA driver is not able to allocate the datapath ingress identifier for the VC/interface specified in the message. This indicates a software error.

**Recommended Action** No action is required.

---



---

**%IOSXE\_RP\_SPA-4-SPA\_RESP\_CMD\_ERR : [chars]: Received response to interface configuration command [chars] with wrong return value [int].**

---

**Explanation** An internal error occurred while configuring the interface. The configuration may not have succeeded.

**Recommended Action** Check that the running configuration for the interface is correct. If this message is repeatable, please LOG\_STD\_SH\_TECH\_ACTION

---



---

**%IOSXE\_RP\_SPA-3-FRR\_CFG\_REC\_FAIL : Failed to record fast reroute configuration on [chars]: [chars]**

---

**Explanation** This message is displayed when a fast reroute configuration is not properly recorded.

---

**%IOSXE\_RP\_SPA-3-FRR\_CFG\_REC\_FAIL : Failed to record fast reroute configuration on [chars]: [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IOSXE\_RP\_SPA-3-MISSING\_SPA\_PKG\_ERR : sipspa[chars] package is not installed for slot = [dec] and subslot = [dec], SPA bootup failed.**

<b>Explanation</b>	This message is displayed when attempting to bootup a SPA without installing a subpackage required for the same.
<b>Recommended Action</b>	Download the sub-package required for the affected SPA from the Cisco CCO software download site and install the same. This SPA can be booted in sub-package mode only. Please refer to the Cisco ASR platform documentation for obtaining and installing sub-packages.

**%IOSXE\_RP\_SPA-3-UNSUPPORTED\_SRVCS\_SPA : Service SPA ([hex]) in [dec]/[dec] is not supported. SPA bootup failed.**

<b>Explanation</b>	This message is displayed when attempting to bootup any service SPA in router running non K9 image, i.e., non-crypto image.
<b>Recommended Action</b>	Download the K9 IOS XE sub-packages and the required sub-package for the given service SPA from the Cisco CCO software download site and install the same. This SPA can be booted in sub-package mode only. Please refer to the Cisco ASR platform documentation for obtaining and installing sub-packages.

**%IOSXE\_RP\_SPA-3-MISSING\_SPA\_PKG\_WARN : sipspa[chars] package is not installed in standby for slot = [dec] and subslot = [dec].**

<b>Explanation</b>	This message is displayed in standby console when attempting to bootup or restart or reload a WMA SPA without installing a subpackage in the standby RP, although the SPA is or will be operational due to prior wma spa package installation in active RP. If switchover takes place the WMA SPA will still be operational. But any subsequent soft or hard oir of the SPA will fail due to missing sub package required to boot up the SPA. Hence it is recommended to complete the wma spa package installation in standby also before switchover or immidiately after switchover.
<b>Recommended Action</b>	Download the sub-package required for the affected SPA from the Cisco CCO software download site and install the same for the standby RP as is done on active RP. Please refer to the Cisco ASR platform documentation for obtaining and installing sub-packages.

---

**%IOSXE\_RP\_SPA-3-SPA\_WRONGTYPE : Mismatched SPA type ([dec]) in slot [dec]/[dec]. Expected type [dec]. Use 'no card [dec]/[dec]' command to override preprovisioning and update card type.**

---

**Explanation** The SPA inserted does not match the currently provisioned SPA type.

**Recommended Action** Replace wrong SPA with currently provisioned SPA type, or type 'no card' to allow new card type to be discovered.

---



---

**%IOSXE\_RP\_SPA-6-MEDIA\_AUTOFAILOVER : Media Fail over from ([chars]) to ([chars])**

---

**Explanation** Gige Media Failover.

**Recommended Action** This is informational message, Not an error message. Use 'show interface gig' to see the current active media type.

---



---

**%IOSXE\_RP\_SPA-3-SONET\_ALARM\_PROC\_ERR : [chars] Error has occurred while processing in the sonet alarm-proc**

---

**Explanation** Either free/create of the memory failed in SONET alarm proc

**Recommended Action**

---



---

**%IOSXE\_RP\_SPA-3-LIC\_REQ\_FAILED : [int]/[int]/[int]: Interface enable not allowed - license request failed , err=[hex]**

---

**Explanation** A 10 Gig License is required to enable this port. License request has been denied by license manager

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_SPA-3-LIC\_REL\_FAILED : [int]/[int]/[int]: Failed to release license feature [chars], handle=[hex], err=[hex]**

---

**Explanation** License release has been denied by license manager

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_SPA-3-LIC\_REG\_FAILED : [int]/[int]/[int]: Failed to register license feature [chars], err=[hex]**

<b>Explanation</b>	License registration has been denied by license manager
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_RP\_VTYMGT****%IOSXE\_RP\_VTYMGT-3-MSGDISPATCHNULL : Received NULL TDL message**

<b>Explanation</b>	An unexpected condition in which IOS has received a NULL TDL message for Vty Management.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_VTYMGT-3-MSGDISPATCH : Unable to dispatch received TDL messages for Vty Management**

<b>Explanation</b>	An unexpected condition has occurred while IOS is trying to dispatch to the TDL message handler functions for received TDL messages for Vty Management.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_VTYMGT-3-MSGMISSINGFIELD : Missing field '[chars]' in TDL Vty Management message '[chars]' received**

<b>Explanation</b>	A message missing a required field was received for Vty Management
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_VTYMGT-3-MSGINVALIDFIELDINT : Invalid field '[chars]' in TDL message '[chars]' received: value '[int]' for Vty Management**

---

<b>Explanation</b>	A message with an invalid field value was received for Vty Management
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_VTYMGT-3-MSGINVALIDFIELDSTR : Invalid field '[chars]' value '[chars]' in TDL message '[chars]' received for Vty Management**

---

<b>Explanation</b>	A message with an invalid field value was received for Vty Management
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_VTYMGT-3-MSGERROR : Error '[dec]' handling a received TDL message '[chars]' for Vty Management: [chars]**

---

<b>Explanation</b>	An unexpected condition has occurred while IOS is processing a received Vty Management TDL message
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_VTYMGT-3-MSGBUILDERROR : Error '[dec]' building TDL Vty Management message '[chars]': [chars]**

---

<b>Explanation</b>	An unexpected condition has occurred while IOS is building a TDL response message for Vty Management
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_VTYMGT-3-MSGMARSHALERROR : Error '[dec]' marshaling TDL Vty Management message '[chars]': [chars]**


---

**Explanation** An unexpected condition has occurred while IOS is marshaling TDL response message for Vty Management

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_VTYMGT-3-MSGENQUEUEERROR : Error queueing TDL Vty Management message '[chars]'**


---

**Explanation** An unexpected condition has occurred when IOS attempted to queue a TDL response message for Vty Management

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_VTYMGT-3-MSGBIPCERR : Unable to process received BIPC messages for Vty Management, error: [chars]**


---

**Explanation** An unexpected condition has occurred while IOS was trying to process a received BIPC message for Vty Management.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_RP\_VTYMGT-3-MSGBIPCBUFFER : Unable to acquire a BIPC buffer of length [dec] for sending messages.**


---

**Explanation** A message was to be sent by IOS, but no BIPC buffer was available. The message to be sent has been discarded and the associated operation failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_RP\_VTYMGT-3-MSGEXTAPPUPDATE : Unable to update external application data for line '[dec]'**

**Explanation** An attempt to update the external application for a line failed unexpectedly. The line update failed and if the line number specified is valid, the line was released.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_VTYMGT-3-MSGVTYSVCINIT : Unable to initialize the Vty Management service listen port**

**Explanation** The platform IPC services failed to register the Vty Management service's need for a listen port. The Vty Management service will be unable to process requests. IOS services will be unavailable to external access methods.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_VTYMGT-3-MSGVTYCOUNT : Invalid vty count [dec] detected on initialization**

**Explanation** Upon initialization, the Vty Management subsystem checks that the number of available vtys for the platform is valid.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_RP\_VTYMGT-3-SET\_ACCESS\_FAIL : Installing LIIN interface access control failed**

**Explanation** This error happens when the Vty Management subsystem failed to set the access control function for the LIIN, possibly due to IOS out of memory or corruption. Persistent access features into IOS will not work.

**Recommended Action** LOG\_STD\_ACTION

**IOSXE\_SERVICE\_ENGINE****%IOSXE\_SERVICE\_ENGINE-3-MSGOPENFAIL : Cannot open interface [chars] ([dec])**

<b>Explanation</b>	During the creation of a Service-Engine interface, it is necessary to program the system parameters in the driver. The driver cannot be opened.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SERVICE\_ENGINE-3-MSGSETFAIL : Set id on interface [chars] ([dec])**

<b>Explanation</b>	During the creation of a Service-Engine interface, it is necessary to program the system parameters in the driver. The failed to accept the programming.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SERVICE\_ENGINE-3-MSGINITFAIL : Initialization of interface [chars] failed**

<b>Explanation</b>	The initialization of the interface mentioned in the error message has failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_SPA****%IOSXE\_SPA-3-CREATION\_FAILURE : slot=[dec] subslot=[dec], spa\_type=[hex], lc\_type=[hex].**

<b>Explanation</b>	Failed to create a SPA object.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_SPA-3-SPA\_CREATION\_FAILURE : slot=[dec] subslot=[dec], PID=[chars] lc\_type=[hex].**


---

<b>Explanation</b>	Failed to create a SPA object.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-NULL\_VFT : [chars] virtual function table is not initialized. spaType=[hex]**


---

<b>Explanation</b>	A required function table is not initialized
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-NULL\_VFUNC : [chars] vector is not initialized. spaType=[hex]**


---

<b>Explanation</b>	A required function vector is not initialized
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-MEM\_ALLOC\_ERROR : [chars]**


---

<b>Explanation</b>	Memory allocation error.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_SPA-3-NULL\_SPA\_PTR :**

---

<b>Explanation</b>	Pointer to a SPA object is NULL.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-NULL\_BAY\_PTR :**

---

<b>Explanation</b>	Pointer to SPA bay is NULL.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-INVALID\_SLOT\_NUM : slot= [dec], max slot = [dec]**

---

<b>Explanation</b>	An invalid slot number is specified in one of the internal APIs.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-INVALID\_SUBSLOT\_NUM : subslot= [dec], max subslot = [dec]**

---

<b>Explanation</b>	An invalid subslot number is specified in one of the internal APIs.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_SPA-3-INVALID\_DB\_NUM : db = [dec], max db = [dec], db intf = [dec], max db intf = [dec]**

