



GBIC_SECURITY_CRYPT through IPA

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GBIC_SECURITY_CRYPT through HAL_GENMEM

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GBIC_SECURITY_CRYPT**%GBIC_SECURITY_CRYPT-4-UNRECOGNIZED_VENDOR : GBIC in port [dec] manufactured by an unrecognized vendor**

Explanation	The GBIC was identified as a Cisco GBIC, but the system was unable to match its manufacturer with one on the known list of Cisco GBIC vendors
Recommended Action	Check to see if the Cisco IOS software running on the system supports the GBIC. If the GBIC is newer, a system software upgrade might be required.

%GBIC_SECURITY_CRYPT-4-VN_DATA_CRC_ERROR : GBIC in port [dec] has bad crc

Explanation	The GBIC was identified as a Cisco GBIC, but it does not have valid CRC in the EEPROM data.
Recommended Action	Check to see if the Cisco IOS software running on the system supports the GBIC. If the GBIC is newer, a system software upgrade might be required. Even if the GBIC is unrecognized by the system, the GBIC may still operate properly, but might have limited functionality.

%GBIC_SECURITY_CRYPT-4-ID_MISMATCH : Identification check failed for GBIC in port [dec]

Explanation	The GBIC was identified as a Cisco GBIC, but the system was unable to verify its identity
Recommended Action	Check to see if the Cisco IOS software running on the system supports the GBIC. If the GBIC is newer, a system software upgrade might be required. Otherwise, verify that the GBIC was obtained from Cisco or from a supported vendor.

GBIC_SECURITY_UNIQUE**%GBIC_SECURITY_UNIQUE-4-DUPLICATE_SN : GBIC interface [dec]/[dec] has the same serial number as another GBIC interface**

Explanation	The GBIC was identified as a Cisco GBIC, but its serial number matches that of another interface on the system.
Recommended Action	Cisco GBICs are assigned unique serial numbers. Verify that the GBIC was obtained from Cisco or a supported vendor

%GBIC_SECURITY_UNIQUE-3-DUPLICATE_GBIC : GBIC interface [dec]/[dec] is a duplicate of GBIC interface [dec]/[dec]

Explanation	The GBIC was identified as a Cisco GBIC, but its vendor ID and serial number match that of another interface on the system.
Recommended Action	Cisco GBICs are assigned unique serial numbers. Verify that the GBIC was obtained from Cisco or a supported vendor

GDOI

%GDOI-1-GDOI_ACL_NUM : The ACL has too many entries. GDOI will honor only the first 100 ACL entries specified.

Explanation	The ACL has too many entries. GDOI will honor only the first 100 ACL entries 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.

%GDOI-3-GDOI_ACL_RANGE : The ACL [chars] contains port range which is NOT supported. WARNING: No TEK policy will be created.

Explanation	GDOI does not support port range in the ACL policy.
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.

%GDOI-1-GDOI_ACE_DENY : A Group Member ACL policy containing deny was attempted. This is not supported.

Explanation	A Group Member ACL policy containing deny was attempted. This is not supported.
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.

%GDOI-1-UNREGISTERED_INTERFACE : Group [chars] received registration from unregistered interface.

Explanation	Receiving registration from unregistered interface. Stop processing it.
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.

%GDOI-1-UNAUTHORIZED_IDENTITY : Group [chars] received registration from unauthorized identity: [chars]

Explanation The registration request was dropped because the requesting device was not authorized to join the group.

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.

%GDOI-1-UNAUTHORIZED_IPADDR : Group [chars] received registration from unauthorized ip address: [chars]

Explanation The registration request was dropped because the requesting device was not authorized to join the group.

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.

%GDOI-4-GM_RE_REGISTER : The IPsec SA created for group [chars] may have expired/been cleared, or didn't go through. Re-register to KS.

Explanation The IPsec SA created for one group may have expired/been cleared, or didn't go through, need to re-register to KS.

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.

%GDOI-5-GM_REGS_COMPL : Registration to KS [chars] complete for group [chars] using address [chars] fvrf [chars] ivrf [chars]

Explanation Complete registration

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.

%GDOI-5-GM_FAILED_TO_INSTALL_POLICIES : FAILED: Installation of Reg/Rekey policies from KS [chars] for group [chars] & gm identity [chars]

Explanation	Failed Policy installation
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.

%GDOI-5-GM_INSTALL_POLICIES_SUCCESS : SUCCESS: Installation of Reg/Rekey policies from KS [chars] for group [chars] & gm identity [chars] fvr [chars] ivr [chars]

Explanation	Policy Installation Success
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.

%GDOI-5-GM_RECV_REKEY : Received Rekey for group [chars] from [chars] to [chars] with seq # [dec], spi [hex][hex]

Explanation	Received Rekey
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.

%GDOI-5-KS_SEND_MCAST_REKEY : Sending Multicast Rekey [chars]for group [chars] from address [chars] to [chars] with seq # [dec] spi: [hex][hex]

Explanation	Sending Multicast Rekey
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.

%GDOI-5-KS_SEND_UNICAST_REKEY : Sending Unicast Rekey [chars]for group [chars] from address [chars] with seq # [dec] spi: [hex][hex]

Explanation	Sending Unicast Rekey
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%GDOI-5-KS_SEND_UNICAST_REKEY : Sending Unicast Rekey [chars]for group [chars] from address [chars] with seq # [dec] spi: [hex][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.

%GDOI-3-KS_BAD_ID : Registration: [chars] config mismatch between KS and the GM [IP_address], in the group [chars].

Explanation During GDOI registration protocol, a configuration mismatch between local key server and group member.

Recommended Action Contact the Group member's administrator.

%GDOI-3-GDOI_REKEY_FAILURE : Processing of REKEY payloads failed on GM [chars] in the group [chars], with peer at [chars]

Explanation During GDOI rekey the payload parsing failed on this GM from the Key Server.

Recommended Action Contact the Group member's administrator.

%GDOI-3-GDOI_REKEY_SEQ_FAILURE : Failed to process rekey seq # [int] in seq payload for group [chars], last seq # [int]

Explanation During GDOI rekey the seq payload parsing failed on this GM from the Key Server.

Recommended Action Contact the Group member's administrator.

%GDOI-4-KS_GM_REJECTS_SA_PAYLOAD : Registration: GM [IP_address] rejected a policy in the SA proposal sent by KS, in the group [chars].

Explanation During GDOI registration protocol, a proposal sent by the key server was refused by the group member.

Recommended Action Contact the Group member's administrator.

%GDOI-4-GM_REJECTING_SA_PAYLOAD : Registration: Policy in SA payload sent by KS [IP_address] rejected by GM in the group [chars] reason [chars].

Explanation During GDOI registration protocol, a proposal sent by the key server was refused by the local group member.

Recommended Action Contact the Key server's administrator.

%GDOI-4-KS_HASH_FAIL : Registration: Bad(No) Hash in Message sent by the GM [IP_address] to KS in the group [chars].

Explanation During GDOI registration protocol, a message sent by the Group member has bad or no hash .

Recommended Action Contact the Group member's administrator.

%GDOI-4-GM_HASH_FAIL : Registration: Bad(No) hash in message sent by the KS [IP_address] to GM in the group [chars].

Explanation During GDOI registration protocol, a message sent by the Key server has bad or no hash .

Recommended Action Contact the Key Server's administrator.

%GDOI-3-KS_UNAUTHORIZED : Registration: Unauthorized [IP_address] tried to join the group [chars].

Explanation During GDOI registration protocol, an unauthorized member tried to join a group. Some might consider this a hostile event.

Recommended Action Contact the Key Server's administrator.

%GDOI-3-KS_GM_REVOKED : Re-Key: GM [IP_address] revoked by KS in the group [chars].

Explanation During Re-key protocol, an unauthorized member tried to join a group. Some might consider this a hostile event.

Recommended Action Contact the Key Server's administrator.

%GDOI-5-KS_GROUP_ADD : Config: KS [IP_address] added to the Group [chars].

Explanation A Config command has been executed to add a Key Server in a group

%GDOI-5-KS_GROUP_ADD : Config: KS [IP_address] added to the Group [chars].

Recommended Action Informational message.

%GDOI-5-KS_GROUP_DELETE : Config: KS [IP_address] removed from the Group [chars].

Explanation A Config command has been executed to remove a Key Server from a group

Recommended Action Informational message.

%GDOI-6-KS_FIRST_GM : Re-key: First GM [IP_address] seen by KS in the group [chars].

Explanation Local key server has received the first group member joining the group

Recommended Action Informational message.

%GDOI-6-KS_LAST_GM : Re-key: Last GM [IP_address] left the group [chars].

Explanation Last group member has left the group on the local key server

Recommended Action Informational message.

%GDOI-5-GM_CM_ATTACH : Crypto map attached for GM in group [chars].

Explanation A crypto map has been attached for the local group member.

Recommended Action Informational message.

%GDOI-5-GM_CM_DETACH : Crypto map detached for GM in group [chars].

Explanation A crypto map has been detached for the local group member.

Recommended Action Informational message.

%GDOI-5-GM_UNREGISTER : GM left the group [chars].

Explanation A Group member has left the group.

Recommended Action Informational message.

%GDOI-4-GM_RECV_POLICY_REPLACE_NOW : GM received policy replace now rekey from KS in group [chars].

Explanation A messages sent by the KS to immediately replace SAs policies on the GM has been received.

Recommended Action Informational message.

%GDOI-4-GM_RECV_DELETE_IMMEDIATE : GM receive REMOVAL-NOW in group [chars] to cleanup downloaded policy now. Re-registration will start in a randomly chosen period of [dec] sec

Explanation A messages sent by the KS to delete the GM has been received.

Recommended Action Informational message.

%GDOI-4-GM_RECV_RE_AUTH : GM received Re-auth-msg from KS in group [chars]. re-registration will start before SA expiry

Explanation A message sent by the KS to have a GM re-auth has been received.

Recommended Action Informational message.

%GDOI-4-GM_RECV_DELETE : GM received delete-msg from KS in group [chars]. TEKs lifetime are reduced and re-registration will start before SA expiry

Explanation A messages sent by the KS to delete the GM has been received.

Recommended Action Informational message.

%GDOI-5-GM_CLEAR_REGISTER : Config: GM cleared gdoi configuration for the group [chars].

Explanation clear crypto gdoi command has been executed by the local GM

Recommended Action Informational message.

%GDOI-5-KS_CLEAR_REGISTER : Config: KS cleared gdoi configuration for the group [chars].

Explanation clear crypto gdoi command has been executed by the local KS

Recommended Action Informational message.

%GDOI-3-COOP_KS_UNREACH : Cooperative KS [chars] Unreachable in group [chars]. IKE SA Status = [chars]

Explanation The reachability between the configured cooperative key servers is lost. Some might consider this a hostile event.

Recommended Action Contact the Administrator(s) of the configured key servers.

%GDOI-5-COOP_KS_REACH : Reachability restored with Cooperative KS [chars] in group [chars].

Explanation The reachability between the configured cooperative key servers is restored.

Recommended Action Informational message

%GDOI-5-COOP_KS_ADD : [chars] added as COOP Key Server in group [chars].

Explanation A key server has been added to the list of cooperative key servers in a group

Recommended Action Informational message

%GDOI-5-COOP_KS_REMOVE : [chars] removed as COOP Key Server in group [chars].

Explanation A key server has been removed from the list of cooperative key servers in a group

Recommended Action Informational message

%GDOI-4-COOP_KS_UNAUTH : Contact from unauthorized KS [chars] in group [chars] at local address [chars] (Possible MISCONFIG of peer/local address)

Explanation An unauthorized remote server tried to contact the local KS may be at different key server address in a group. Some might consider this a hostile event.

Recommended Action Informational message

%GDOI-5-COOP_KS_ELECTION : KS entering election mode in group [chars] (Previous Primary = [chars])

Explanation The local Key server has entered the election process in a group

Recommended Action Informational message

%GDOI-5-COOP_KS_TRANS_TO_PRI : KS [chars] in group [chars] transitioned to Primary (Previous Primary = [chars])

Explanation The local Key server transitioned to a primary role from being a secondary server in a group

Recommended Action Informational message

%GDOI-5-COOP_KS_ADMN_USRP_PRI : Primary role Usurped by KS [chars] in group [chars].