---

<b>Explanation</b>	An invalid daughter board number is specified in one of the internal APIs.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-INVALID\_RP\_SLOT\_NUM : slot= [dec], max slot = [dec]**

---

<b>Explanation</b>	An invalid RP slot number is specified in one of the internal APIs.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-INVALID\_CPU\_NUM : cpu= [dec], max cpu = [dec]**

---

<b>Explanation</b>	An invalid CPU number is specified in one of the internal APIs.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-INVALID\_SLOTUNIT\_NUM : cardwide-port = [dec], max cardwide-port = [dec]**

---

<b>Explanation</b>	An invalid cardwide-port number is specified in one of the internal APIs.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_SPA-3-INVALID\_INDEX\_RANGE : index1= [dec], index2= [dec], maxIndex= [dec]**

<b>Explanation</b>	An invalid index range is specified in one of the internal APIs.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SPA-3-INVALID\_IF\_INDEX : index= [dec], spaType=[hex], slot [dec] subSlot [dec] slotunit [dec] vc [dec]**

<b>Explanation</b>	Index for the interface is not valid.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SPA-3-INVALID\_DATA\_INSTANCE : interface type [chars], slot [dec] port [dec] vc [dec] : [chars]**

<b>Explanation</b>	Data required to support the interface is not available.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SPA-3-POWER\_CYCLE : [chars] occurred on Shared Port Adapter [int]/[int]**

<b>Explanation</b>	An error has occurred which will cause the Shared Port Adapter to be power cycled
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_SPA-3-DIAG\_CONFIG : [chars] did not complete [dec]/[dec]**

---

<b>Explanation</b>	An error has occurred during diagnostic test.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-UNSUPPORTED\_DATA : Data conversion error ([chars], [hex])**

---

<b>Explanation</b>	An internal software error has occurred when converting the data specified in the message from one representation to another.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-IPC\_FAILURE : IPC failure while [chars]**

---

<b>Explanation</b>	An error has occurred while preparing or sending an IPC message.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-SENDCFGFAIL : Failed to send configuration for [chars] to carrier-card for subslot=[dec]/[dec]**

---

<b>Explanation</b>	Sending configuration failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IOSXE\_SPA-3-CREATE\_TDLH\_FAILURE : Failed to create SPA [dec]/[dec] handle**

<b>Explanation</b>	Failed to create message handle for SPA communication.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SPA-3-DOMAIN\_TDLH\_FAILURE : [chars], rc = [dec]**

<b>Explanation</b>	Failed to bind message handle for SPA communication.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SPA-3-SETUP\_TDLH\_FAILURE : Failed to set the alloc/free handler for SPA [dec]/[dec] handle**

<b>Explanation</b>	Failed to set the alloc/free handler for SPA communication.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_SPA-3-DISPATCH\_INIT\_TDLH\_FAILURE : Failed to initialize dispatch path for SPA [dec]/[dec] handle**

<b>Explanation</b>	Failed to initialize dispatch path handle for SPA communication.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_SPA-3-INVALID\_SPA\_TDL\_CCAPI\_USAGE :**

---

<b>Explanation</b>	Incorrect usage of an internal API that should only be used on CC.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-6-TDLMSG\_INCOMPATIBLE : Failed to copy message [chars] to buffer, not allowed for current domain.**

---

<b>Explanation</b>	Failure to marshal a message indicates an incompatibility with the intended recipient.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-CREATE\_TDLMSG\_FAILURE : Failed to create [chars] message for [chars].**

---

<b>Explanation</b>	Failed to create/allocate necessary TDL message for SPA communication.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_SPA-3-INVALID\_HANDLE : Failed to get a valid IPC handle for type [int], slot [dec], subslot [dec].**

---

<b>Explanation</b>	The client handle was found to be NULL for the given type/slot/subslot.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_SPA-6-UPDOWN : Interface [chars], link down due to [chars]**

---

**Explanation** Ethernet link is down due to remote/local fault.**Recommended Action** Replace the faulty cable.

---

---

**%IOSXE\_SPA-6-DUAL\_RATE\_CHANGE : [chars]: [chars]**

---

**Explanation** Change in rate of the link.**Recommended Action** No action is required.

---

---

**%IOSXE\_SPA-3-SPA\_SETUP\_FAILURE : Failed to properly setup for SPA communication on slot [dec], subslot [dec].**

---

**Explanation** Discovery of the linux interface used to communicate with a SPA failed**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_SPA-3-ABANDON\_SPA\_CONFIGURATION : Abandon configuration for subslot [dec]/[dec], the SPA type([dec]) is NOT match with SUP card.**

---

**Explanation** Abandon SPA configuration.**Recommended Action** Please check the startup configuration, use no card command to override wrong card configuration and update card type.

---

**IOSXE\_TIMESTAMP\_ENGINE**

---

**%IOSXE\_TIMESTAMP\_ENGINE-4-ERROR : NULL**

---

**Explanation** An unexpected condition has occurred.**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IOSXE\_TIMESTAMP\_ENGINE-3-TSU\_ERR : An unexpected condition has occurred at module ([chars])**

<b>Explanation</b>	An unexpected condition has occurred at the Interface Module TSU.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IOSXE\_UPGRADE\_ROMMON****%IOSXE\_UPGRADE\_ROMMON-0-ROMMON\_UPGRADE\_FAIL : ROMMON upgrade failed: partition [chars]**

<b>Explanation</b>	An attempt to upgrade the ROMmon failed.
<b>Recommended Action</b>	Check the system messages to see if any messages appeared that might indicate the source of the ROMmon problem. If you do not find any additional information indicating a correctable problem, collect all output on the screen, in particular the console port output after the upgrade rom-monitor command was entered and the output of show rom-monitor, and provide the collected information to a Cisco technical support representative.

**%IOSXE\_UPGRADE\_ROMMON-0-ROMMON\_LOADTEST\_FAIL : ROMMON FIPS\_140-3 Load test \*FAILED\*: file [chars]**

<b>Explanation</b>	FIPS 140-3 Related Load test failed for the ROMmon.
<b>Recommended Action</b>	Check the system messages to see if any messages appeared that might indicate the source of the ROMmon Load test problem. If you do not find any additional information indicating a correctable problem, collect all output on the screen, in particular the console port output after the upgrade rom-monitor command was entered and the output of show rom-monitor, and provide the collected information to a Cisco technical support representative.

**IOSXE\_USB****%IOSXE\_USB-3-ESHOW\_USB : Internal Error locating database for USB Devices.**

<b>Explanation</b>	The mcp_usb_devices is incorrect and needs to be changed
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

## IOSXE\_UTD

**%IOSXE\_UTD-3-ALLOC : Failed to allocate message**

<b>Explanation</b>	When attempting to program the dataplane there was not enough memory to allocate the message.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_UTD-3-MESSAGE : Failed to send message**

<b>Explanation</b>	When the message was being prepared for sending to the data plane, there was an error.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_UTD-4-VERSION\_INCOMPATIBILITY : UTD OVA version ([chars]) does not match supported UTD version ([chars])**

<b>Explanation</b>	The UTD OVA version does not match the required UTD version embedded in this IOS-XE version. This is an unsupported configuration and may behave unexpectedly.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IOSXE\_UTD-4-SIG\_UPDATE\_CFG : UTD signature updates have been configured - A brief service interruption at the time of update is expected**

<b>Explanation</b>	The UTD service will be restarted if a new signature package is found. During this time, if fail-close has been configured (recommended), traffic that would be inspected by UTD will be dropped. Otherwise (default), traffic that would be inspected by UTD will be allowed to pass uninspected. To minimize this service interruption, it is recommended to schedule this operation outside of normal business hours.
--------------------	--

---

**%IOSXE\_UTD-4-SIG\_UPDATE\_CFG : UTD signature updates have been configured - A brief service interruption at the time of update is expected**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_UTD-4-SIG\_UPDATE\_EXEC : UTD signature update has been executed - A brief service interruption is expected**

**Explanation** The UTD service will be restarted if a new signature package is found. During this time, if fail-close has been configured (recommended), traffic that would be inspected by UTD will be dropped. Otherwise (default), traffic that would be inspected by UTD will be allowed to pass uninspected. To minimize this service interruption, it is recommended to execute this operation outside of normal business hours.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_UTD-4-MT\_CONFIG\_DOWNLOAD : UTD MT configuration download has [chars]**

**Explanation** In UTD multitenancy mode, the configuration download to the container can take a while. Please be patient.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_UTD-4-MT\_CONTAINER\_MESSAGE\_TIMEOUT : UTD message sent to the container has timed out**

**Explanation** The UTD message sent to the container has timed out.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_UTD-4-MT\_CONTAINER\_MESSAGE\_NAK : Container responded to UTD message with an error: [dec]**


---

<b>Explanation</b>	The container rejected the UTD message
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_UTD-4-MT\_CONTAINER\_SESSION\_TIMEOUT : UTD container download has timed out**


---

<b>Explanation</b>	The container did not respond with an up/down status before the session timed out.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_UTD-4-MT\_CONTAINER\_STATUS\_DOWN : UTD poll: container status is DOWN**


---

<b>Explanation</b>	The container sent a down status to the poll message
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

## IOSXE\_VMAN through IPC\_LOG

- [IOSXE\\_VMAN](#)
- [IOSXE\\_WCCP](#)
- [IOSXE\\_WD](#)
- [IOS\\_LICENSE\\_IMAGE\\_APPLICATION](#)
- [IOXN\\_APP](#)
- [IP](#)
- [IPA](#)
- [IPACCESS](#)
- [IPC](#)

- [IPC\\_LOG](#)

## IOSXE\_VMAN

---

### %IOSXE\_VMAN-3-MSGINITFAIL : Failed to initialize required Virt-manager resource: [chars]

---

**Explanation** During the initialization of the resources required by Virt-manager, a failure occurred. This has prevented virtual services from being activated.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

### %IOSXE\_VMAN-3-MSGDISPATCH : Unable to dispatch received TDL message from Virt-manager

---

**Explanation** An unexpected condition has occurred while IOS was trying to dispatch a TDL message received from Virt-manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

### %IOSXE\_VMAN-3-RSPMSGHDLR : Failed to deliver response message: [chars]

---

**Explanation** An unexpected condition has occurred while IOS was trying to deliver a response message to a virtual service received from Virt-manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

## IOSXE\_WCCP

---

### %IOSXE\_WCCP-4-NOINPUT : NULL input, [chars]

---

**Explanation** An unexpected condition has occurred which is due to the NULL value of the input parameter.



---

**%IOSXE\_WCCP-4-NOINPUT : NULL input, [chars]**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip wccp** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-NOSVGRP : [chars] Service Group ([dec], [dec], [int]) NOT exist**

**Explanation** An unexpected condition has occurred which is due to the absence of the service group structure.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip wccp** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-NOACL : Access list is null**

**Explanation** An unexpected condition has occurred which is due to the absence of an access list structure.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip access-lists** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-ACELIMIT : Too many ACEs in MASK ACL, please switch to Hash mode**

**Explanation** Mask merged ACL generate too many ACEs.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip access-lists** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOSXE\_WCCP-4-BADACE : Access list contains invalid ace**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to an invalid statement in the access list structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip access-lists</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-NOINTF : No [chars] interface info for Service Group ([dec], [dec], [int])**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of MCP WCCP interface info for the specific service group.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show platform software wccp</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-UNKNOWNDIR : Unknown [chars] interface direction [hex] for Service Group ([dec], [dec], [int])**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the unknown direction has been applied to the interface for the service group.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show platform software wccp</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-NOSTATS : WCCP [chars] message error**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the error in receiving WCCP stats update message.
--------------------	--

---

**%IOSXE\_WCCP-4-NOSTATS : WCCP [chars] message error**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show platform software wccp <id> counters** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-NOSTATSSVC : Service Group ([dec], [dec], [int]) not exist for the stats message**

**Explanation** An unexpected condition has occurred which can't find the service group for the service group stats message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show platform software wccp** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOSXE\_WCCP-4-NOSTATSINTF : Interface handle [int] not exist for the stats message**

**Explanation** An unexpected condition has occurred which can't find the interface handle for the interface stats message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show platform software wccp <id> int counters** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IOSXE\_WD**

---

**%IOSXE\_WD-2-HEARTBEAT\_FAIL : Heartbeat is not emitted. Heartbeat count:[dec]**

**Explanation** Failure in IOS to generate a heartbeat is an abnormal condition

**Recommended Action** This message may be related to an abnormal configuration and system load, or transient high processing demand. When reporting this message, copy the message text exactly as it appears, include the stack trace and report to your technical support representative

---

---

**%IOSXE\_WD-2-HOG\_DETECT\_FAIL : CPUHOG detection failed to start.**

---

**Explanation** Failure in setting up CPUHOG detection mechanism is an abnormal condition

**Recommended Action** This message may be related to an abnormal configuration and system load, or transient high processing demand. When reporting this message, copy the message text exactly as it appears, include the stack trace and report to your technical support representative

---

**IOS\_LICENSE\_IMAGE\_APPLICATION**

---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-3-FAILED : [chars]**

---

**Explanation** The ios licensing subsystem failed to create a process/watched boolean etc to watch request from the remote show subsys license commands

**Recommended Action** please capture the error msg and forward it to the appropriate licensing component

---



---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-3-UNKNOWN\_EVENT : [chars]**

---

**Explanation** The ios image licensing subsystem received an event which it does not understand or recognizes

**Recommended Action** please capture the error msg and forward it to the appropriate licensing component

---



---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-3-UNKNOWN\_VERSION : [chars]**

---

**Explanation**

**Recommended Action**

---



---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-6-NO\_LICENSE : No valid license available: [chars] = [chars]; [chars] = [dec]; [chars] = [chars]:[chars]**

---

**Explanation** The ios image licensing subsystem received an event for an unknown version of a feature There is no valid license available on the box and we are running on a default feature

**Recommended Action** please capture the error msg and forward it to the appropriate licensing component  
please purchase a license to activate required features

---



---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-6-LICENSE\_LEVEL : Module name = [chars] Next reboot level = [chars] and License = [chars]**

---

**Explanation** This is an informational message to display the change in the next reboot license level

---

---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-6-LICENSE\_LEVEL : Module name = [chars] Next reboot level = [chars] and License = [chars]**

**Recommended Action** This is an informational message, no action is required

---



---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-6-LICENSE\_LEVEL\_CONFIG : Please issue 'license boot' config command to make extension license ([chars]) available for use.**

**Explanation** This is an informational message to info user that to make extension license available to support image level, licensing image level needs to be configured

**Recommended Action** This is an informational message, no action is required

---



---

**%IOS\_LICENSE\_IMAGE\_APPLICATION-6-LICENSE\_CONFIG : EULA must be accepted for license level = [chars]**

**Explanation** This is an informational message to inform user that the user needs to reissue the command from an interactive terminal

**Recommended Action** This is an informational message, no action is required

---

## IOXN\_APP

---

**%IOXN\_APP-3-INITFAIL : Failed to create chasfs property ioxman (rc =[chars]) or caf (rc = [chars]) is not up**

**Explanation** An unexpected condition resulted into failure to start an application.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOXN\_APP-3-CLEANUPFAIL : Failed to create chasfs property to indicate cleanup of previous app installation (rc = [chars])**

**Explanation** An unexpected condition resulted in failure to setup the start of an application.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IOXN\_APP-3-GSFAIL : [chars] [int]**

---

<b>Explanation</b>	An unexpected condition resulted into failure to start an application.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOXN\_APP-3-CFGFAIL : [chars] [chars]**

---

<b>Explanation</b>	An unexpected condition resulted into failure to apply auto config
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOXN\_APP-3-PREVOPFAIL : Overriding previous operation ([chars] iox) that is taking longer than [int] secs to complete**

---

<b>Explanation</b>	An unexpected condition resulted in failure to apply iox config
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IOXN\_APP-3-MSGFAIL : Message dispatch failure ([chars]).**

---

<b>Explanation</b>	Message could not be dispatched to an application.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IP**

---

**%IP-4-CLASS : Bad IP address and mask [IP\_address]%m in class\_resolve()**

---

<b>Explanation</b>	An internal software error occurred.
--------------------	--------------------------------------

---

**%IP-4-CLASS : Bad IP address and mask [IP\_address]%m in class\_resolve()**

**Recommended Action** If this message recurs, copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-4-DUPADDR : Duplicate address [IP\_address] on [chars], sourced by [enet]**

**Explanation** Another system is using your IP address.

**Recommended Action** Change the IP address of one of the two systems.

---



---

**%IP-4-ZERO\_ADDR : Zero MAC address for [IP\_address] in ARP cache**

**Explanation** An entry in the ARP cache have a NULL MAC address

**Recommended Action** If this message recurs, call your technical support representative for assistance.

---



---

**%IP-3-DESTHOST : src=[IP\_address], dst=[IP\_address], NULL desthost**

**Explanation** An internal software error occurred.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-3-BADIPALIGN : Invalid alignment in packet for IP. [chars]=[hex]**

**Explanation** The packet data structure is misaligned. This condition may result in a small amount of overhead in processing IP traffic.

**Recommended Action** Enter a show hardware command and report the output, along with this error message, to your technical support representative.

---



---

**%IP-3-BADSRUTE : Improper source route. Length [dec] Ptr [dec]**

**Explanation** A hardware or software error occurred.

---

---

**%IP-3-BADSRUTE : Improper source route. Length [dec] Ptr [dec]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IP-6-PHYBCASTDROP : Physical broadcast packet detected and dropped, src=[IP\_address], dst=[IP\_address]**

<b>Explanation</b>	Physical broadcast packet was dropped.
<b>Recommended Action</b>	No action is required.

---



---

**%IP-6-L2MCASTDROP : Layer 2 Multicast packet detected and dropped, src=[IP\_address], dst=[IP\_address]**

<b>Explanation</b>	Layer 2 Multicast packet with Layer3 Unicast Destination was dropped.
<b>Recommended Action</b>	No action is required.

---



---

**%IP-3-LOOPPAK : Looping packet detected and dropped - src=[IP\_address], dst=[IP\_address], hl=[int], tl=[int], prot=[int], sport=[int], dport=[int] in=[chars], nexthop=[IP\_address], out=[chars]options=[chars]**

<b>Explanation</b>	A software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-5-WEBINST\_START : Attempting web install from host [IP\_address]**

<b>Explanation</b>	A hardware or software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

---



---

**%IP-5-WEBINST\_KILL : Terminating DNS process**

<b>Explanation</b>	A hardware or software error occurred.
--------------------	--

---



**%IP-5-WEBINST\_KILL : Terminating DNS process**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IP-5-WEBINST\_COMP : Selected IP address [IP\_address]**

<b>Explanation</b>	A hardware or software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IP-5-WEBINST\_RESP : Sending DNS response to [IP\_address] (request was for [IP\_address])**

<b>Explanation</b>	A hardware or software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IP-3-CNTRFULL : IP counter block is full (setting protocol [dec])**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IP-5-TURBOACL : [chars]**

<b>Explanation</b>	Error occurred in intialisation of TURBOACL.
--------------------	--

---

**%IP-5-TURBOACL : [chars]**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show process** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-5-ACL : [chars]**

**Explanation** Error occurred in IP access checks.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-4-UNICASTRPF : IP unicast reverse-path check disabled on [chars]**

**Explanation** The IP verify unicast reverse-path feature was disabled because CEF was disabled (either through configuration or due to an internal error).

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-3-LOOPOUTIF : Output interface for packet has been changed for [dec] times and dropped - src=[IP\_address], dst=[IP\_address], hl=[int], tl=[int], prot=[int], in=[chars], nexthop=[IP\_address], out=[chars]**

**Explanation** A software error occurred.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IP-3-MAXIRDP : Attempt to send IRDP to proxies exceeding configurable limit: [dec], interface: [chars], secondary = [dec], proxy = [dec]**

---

<b>Explanation</b>	The sum of configured secondary addresses and configured proxy addresses exceeds the number of total addresses that the IRDP can support in its implementation.
<b>Recommended Action</b>	Reduce the number of either the secondary IP addresses or proxy addresses configured for the interface.