Explanation A network administrator has made the local KS as primary, by means of a CLI command. Currently Unimplemented.

Recommended Action Informational message

%GDOI-5-GM_REKEY_TRANS_2_MULTI : Group [chars] transitioned to multicast rekey.

Explanation GM has transitioned from using unicast rekey mechanism to multicast mechanism

Recommended Action Informational message

%GDOI-5-KS_REKEY_TRANS_2_MULTI : Group [chars] transitioned to multicast rekey.

Explanation Group has transitioned from using unicast rekey mechanism to multicast mechanism

Recommended Action Informational message

%GDOI-5-GM_REKEY_TRANS_2_UNI : Group [chars] transitioned to Unicast Rekey.

Explanation GM has transitioned from using multicast rekey mechanism to unicast mechanism

Recommended Action Informational message

%GDOI-5-KS_REKEY_TRANS_2_UNI : Group [chars] transitioned to Unicast Rekey.

Explanation Group has transitioned from using multicast rekey mechanism to unicast mechanism

Recommended Action Informational message

%GDOI-4-GM_REKEY_NOT_REC'D : GM did not receive rekey from KS [IP_address] in group [chars].

Explanation GM has not received a rekey message from a key server in a group Currently Unimplemented.

Recommended Action Informational message

%GDOI-5-KS_NACK_GM_EJECT : KS ejected GM [IP_address] in group [chars].

Explanation Key server has reached a condition of not receiving an ACK from GM and has been ejected

Recommended Action Informational message

%GDOI-3-KS_BLACKHOLE_ACK : KS blackholing GM [IP_address] in group [chars].

Explanation Key server has reached a condition of blackholing messages from GM Some might consider this a hostile event.

Recommended Action

%GDOI-4-KS_UNSOLED_ACK : KS received unsolicited ACK from GM [IP_address] in group [chars].

Explanation Key server has received an unsolicited ACK from a past GM or is under a DOS attack. Some might consider this a hostile event.

Recommended Action

%GDOI-5-KS_REGS_COMPL : KS completed successful registration in group [chars] with GM [IP_address].

Explanation Key server has successfully completed a registration in a group

Recommended Action

%GDOI-5-GM_ENABLE_GDOI_CM : GM has enabled ACL on GDOI crypto map in group [chars].

Explanation Group member has enabled ACL on a GDOI Crypto map in a group with a key server

Recommended Action

%GDOI-5-GM_ACL_MERGE : ACL between KS and GM in group [chars] merged.

Explanation The ACL differences between GM and KS are resolved and a merge took place

**Recommended
Action**

%GDOI-5-GM_SA_INGRESS : Receive only ACL received from KS [IP_address] in group [chars].

Explanation Received only acl has been received by GM from a KS in a group

**Recommended
Action**

%GDOI-5-KS_CONV_SAS_DUPLEX : IPSec SAs converted to Duplex in group [chars].

Explanation IPSec SAs have been converted to bidirectional mode in a group

**Recommended
Action**

%GDOI-5-KS_CONV_SAS_INGRESS : IPSec SAs converted to Ingress in group [chars].

Explanation IPSec SAs have been converted to receive only mode in a group

**Recommended
Action**

%GDOI-5-GM_CONV_SA_DUPLEX : IPSec SAs converted to Duplex in group [chars] on the GM.

Explanation IPSec SAs have been converted to bidirectional mode in a group on a GM

**Recommended
Action**

%GDOI-5-GM_CONV_SA_DUPLEX_LOCAL : IPSec SAs converted to Duplex in group [chars] on a GM by a local event.

Explanation IPSec SAs have been converted to bidirectional mode in a group on a GM by a CLI command

**Recommended
Action**

%GDOI-5-LKH_ENABLE : LKH enabled in group [chars].

Explanation LKH has been enabled in a group

**Recommended
Action**

%GDOI-5-LKH_DISABLE : LKH disabled in group [chars].

Explanation LKH has been disabled in a group

**Recommended
Action**

%GDOI-4-LKH_GM_DELETE : GM [IP_address] deleted from LKH in group [chars].

Explanation A Group member has been deleted in a group from LKH

**Recommended
Action**

%GDOI-4-TIMEBASED_REPLAY_FAILED : An anti replay check has failed in group [chars]: my_pseudotime = [chars], peer_pseudotime = [chars], replay_window = [dec] (sec), src_ip = [IP_address], dst_ip = [IP_address]

Explanation A Group member or Key server has failed an anti replay check.

**Recommended
Action**

%GDOI-3-PIP_PSEUDO_TIME_ERROR : An Anti-Replay check has failed for PIP in group [chars]: my_pseudotime = [chars], peer_pseudotime = [chars], replay_window = %lld (sec), src_addr = [chars], dst_addr = [chars]

Explanation A Group member has failed PIP anti replay check.

**Recommended
Action**

%GDOI-3-P2P_KGS_INFRA_ERROR : PIP session with [chars] failed because of KGS Infra failure. Reason = [chars]

Explanation A Group Member has encountered a KGS Infra failure.

%GDOI-3-P2P_KGS_INFRA_ERROR : PIP session with [chars] failed because of KGS Infra failure. Reason = [chars]

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.

%GDOI-4-TIMEBASED_REPLAY_FAILED_IPV6 : An anti replay check has failed in group [chars]: my_pseudotime = [chars], peer_pseudotime = [chars], replay_window = [dec] (sec), src_ip = [IPV6 address], dst_ip = [IPV6 address]

Explanation A Group member or Key server has failed an anti replay check.

Recommended Action

%GDOI-3-GM_FAILED_TO_INITIALISE : GDOI GM Process has failed to initialise

Explanation GDOI Group Member process has failed to initialise on this Network Element

Recommended Action

%GDOI-3-PSEUDO_TIME_LARGE : Pseudotime difference between KS ([dec] sec) and GM ([dec] sec) is larger than expected in group [chars]. Adjust to new PST

Explanation A Group member has received pseudotime which has large difference as compared to own pseudotime

Recommended Action

%GDOI-3-PSEUDO_TIME_TOO_OLD : Rekey received in group [chars] is too old and fail PST check: my_pst is [dec] sec, peer_pst is [dec] sec, allowable_skew is [dec] sec

Explanation A Group member has received pseudotime which has large difference as compared to own pseudotime

Recommended Action

%GDOI-3-GM_INCOMPLETE_CFG : Registration: incomplete config for group [chars]

Explanation Registration can not be completed since the GDOI group configuration may be missing the group id, server id, or both

Recommended Action Contact the Group member's administrator.

%GDOI-1-KS_NO_RSA_KEYS : RSA Key - [chars] : Not found, Required for group [chars]

Explanation Rsa Keys were not found in Key Server and they are required for signing and verifying rekey messages

Recommended Action Contact the Key Server's administrator and ask him to do create the RSA Key pair

%GDOI-4-RSA_KEYS_MODIFIED : WARNING: GMs for group [chars] will re-register due to signature verification failure

Explanation Rekeys will be dropped by GM as signature verification would fail due to modification of RSA Keys

Recommended Action Informational message

%GDOI-3-KS_REKEY_AUTH_KEY_LENGTH_INSUFFICIENT : Rejected [chars] change: using sig-hash algorithm [chars] requires an authentication key length of at least [int] bits ([int] blocks in bytes) - [chars] [chars] key [chars] is only [int] blocks in bytes

Explanation Using a sig-hash algorithm for rekeys requires that the RSA key modulus length for the rekey authentication be at least the length of the hash generated by the sig-hash algorithm plus some padding bytes. If the RSA key modulus length is not large enough, the Key Server administrator needs to generate a new RSA key pair with a sufficient length.

Recommended Action Contact the Key Server's administrator to re-generate the RSA key pair with at least the modulus length given in the syslog.

%GDOI-3-COOP_CONFIG_MISMATCH : WARNING: Group [chars], [chars] configuration between Primary KS and Secondary KS are mismatched

Explanation The configuration between Primary KS and Secondary KS are mismatched

Recommended Action Contact the Key Server's administrator

%GDOI-3-GM_ACL_PERMIT : GM doesn't support permit configured under local access-list. Traffic from [chars] to [chars] will be dropped.

Explanation GM can only support ACL for deny. Any traffic matching the permit entry will be dropped.

Recommended Action Remove the permit entry from the ACL used by GDOI crypto map

%GDOI-3-GM_NO_IPSEC_FLOWS : IPsec FLOW limit possibly reached

Explanation Hardware Limitation for IPsec Flow limit Reached. Cannot create any more IPsec SAs

Recommended Action Contact the Group member's administrator.

%GDOI-3-GM_NO_CRYPT_ENGINE : No crypto engine is found due to lack of resource or unsupported feature requested

Explanation Failed to select a suitable crypto engine because requested packet path not available, or requested feature not supported

Recommended Action Check policy configured on KS

%GDOI-3-COOP_PACKET_DROPPED : Announcement message dropped due to packet size [dec] bytes.

Explanation Hard limit set on the driver buffer size prevents sending packets of this size or bigger

Recommended Action Informational message

%GDOI-3-UNEXPECTED_SIGKEY : Unexpected Signature Key detected: freeing it

Explanation Unexpected Signature Key found: freeing the signature key

Recommended Action Informational message

%GDOI-3-UNSUPPORTED_TEK_PROTO : Unexpected TEK Protocol : [dec]

Explanation Unexpected TEK PROTOCOL

Recommended Action Informational message

%GDOI-4-GM_DELETE : GM [chars] deleted from group [chars].

Explanation A group member has been deleted in a group from Key Server**Recommended Action** Informational message

%GDOI-5-KS_USING_DEFAULT_TRANSFORM : GETVPN is using default transforms for profile [chars]

Explanation Using default transformset**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.

%GDOI-5-GM_REKEY_CIPHER_HASH_CHECK_FAIL : Rekey cipher/hash ([chars]) used in Group [chars] is unacceptable by this client.

Explanation The key-server has chosen KEK rekey cipher/hash algorithms which are not acceptable by this group-member**Recommended Action** Contact the Key server's administrator.

%GDOI-5-GM_REKEY_TRANSFORMSET_CHECK_FAIL : The transformset ([chars]) for data-protection in Group [chars] is unacceptable by this client.

Explanation The key-server has chosen a TEK transformset which is not acceptable by this group-member**Recommended Action** Contact the Key server's administrator.

%GDOI-3-COOP_ANN_SEQ_FAILURE : COOP Ann msg seq check failed for group [chars], ann seq# [int], sess seq# [int]

Explanation COOP Ann msg seq check failed**Recommended Action** Contact Administrator

%GDOI-4-GDOI_ANN_TIMESTAMP_TOO_OLD : COOP_KS ANN from KS [chars] in group [chars] is too old and fail PST check: my_pst is [int] sec, peer_pst is [int] sec, allowable_skew is [dec] sec

Explanation The KS has received an ANN msg from a primary KS in which the timestamp is too old

**Recommended
Action**

%GDOI-4-GDOI_ANN_TIMESTAMP_LARGE : COOP_KS ANN received from KS [chars] in group [chars] has PST bigger than myself. Adjust to new PST: my_old_pst is [int] sec, peer_pst is [int] sec

Explanation The KS receive an ANN from a KS in which the timestamp is bigger than expected; also update my PST to peer's

**Recommended
Action**

%GDOI-4-GDOI_ANN_TIMESTAMP_LARGE_NO_UPDATE : COOP_KS ANN received from KS [chars] in group [chars] has PST bigger than myself: my_pst is [int] sec, peer_pst is [int] sec

Explanation The KS receive an ANN from a KS in which the timestamp is bigger than expected; No update of my PST

**Recommended
Action**

%GDOI-4-GDOI_ANN_INCONSISTENT_TBAR : COOP_KS ANN received from [chars] in group [chars] has inconsistent TBAR setting inconsistent than mine

Explanation The KS has received an ANN msg from a secondary KS in which the timestamp is too old

**Recommended
Action**

%GDOI-5-COOP_KS_VALID_ANN_TIMER_EXPIRED : This sec-KS has NOT received an ANN with valid PST for an extended period in group [chars]. It will block new GMs registration temporarily until a valid ANN is received

Explanation No valid ANN message has been received in this secondary KS for a prolong period. Temporarily blocking new GM registrations until a valid ANN is received

**Recommended
Action** Informational message

%GDOI-5-COOP_KS_BLOCK_NEW_GM_REGISTER_ANN : This KS temporarily blocks GM with ip-addr [chars] from registering in group [chars] as it has not received an ANN with valid PST for prolonged period

Explanation No valid ANN message has been received in this secondary KS for a prolong period. Temporarily blocking new GM registrations until a valid ANN is received

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.