---



---

**%IP-4-IPPOOLS : Detected a local pool and a DHCP pool with the same name: [chars]**

---

<b>Explanation</b>	A local pool and a DHCP pool have been configured with the same name. This may cause conflict during address allocations.
<b>Recommended Action</b>	Change the name of one of the two pools

---



---

**%IP-3-ICMPRATELIMIT : [int]nreachables rate-limited within [int] milliseconds on [chars]. [int] log messages suppressed since last log message displayed on [chars]**

---

<b>Explanation</b>	An excessive number of packets are triggering log messages on this interface
<b>Recommended Action</b>	change the log threshold with the icmp rate-limit command or find the source of the packets and block the packets from this router

---



---

**%IP-3-ICMPRATELIMITDF : [int] DF unreachable rate-limited within [int] milliseconds on [chars]. [int] DF log messages suppressed since last log message displayed on [chars]**

---

<b>Explanation</b>	An excessive number of packets are triggering log messages on this interface
<b>Recommended Action</b>	change the log threshold with the icmp rate-limit command or find the source of the packets and block the packets from this router

---



---

**%IP-3-NOOUTINTF : Output interface not available. source address: [IP\_address], destination address: [IP\_address], routing type: [int]**

---

<b>Explanation</b>	The output interface for this packet is not set
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-3-NONALIAS : non-alias address [IP\_address] in table [chars] found in IP alias list**

---

<b>Explanation</b>	The IP alias list holds IP aliases only but non-alias entries are found.
--------------------	--

---

---

**%IP-3-NONALIAS : non-alias address [IP\_address] in table [chars] found in IP alias list**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IP-3-IPTOPOID : Topology ID [hex] is invalid, can't get the base topology ID.**

<b>Explanation</b>	An internal software error occurred
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IP-3-SBINIT : Error initializing [chars] subblock data structure. [chars]**

<b>Explanation</b>	Initialization of the specified subblock data structure could not be accomplished.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IPA**

---

**%IPA-3-PORTCONN : bay [[int]] failed to establish [chars] connection ([hex])**

<b>Explanation</b>	An attempt to establish the console or debugger connection with the channel port adapter failed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPA-3-PORTIOKILL : Port IO [chars] process terminating.**

<b>Explanation</b>	Unexpected termination of a port io process.
--------------------	--

---

---

**%IPA-3-PORTIOKILL : Port IO [chars] process terminating.**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPA-3-NEVER : bay [[chars]] mailbox response timed out after ([int] + [int]) usecs, mbx=[hex]**

**Explanation** A mailbox command sent from driver to the channel port adapter never completed within the expected time limit. As a result of this error, the channel port adapter driver will reset the port adapter and reload microcode to it.

**Recommended Action** The reset and reload rectified the problem. If that did not occur, then try the **microcode reload** operation again. <Body><par>If the error still occurs, record the output from the following commands: <Bullet><par>**show tech**  
<Bullet><par>**dir slot0:** <Bullet><par>**dir slot1:** <Bullet><par>**show log** <Body><par>Provide this information to your technical support representative.

---



---

**%IPA-3-UKNMBXCMD : [chars]: unknown mailbox command: [hex] [hex] [hex] [hex]**

**Explanation** The channel port adapter sent a mailbox command that the driver did not expect. This may occur if there is a version mismatch between the system image and the microcode.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPA-3-INVMBXCMD : [chars]: invalid mailbox command: [hex]**

**Explanation** A subsystem attempted to register a mailbox command that is out of range.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IPACCESS****%IPACCESS-2-NOMEMORY : Alloc fail for acl-config buffer. Disabling distributed mode on lc**

<b>Explanation</b>	Unable to malloc a buffer to send access-list configuration down to linecards.
<b>Recommended Action</b>	Enter a show chunks command and report the output, along with this error message, to your technical support representative.

**%IPACCESS-2-WRONGREQUEST : Invalid request to allocate chunk of size [dec]**

<b>Explanation</b>	We only allow acl chunks of max size IPACCESS_LARGE_CHUNK_SZ
<b>Recommended Action</b>	

**%IPACCESS-2-WRONGSIZE : Incorrect length acl ipc xdr of type=[chars] len=[dec] received**

<b>Explanation</b>	Received an acl message of the wrong size for that type
<b>Recommended Action</b>	Report this error message, to your tech support representative.

**%IPACCESS-4-INVALIDACL : Invalid ACL field: [chars] is [dec]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it to your technical support representative.

**%IPACCESS-3-SANITY\_ERROR : [chars]**

<b>Explanation</b>	A sanity error occurred while the ACL was being configured on the RP, or while the ACL configuration was being downloaded to the line card.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPACCESS-3-XDRREGISTRATION : Failed to register [chars] XDR client due to [chars]**

<b>Explanation</b>	Failure to register the said XDR client.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it to your technical support representative.

**IPC****%IPC-3-LOG\_ERR : [chars] CPP QoS Client Proxy failure**

<b>Explanation</b>	QoS proxy failed because of receiving invalid sub-type or failed to allocate ipc response buffer.
<b>Recommended Action</b>	LOG_STD_ACTION

**IPC\_LOG****%IPC\_LOG-3-IPC\_LOGWRITE\_FAILED : ipc log write [int] bytes failed because [chars]**

<b>Explanation</b>	An internal logging mechanism failed to write a message.
<b>Recommended Action</b>	No action is required. However, if router performance is noticeably degraded, contact Cisco Technical Assistance. Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <a href="http://www.cisco.com/tac">http://www.cisco.com/tac</a> . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> . If you still require assistance, open a case with the Technical Assistance Center via the Internet at <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> , or contact your Cisco technical support representative and provide the representative with the gathered information.

## IPC\_TEST through IPV6\_ACL

- [IPC\\_TEST](#)
- [IPFAST](#)
- [IPFLOW](#)
- [IPMOBILE](#)
- [IPNAT](#)
- [IPNAT\\_HA](#)
- [IPSEC](#)
- [IPV4\\_FORWARDING](#)
- [IPV4\\_REASS\\_PROXY](#)
- [IPV6\\_ACL](#)

**IPC\_TEST****%IPC\_TEST-3-INVALID\_SUBTYPE : CPP IPC TEST Proxy subtype [int]**

**Explanation** IPC test proxy failed because of receiving invalid sub-type.

**Recommended Action** LOG\_STD\_ACTION

**%IPC\_TEST-3-REPLY\_FAILED : CPP IPC TEST Proxy send reply**

**Explanation** IPC test proxy failed because the reply failed to send.

**Recommended Action**

**%IPC\_TEST-3-MEM\_ALLOC\_FAILED : CPP IPC TEST Proxy mem alloc**

**Explanation** IPC test proxy failed because the GPM allocation failed.

**Recommended Action**

**IPFAST****%IPFAST-2-RADIXINIT : Error initializing IP fast cache structures**

**Explanation** A programming error occurred.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPFAST-2-IPCACHEINIT : Error initializing IP fast cache structures**

**Explanation** A programming error occurred.

**Recommended Action** Copy the error message exactly as it appears, and report it to your technical support representative.



---

**%IPFAST-2-MSGDROP : IPC queue limit is reached and message is dropped. queue limit = [dec] cumulative drops = [dec]**


---

<b>Explanation</b>	IPC raw queue limit for IP fast path is reached.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPFAST-6-PAKSHORT : Packet too short from [IP\_address], datagram size [dec], tl [dec]**


---

<b>Explanation</b>	An IP packet which is too short was received
<b>Recommended Action</b>	No action is required.

---



---

**%IPFAST-2-INVALSIZE : The IP fast path received an IPC message with an invalid size(size/type - [dec]/[dec])**


---

<b>Explanation</b>	The IP fast path switching module has received an IPC message with an invalid size.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPFAST-2-FAILOPENIPCPORT : Could not open the IPC ports. [chars]**


---

<b>Explanation</b>	ipfast could not open the ipc port to communicate to the LC/RRP/SP.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IPFLOW**


---

**%IPFLOW-2-QUEUEINIT : Error initializing Flow feature queue**


---

<b>Explanation</b>	Initialization of the Flow feature queue could not be accomplished because of a low memory condition.
--------------------	---

**%IPFLOW-2-QUEUEINIT : Error initializing Flow feature queue**

<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.
---------------------------	---

**%IPFLOW-3-DISABLEFLOWEXPORT : NULL**

<b>Explanation</b>	Flow export is disabled because export destination address matches with one of the interface's IP addresses
--------------------	---

<b>Recommended Action</b>	IP addresses of all the interfaces must be checked to make sure none of them matches with flow export destination IP address.
---------------------------	---

**%IPFLOW-2-PROCESSINIT : Error initializing Flow background process**

<b>Explanation</b>	Initialization of the Flow background process could not be accomplished because of a low memory condition.
--------------------	--

<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.
---------------------------	---

**%IPFLOW-2-CACHEINIT : Error initializing IP flow cache**

<b>Explanation</b>	Initialization of the Flow cache could not be accomplished because of a low memory condition.
--------------------	---

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the show tech-support command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IPFLOW-2-EXPORTINIT : Error initializing Flow Export queue**

<b>Explanation</b>	Initialization of the Flow export queue could not be accomplished because of a low memory condition.
--------------------	--

<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.
---------------------------	---

**%IPFLOW-2-TEMPLATETBL\_INIT : Error initializing Flow Export Template Table**

<b>Explanation</b>	Initialization of the Flow export template table could not be accomplished because of a low memory condition.
--------------------	---

---

**%IPFLOW-2-TEMPLATETBL\_INIT : Error initializing Flow Export Template Table**

<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.
---------------------------	---

---



---

**%IPFLOW-4-V9\_TEMPLATE\_EXPORT : Error creating [chars]**

<b>Explanation</b>	Version 9 export template length is zero
--------------------	--

<b>Recommended Action</b>	This is a debug message only. No action is required.
---------------------------	--

---



---

**%IPFLOW-3-SBINIT : Error initializing [chars] subblock data structure. [chars]**

<b>Explanation</b>	Initialization of the specified subblock data structure could not be accomplished.
--------------------	--

<b>Recommended Action</b>	
---------------------------	--

---

**IPMOBILE**

---

**%IPMOBILE-6-REDUPDATEFAIL : Too many redundancy update failures ([dec]) in the last minute.**

<b>Explanation</b>	The standby HA attempts to update its binding table by contacting the active HA several times each minute. Some or all of these attempts failed and the number of failures exceeded a threshold number.
--------------------	---

<b>Recommended Action</b>	Ensure connectivity between the active HA and the standby HA. Also make sure the clocks are in sync between the two and that the security associations are properly set between the two. If the preemption delay is set, try setting it to a shorter time period.
---------------------------	---

---



---

**%IPMOBILE-6-DUPMOBNET : Unable to [chars] dynamic mobile network [IP\_address] [IP\_address] for MR [chars]; already [chars] MR [chars]**

<b>Explanation</b>	A mobile router's attempt to dynamically add or delete a mobile network failed because that mobile network was already statically configured for or dynamically registered by another mobile router. A mobile network may be configured or registered for only one mobile router.
--------------------	---

<b>Recommended Action</b>	To avoid duplication errors, check the static mobile network configuration on the HA or the dynamic mobile network configuration on the mobile router(s).
---------------------------	---

---

---

**%IPMOBILE-6-DUPVIRTNET : Unable to [chars] dynamic mobile network [IP\_address] [IP\_address] for MR [chars]; already configured as a virtual network**


---

<b>Explanation</b>	A mobile router's attempt to dynamically add or delete a mobile network failed because that mobile network was already configured as a virtual network in the home agent.
<b>Recommended Action</b>	To avoid duplication errors, make sure that the virtual networks configuration on the home agent and the dynamic mobile network configuration on the mobile router do not have any overlapping network prefixes.