%GDOI-5-COOP_KS_BLOCK_NEW_GM_REGISTER_ELECTION : This KS temporarily blocks GM with ip-addr [chars] from registering in group [chars] as the KS election is underway

Explanation The KS is in the process of electing a primary. Temporarily blocking new GM registrations until the election is complete

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.

%GDOI-5-COOP_KS_BLOCK_NEW_GM_REGISTER_KSSID : This KS is blocking GM with ip-addr [chars] from registering in group [chars] as it has overlapping KS Sender Identifier(s) (KSSID) with another COOP-KS peer (MISCONFIG)

Explanation Another COOP-KS peer in the group has been configured with a KSSID value that is the same as one configured on this KS. GM registration is blocked as a result until the overlap is fixed.

Recommended Action Check the configured KSSID(s) for all COOP-KS peers by issuing 'show crypto gdoi ks coop ident detail' on the primary KS

%GDOI-5-COOP_KS_RESUME_NEW_GM_REGISTER : This KS will now resume new GM registration functionality in group [chars]

Explanation This KS will now resume new GM registration functionality

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.

%GDOI-5-SA_KEK_UPDATED : SA KEK was updated [hex][hex][hex][hex]

Explanation	KEK was updated in the Registration/Rekey and a new KEK SA was created
Recommended Action	Informational message.

%GDOI-5-SA_PIP_UPDATED : SA PIP was updated 0x[chars]

Explanation	PIP was updated in Registration/Rekey and a new PIP SA was created
Recommended Action	Informational message.

%GDOI-3-SA_KEK_INSATALL_FAILED : Failed to install KEK SA

Explanation	KEK SA instalation has failed
Recommended Action	Informational message.

%GDOI-3-P2P_PEER_MIGRATE_FAILED : Failed to install P2P rekey SA with peer [chars] in group [chars]

Explanation	Installation of P2P Rekey SA with an existing peer has failed
Recommended Action	Check the status of all peers using the command 'show crypto gdoi gm p2p peers' and wait for PIP initiation between the failed peers. Traffic distruption may occur.

%GDOI-5-SA_TEK_UPDATED : SA TEK was updated

Explanation	TEK was updated in the Registration/Rekey and a new TEK IPSEC SA was created
Recommended Action	Informational message.

%GDOI-4-GM_MINOR_VERSION_MISMATCH : GM [IP_address] Minor Version mismatch. Use 'show crypto gdoi ks members' to see GM versions

Explanation	GM has different minor version.
Recommended Action	show crypto gdoi ks members

%GDOI-3-GM_MAJOR_VERSION_MISMATCH : GM [IP_address] registration rejected due to major version mismatch. GM must be using major version [dec] in order to be compatible with this KS

Explanation GM has a non-compatible major version.

Recommended Action Check GDOI version compatibility on KS and GMs

%GDOI-4-KS_MINOR_VERSION_MISMATCH : COOP-KS Minor Version mismatch in group [chars]. My version is [dec].[dec].[dec], peer [chars] has version [dec].[dec].[dec]

Explanation Coop KS has different minor version.

Recommended Action show crypto gdoi ks coop

%GDOI-3-KS_MAJOR_VERSION_MISMATCH : COOP-KS Major Version mismatch in group [chars]. My version is [dec].[dec].[dec], peer [chars] has version [dec].[dec].[dec]

Explanation COOP-KS has a non-compatible major version.

Recommended Action Check GDOI version compatibility on KS

%GDOI-2-COOP_MINOR_VERSION_MISMATCH : COOP-KS Minor version mismatch in group [chars]. My COOP version is [dec].[dec].[dec], peer [chars] has version [dec].[dec].[dec]. Upgrade [chars] [chars] to COOP version [dec].[dec].[dec] to prevent COOP outage.

Explanation Coop KS has different minor version.

Recommended Action show crypto gdoi ks coop

%GDOI-3-COOP_MAJOR_VERSION_MISMATCH : COOP-KS Major Version mismatch in group [chars]. My version is [dec].[dec].[dec], peer [chars] has version [dec].[dec].[dec]

Explanation COOP-KS has a non-compatible major version.

Recommended Action Check COOP version compatibility on KS

%GDOI-3-COOP_LIMIT_REACHED : Peer [chars] has reached COOP limit of maximum number of gms. COOP GM database sync fails. Upgrade to COOP version [dec].[dec].[dec] and above

Explanation COOP-KS has a non-compatible peer.

%GDOI-3-COOP_LIMIT_REACHED : Peer [chars] has reached COOP limit of maximum number of gms. COOP GM database sync fails. Upgrade to COOP version [dec].[dec].[dec] and above

Recommended Action Check COOP version compatibility on peer KS

%GDOI-5-POLICY_CHANGE : GDOI group [chars] policy has changed. Use 'crypto gdoi ks rekey' to send a rekey, or the changes will be send in the next scheduled rekey

Explanation Reminder message that GDOI configuration has changed.

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.

%GDOI-5-ESON_POLICY_CHANGE_RESTART1 : ESON group [chars] policy has changed. Must use 'clear crypto gdoi ks members now' to restart the group

Explanation Reminder message that ESON configuration has changed.

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.

%GDOI-5-ESON_POLICY_CHANGE_RESTART2 : ESON group [chars] policy has changed. Must use 'crypto gdoi ks replace now' to restart the group

Explanation Reminder message that ESON configuration has changed.

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.

%GDOI-5-GM_DELETE_EXPIRED_KEK : KEK expired for group [chars] and was deleted

Explanation Deleting Expired KEK

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.

%GDOI-5-GM_DELETE_EXPIRED_PIP : PIP with SPI 0x[chars] expired for group [chars] and was deleted

Explanation	Deleting Expired PIP
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.

%GDOI-5-GM_DELETE_EXPIRED_P2P : P2P SA with epoch hash 0x[chars] expired for group [chars] and was deleted

Explanation	Deleting Expired P2P
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.

%GDOI-5-POLICY_CHANGE_TO_SUITEB : Group [chars] changed to Suite-B policy. Use 'crypto gdoi ks rekey' to generate the new Suite-B policy and cause all GMs to re-register to download SIDs, or this will happen in the next scheduled rekey

Explanation	Migrating from non-Suite-B to Suite-B policy requires that the user issues 'crypto gdoi ks rekey' like any other POLICY_CHANGE, but this will cause a re-initialization rather than just a rekey.
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.

%GDOI-5-KS_REINIT_GROUP : [chars] for group [chars] and will re-initialize the group.

Explanation	KS has reached one of the following conditions (indicated by the first part of the message) requiring re-initialization of the group: - Group Size configuration changed - Previously used KSSID removed from configured KSSID set - KS runs out of KSSIDs & GMSIDs - COOP SID client gets a re-initialization indication from COOP-KS - KSSID overlap detected by COOP is resolved - TEK policy is changed from non-CTR to CTR (SIDs required).
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%GDOI-5-KS_REINIT_GROUP : [chars] for group [chars] and will re-initialize the group.

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.
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%GDOI-5-KS_REINIT_FINISH : Re-initialization of group [chars] completed.

Explanation	A previously triggered re-initialization, as signified by a %GDOI-5-KS_REINIT_GROUP syslog, has completed after the expiry of the old TEK.
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.

%GDOI-3-KS_NO_SID_AVAILABLE : GMs for group [chars] need SIDs but this KS has no KS SIDs configured or no more SIDs available.

Explanation	This KS has a counter-mode transform configured requiring SIDs and either has no KSSIDs configured or has run out of SIDs. Registering GMs will not be able to register successfully until more KSSIDs are configured on this KS.
Recommended Action	Check the configured KSSID(s) for this KS by issuing 'show crypto gdoi ks ident detail' and consider configuring more KSSIDs using the 'identifier' sub-mode under 'server local'.

%GDOI-3-COOP_KSSID_OVERLAP : Overlapping KS Sender Identifier(s) (KSSID) {[chars]} with COOP-KS peer [chars] in group [chars] blocking GM registration (MISCONFIG)

Explanation	Another COOP-KS peer in the group has been configured with a KSSID value that is the same as one configured on this KS. GM registration is blocked as a result until the overlap is fixed.
Recommended Action	Check the configured KSSID(s) for all COOP-KS peers by issuing 'show crypto gdoi ks coop ident detail' on the primary KS

%GDOI-5-COOP_KSSID_OVERLAP_RESOLVED : Resolved overlapping KS Sender Identifier(s) (KSSID) with COOP-KS peer allowing GM registrations once again

Explanation	Another COOP-KS peer in the group had been configured with a KSSID value that was the same as one configured on this KS, but has been resolved so that GM registration is allowed again.
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%GDOI-5-COOP_KSSID_OVERLAP_RESOLVED : Resolved overlapping KS Sender Identifier(s) (KSSID) with COOP-KS peer allowing GM registrations once again

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.

%GDOI-5-GM_IV_EXHAUSTED : GM for group [chars] exhausted its IV space for interface [chars] and will re-register.

Explanation One of the interfaces where a CTR transform (e.g. GCM-AES / GMAC-AES) has been installed as TEK policy with SIDs has exhausted its IV space & must re-register to receive new SIDs.

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.

%GDOI-5-GM_REKEY_IPV4_POLICY_CHECK_FAIL : Non-IPv4 policies is received in IPv4 Group [chars]; rekey is rejected

Explanation This GM is registering to an IPv4 group but erroneously receiving IPv6 policies in rekey

Recommended Action Contact the Key server's administrator.

%GDOI-5-GM_REKEY_IPV6_POLICY_CHECK_FAIL : Non-IPv6 policies is received in IPv6 Group [chars]; rekey is rejected

Explanation This GM is registering to an IPv6 group but erroneously receiving IPv4 policies in rekey

Recommended Action Contact the Key server's administrator.

%GDOI-4-UNKNOWN_GM_VERSION_REGISTER : WARNING: GM [IP_address] with unknown GDOI ver registered to group [chars] (e.g old-IOS or non-Cisco GM please check 'show crypto gdoi ks members' and 'show crypto gdoi feature' to ensure all your GMs can support the GETVPN features enabled.

Explanation A GM is registered with unknown GDOI SW version; cannot determine its feature capability.

%GDOI-4-UNKNOWN_GM_VERSION_REGISTER : WARNING: GM [IP_address] with unknown GDOI ver registered to group [chars] (e.g old-IOS or non-Cisco GM please check 'show crypto gdoi ks members' and 'show crypto gdoi feature' to ensure all your GMs can support the GETVPN features enabled.

Recommended Action Check GMs can support all GETVPN features enabled in KS. Also check output of 'show crypto gdoi feature' and 'debug crypto gdoi ks infra detail' (note: high volume of debugs). msgdef_ddts_component(ipsec-getvpn)

%GDOI-4-NEWER_GM_VERSION_REGISTER : WARNING: GM [IP_address] registers to group [chars] with newer GDOI version than KS. Please check 'show crypto gdoi ks members' and 'show crypto gdoi feature' to ensure all GMs can support the GETVPN features enabled.

Explanation A GM is registered with newer GDOI SW version; cannot determine its feature capability.

Recommended Action Check GMs can support all GETVPN features enabled in KS. Also check output of 'show crypto gdoi feature' and 'debug crypto gdoi ks infra detail' (note: high volume of debugs). msgdef_ddts_component(ipsec-getvpn)

%GDOI-4-REJECT_GM_VERSION_REGISTER : Reject registration of GM [IP_address] (ver [hex]) in group [chars] as it cannot support these GETVPN features enabled: [chars]

Explanation Reject GM registration because it cannot support the GETVPN features enabled in the group.

Recommended Action Check GMs can support all GETVPN features enabled in KS. Also check output of 'show crypto gdoi feature' and 'debug crypto gdoi ks infra detail' (note: high volume of debugs). msgdef_ddts_component(ipsec-getvpn)

%GDOI-4-GM_RECOVERY_REGISTRATION : GM recovery re-registration for group [chars] will start in a randomly chosen period of [dec] sec

Explanation GM recovery feature detects dataplane error and will re-register to KS to refresh keys and policy

Recommended Action Informational message.

%GDOI-4-GM_RECOVERY_REGISTRATION_POSTPONED : Detects data error in group [chars] but the previous recovery/rekey has occurred within the last recovery-check interval. Postpone recovery registration to start in [dec] sec

Explanation GM recovery feature detects dataplane error and will re-register to KS to refresh keys and policy

Recommended Action Informational message.

%GDOI-4-GM_SA_TRACK_SET_EOT_ERROR : Group [chars] encountered error in setting EOT object ID [dec] to state [chars].

Explanation GM SA TRACK state change occur but fail to update EOT object ID accordingly

Recommended Action Informational message. Check to make sure the EOT object ID is configured properly

%GDOI-5-POLICY_CHANGE_ERROR_MULTIPLE_PORTS : Multiple ports detected for ACL [chars] which is not supported. WARNING: No TEK policy will be created.

Explanation Informs user that there is an error in the ACL with regards to the number of ports.

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.

%GDOI-6-COOP_KS_VER_TRANSIT : Coop KS [chars] protocol version transits from version 1.0.1 to 2.0.0

Explanation The KS is transitioning to a new version.

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.

%GDOI-4-COOP_KS_RBLY_FAILED : Coop KS [chars] in group [chars] session Reassembly failed in TransID [int]

Explanation The KS COOP had an error reassembling a packet from a peer KS

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.

%GDOI-4-COOP_KS_CHECKPT_MISMATCH : Coop KS [chars] in group [chars] received Checkpoint Mismatch message.

Explanation The KS COOP had received a checkpoint mismatch from a KS COOP peer

%GDOI-4-COOP_KS_CHECKPT_MISMATCH : Coop KS [chars] in group [chars] received Checkpoint Mismatch 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.

%GDOI-3-COOP_KS_CANNOT_FIND_PROFILE : Coop KS in group [chars] has a configured IKEv2 profile '[chars]' that doesn't exist. The COOP will not come up until this error is fixed.

Explanation The KS COOP configuration redundancy ikve2-profile specifies a profile that doesn't exist. The COOP will not come up.

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.

%GDOI-5-IPSEC_INITIATE_GM_REGISTER : IPSEC initiate GDOI group [chars] to register

Explanation IPSEC initiate a GM registration for the group

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.

%GDOI-3-IPSEC_INITIATE_GM_REGISTER_POSTPONE : IPSEC triggering registration for group [chars] too frequently. Postpone the registration to occur in [dec] msec.

Explanation GM detects IPSEC triggering registration for the group too frequently. GDOI will rate-limit and postpone the registration.

Recommended Action Contact the Group member's administrator.

%GDOI-3-IPSEC_INITIATE_GM_REGISTER_IGNORE : IPSEC triggering registration for group [chars] too frequently. Ignore the request as registration has already been scheduled to occur in [dec] msec.

Explanation GM detects IPSEC triggering registration for the group too frequently. GDOI will ignore the request as registration has already been scheduled.

Recommended Action Contact the Group member's administrator.

%GDOI-3-COOP_KS_TOO_MANY_GROUPS_SHARE_IKE_SA : The COOP KS has too many groups sharing the same IKE SA for the peer addresses local [chars] remote [chars]. Connectivity could be compromised. Please reduce to [dec].

Explanation There is a limit to the number of COOP KS groups that can share the. same IKE SA. This can lead to intermittent connectivity for the COOP KS in congested networks

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.

%GDOI-3-COOP_KS_SEND_WINDOW_LIMIT_REACHED : The COOP KS has reached its window limit for the peer addresses local [chars] remote [chars]. This is due to connectivity issues between the key servers in question.

Explanation The COOP KS running over IKEv2 has a limit to the number of pending messages that can be sent. This limit has been reached which is an indication that there is a connectivity issue between the key servers

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.

%GDOI-4-REJECT_GM_CKM_REGISTER : Reject registration of GM [IP_address] in group [chars] as it has CKM enabled but this secondaryKS has not sync up all KGS params yet

Explanation Reject GM registration because this is a secondaryKS and it has not received KGS seed and rekey-epoch from primaryKS yet

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.

%GDOI-4-COOP_KS_CKM_INCOMPATIBLE : Found incompatible COOP-KS that cannot support CKM in group [chars]. Please check 'show crypto gdoi feature ckm'and upgrade the incompatible KS immediately.

Explanation Found incompatible COOP-KS that cannot support CKM in the group. Network administrator should check 'show crypto gdoi feature ckm'and upgrade the incompatible KS immediately

%GDOI-4-COOP_KS_CKM_INCOMPATIBLE : Found incompatible COOP-KS that cannot support CKM in group [chars]. Please check 'show crypto gdoi feature ckm' and upgrade the incompatible KS immediately.

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.

%GDOI-5-GM_REGISTER_UPDATE_TBAR : Platform HA forwarding-plane comes online, group [chars] gm-identity [chars] fvrf [chars] ivrf [chars] re-register to refresh TBAR info.

Explanation HA forwarding-plane comes online, group %s gm-identity %s fvrf %s ivrf %s is re-registering to refresh TBAR info.

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.

%GDOI-3-GM_IPD3P_NO_IPV6_SUPPORT : GETVPN group-member does not support IP-D3P for IPv6.

Explanation GETVPN group-member does not support IP-D3P for IPv6.

Recommended Action Contact the Administrator(s) to correct the key server policy.

%GDOI-3-GM_IPD3P_NO_TRANSPORT_SUPPORT : GETVPN group-member does not support IPD3P transport mode

Explanation GETVPN group-member does not support IPD3P transport mode

Recommended Action Contact the Administrator(s) to correct the key server policy.

%GDOI-3-GM_IPD3P_AND_CMD_CANT_COEXIST : GETVPN group-member does not support coexistence of IPD3P and Cisco-metadata features

Explanation GETVPN group-member does not support the enabling of IPD3P and Cisco-metadata features (e.g TBAR-PST, SGT) at the time

Recommended Action Contact the Administrator(s) to correct the key server policy.

GENERIC_SUBBLOCK**%GENERIC_SUBBLOCK-2-LATE_REGISTER : Late registration of GSB type [chars], with id [dec]**

Explanation	An attempt to register a new generic subblock type was received after subblocks have already been allocated from the control structure with previously registered types
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.

%GENERIC_SUBBLOCK-2-BUILDXHR : Failed to build message for GSB: [chars]

Explanation	An attempt to build a message for distribution of generic subblock 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.

%GENERIC_SUBBLOCK-2-UNPACKXHR : Unpacked [dec] bytes and attempted to consume [dec] bytes for GSB: [chars]

Explanation	A discrepancy was detected between length of message expected versus length of message received
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.

%GENERIC_SUBBLOCK-2-GSBNOTISSUWARE : GSB [chars] is not ISSU aware. Cannot distribute it to ISSU-aware slots

Explanation	This GSB is expected to be ISSU aware but it is not. It cannot be distributed safely to ISSU-aware slots as it may not be correctly interpreted
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.

GEN_DB**%GEN_DB-3-NULL_TREE_NODE : Node is NULL [chars]**

Explanation	This message indicates that the tree node being examined is NULL
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-INVALID_RECORD_KEY : [chars]: invalid record key *

Explanation	This message indicates that the record key is invalid
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-NO_KEY_FUNC : [chars]: [chars][chars]

Explanation	This message indicates that key functions are missing from the database handle, or key function is a NULL Pointer
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-KEY_FUNC_DOESNT_EXIST : [chars]: Key function does not exist

Explanation	This message indicates that key function being considered does not exist in the database definition
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-INVALID_CLIENT_TYPE : [chars]: Invalid client type, got [dec] (must be between 0 and [dec])

Explanation	This message indicates that client type is outside the expected range
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-NULL_DB_HNDL : NULL Database Handle [chars]

Explanation	This message indicates the database handle was NULL
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-NULL_DB_HNDL_ELEMENT : [chars]: NULL Database Element [chars]

Explanation	This message indicates the database handle element was NULL
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-LIST_FAIL : [chars]:[chars]

Explanation	This message indicates that a list operations such as enqueue, dequeue failed
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-LIST_FAIL_FOR_RECORD : [chars]:[dec]:[chars]

Explanation	This message indicates that a list operations such as enqueue, dequeue failed
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-WAVL_FAIL : [chars]: [chars]

Explanation	This message indicates that a wavl tree operation failed
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-RECORD_DELETE_FAIL : [chars]:[chars]

Explanation	This message indicates that a record could not be deleted
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-PARSER_INIT_FAIL : [chars]:[dec]: Parser Could not be initialized

Explanation	This message indicates that the IOS Parser command could not be initialized
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%GEN_DB-3-UNKNOWN_PARSER_CMD : [chars]:[dec]: Unknown Parser Command

Explanation	This message indicates that the IOS Parser command was not recognized
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%GEN_DB-3-UNKNOWN_PARSER_CMD : [chars]:[dec]: Unknown Parser Command

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

GEN_PROXY

%GEN_PROXY-3-IPC_UNHANDLED : failure

Explanation An unknown message type: %d was received by the Generic Client Proxy.

Recommended Action LOG_STD_ACTION

%GEN_PROXY-3-REPLY_MSG : wrong version [dec]

Explanation An incorrect SBS message was received by the Generic Client Proxy.

Recommended Action LOG_STD_ACTION

%GEN_PROXY-3-STACK_ALLOC_FAILED : Stack allocation for reply failed reply_size [hex]

Explanation Stack space could not be allocated for reply.

Recommended Action LOG_STD_ACTION

%GEN_PROXY-3-GPM_ALLOC_FAILED : GPM allocation for reply failed pak_size [hex] reply_size [hex]

Explanation GPM could not be allocated for reply.

Recommended Action LOG_STD_ACTION

%GEN_PROXY-3-IPC_SEND_FAILED : IPC send reply failed [chars]

Explanation GEN proxy failed to send of reply to IPC msg.

Recommended Action LOG_STD_ACTION

GLBP**%GLBP-4-BADAUTH : Bad authentication received from [chars], group [dec]**

Explanation	Two routers participating in a Gateway Load Balancing Protocol group disagree on the valid authentication string.
Recommended Action	Use the glbp authentication interface command to repair the GLBP authentication discrepancy between the local system and the one whose IP address is reported.

%GLBP-3-MISCONFIG : Cannot add MAC address [enet] to interface [chars] - not supported

Explanation	A software or hardware 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.

%GLBP-6-STATECHANGE : [chars] Grp [int] state [chars] -> [chars]

Explanation	The GLBP gateway has changed state
Recommended Action	No action is required.

%GLBP-6-FWDSTATECHANGE : [chars] Grp [int] Fwd [int] state [chars] -> [chars]

Explanation	The GLBP forwarder has changed state
Recommended Action	No action is required.

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

Explanation	The IP address in a GLBP message received on the interface is the same as the router's own IP address. This may be because of misconfiguration, or because of a malfunctioning switch
Recommended Action	Check the configurations on all the GLBP routers, and make sure that any switches you have are functioning properly.

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

Explanation The GLBP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to a different GLBP group.

Recommended Action Check the configuration on all GLBP routers.

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

Explanation The GLBP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.

Recommended Action Check the configuration on all GLBP routers.

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

Explanation The GLBP 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.

Recommended Action Check the configuration on all GLBP routers.

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

Explanation The GLBP virtual IP address contained in the Hello message cannot be learnt as it is not within a subnet configured on the interface.

Recommended Action Check the configuration on all GLBP routers and ensure that the virtual IP address is within a configured subnet.