---



---

**%IPMOBILE-3-NOSOCKET : Unable to open socket**


---

<b>Explanation</b>	The requested operation could not be accomplished because of a low memory condition.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

---



---

**%IPMOBILE-6-SECURE : Security violation on [chars] from [chars] [chars] - errcode [chars] ([dec]), reason [chars] ([dec])**


---

<b>Explanation</b>	A security violation occurred during registration attempt.
<b>Recommended Action</b>	This is for informational purpose only.

---



---

**%IPMOBILE-2-ASSERTFAILED : IPMOBILE assertion failed: [chars]**


---

<b>Explanation</b>	The software detected an inconsistency. This is considered a serious error. The router attempts to continue, but IP Mobility processing may be impaired.
<b>Recommended Action</b>	Copy the error message exactly as it appears, noting any IP Mobility problems that you are experiencing, and report it to your technical support representative.

---



---

**%IPMOBILE-3-CONFIGERROR : Standby FA configuration is not in sync with the active**


---

<b>Explanation</b>	The software detected an inconsistency in configuration between the standby and the active. Standby FA may not proceed with the sync for this visitor.
<b>Recommended Action</b>	Re-configure standby FA and make sure the configuration between the standby and the active is in sync.

---



---

**%IPMOBILE-3-NOTUNNEL : Maximum number of tunnels [dec] reached**


---

<b>Explanation</b>	The number of Mobile IP tunnels allowed on the box is reached.
<b>Recommended Action</b>	This occurs if the HA/FA is overloaded. If you suspect this condition contact technical support representative with the output of show tech

---

---

**%IPMOBILE-5-MIP\_TUNNELDELETE : Mobile IP tunnel [chars] deleting**

---

<b>Explanation</b>	The Mobile IP tunnel is going to be deleted.
<b>Recommended Action</b>	This occurs if the active mobile ip binding is deleted. If you suspect this condition contact technical support representative with the output of show tech

---



---

**%IPMOBILE-0-NOPROCESS : [chars]**

---

<b>Explanation</b>	A Process could not be started
<b>Recommended Action</b>	Please contact your technical support representative with the error message you got and with the output of 'show process '.

---



---

**%IPMOBILE-0-IPMOBILE\_DHCP : [chars]**

---

<b>Explanation</b>	Two reasons for this error message, 1. DHCP Client failed to get started, this could be because of malloc failures. 2. IPMOBILE DHCP Process failed to start
<b>Recommended Action</b>	If this error message is seen it is recommended not to use this HA for binding creation with DHCP Address Allocation. Check the available memory in the box and for the first reason try to get 'debug dhcp detail' before the failure. Contact your technical support representative with the error message you got.

---



---

**%IPMOBILE-3-SA\_PARSE\_FAILED : Error in parsing the security association for [chars]**

---

<b>Explanation</b>	The Mobile IP Home Agent encountered an error while processing the Security Association in the RADIUS Access-Accept message.
<b>Recommended Action</b>	Check the Radius profile config for the Mobile Node for which the processing of the Security Association failed.

---

**IPNAT**

---

**%IPNAT-4-ADDR\_ALLOC\_FAILURE : Address allocation failed for [IP\_address], pool [chars] might be exhausted**

---

<b>Explanation</b>	An address could not be allocated from the IP NAT pool. This condition can cause a translation failure and might result in packets being dropped. The counter for misses will be incremented for these packets.
<b>Recommended Action</b>	Check to see if the NAT pool has been exhausted. To reuse any existing addresses in the NAT pool for new packet flows, clear the current NAT entries using clear ip nat translation *

---

---

**%IPNAT-3-SYSSTATSNUL : NAT global/system statistics structure from platform is nul**

---

<b>Explanation</b>	The structure for passing global/systems statistics from platform is nul which is invalid. This condition can cause the NAT global statistic counters in inaccurate on the RP
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT-3-POOLSTATSNUL : NAT pool statistics structure from platform is nul**

---

<b>Explanation</b>	The structure for passing global/systems stats from platform is nul which is invalid. This condition can cause the statistic counters for NAT pool to be inaccurate on the RP
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT-3-BADMAPPINGTYPE : NAT mapping type [dec] for mapping statistics from platform is invalid**

---

<b>Explanation</b>	The mapping type for passing mapping statistics from platform is not for static nor dynamic mapping type which is invalid. This condition can cause the statistic counters for NAT mapping to be inaccurate on the RP
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT-3-MAPPINGSTATSNUL : NAT mapping statistics structure from platform is nul**

---

<b>Explanation</b>	The structure for passing mapping statistics from platform is nul which is invalid. This condition can cause the statistic counters for NAT mapping to be inaccurate on the RP
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IPNAT-3-LIMITSTATNULL : NAT maxentry statistics structure from platform is nul**

<b>Explanation</b>	The structure for passing maxentry limit statistics from platform is nul which is invalid. This condition can cause the statistic counters for NAT maxentry limit to be inaccurate on the RP
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT-3-PORTNULL : Start port or end port for port block allocation request is nul**

<b>Explanation</b>	Start port or end port for port block allocation request is nul, This condition can cause the new translations to fail in the data path
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT-3-PORTLISTNULL : Portlist for address [IP\_address] proto [dec] is nul**

<b>Explanation</b>	The portlist for the address which requests more port blocks is nul which is invalid. This condition can cause the new translations to fail in the data path
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT-3-WLANSESSNULL : NAT WLAN session structure for session [chars] from platform is nul**

<b>Explanation</b>	The structure for passing WLAN session from platform is nul which is invalid. This condition can cause the NAT WLAN session to fail in the data path
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IPNAT-6-ID : [chars] identifier has wrapped**

---

**Explanation** The identifier which is assigned to that which is resultant from the configuration in question has cycled through the available number space and is now allocating from its initial value again.

**Recommended Action** No action is required.

---



---

**%IPNAT-3-RTMAPNULL : route-map for configuration download is nul**

---

**Explanation** The route-map structure is nul which is invalid. This condition can cause the new translations to fail in the data path

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT-3-CSBNUL : Parser structure for route-map [chars] configuration is nul**

---

**Explanation** The parser structure for route-map configuraion is nul which is invalid. This condition can cause the new translations to fail in the data path

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT-3-RTMAPNAMENUL : Route-map name for [chars] configuration is nul**

---

**Explanation** The route-map name is nul which is invalid. This condition can cause the new translations to fail in the data path

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IPNAT-6-ENTRIES : Static translation count reset, inside/outside source/destination [int]/[int] [int]/[int]**

<b>Explanation</b>	Upon the removal of the last remaining static translation from the configuration it has been determined that there is a discrepancy with the internal accounting as regards the previous provisioning of inside source/destination versus outside source entries. The internal accounting has been reset to indicate that there are no translations of any type currently.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT-3-CONFIG : Unable to [chars] the configuration of dynamic mappings**

<b>Explanation</b>	An internal operation relating to the configuration of the dynamic mappings has failed. This may imply that the mapping has not been installed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT-6-PORT\_ALLOC : Port allocation via [chars] for [int] [chars] [chars] ports, min [int] max [int]**

<b>Explanation</b>	A port allocation request for the specified range of ports has been attempted from the named party on the standby RP. This is an informational message which tracks the request source.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT-3-SBINIT : Error initializing [chars] subblock data structure. [chars]**

<b>Explanation</b>	Initialization of the specified subblock data structure could not be accomplished.
<b>Recommended Action</b>	

**%IPNAT-3-IF\_UP : Error in sending interface UP event for [chars] to the ager process**

<b>Explanation</b>	An internal operation relating to the interface UP event has failed which is unexpected.
--------------------	--

---

**%IPNAT-3-IF\_UP : Error in sending interface UP event for [chars] to the ager process**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IPNAT-3-UNEXPECTED\_MAPPING\_FLAG : Unexpected mapping flag %#04x received**

<b>Explanation</b>	An internal operation relating to notifying the platform about a mapping has provided an unexpected input.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT-3-MAPPING\_NULL : Unexpected NULL pointer received as input.**

<b>Explanation</b>	An internal operation relating to notifying the platform about a mapping has provided an unexpected input.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT-3-UNEXPECTED\_ADDRESS : NULL**

<b>Explanation</b>	An address contained an unexpected value.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IPNAT\_HA****%IPNAT\_HA-3-MISMATCH : [chars] [chars] mismatch with id [int]**

**Explanation** The specified synchronization operation has failed to complete on the standby route processor due to an inconsistency in the internal id which would have resulted in an inconsistent configuration between active and standby. The resultant action taken by the standby route processor is an attempt to resynchronize.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT\_HA-6-MAPPING\_EXISTS : [chars] [chars] [chars] mapping id [int]**

**Explanation** The specified synchronization operation on the standby route processor has detected the presence of an existing matching mapping. This may be associated with any observed PRC failures on the standby.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT\_HA-6-MAPPING\_COMPARE : [chars] [chars] [chars] mapping id [int] comparing [chars] [chars] [chars] mapping id [int]**

**Explanation** The specified synchronization operation on the standby route processor has detected an internal condition with respect to the properties of dynamic mappings. This is informational.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT\_HA-3-TRANSFORM : [chars] of [chars] via [chars] failed [chars]**

**Explanation** An attempt to either encode or decode a versioned synchronization message has failed due to an internal error encountered by the ISSU component.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IPNAT\_HA-3-RECEIVE : Message via [chars] is [chars]**