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

Explanation The GLBP virtual IP address contained in the Hello message from the Active router is different to that configured locally.

Recommended Action Check the configuration on all GLBP routers.

GRIP**%GRIP-3-BADPATHS : Invalid number of paths ([dec]) for %q**

Explanation An internal inconsistency was detected in the XNS routing table structure.

%GRIP-3-BADPATHS : Invalid number of paths ([dec]) for %q

Recommended Action Note the parameters associated with this message and call your technical support representative for assistance.

%GRIP-2-BADROUTE : Error [chars] route - null table

Explanation A hardware or software error occurred.

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

HA

%HA-6-TOOBIG : Running config too big, config sync failed

Explanation The running config was too big to be synced

Recommended Action No action is required.

%HA-6-SWITCHOVER : Route Processor switched from standby to being active

Explanation This RP switched to become the active RP

Recommended Action No action is required.

HAL_GENMEM

%HAL_GENMEM-3-HAL_MISMATCHED_GENMEM : VADDR:[int] LINE: [dec]

Explanation Mismatched genmem.

Recommended Action LOG_STD_ACTION

HAL_PACKET through HTSP

- [HAL_PACKET](#)
- [HA_EM](#)
- [HA_PROXY](#)

- HDLC
- HFSLIB
- HMAN
- HMAN_CPU
- HPI
- HSRP
- HTSP

HAL_PACKET

%HAL_PACKET-3-HAL_GATHER_ASYNC_WAIT_TIMEOUT : seqnum=[int] pak-type=[int]

Explanation Packet Hardware Transmit Error

Recommended Action LOG_STD_ACTION

HA_EM

%HA_EM-7-FMCMN_PTHREAD_MUTEX_LOCK : [chars]: Error locking mutex [chars]; [chars]

Explanation The pthread_mutex_lock function reported an error while attempting to lock the specified mutex.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMCMN_PTHREAD_MUTEX_UNLOCK : [chars]: Error unlocking mutex [chars]; [chars]

Explanation The pthread_mutex_unlock function reported an error while attempting to unlock the specified mutex.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFDCMN_DM_CREATE : [chars]: could not create dispatch manager: [chars]

Explanation The event detector has failed to create an dispatch manager.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFDCMN_EA_ATTACH : [chars]: could not register for asynchronous message events: [chars]

Explanation	The event detector has failed to attach an event handler for asynchronous messages.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFDCMN_INV_TM : [chars]: invalid timer: type=[dec], timer=[IPV6 address]

Explanation	Internal error. The timer value is invalid or not as expected.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFDCMN_INV_TM_TYPE : [chars]: invalid timer type: [dec]

Explanation	Internal error. The timer type is invalid or not supported.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFDCMN_MSGSEND_EVT : [chars]: error returned from event_send_pulse; [chars]

Explanation	The event detector has failed to send a pulse to itself to notify of a pending message send event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFDCMN_PUB_RBLD : [chars]: [chars]

Explanation	Internal error. The event detector has failed to rebuild the publish list from the checkpointed records.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFDCMN_XDM_DISPATCH_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]

Explanation	XOS Dispatch Manager reports an error when dispatching an event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFCMN_XDM_WAIT_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]

Explanation	XOS Dispatch Manager reports an error when waiting for an event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_ADD_PARSER : [chars]: Unable to add [chars] event detector command;

Explanation	The Event detector failed to add command.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_CHKPT_INIT : [chars]: [chars]

Explanation	Internal error. The event detector has failed to initialize with the checkpointing server.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_CHKPT_TBL_ADD : [chars]: [chars]

Explanation	Internal error. The event detector has failed to add a record to the checkpointing table.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_CHKPT_TBL_INIT : [chars]: [chars]

Explanation	Internal error. The event detector has failed to initialize a table with the checkpointing server.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_CHKPT_TBL_ITERATE : [chars]: [chars]

Explanation	Internal error. The event detector has failed to iterate the checkpointing table.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_CHKPT_TBL_REMOVE : [chars]: [chars]

Explanation Internal error. The event detector has failed to remove a record from the checkpointing table.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_COND_WAIT : [chars]: conditional wait error: [chars]

Explanation Internal error. The event detector has failed to do pthread conditional wait.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_CONNECTION_FAIL : Could not connect to [chars] : [chars]

Explanation Could not connect to event detector on the remote node. Node may be invalid or not available or the process may not be available to accept the connection.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_DE_FETCH : [chars]: [chars][[dec]]

Explanation Internal error. The event detector has failed to fetch a data element from the statistics data engine.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_DE_INIT : [chars]: [chars]

Explanation Internal error. The event detector has failed to initialize the statistics data engine.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_DM_CREATE : [chars]: could not create dispatch manager: [chars]

Explanation The event detector has failed to create an dispatch manager.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_EA_ATTACH : [chars]: could not register for asynchronous message events: [chars]

Explanation	The event detector has failed to attach an event handler for asynchronous messages.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMFD_EMPTY_QUEUE : [chars]: The [chars] event detector I/O queue empty.

Explanation	The I/O queue is empty at this point, and should not be.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_ENQUEUE_FAIL : [chars]: Unable to enqueue [chars];

Explanation	The enqueue function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_EV_BLOCK : [chars]: [chars]

Explanation	The event_block function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_EVM_CREATE : Could not create event manager: [chars]

Explanation	The event detector has failed to create an Event Manager.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_HIST_QERR : [chars]

Explanation	Internal error. The event detector has failed to get a free history listentry.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_HIST_RBLD : [chars]: [chars]

Explanation	Internal error. The event detector has failed to rebuild the history list from the checkpointed records.
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%HA_EM-7-FMFD_HIST_RBLD : [chars]: [chars]

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_INV_COMPARE_OP : [chars]: invalid comparison operator: [dec]

Explanation Internal error. The value comparison operator is invalid or not supported.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_INV_STATS_TYPE : [chars]: invalid statistics value type: [dec]

Explanation Internal error. The statistics data type is invalid or not supported.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_INV_TM : [chars]: invalid timer: type=[dec], timer=[IPV6 address]

Explanation Internal error. The timer value is invalid or not as expected.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_INV_TM_TYPE : [chars]: invalid timer type: [dec]

Explanation Internal error. The timer type is invalid or not supported.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_LOCAL_NODEID : Could not get local nodeid: [chars]

Explanation Could not get local node identifier.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_MALLOC : [chars]: Unable to allocate [chars]; [chars]

Explanation The malloc function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_MET_ENQUEUE : [chars]: could not enqueue metric data: [chars]

Explanation Internal error. The system manager event detector has failed to add a metric data entry to the list.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_MET_RBLD : [chars]: [chars]

Explanation Internal error. The event detector has failed to rebuild the metriclist from the checkpointed records.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_MISC_ERR : [chars]: [chars]

Explanation An unexpected error occurred.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_MSGSEND_EVT : [chars]: error returned from event_send_pulse; [chars]

Explanation The event detector has failed to send a pulse to itself to notify of a pending message send event.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_MSGSEND_RETRY_ERR : [chars]: [dec]

Explanation The event detector has exceeded its maximum number of retries to send a pulse to the embedded event manager to notify of an event publish.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_NO_CLOCK : [chars]: unable to read clock using clock_gettime: [chars]

Explanation The clock_gettime function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_NO_MEM : [chars]: not enough memory: [chars]

Explanation	Allocating memory failed due to a low-memory condition.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_OE_CREATE : [chars]: could not create an occurrence entry

Explanation	Internal error. The event detector has failed to create an entry for thematched occurrence list.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_OE_REMOVE : [chars]: could not remove an occurrence entry

Explanation	Internal error. The event detector has failed to remove an entry for thematched occurrence list.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMFD_OID_UNAVAIL : [chars]: The following oid has become unavailable: [chars]

Explanation	The registered oid is no longer available in the system.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_OPEN_CONF : [chars]: could not open event detector config file: [chars]

Explanation	The event detector has failed to open the config file for event detector type information.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_PTHRD_CREATE : [chars]: could not create a Posix thread

Explanation	The pthread_create function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_PUB_RBLD : [chars]: [chars]

Explanation Internal error. The event detector has failed to rebuild the publish list from the checkpointed records.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_PUB_TM_ALLOC : [chars]: Unable to allocate memory for event publish timer block

Explanation Internal error. The event detector has failed to allocate memoryfor the event publish timer block.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMFD_QUEUE_INIT : [chars]: Unable to initialize queue;

Explanation The queue initialization function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_RESOURCE_MONITOR_REGISTER_FAIL : [chars]: resource_monitor_register failed; return code = [dec]

Explanation The resource_monitor_register function reported an error trying toregister for RMI notifications.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_RM_ATTACH : [chars]: could not attach resource manager funtions to event manager: [chars]

Explanation The event detector has failed to attach a Resource Manager to an Event Manager.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SM_PROC_EXIT : [chars]: [chars]

Explanation The system manager failed to execute the default action of the terminated process.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_ADDR_ILLEGAL : [chars]: Illegal SNMP address type

Explanation	The SNMP address is illegal.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_ADDR_IPV6 : [chars]: SNMP IPV6 address is not supported

Explanation	The IPV6 address is not supported.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_BUILD_PDU_FAILED : [chars]: SNMP build pdu failed

Explanation	The SNMP pdu build has failed.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_COMM_FAIL : [chars]: Unable to create SNMP octet community string; string = [chars]

Explanation	The community string was not able to build into a SNMP octet string
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_COMMUNICATE_FAIL : [chars]: [chars] [chars]

Explanation	Unable to communicate with SNMPD process
Recommended Action	Check whether SNMP is configured on this Router.

%HA_EM-7-FMFD_SNMP_ERRCODE : [chars]: [chars]

Explanation	The SNMP error code.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_MAKE_PDU_FAILED : [chars]: SNMP make pdu failed

Explanation	The SNMP pdu make has failed.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMFD_SNMP_MIB_OBJ_REP_FAIL : [chars]: SNMP MIB object info replace failed [dec]

Explanation	The SNMP MIB object info replace function has failed.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_MSG_FAIL : [chars]: Unable to create a SNMP message; community = [chars]

Explanation	The SNMP message failed to be created
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMFD_SNMP_NO_OBJECT_VALUE : [chars]: SNMP MIB object value not provided

Explanation	The SNMP MIB object value is not provided for substitution.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMFD_SNMP_OBJECT_UNKNOWN_RESPONSE_CODE : [chars]: Unknown SNMP object response code [dec]

Explanation	The SNMP MIB object response code is unknown.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_OID_INVALID : [chars]: Invalid SNMP oid length [dec]

Explanation	The SNMP oid has invalid length
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_OID_MAKE_FAIL : [chars]: Unable to build an oid string into a SNMP oid; oid = [chars]

Explanation The oid string was not able to build into a SNMP oid

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_REQ_FAILED : [chars]: SNMP request failed

Explanation The SNMP request has failed.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_RESP_CANCEL : [chars]: SNMP response cancelled

Explanation The SNMP response has been cancelled.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_RESP_ERROR : [chars]: SNMP response error; error_status = [dec]

Explanation The SNMP response has error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_RESP_Q_EMPTY : [chars]: SNMP proxy exec got event, but queue is empty

Explanation The SNMP proxy got event but the queue is empty.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_RESP_TIMEOUT : [chars]: SNMP response has timed out

Explanation The SNMP response has timed out.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_UNKNOWN_TYPE : [chars]: Unknown SNMP operation or response type [dec]

Explanation The operation or response type is unknown.

%HA_EM-7-FMFD_SNMP_UNKNOWN_TYPE : [chars]: Unknown SNMP operation or response type [dec]

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SNMP_VARBIND_FAIL : [chars]: Unable to create a SNMP varbind

Explanation The oid failed to make into a SNMP varbind

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_STATS_VAL_GET_ERR : [chars]: [chars]

Explanation Internal error. The event detector has failed retrieving a valid statistics value.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SYSDB_BIND : [chars]: [chars]

Explanation Failed to bind to SysDB.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SYSDB_GET : [chars]: [chars]

Explanation Failed to retrieve an item from SysDB.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_SYSDB_REG_NOTIFY : [chars]: [chars]

Explanation Failed to register for notification of a set of items in SysDB.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_TM_CRTICK_INIT : [chars]: [chars]

Explanation Internal error. The initialization of the cron-tick function has failed.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_TM_LEAF_NEW : [chars]: could not create a leaf timer

Explanation	Internal error. The event detector has failed to create a managedleaf timer.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMFD_TTY_NUM : [chars]: Error occurred while fetching TTY number.