---

**Explanation** An attempt to receive and process a versioned negotiation or synchronization message has failed due to an internal error being detected by the information received from the IPC or CF components.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-TRANSMIT : Unable to send via [chars] [chars] [chars] [chars]; [chars]**

---

**Explanation** An attempt to send a versioned negotiation or synchronization message has failed due to an internal error encountered by the IPC or CF components.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-PROGRESSION : Unable to inform RF of bulk sync completion; [chars]**

---

**Explanation** The active route processor has sent a notification to the standby to inform of the completion of the bulk synchronization of the NAT configuration. The standby has failed to respond to the active informing that it received the notification noting the reason for the failure. The resultant action taken by the standby route processor is an attempt to resynchronize.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-ISSU : [chars] [chars] failed; [chars]**

---

**Explanation** An operation pertaining to the ISSU support for NAT failed to complete using either the CF or IPC transport context with the reason specified

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IPNAT\_HA-3-NEGOTIATION : Failed to start ISSU [chars] session negotiation; [chars]**

---

<b>Explanation</b>	The ISSU negotiation with the peer failed to start for either the CF or IPC transport with the reason specified.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-REGISTRATION : ISSU [chars] failed for [chars]; [chars]**

---

<b>Explanation</b>	An ISSU registration for the set of initial capabilities and sessions failed due to the reason specified. This will have the effect of the NAT ISSU support being unavailable between peers.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-DECODE : Decode via [chars] of [chars] failed**

---

<b>Explanation</b>	A message of the transport and type described failed in its attempt to be decoded on the standby. The resultant action taken by the standby route processor is an attempt to resynchronize.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-BULK\_SYNC : Failed to send [chars] information to peer**

---

<b>Explanation</b>	The bulk synchronization of the NAT configuration to the standby RP has failed to complete successfully; NAT has therefore taken the action which will result in a reload of the peer in order to once more attempt to successfully synchronize the configuration state which may have failed initially to a transient condition.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

---

**%IPNAT\_HA-3-DYN\_SYNC : Failed to process [chars] dynamic state**

---

<b>Explanation</b>	The incremental synchronization of the NAT configuration to the standby RP has failed to complete successfully. This implies that the configuration state between the active and standby RP is inconsistent.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip nat ha</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-DYN\_DEFERQ : [chars] failed to defer[chars]**

---

<b>Explanation</b>	The incremental synchronization of the NAT dynamic state to the standby RP has failed to add the information to the deferral queue for later processing during the time where the standby RP is progressing to its hot standby redundant state. This implies that the runtime state between the active and standby RP would be inconsistent once the standby has been fully initialized.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip nat ha</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-6-TIMEOUT : Bulk sync is flow controlled by [chars]**

---

<b>Explanation</b>	The bulk synchronization of the NAT configuration to the standby RP has encountered a flow control condition which has effected a timeout awaiting the condition to clear. This will result in a reload of the standby RP to allow the bulk synchronization to restart.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IPNAT\_HA-3-CLIENT : Failed to register with [chars], [chars]**

**Explanation** The NAT High Availability has failed to register with the specified component during initialization. This is an internal error which indicates that the NAT HA services will be unavailable.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT\_HA-6-READY : [chars] peer not ready, discarding [chars]**

**Explanation** The synchronization attempt for the message has determined that the transport has lost communication with its peer. This is a normal situation which indicates that the standby route-processor is currently out of service implying a simplex redundancy mode.

**Recommended Action**

**%IPNAT\_HA-6-RELOAD : [chars], reloading [chars]**

**Explanation** A synchronization attempt between the active and standby RP peers has failed with the reason indicated. The standby peer is reloaded in an attempt to resynchronize when operating in a stateful redundant mode.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPNAT\_HA-6-RELOAD\_DISABLED : Standby reload has been disabled, NAT RP state is out of sync and the standby should be reloaded manually**

**Explanation** The active and standby RPs are out of sync and the standby RP would have been reloaded, but this reload was suppressed based on the configured environment.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IPNAT\_HA-3-ATTRIBUTE : Bulk sync of [chars] via [chars], [chars] is invalid for [chars]**

---

<b>Explanation</b>	An attempt to bulk sync an address pool or a dynamic/static translation has detected that the entity which is to be sent to the standby RP when acting in a stateful redundant mode contains an invalid owner property and hence cannot be synchronized. The detection of this case will result in a failure of the bulk sync.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-PURGE : Failed to purge [chars] information**

---

<b>Explanation</b>	The synchronization of the NAT configuration state to the standby RP has failed to purge an entry which has been deemed to be stale; NAT has therefore taken the action which will result in a reload of the peer in order to once more attempt to successfully synchronize the configuration state which may have failed initially to a transient condition.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-6-INTERFACE : [chars] type/slot [hex] uint [int] num [int] channel [int]**

---

<b>Explanation</b>	An attempt to sync a dynamic translation or address change has detected that the interface which was encoded on the active RP is not present on the standby RP. The detection of this case may result in a failure of the bulk or LBL sync.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-3-INTERFACE\_TYPE : [chars] type/slot [hex] unit [int] num [int] channel [int] value [int]**

---

<b>Explanation</b>	An attempt to sync a dynamic translation or address change has detected that the interface which was encoded on the active RP has a different type the standby RP. The detection of this case will result in a failure of the bulk or LBL sync.
--------------------	---



---

**%IPNAT\_HA-3-INTERFACE\_TYPE : [chars] type/slot [hex] unit [int] num [int] channel [int] value [int]**

---

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPNAT\_HA-6-ADDR\_CHANGE : [chars] unable to encode data descriptor for interface [chars]**

---

**Explanation** An attempt to sync an address change to the standby RP has detected that the interface which was to be encoded on the active RP is no longer present or does not support encoding. The interface may have been removed from the configuration or may not support encoding.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IPSEC**

---

**%IPSEC-3-SA\_SOFT\_BYTE : SA ([hex],[hex])**

---

**Explanation** SA Softbyte Lifetime expiry event.

**Recommended Action** LOG\_STD\_ACTION

---



---

**%IPSEC-3-SA\_HARD\_BYTE : SA ([hex],[hex])**

---

**Explanation** SA Hardbyte Lifetime expiry event.

**Recommended Action** LOG\_STD\_ACTION

---



---

**%IPSEC-3-IPC\_ERR\_SA : rc [hex]**

---

**Explanation** An error has occurred sending SA Byte Lifetime expiry event.

**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-ANTI\_REPLAY : SA ([hex],[hex])**

---

**Explanation**        Anti Replay check failed for the SA.  
**Recommended Action**        LOG\_STD\_ACTION

---



---

**%IPSEC-3-SEQNO\_OVERFLOW : SA ([hex],[hex])**

---

**Explanation**        Sequence Number overflow for the SA.  
**Recommended Action**        LOG\_STD\_ACTION

---



---

**%IPSEC-3-UNEXPECTED\_ERROR : orh.w0 [hex], error\_op [hex], SA ([hex],[hex])**

---

**Explanation**        Unexpected error for the SA.  
**Recommended Action**        LOG\_STD\_ACTION

---



---

**%IPSEC-3-INVALID\_SPI : spi [hex]**

---

**Explanation**        Got an invalid SPI value.  
**Recommended Action**        LOG\_STD\_ACTION

---



---

**%IPSEC-3-IN\_POLICY\_MISS : sa [hex], cp sa [hex]**

---

**Explanation**        TCAM miss.  
**Recommended Action**        LOG\_STD\_ACTION

---



---

**%IPSEC-3-IN\_POLICY\_FAIL : out sa ([hex],[hex]), out sp ([hex],[hex]), in sa ([hex],[hex]), in sp ([hex],[hex])**

---

**Explanation**        In-Out SP mis-match.  
**Recommended Action**        LOG\_STD\_ACTION

---



---

**%IPSEC-3-IPC\_PAK\_ALLOC\_SA\_EVENT : event [hex], sa [hex]**

---

**Explanation**        IPC pak allocation failed.

---

---

**%IPSEC-3-IPC\_PAK\_ALLOC\_SA\_EVENT : event [hex], sa [hex]**

**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-IPC\_PAK\_SEND\_SA\_EVENT : rc [hex], event [hex], sa [hex]**

**Explanation** IPC send failed.  
**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-IKE\_TED\_MSG\_LIMIT : cnt [dec], sp [hex], cp sp [hex]**

**Explanation** IKE TED Message Limit exceeded.  
**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-IKE\_TED\_MSG\_RATE : cnt [dec], sp [hex], cp sp [hex]**

**Explanation** IKE TED Message Rate exceeded.  
**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-IPC\_PAK\_ALLOC : sp [hex], cp sp [hex]**

**Explanation** IPC pak allocation failed.  
**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-IPC\_PAK\_SEND : rc [hex], sp [hex], cp sp [hex]**

**Explanation** IPC send failed.  
**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-INVALID\_VAL : val [hex]**

**Explanation** Invalid value seen.  
**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-IPC\_HANDLER\_ERR : rc [hex]**

---

**Explanation** Error setting IPC Handler.**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-DROP : result type [hex]**

---

**Explanation** Classification results in Drop.**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-INVALID\_SA : sa [hex], cp sa [hex]**

---

**Explanation** SA is invalid.**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-SA\_NOT\_FOUND :**

---

**Explanation** SA not found.**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-FOR\_US\_CLEARTEXT\_POLICY\_FAIL :**

---

**Explanation** Policy fail for For-Us cleartext packet.**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-TRANSIT\_POLICY\_FAIL :**

---

**Explanation** Policy fail for transit ipsec packet.**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-INTF\_NOT\_CFG :**

---

<b>Explanation</b>	Got an encrypted packet on an interface on which ipsec is not configured.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%IPSEC-3-FRAG\_MPASS :**

---

<b>Explanation</b>	Multipass Error
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%IPSEC-3-INVALID\_PROT : invalid ipsec prot [hex]**

---

<b>Explanation</b>	Got an invalid IPSEC protocol value.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%IPSEC-3-NO\_MEMORY : No memory [hex]**

---

<b>Explanation</b>	No memory to send response back.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%IPSEC-3-MEM\_REQ\_FAILED : IPC type [hex]**

---

<b>Explanation</b>	Requesting more memory failed.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%IPSEC-3-CHUNK\_CREATE\_FAIL :**

---

<b>Explanation</b>	Chunk creation failed
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%IPSEC-3-CHUNK\_DESTROY\_FAIL :**

---

<b>Explanation</b>	Chunk destroy failed
--------------------	----------------------

---

---

**%IPSEC-3-CHUNK\_DESTROY\_FAIL :**

**Recommended Action**      LOG\_STD\_ACTION

---



---

**%IPSEC-3-CHUNK\_DESTROY\_ERROR :**

**Explanation**              Chunk destroy error, force cleanup

**Recommended Action**      LOG\_STD\_ACTION

---



---

**%IPSEC-3-MEM\_EXTEND\_FAILED : IPC type [hex]**

**Explanation**              Extending memory failed

**Recommended Action**      LOG\_STD\_ACTION

---



---

**%IPSEC-3-IPC\_INVALID\_MSG\_LEN : [dec]:[dec] len [dec] flags [hex] source [dec]**

**Explanation**              Invalid IPC message length

**Recommended Action**      LOG\_STD\_ACTION

---



---

**%IPSEC-3-MEM\_ALLOC\_REACHED\_LIMIT : IPC type [hex]**

**Explanation**              Cannot allocate more memory to store state for IPsec Traffic, reached upper limit.

**Recommended Action**      LOG\_STD\_ACTION

---



---

**%IPSEC-3-PKT\_TOO\_BIG : IPsec Packet size [dec] larger than maximum supported size [dec] hence dropping it, MSGDEF\_LIMIT\_GLACIAL**

**Explanation**              Maximum size for packet with IPSEC encapsulation is 9K, This packet exceeded the size limit hence dropping it.

**Recommended Action**      LOG\_STD\_ACTION

---

---

**%IPSEC-3-REPLAY\_ERROR : IPsec SA receives anti-replay error, DP Handle [dec], src\_addr %Ci, dest\_addr %Ci, SPI [hex], MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation** Anti-replay error is encountered for this IPsec session.

**Recommended Action** LOG\_STD\_ACTION

---



---

**%IPSEC-3-REPLAY\_ERROR\_IPV6 : IPsec SA receives anti-replay error, DP Handle [dec], ipv6 src\_addr %Ci, ipv6 dest\_addr %Ci, SPI [hex], MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation** Anti-replay error is encountered for this IPsec session.

**Recommended Action** LOG\_STD\_ACTION

---



---

**%IPSEC-3-RECVD\_PKT\_NOT\_IPSEC : Rec'd packet not an IPSEC packet, dest\_addr= %Ci, src\_addr= %Ci, prot= [dec], MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation** Rec'd packet matched crypto map ACL, but is not IPSEC-encapsulated.

**Recommended Action** LOG\_STD\_ACTION

---



---

**%IPSEC-3-RECVD\_PKT\_NOT\_IPSECV6 : Rec'd packet not an IPSEC packet, dest\_addr= %Ci, src\_addr= %Ci, prot= [dec], MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation** Rec'd packet matched crypto map ACL, but is not IPSEC-encapsulated.

**Recommended Action** LOG\_STD\_ACTION

---



---

**%IPSEC-3-HMAC\_ERROR : IPsec SA receives HMAC error, DP Handle [dec], src\_addr %Ci, dest\_addr %Ci, SPI [hex], MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation** HMAC calculation error is encountered for this IPsec session.

**Recommended Action** LOG\_STD\_ACTION

---



---

**%IPSEC-3-HMAC\_ERROR\_V6 : IPsec SA receives HMAC error, DP Handle [dec], ipv6 src\_addr %Ci, ipv6 dest\_addr %Ci, SPI [hex], MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation** HMAC calculation error is encountered for this IPsec session.

**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPSEC-3-FRAG\_ERROR : IPsec SA received fragmented ESP packet, DP Handle [dec], src\_addr %Ci, dest\_addr %Ci, SPI ([hex]), MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation**            Fragmented ESP packet is received for this IPsec session.

**Recommended Action**        LOG\_STD\_ACTION

---



---

**%IPSEC-3-FRAG\_ERROR\_IPV6 : IPsec SA received fragmented ESP packet, DP Handle [dec], ipv6 src\_addr %CI, ipv6 dest\_addr %CI, SPI ([hex]), MSGDEF\_LIMIT\_GLACIAL**

---

**Explanation**            Fragmented ESP packet is received for this IPsec session.

**Recommended Action**        LOG\_STD\_ACTION

---

**IPV4\_FORWARDING**

---

**%IPV4\_FORWARDING-2-CAUSE\_THROTTLE\_ERR : Allocation of ipv4 throttle [chars] memory failed**

---

**Explanation**            Allocation of memory resource use by ipv4 throttle fail

**Recommended Action**        Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV4\_FORWARDING-3-CAUSE\_LINKTYPE\_ERR : Unsupported link type - linktype = [dec], dropping packet**

---

**Explanation**            Link type is unsupported at the current time.

**Recommended Action**        Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV4\_FORWARDING-4-CHECKSUM\_ERR : Checksum buffer walk failed**

---

**Explanation**            Internal problem occurred during calculating segmented packet checksum.

**Recommended Action**        Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



**%IPV4\_FORWARDING-3-TABLE\_ID\_SZ\_ERR : Table ID size configured incorrectly: [dec]**

<b>Explanation</b>	Table ID size must be less than or equal to 16 or 32 bits.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPV4\_FORWARDING-3-TRAFFIC\_IDX\_ERR : Traffic index invalid value: [dec] Buckets allocated: [dec]**

<b>Explanation</b>	Traffic index is greater than or equal to the buckets allocated
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IPV4\_REASS\_PROXY****%IPV4\_REASS\_PROXY-3-PROXY\_IPC\_FRAG\_INFO\_MEM\_INIT\_FAILED :**

<b>Explanation</b>	Initialization of fragment information pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

**%IPV4\_REASS\_PROXY-3-PROXY\_IPC\_FRAG\_INFO\_MEM\_EXTEND\_FAILED :**

<b>Explanation</b>	Increasing of fragment information pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

**%IPV4\_REASS\_PROXY-3-PROXY\_IPC\_INIT\_FAILED : [dec]**

<b>Explanation</b>	IPC handler initialization failed.
<b>Recommended Action</b>	LOG_STD_ACTION

---

**%IPV4\_REASS\_PROXY-4-PROXY\_IPC\_INVALID\_MSG : [hex]**

---

**Explanation**      Received an invalid IPC messages subtype.

**Recommended Action**      LOG\_STD\_ACTION

---

## IPV6\_ACL

---

**%IPV6\_ACL-6-ACCESSLOGNP : list [chars]/[dec] [chars] [dec] [IPV6 address] [chars]-> [IPV6 address], [dec] packet[chars]**

---

**Explanation**      A packet matching the log criteria for the given access list was detected.

**Recommended Action**      No action is required.

---



---

**%IPV6\_ACL-6-ACCESSLOGDP : list [chars]/[dec] [chars] [chars] [IPV6 address] [chars]-> [IPV6 address] ([dec]/[dec]), [dec] packet[chars]**

---

**Explanation**      A packet matching the log criteria for the given access list was detected.

**Recommended Action**      No action is required.

---



---

**%IPV6\_ACL-6-ACCESSLOGSP : list [chars]/[dec] [chars] [chars] [IPV6 address] [chars]-> [IPV6 address], [dec] packet[chars]**

---

**Explanation**      A packet matching the log criteria for the given access list was detected.

**Recommended Action**      No action is required.

---



---

**%IPV6\_ACL-6-ACCESSLOGP : list [chars]/[dec] [chars] [chars] [IPV6 address]([dec]) [chars]-> [IPV6 address]([dec]), [dec] packet[chars]**

---

**Explanation**      A packet matching the log criteria for the given access list was detected.

**Recommended Action**      No action is required.

---

# IPV6\_ADDRESS through IRECAGENTSERVER

- [IPV6\\_ADDRESS](#)

- IPV6\_ADDRMGR
- IPV6\_FORWARDING
- IPV6\_POLICY\_API
- IPV6\_REASS\_PROXY
- IPV6\_RIP
- IP\_SNMP
- IP\_TUNNEL
- IP\_VFR
- IRECAGENTSERVER

**IPV6\_ADDRESS**

---

**%IPV6\_ADDRESS-3-INTERNAL : Internal error, [chars]**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV6\_ADDRESS-3-NO\_UNIQUE\_IDENTIFIER : Cannot determine an unique IPv6 identifier for the system. IPv6 will not be started.**

---

<b>Explanation</b>	An unique IPv6 Identifier could not be determined for the system. Therefore the IPv6 process will not be started. This machine will not be able to process any IPv6 packets.
<b>Recommended Action</b>	Verify that there is at least one interface in this machine that supports IEEE-style addresses.

---



---

**%IPV6\_ADDRESS-3-NO\_PROCESS : Cannot start an IPv6 process; router will not process IPv6 packets.**

---

<b>Explanation</b>	An IPv6 process could not be started. This machine will not be able to process any IPv6 packets.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

---



---

**%IPV6\_ADDRESS-3-ADDRESS\_CFG : [IPV6 address]/[dec] can not be configured on [chars], [chars]**

---

<b>Explanation</b>	An error was encountered while configuring an IPv6 address
--------------------	--

---

**%IPV6\_ADDRESS-3-ADDRESS\_CFG : [IPv6 address]/[dec] can not be configured on [chars], [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

---



---

**%IPV6\_ADDRESS-3-NULLIDB : Uninitialized interface pointer - [chars]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV6\_ADDRESS-3-OPINPROGRESS : Operation in progress - [chars]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IPV6\_ADDRMGR**

---

**%IPV6\_ADDRMGR-3-INTERNAL : Internal error, [chars]**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**IPV6\_FORWARDING**

---

**%IPV6\_FORWARDING-2-CAUSE\_THROTTLE\_ERR : Allocation of ipv6 throttle [chars] memory failed**

<b>Explanation</b>	Allocation of memory resource use by ipv6 throttle fail
--------------------	---

**%IPV6\_FORWARDING-2-CAUSE\_THROTTLE\_ERR : Allocation of ipv6 throttle [chars] memory failed**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IPV6\_FORWARDING-3-CAUSE\_LINKTYPE\_ERR : Unsupported link type [chars], dropping packet**

<b>Explanation</b>	Link type is unsupported at the current time.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPV6\_FORWARDING-4-CHECKSUM\_ERR : Checksum buffer walk failed**

<b>Explanation</b>	Internal problem occurred during calculating segmented packet checksum.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPV6\_FORWARDING-3-TABLE\_ID\_SZ\_ERR : Table ID size configured incorrectly: [dec]**

<b>Explanation</b>	Table ID size must be less than or equal to 16 or 32 bits.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IPV6\_POLICY\_API****%IPV6\_POLICY\_API-4-IPV6\_POLICY\_OVERRIDE : Dynamic policy overriding static on intf:[chars]**

<b>Explanation</b>	Static policy and dynamic policy are configured on the interface. The dynamic policy will override the static policy.
<b>Recommended Action</b>	Remove the static policy config if desired.