Explanation	The Embedded Event Manager failed to fetch a TTY number.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_XDM_DISPATCH_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]

Explanation	XOS Dispatch Manager reports an error when dispatching an event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMFD_XDM_WAIT_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]

Explanation	XOS Dispatch Manager reports an error when waiting for an event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_APPL_CBH_PULSE : [chars]: Unable to locate application publish callback entry for pulse code [dec]

Explanation	The application publish callback handler was unable to validate the pulse code received.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_APPL_CBH_SEND : [chars]: Unable to send response for FH_MSG_CALLBACK_DONE [chars]

Explanation	The registration callback handler was unable to send the FH_MSG_CALLBACK_DONE message to the Embedded Event Manager Server.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_CB_CLOSE : [chars]: fh_close failed [chars]

Explanation The fh_close function reported an error trying to initialize the internal callback connection.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_CB_EV_CREATE : [chars]: event_manager_create failed [chars]

Explanation The event_manager_create function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMC_CBH_PROCESS_CREATE : [chars]: callback handler process create failed for eid: [dec]

Explanation The process_create function reported an error trying to create the callback handler process.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_CB_INIT : [chars]:[dec] (thread:[dec]) fh_init failed [chars]

Explanation The fh_init function reported an error trying to initialize the internal callback connection.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_CBS_PT_CREATE : [chars]: pthread_create failed [chars]

Explanation The pthread_create function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_ENQUEUE_FAIL : [chars]: Unable to enqueue [chars];

Explanation The enqueue function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMC_FH_INIT : [chars]: fh_init failed : [dec]

Explanation	The fh_init function reported an error trying to initialize EEM fora callback process.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_INV_REPLY : [chars]: Application client library unable to handle message receive.

Explanation	The API received a msg reply when it was not in a state to acceptsuch messages.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_MALLOC : [chars]: Unable to allocate [chars];

Explanation	The malloc function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_REG_CBH_PULSE : [chars]: Unable to locate reg callback entry for pulse code [dec]

Explanation	The registration callback handler was unable to validate the pulse codereceived.
Recommended Action	The pthread_create function reported an error.

%HA_EM-7-FMC_REG_CBH_SEND : [chars]: Unable to send response for FH_MSG_CALLBACK_DONE [chars] [dec]

Explanation	The registration callback handler was unable to send theFH_MSG_CALLBACK_DONE message to the Embedded Event Manager Server.
Recommended Action	The pthread_create function reported an error.

%HA_EM-7-FMC_XDM_DISPATCH_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]

Explanation	XOS Dispatch Manager reports an error when dispatching an event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMC_XDM_WAIT_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]

Explanation	XOS Dispatch Manager reports an error when waiting for an event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_ACTION : [chars]: Error occurred while performing action: [chars].

Explanation	The Embedded Event Manager Policy Director failed to perform an action for the registered event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_ACTION_INFO : [chars]: Error occurred while fetching action information: [dec].

Explanation	The Embedded Event Manager Policy Director failed to gather action information registered for the event.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_ACTION_NOTRACK : [chars]: unable to set state for tracking object number [int]; object does not exist or is not a stub-object.

Explanation	The Embedded Event Manager applet attempted to set the state of a tracking object that does not exist.
Recommended Action	Only set the state of tracking objects that have already been configured in the system. If the message continues to occur, copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_CHECKSUM_MISMATCH : [chars]: file checksum mismatch

Explanation	The checksum value of an installed policy does not match the value provided by the installation manager.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_CHKPT_INIT : [chars]: could not register the application with the checkpointing server: [chars]

Explanation	Failed to register an application with the checkpointing server.
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%HA_EM-3-FMPD_CHKPT_INIT : [chars]: could not register the application with the checkpointing server: [chars]

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_CHKPT_ITERATE_END : [chars]: call to chkpt_iterate_end returned unexpected failure.

Explanation Failed to register an application with the checkpointing server.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_CHKPT_NULL_PTR : [chars]: Got a null [chars] but non-null value was expected

Explanation Failed to do further processing because we got a null data when a non-null value was expected.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_CHKPT_TBL_ADD : [chars]: could not save a record into a checkpointing table: [chars]

Explanation Failed to save a record into the given checkpointing table.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_CHKPT_TBL_INFO_READ : [chars]: could not read the existing table information: [chars]

Explanation Failed to read the existing table information using checkpointing API.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_CHKPT_TBL_INIT : [chars]: failed to initialize [chars]: [chars]

Explanation Could not initialize a table with the checkpointing server.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_CHKPT_TBL_RECOVER : [chars]: could not recover the checkpointed [chars]: [chars]

Explanation Failed to recover a checkpointed table.

%HA_EM-3-FMPD_CHKPT_TBL_RECOVER : [chars]: could not recover the checkpointed [chars]: [chars]

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_CHKPT_TBL_REMOVE : [chars]: could not delete a record from a checkpointing table: [chars]

Explanation Failed to delete a record from the given checkpointing table.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_CHKPT_TBL_RESET : [chars]: could not reset a record in a checkpointing table: [chars]

Explanation Failed to reset a record in the given checkpointing table.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_CLI_CONNECT : Unable to establish CLI session: [chars]

Explanation Unable to establish CLI session.

Recommended Action

%HA_EM-3-FMPD_CLI_DISCONNECT : Error disconnecting from CLI session: [chars]

Explanation An error occurred while disconnecting from the CLI session.

Recommended Action

%HA_EM-3-FMPD_CLI_NOTTY : Error attempting to access an unopened CLI session: [chars]

Explanation An error occurred attempting to access an unopened CLI session: %s

Recommended Action

%HA_EM-3-FMPD_CLI_READ : Unable to read CLI response: [chars]

Explanation Unable to read CLI response.

%HA_EM-3-FMPD_CLI_READ : Unable to read CLI response: [chars]

**Recommended
Action**

%HA_EM-3-FMPD_CLI_WRITE : Unable to send CLI command: [chars]

Explanation Unable to send CLI command.

**Recommended
Action**

%HA_EM-6-FMPD_CONTEXT_RETRIEVE : Failed to retrieve context for key [chars]: [chars]

Explanation Failed to context retrieve variable information for event.

**Recommended
Action** Ensure context information with the given key is saved. If the message continues to occur, copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMPD_CONTEXT_SAVE : Failed to save variable context for key [chars]: [chars]

Explanation Failed to context save variable information for event.

**Recommended
Action** Ensure context information with the same key is not already saved. If the message continues to occur, copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_DIRECTORY_NOT_EXIST : User policy directory [chars] could not be found on [chars]

Explanation A policy directory could not be found. Cold start on this location may result in startup configuration failure.

**Recommended
Action** Create the directory on this location.

%HA_EM-6-FMPD_DIVIDE_ZERO : Invalid operand in arithmetic division, cannot divide by zero

Explanation Arithmetic division does not allow divide by zero.

**Recommended
Action** Ensure denominator provided to division action is non-zero.

%HA_EM-4-FMPD_DSIG_TYPE_CHANGE : Cisco Signature not found or invalid. [chars] has been registered as a user policy.

Explanation Cisco Signature not found or invalid.

Recommended Action Sign with Cisco signature.

%HA_EM-6-FMPD_EEM_CONFIG : [chars]: [chars]

Explanation The Embedded Event Manager reports an error on Event Manager configuration

Recommended Action Check the EEM applet or policy configuration

%HA_EM-6-FMPD_EEM_LOG_MSG : [chars]

Explanation The Embedded Event Manager reports errors when registering a TCL policy.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_ERROR : Error executing applet [chars] statement [chars]

Explanation The Embedded Event Manager policy director found an error when processing an applet.

Recommended Action Check syntax of applet statement. If the message continues to occur, copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_EVENT_CREATE : [chars]: failed to create an event: [chars]

Explanation Failed to create an Embedded Event Manager event.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_EVENT_REG : [chars]: failed to register an event: [chars]

Explanation Failed to register an Embedded Event Manager event.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_EVENT_TYPE : [chars]: unknown event type [dec]

Explanation	An unknown Embedded Event Manager even type was detected.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_EVM_CREATE : [chars]: could not create event manager: [chars]

Explanation	An internal error was detected when creating Event Manager.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_EVM_EVENT_BLOCK : [chars]: failed to block waiting for Event Manager events: [chars]

Explanation	An internal error was detected when block waiting for Event Manager events.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_EXECUTE_CALLBACK : [chars]: failed to execute callback

Explanation	Failed to execute callback routine.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_FH_INIT : [chars]: could not initialize Embedded Event Manager service: [chars]

Explanation	An internal error was detected when initializing Embedded Event Managerservice.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_FILE_CLOSE : [chars]: failed to close fd [chars] : [chars]

Explanation	Failed to close the given file descriptor due to some internal error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_FILE_DELETE : [chars]: failed to delete file: [chars] : [chars]

Explanation	Failed to delete the given file.
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%HA_EM-7-FMPD_FILE_DELETE : [chars]: failed to delete file: [chars] : [chars]

Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.
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%HA_EM-7-FMPD_FILE_OPEN : [chars]: failed to open file [chars] : [chars]

Explanation	Failed to open the given file due to some internal error.
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Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.
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%HA_EM-7-FMPD_FILE_READ : [chars]: failed to read from fd [chars] : [chars]

Explanation	Failed to read from the given file descriptor due to some internal error.
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Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.
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%HA_EM-7-FMPD_FILE_WRITE : [chars]: failed to write to fd [chars] : [chars]

Explanation	Failed to write to the given file descriptor due to some internal error.
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Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.
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%HA_EM-7-FMPD_FORMAT_TIME : [chars]: error attempting to format time string

Explanation	Format time failure.
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Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.
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%HA_EM-3-FMPD_GET_Prio : [chars]: failed to get process priority: [chars]

Explanation	Internal error. A call to get process scheduling priority failed.
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Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.
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%HA_EM-4-FMPD_IPC_GET_PAK : [chars]: failed to allocate an IPC buffer

Explanation	Embedded Event Manager failed to allocate a buffer from IPC.
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Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.
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%HA_EM-3-FMPD_IPC_PORT_CREATE : [chars]: failed to create an IPC port: [chars]

Explanation	Embedded Event Manager failed to create an IPC port.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_IPC_PORT_OPEN : [chars]: failed to open an IPC port: [chars]

Explanation	Embedded Event Manager failed to open an IPC port.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_IPC_PORT_REGISTER : [chars]: failed to register an IPC port: [chars]

Explanation	Embedded Event Manager failed to register an IPC port.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_IPC_SEND_MSG : [chars]: failed to send an IPC message: [chars]

Explanation	Embedded Event Manager failed to send a message through IPC.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_LAST_POLICY : [chars]: invalid last policy name replied [chars]

Explanation	Internal error. The last policy name the script director replied to show fm policy registered command is an invalid policy name.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_MEM_ALLOC : Not enough memory ([dec] bytes)

Explanation	Allocating memory failed due to a low-memory condition.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_NO_ACTION : No action configured for applet [chars]

Explanation	No action has been configured for this applet.
Recommended Action	Configure at least one action for this applet.

%HA_EM-7-FMPD_NO_CLOCK : [chars]: unable to read clock using clock_gettime: [chars]

Explanation	The clock_gettime function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_NOEID : [chars]: No such event id found.

Explanation	An internal software error occurred.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_NOESID : [chars]: No such event spec id found.

Explanation	The Embedded Event Manager Policy Director could not find the eventfor the event spec. ID.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_NO_EVENT : No event configured for applet [chars]

Explanation	No event has been configured for this applet.
Recommended Action	Configure an event for this applet.