---

**%IPV6\_POLICY\_API-4-IPV6\_LOCALPOLICYOVERRIDE : Local dynamic policy overriding static local policy**

---

**Explanation** Static policy and dynamic local policy are configured. The dynamic local policy will override the static local policy.

**Recommended Action** Remove the static local policy config if desired.

---

**IPV6\_REASS\_PROXY**

---

**%IPV6\_REASS\_PROXY-3-PROXY\_IPC\_FRAG\_INFO\_MEM\_INIT\_FAILED :**

---

**Explanation** Initialization of fragment information pool failed.

**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPV6\_REASS\_PROXY-3-PROXY\_IPC\_FRAG\_INFO\_MEM\_EXTEND\_FAILED :**

---

**Explanation** Increasing of fragment information pool failed.

**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPV6\_REASS\_PROXY-3-PROXY\_IPC\_INIT\_FAILED : [dec]**

---

**Explanation** IPC handler initialization failed.

**Recommended Action** LOG\_STD\_ACTION

---

---

**%IPV6\_REASS\_PROXY-4-PROXY\_IPC\_INVALID\_MSG : [hex]**

---

**Explanation** Received an invalid IPC messages subtype.

**Recommended Action** LOG\_STD\_ACTION

---

**IPV6\_RIP**

---

**%IPV6\_RIP-3-NULLIDB : Uninitialized interface pointer - RIPv6**

---

**Explanation** An internal software error occurred.

**%IPV6\_RIP-3-NULLIDB : Uninitialized interface pointer - RIPv6**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IPV6\_RIP-3-NULLPAK : Uninitialized packet pointer - RIPv6**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPV6\_RIP-3-NULLPDB : Uninitialized PDB pointer - RIPv6**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPV6\_RIP-3-NULLIPDB : Uninitialized iPDB pointer - RIPv6**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%IPV6\_RIP-3-NULLPROTO : Uninitialized protocol pointer - RIPv6**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---

**%IPV6\_RIP-3-NULLSOC : Uninitialized socket pointer - RIPv6**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV6\_RIP-3-ALLOC\_PDB : Can't alloc PDB structure - RIPv6**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV6\_RIP-3-ALLOC\_IPDB : Can't alloc iPDB structure - RIPv6**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV6\_RIP-3-PROCESS\_CREATE : Can't create process - RIPv6**

---

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

---



---

**%IPV6\_RIP-3-ALLOC\_ERR : Memory allocation problem - RIPv6**

---

<b>Explanation</b>	An internal software error occurred.
--------------------	--------------------------------------

---



**%IPV6\_RIP-3-ALLOC\_ERR : Memory allocation problem - RIPv6**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
---------------------------	---

**%IPV6\_RIP-3-PROCESS\_MSG\_SEND : Can't send message to process - RIPv6**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**IP\_SNMP****%IP\_SNMP-3-SOCKET : can't open UDP socket**

<b>Explanation</b>	The SNMP server was unable to open a port for receiving or transmitting SNMP requests. This usually happens when the SNMP server is started using the snmp-server community configuration command on a router or communication server with an interface that has no IP address configured. Another possible cause is low memory.
<b>Recommended Action</b>	Configure at least one interface with an IP address or specify the no snmp-server command to remove the SNMP server process. Call your technical support representative if problems persist or if it becomes necessary to add memory.

**%IP\_SNMP-4-NOTRAPIP : SNMP trap source [chars] has no ip address**

<b>Explanation</b>	The user entered an snmp-server trap-source command. The interface requested for use as the source address has no ipv4 address associated with it. The SNMP trap is being sent anyway, but without the source address that the user intended.
<b>Recommended Action</b>	There are two possible solutions. Either enter a no snmp-server trap-source command to disable the request for a specific source IP address, or add an IP address to the interface referenced in the snmp-server trap-source configuration command.

**%IP\_SNMP-4-NOTRAIPV6 : SNMP trap source [chars] has no ipv6 address**

<b>Explanation</b>	The user entered an snmp-server trap-source command. The interface requested for use as the source address has no ipv6 address associated with it. The SNMP trap is being sent anyway, but without the source address that the user intended.
--------------------	---

---

**%IP\_SNMP-4-NOTRAPIV6 : SNMP trap source [chars] has no ipv6 address**

<b>Recommended Action</b>	There are two possible solutions. Either enter a no snmp-server trap-source command to disable the request for a specific source IP address, or add an IPV6 address to the interface referenced in the snmp-server trap-source configuration command.
---------------------------	---

---



---

**%IP\_SNMP-4-TOOBIG : Oversize message from [IP\_address], datagram size [int], udp length [int]**

<b>Explanation</b>	An incoming SNMP packet had a length field so large that the system had to assume it was in error. This system made a correct reaction to bad external data. Since SNMP packets should originate from systems under the same administration, this may indicate that the network host used to originate the SNMP request had a problem in its networking layer. Alternatively, if the SNMP packet originated from outside the local administrative domain, it could indicate an failed attempt at security penetration and that site should be watched more closely.
--------------------	---

<b>Recommended Action</b>	If the origin is local, no action is required. If the origin is determined to be malicious, either contact the administrator of the originating site or install filters to prevent access by that site, as circumstances warrant.
---------------------------	---

---

**IP\_TUNNEL**

---

**%IP\_TUNNEL-3-IPC\_OPEN\_REPLY : IPC Open Reply failed, request [int]**

<b>Explanation</b>	For a request from upper TUNNEL software stack layers it was not possible to open the reply buffer. The consequence of this could be a stuck monitor that cannot be established etc. In rare cases this could also affect other operations such as feature activation.
--------------------	--

<b>Recommended Action</b>	This is normally a software issue. LOG_STD_RECUR_ACTION
---------------------------	---

---



---

**%IP\_TUNNEL-3-IPC\_NORES : No space for the IPC reply, size [int]**

<b>Explanation</b>	For a request from upper TUNNEL software stack layers it was not possible to allocate space for a reply for the specified size. The consequence of this could be a stuck monitor that cannot be established etc. In rare cases this could also affect other operations such as feature activation.
--------------------	--

<b>Recommended Action</b>	This is normally a software issue. LOG_STD_RECUR_ACTION
---------------------------	---

---



---

**%IP\_TUNNEL-2-IPC\_INIT : IPC message handler registration failure, rc [int]**

<b>Explanation</b>	Registering an IPC message handler for the Tunnel feature failed. This may cause the feature to not function.
--------------------	---

---

**%IP\_TUNNEL-2-IPC\_INIT : IPC message handler registration failure, rc [int]**

<b>Recommended Action</b>	This is normally a software issue. The consequences are that the tunnel feature may not function. LOG_STD_ACTION
---------------------------	--

---

**IP\_VFR**

---

**%IP\_VFR-4-TINY\_FRAGMENTS : [chars]: from the host [IP\_address] destined to [IP\_address]**

<b>Explanation</b>	This message indicates that the router is receiving tiny fragments - meaning the initial fragment does not have complete layer 4 header
--------------------	---

<b>Recommended Action</b>	This is an informational message
---------------------------	----------------------------------

---



---

**%IP\_VFR-3-OVERLAP\_FRAGMENTS : [chars]: from the host [IP\_address] destined to [IP\_address]**

<b>Explanation</b>	This message is logged whenever the router encounters overlap fragments. Overlap fragment means, offset of one fragment overlaps the offset of another fragment. For example, if first fragment's offset is 0 and length is 800, then the second fragments offset must be 800. If second fragment's offset is less than 800, that means the second fragment overlaps the first fragment.
--------------------	--

<b>Recommended Action</b>	This could possibly be an attack, configure a static ACL to prevent further overlap fragments from the sender
---------------------------	---

---



---

**%IP\_VFR-4-FRAG\_TABLE\_OVERFLOW : [chars]: the fragment table has reached its maximum threshold [dec]**

<b>Explanation</b>	This means the number of datagrams reassembled at a time reached its maximum limit, increase the value of max-reassemblies using ip virtual-reassembly max-reassemblies <number>
--------------------	--

<b>Recommended Action</b>	
---------------------------	--

---



---

**%IP\_VFR-4-TOO\_MANY\_FRAGMENTS : [chars]: Too many fragments per datagram (more than [dec]) - sent by [IP\_address], destined to [IP\_address]**

<b>Explanation</b>	This message indicates the datagram being reassembled has received more fragments than its threshold value
--------------------	--

<b>Recommended Action</b>	Check if the fragments received are from a genuine source, if so increase the value of max-fragments using the CLI ip virtual-reassembly max-fragments <number>
---------------------------	---

---

---

**%IP\_VFR-3-INVALID\_FRAG\_LENGTH : [chars]: fragment length invalid - received from [IP\_address], destined to [IP\_address]**

---

**Explanation** This message indicates that the router has encountered a ping-of-death sort of an attack

**Recommended Action** To prevent further attacks, its highly recommended that an ACL be configured to drop any traffic from the sender

---



---

**%IP\_VFR-3-SYSTEM\_ERROR : [chars]: IP VFR System failure - [chars]**

---

**Explanation** This message indicates the misc errors in the VFR subsystem

**Recommended Action**

---

## IREAGENTSERVER

---

**%IREAGENTSERVER-3-NOINIT : Can't initialize iREC agent server**

---

**Explanation** Internal problems with initializing ports for the iREC agentserver

**Recommended Action** Make sure the iREC agent server port is available on the localmachine.

---



---

**%IREAGENTSERVER-3-NOMEM : Can't initialize memory for iREC agent server**

---

**Explanation** Insufficient Memory for iREC agent server

**Recommended Action** Increase amount of available memory

---



---

**%IREAGENTSERVER-3-NOSOCKETS : Max Number of iREC agent Server sockets exceeded**

---

**Explanation** There are too many iREC agent clients requesting service

**Recommended Action** Reduce number of iREC agent requesting service

---



---

**%IREAGENTSERVER-3-NOPROC : Could not start iREC agent Server**

---

**Explanation** Internal Problem in process creation

**Recommended Action** None

---