%HA_EM-7-FMPD_NO_MEM : [chars]: not enough memory: [chars]

Explanation	Allocating memory failed due to a low-memory condition.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_NO_PROC : [chars]: Failed to create process

Explanation	The process create function reports an error
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%HA_EM-3-FMPD_NO_PROC : [chars]: Failed to create process

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_NOTAGNAME : [chars]: No tag [chars] found corresponding to this event publish.

Explanation The Embedded Event Manager policy director could not associate the tagname with a published event.

Recommended Action Only use tagnames in the action info type event reqinfo command which correspond to the published event.

%HA_EM-6-FMPD_OPERAND_INVALID : Invalid operand in action, expected value within range %ld to %ld, received: [chars]

Explanation Arithmetic actions only accept valid long integer values.

Recommended Action Ensure value provided to action is long integer.

%HA_EM-3-FMPD_OVL_NOTIF_REG : [chars]: could not register for Version Manager notification: [chars]

Explanation An internal error was detected when registering for Version Manager notification.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_OVL_SETUP_ENV : [chars]: [chars]

Explanation Updating environment variables of the process according to system variables stored in sysdb failed.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_POLICY_APPLY : Could not apply policy '[chars]': [chars]

Explanation A policy could not be applied. This message signaled an unsuccessful apply of the policy.

Recommended Action Remove the configuration for the policy (and commit), and then attempt to configure the registration of the same policy.

%HA_EM-6-FMPD_POLICY_CHANGED : [chars]: registered policy [chars] changed by the last installation update

Explanation	A registered policy was changed by the last installation update. If the update used the start option, the old policy was automatically unregistered and the new policy registered. Otherwise, the old policy would remain registered and functional until the user unregisters it manually.
Recommended Action	None.

%HA_EM-4-FMPD_POLICY_CONFIG_INCONSISTENT : Policy '[chars]': [chars]

Explanation	Some policy configuration is potentially inconsistent, and the user should follow the guidelines in the message to amend this.
Recommended Action	Examine the guidelines in the message, and the event manager configuration, to determine the potential problem. Note that this is just a warning message, not an error message, as the configuration is legal - it may be the case that the user has intentionally set this configuration.

%HA_EM-6-FMPD_POLICY_DELETED : [chars]: registered policy [chars] deleted by the last installation update

Explanation	A registered policy was deleted by the last installation update. If the update used the start option, the policy was automatically unregistered. Otherwise, the policy would remain registered and functional until the user unregisters it manually.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_POLICY_HASH : [chars]: The hash computation routine reported an error; [chars]

Explanation	The policy dir checksum function reported the specified error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_POLICY_NOT_EXIST : Policy file [chars] could not be found on [chars]

Explanation	A policy file could not be found. Cold start on this location may result in startup
Recommended Action	Copy the policy file to this location.

%HA_EM-6-FMPD_POLICY_REG_SUCC : [chars]: Policy '[chars]' registered successfully, by user [chars], with persist time [dec] and type [dec]

Explanation A new policy has been registered with Embedded Event Manager. This message signaled a successful registration.

Recommended Action None.

%HA_EM-7-FMPD_POLICY_TBL_REMOVE : [chars]: could not delete a record from a checkpointing table: [chars]

Explanation Failed to delete a record from the given checkpointing table.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMPD_POLICY_TUPLE_UNPACK : Failed to unpack_tuple to get username (Err: [dec]) for [chars]

Explanation Failed to unpack sysdb tuple to get the username for the scripts.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_POLICY_UNREG_ERR : [chars]: could not unregister policy [chars]: [chars]

Explanation A registered policy changed or deleted by the last installation update was detected. Since the update used the start option, the old policy was automatically unregistered. This message signaled an unsuccessful unregistration.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_POLICY_UNREGREG_ERR : [chars]: could not replace policy [chars]: [chars]

Explanation A registered policy changed by the last installation update was detected. Since the update used the start option, the old policy was automatically replaced by the new policy. This message signaled an unsuccessful replacement of the policy.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMPD_POLICY_UNREGREG_SUCC : [chars]: policy [chars] replaced successfully

Explanation A registered policy changed by the last installation update was detected. Since the update used the start option, the old policy was automatically replaced by the new policy. This message signaled a successful replacement of the policy.

%HA_EM-6-FMPD_POLICY_UNREGREG_SUCC : [chars]: policy [chars] replaced successfully

Recommended Action None.

%HA_EM-6-FMPD_POLICY_UNREG_SUCC : [chars]: policy [chars] unregistered successfully

Explanation A registered policy changed or deleted by the last installation update was detected. Since the update used the start option, the old policy was automatically unregistered. This message signaled a successful unregistration.

Recommended Action None.

%HA_EM-3-FMPD_PROCESS_XML : [chars]: error processing xml buffer

Explanation An error occurred processing the event publish information xml buffer.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_QUEUE_INIT : [chars]: could not initialize queue

Explanation An internal error was detected when initializing Embedded Event Managerqueue.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_REFRESHTIMER_INIT : Failed to initialize a refresh timer ([chars]): [chars]

Explanation Failed to initialize a Embedded Event Manager refresh timer.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMPD_REGCOMP : Error compiling regular expression: [chars]

Explanation An error was encountered when compiling the given regular expression.

Recommended Action Check syntax of regular expression pattern. If the message continues to occur, copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_REQINFO : [chars]: Error attempting to fetch event information: [chars].

Explanation The Embedded Event Manager Policy Director failed to receive event infofor a callback.

%HA_EM-3-FMPD_REQINFO : [chars]: Error attempting to fetch event information: [chars].

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_SET_INFO : [chars]: Error occurred while fetching variable information: [dec].

Explanation The Embedded Event Manager Policy Director was unable to set the variable with the requested information.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_SHM_OPEN : [chars]: ERROR opening shared mem IDB

Explanation An internal error was detected when attempting to open the IDB shared memory area

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_SMTP : Error occurred when sending mail to SMTP server: [chars] : [chars]

Explanation An unexpected error occurred when sending mail to SMTP server.

Recommended Action

%HA_EM-3-FMPD_SMTP_SEND : Unable to send notification using all SMTP servers

Explanation An unexpected error occurred when sending mail to all SMTP servers.

Recommended Action

%HA_EM-6-FMPD_SNMP_DUP_OID : [chars]: duplicate oid

Explanation The oid is a duplicate

Recommended Action Check the EEM applet or policy configuration

%HA_EM-6-FMPD_SNMP_NO_VAR : [chars]: No variable [chars]

Explanation The variable is not defined.

%HA_EM-6-FMPD_SNMP_NO_VAR : [chars]: No variable [chars]

Recommended Action Check the EEM applet or policy configuration

%HA_EM-6-FMPD_SNMP_TRAPVAR_ADD : [chars]: Error adding trapvar to queue [chars]

Explanation The trap variable was not added to the queue.

Recommended Action Check the EEM applet or policy configuration

%HA_EM-6-FMPD_SNMP_VARS_EXCEEDED : [chars]: number of values exceeded [dec]

Explanation The number of values per variable exceeded the maximum

Recommended Action Check the EEM applet or policy configuration

%HA_EM-7-FMPD_SWITCH_FAIL : [chars]: The system is unable to switch to standby processor. Switchover cancelled.

Explanation Switchovers must occur when STANDBY is available and ready.

Recommended Action None Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMPD_SWITCH_HARDWARE : [chars]: Policy has requested a hardware switchover

Explanation An Embedded Event Manager policy requested that a hardware switchover occur.

Recommended Action None

%HA_EM-7-FMPD_SYSDB_VERIFY_REG : Could not register for SysDB verification: [chars]

Explanation An internal error was detected when trying to register verify function and/or apply function for SysDB tuple operations upon the given item within the given namespace.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_THREAD_POOL : [chars]: [chars]

Explanation An internal error was detected while initialization of threadpool.

%HA_EM-3-FMPD_THREAD_POOL : [chars]: [chars]

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_UNKNOWN_ENV : [chars]: could not find environment variable: [chars]

Explanation The Embedded Event Manager policy director could not find the environmentvariable specified in the action message.

Recommended Action Only use well known Embedded Event Manager environment variables. If the message continues to occur, copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMPD_UNKNOWNTYPE : [chars]: Unknown event type found in applet.

Explanation The Embedded Event Manager applet had an unknown event type.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMPD_UPDATE_POLICY_COPY : Policy update has copied [dec] bytes from [chars] to [chars]

Explanation An EEM policy has been copied as a result of an event manager update command

Recommended Action

%HA_EM-6-FMPD_UPDATE_POLICY_REGISTER : Policy update has successfully re-registered policy [chars]

Explanation An EEM policy has been successfully re-registered as a result of an event manager update command

Recommended Action

%HA_EM-6-FMPD_UPDATE_POLICY_REGISTER_FAIL : Policy update has failed to register policy [chars] [chars]

Explanation An EEM policy has failed to be registered as a result of an event manager update command

Recommended Action

%HA_EM-6-FMPD_UPDATE_POLICY_UNREGISTER_FAIL : Policy update has failed to unregister policy [chars] [chars]

Explanation An EEM policy has failed to be unregistered as a result of an event manager update command

Recommended Action

%HA_EM-3-FMPD_WRONGTYPE : [chars]: Published event type does not match event spec.

Explanation The Embedded Event Manager Policy Director detected a mis-match in eventtype between the published event and the event spec.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_XDM_DISPATCH_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]

Explanation XOS Dispatch Manager reports an error when dispatching an event.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMPD_XDM_WAIT_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]

Explanation XOS Dispatch Manager reports an error when waiting for an event.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-ACTION_ADD_PARSER : [chars]: Unable to add action [chars] command;

Explanation Failed to add action command.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-ACTION_CNS_AGENT_UNAVAIL : [chars]: CNS Event Agent not available: [dec]

Explanation The CNS Event Agent is currently not available.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-ACTION_CNS_CLEAR_RESTART : [chars]: Unable to clear restart callback;

Explanation	The CNS Action process failed to clear restart callback.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-ACTION_CNS_OPEN_FAIL : [chars]: Unable to open connection to CNS Event Agent: [dec]

Explanation	The CNS Action process failed to open CNS handle to Event Agent.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-ACTION_CNS_SET_RESTART : [chars]: Unable to set restart callback;

Explanation	The CNS Action process failed to set the restart callback.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-ACTION_ENQUEUE_FAIL : [chars]: Unable to enqueue [chars];

Explanation	The enqueue function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-ACTION_WB_CREATE : [chars]: create_watched_boolean failed: [chars]

Explanation	The create_watched_boolean function reported an error trying to createthe watched boolean.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-ACTION_WB_DELETE : [chars]: delete_watched_boolean failed: [chars]

Explanation	The delete_watched_boolean function reported an error trying to delete the watched boolean.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_ASYNC_ATTACH_CHKPT : [chars]: Failed to attach to handle chkpt asynchronous events; [chars]

Explanation The event_pulse_attach_event function reported an error trying to attach the chkpt pulse handler.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_ASYNC_ATTACH_DEFAULT : [chars]: Failed to attach to handle default asynchronous events; [chars]

Explanation The event_pulse_attach_event function reported an error trying to attach the default pulse handler.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_INIT : [chars]: could not register the application with the checkpointing server; [chars]

Explanation Failed to register an application with the checkpointing server.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_ITERATE_END : [chars]: call to chkpt_iterate_end returned unexpected failure.

Explanation Unexpected error when iterating over a checkpointing table.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_NULL_PTR : [chars]: Got a null [chars] when non-null value was expected

Explanation Failed to do further processing because we got a null data when a non-null value was expected.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_TBL_ADD : [chars]: could not add to the checkpointed [chars]: [chars]

Explanation Failed to add a record to the checkpointed table.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_TBL_INFO_READ : [chars]: could not read the existing table information: [chars]

Explanation	Failed to read the existing table information using checkpointing API.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_TBL_INIT : [chars]: failed to initialize [chars]: [chars]

Explanation	Could not initialize a table with the checkpointing server.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_TBL_RECOVER : [chars]: could not recover for the checkpointed [chars]: [chars]

Explanation	Failed to recover a record from the checkpointed table.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_TBL_REMOVE : [chars]: could not remove from the checkpointed [chars]: [chars]

Explanation	Failed to remove a record from a checkpointed table.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_TBL_SAVE : [chars]: could not save to the checkpointed [chars]: [chars]

Explanation	Failed to save a record to a checkpointed table.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CHKPT_TBL_UNREG : [chars]: could not unregister the checkpointed table [chars]: [chars]

Explanation	Failed to unregister a checkpointed table.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMS_CNS_FAIL : [chars]: Failed to perform CNS action: [chars]

Explanation	The Embedded Event Manager failed attempting to send a CNS message.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_CREATE_THREAD_POOL : [chars]: Error reported by create_thread_pool function; [chars]

Explanation	The create_thread_pool function reported an error while attempting to create the thread pool.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMS_EMPTY_QUEUE : [chars]: The I/O queue empty.

Explanation	The I/O queue is empty at this point, and should not be.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMS_ENQUEUE_FAIL : [chars]: The Unable to enqueue packet onto queue.

Explanation	The queue is not in a state to handle enqueues.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_EVM_CREATE : [chars]: event_manager_create failed; [chars]

Explanation	The event_manager_create function reported an error trying to initialize the event manager.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_EVM_EVENT_BLOCK : An error occurred while waiting for an event: [chars]

Explanation	The event infrastructure will ignore this error and continue to wait for the next event. If this error is seen repeatedly, the process may not be able to function and will need to be restarted.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_FDC_ALLOCATE : [chars]: Failed to allocate Event Detector context control block; [chars]

Explanation The get_fd function reported an error trying to allocate a Event Detector context control block.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_FDC_OPEN : [chars]: Failed to open Event Detector context control block

Explanation The open_fd function reported an error trying to open a Event Detector context control block.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_GET_NODE_NAME : [chars]: platform_get_node_name failed; [chars]

Explanation The platform_get_node_name function reported an error trying to obtain the node name.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_GET_NODE_STATE : Failed to get the current nodes state: [chars]

Explanation The call to get the nodes current state failed.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_GET_PRIO : [chars]: Failed to get process priority; [chars]

Explanation The getprio function reported an error trying to obtain the default process priority.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_GUARD_WORD_VER : [chars]: [chars] guard word corrupted; [IPV6 address]

Explanation The guard word for the specified control block does not contain what is expected.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_INV_ARG_STRING : [chars]: Invalid argument string: [chars]

Explanation An invalid argument string was passed to the specified function.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_INV_ENV_STRING : [chars]: Invalid environment string: [chars]

Explanation An invalid environment string was passed to the specified function.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_KILL : [chars]: Unable to kill process [chars]; [chars]

Explanation The kill function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_KILL_RUN : [chars]: Unable to kill run process [dec] for [chars]; [chars]

Explanation The kill function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMS_LAST_POLICY : [chars]: Cannot change a class [chars] [chars] to priority LAST. LAST is for default policies only

Explanation Embedded Event Manager Scheduler Command can only change a default policy to priority LAST.

Recommended Action The command is applicable to default policies only.

%HA_EM-7-FMS_MALLOC : [chars]: Unable to allocate [chars]; [chars]

Explanation The malloc function reported an error.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_MISC_ERR : [chars] ([chars])

Explanation	An unexpected error occurred.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMS_MODIFY_LAST_POLICY : [chars]: Cannot modify a LAST policy to class [chars]. LAST policies are for class default only.

Explanation	Embedded Event Manager LAST policy is for default class only.
Recommended Action	The command is applicable to default policies only.

%HA_EM-6-FMS_MODIFY_POLICY : [chars]: unable to modify the policy to class [chars]: scheduling rule unavailable.

Explanation	There is no scheduler rule configured to service this event class.
Recommended Action	Please configure a scheduler rule before modifying the event.

%HA_EM-7-FMS_NO_CLOCK : [chars]: unable to read clock using clock_gettime: [chars]

Explanation	The clock_gettime function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-4-FMS_NO_SCHED_THREAD : No threads are configured to service event class [chars]

Explanation	The Embedded Event Manager has no scheduler threads to service this event class.
Recommended Action	Track ED is not available in this image Configure threads for the event class using the 'event manager scheduler' command.

%HA_EM-3-FMS_NO_TRACK : keyword in the correlate statement is not supported in this image.

Explanation	The Embedded Event Manager Track ED is not supported in this image.
Recommended Action	Track ED is not available in this image

%HA_EM-7-FMS_NULL_SCRIPT_NAME : [chars]: The script name is NULL

Explanation	An invalid script name was passed as an argument into the specified function.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMS_OPEN : [chars]: Unable to open [chars]; [chars]

Explanation	The open function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_OVL_NOTIFY_REG : [chars]: ovl_notification_register failed when registering to handle OVL notifications; [chars]

Explanation	The ovl_register_notification function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_OVL_SETUP_ENV : [chars]: [chars]

Explanation	Updating environment variables of the process according to system variables stored in sysdb failed.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMS_POLICY_CHECKSUM : [chars]: Checksum error for policy [chars] - this policy will not be run

Explanation	The checksum computed for the specified policy does not match the original checksum computed when the policy was registered.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_POLICY_EXEC : [chars]: Policy execution [chars]

Explanation	The Embedded Event Manager policy execution state has been changed to the state named in the message.
Recommended Action	

%HA_EM-3-FMS_POLICY_HASH : [chars]: The hash computation routine reported an error; [chars]

Explanation	The fh_hash_md5_fd() function reported the specified error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-3-FMS_POLICY_LOOKUP_FAIL : [chars]: Failed to look up in the table the registration specification for policy [chars].

Explanation	A table lookup for the registration specification for the policy failed.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_POLICY_MAX_ENTRIES : [chars]: Class [chars]: Maximum number of [dec] [chars] publish entries exceeded; some events have been discarded

Explanation	An attempt to publish an event failed because there is no more room in the publish queue
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative

%HA_EM-6-FMS_POLICY_TIMEOUT : Policy '[chars]' has hit its maximum execution time of [dec].%9.9ld seconds, and so has been halted

Explanation	The policy has exceeded its maximum execution time, and so has been halted part way through execution.If this policy is expected to take a long time to run, it may need to have 'maxrun_sec' added to the policy registration line (or its value increased if it is already specified).
Recommended Action	*NONE*

%HA_EM-3-FMS_QUEUE_INIT : [chars]: The Unable to initialize queue.

Explanation	The queue cannot be initialized.An attempt to publish an event failed because there is no more room in the publish queue.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_REALLOC_FAIL : [chars]: Unable to reallocate [chars]; [chars]

Explanation	The realloc function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_REG_NODE_STATE_CHANGE : Failed to register for node state changes: [chars]

Explanation	The call to register for node state changes failed.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMS_RELOAD_SYSTEM : [chars]: Policy has requested a system reload;

Explanation	An Embedded Event Manager policy requested that the system be reloaded.
Recommended Action	

%HA_EM-6-FMS_RUNNING_POLICY : [chars]: cannot [chars] a running policy with jobid [dec].

Explanation	Embedded Event Manager Scheduler Command cannot change a running policy.
Recommended Action	The command is not applicable to a running policy.

%HA_EM-7-FMS_SPAWN : [chars]: Unable to spawn [chars]; [chars]

Explanation	The spawn function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_STRDUP : [chars]: Failed to duplicate string [chars]; [chars]

Explanation	The strdup function reported an error.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_SWITCH_FAIL : [chars]: The system is unable to switch to standby processor. Switchover cancelled.

Explanation	Switchovers must occur when STANDBY is available and ready.
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%HA_EM-7-FMS_SWITCH_FAIL : [chars]: The system is unable to switch to standby processor. Switchover cancelled.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-6-FMS_SWITCH_HARDWARE : [chars]: Policy has requested a hardware switchover

Explanation An Embedded Event Manager policy requested that a hardware switchover occur.

Recommended Action

%HA_EM-3-FMS_SWITCH_NOT_RF_ACTIVE : [chars]: This processor is not in ACTIVE state (state = [dec]). Switchover must be performed on ACTIVE processor.

Explanation Switchovers must occur on ACTIVE unit, not STANDBY unit.

Recommended Action

%HA_EM-7-FMS_SYSLOG_SCAN_RESIGN : [chars]: Failed to unload Syslog FD DLL [chars]; return code=[dec]

Explanation The syslog_scan_resign function reported an error trying to unload the specified Syslog Event Detector DLL library.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_SYSLOG_SCAN_SIGNUP : [chars]: Failed to load Syslog FD DLL [chars]; return code=[dec]

Explanation The syslog_scan_signup function reported an error trying to load the specified Syslog Event Detector DLL library.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_SYSMGR_RELOAD_FM : [chars]: Failed to load Sysmgr FD DLL [chars]; return code=[dec]

Explanation The sysmgr_reload_fh_detector function reported an error trying to load the specified Sysmgr Event Detector DLL library.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_THREADPOOL_MAX : Maximum number ([dec]) of callback events exceeded for [chars]; There is no available thread in the threadpool to service the event.

Explanation	An attempt to schedule an event requiring a callback failed because there is no available thread in the threadpool.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_THREAD_POOL_START : [chars]: Error reported by thread_pool_start function; [chars]

Explanation	The thread_pool_start function reported an error while attempting to start the thread pool.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_WB_CREATE : [chars]: create_watched_boolean failed; [chars]

Explanation	The create_watched_boolean function reported an error trying to createthe watched boolean.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_WDSYSMON_RELOAD_FM : [chars]: Failed to load WDSysMon FD DLL [chars]; return code=[dec]

Explanation	The wd_reload_fh_detector function reported an error trying to load the specified WDSysMon Event Detector DLL library.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_WQ_CREATE : [chars]: create_watched_queue failed; [chars]

Explanation	The create_watched_queue function reported an error trying to createthe watched queue.
Recommended Action	Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_XDM_DISPATCH_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]

Explanation	XOS Dispatch Manager reports an error when dispatching an event.
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%HA_EM-7-FMS_XDM_DISPATCH_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_XDM_WAIT_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]

Explanation XOS Dispatch Manager reports an error when waiting for an event.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

%HA_EM-7-FMS_XOS_DM_EXECUTE : [chars]: Failed to attach a handler to process child process exit; [chars]

Explanation The xos_dm_execute function reported an error trying to attach the handler to process child process exit.

Recommended Action Copy the message exactly as it appears, and report it your technical support representative.

HA_PROXY

%HA_PROXY-3-PROXY_IPC_PAK_ALLOC_FAILED :

Explanation Allocation of IPC packet failed.

Recommended Action LOG_STD_ACTION

%HA_PROXY-2-HA_SESSION_ALLOC_FAILED : [chars]: unable to allocate entry for [chars] binding

Explanation HA could not allocate a control block to manage the service

Recommended Action LOG_STD_ACTION

%HA_PROXY-2-HA_FIND_SERVICE_FAILED : [chars]: unable to find [chars] service

Explanation HA could not find the specified service

Recommended Action LOG_STD_ACTION

%HA_PROXY-3-HA_DUP_SERVICE_NAME : [chars]: Duplicate service name: [chars] on bind

Explanation	Duplicate service name on ha service bind
Recommended Action	LOG_STD_ACTION

%HA_PROXY-3-HA_DUP_SERVICE_INDEX : [chars]: Duplicate service index: [dec] on bind

Explanation	Duplicate service index on ha service bind
Recommended Action	LOG_STD_ACTION

%HA_PROXY-3-HA_INVALID_REQUEST : [chars]: Unknown request: [dec]

Explanation	HA control services received unknown request
Recommended Action	LOG_STD_ACTION

%HA_PROXY-3-HA_MALFORMED_PKT : Malformed packet bad [chars] [hex], MSGDEF_LIMIT_MEDIUM

Explanation	HA Sync packet was malformed, may not have been fully processed
Recommended Action	LOG_STD_ACTION

%HA_PROXY-4-HA_UNKNOWN_SERVICE : Sync msg for unknown service [hex] rg [hex], MSGDEF_LIMIT_MEDIUM

Explanation	HA Sync received a message for an unknown service
Recommended Action	LOG_STD_ACTION

%HA_PROXY-4-HA_PKT_ERROR : Error processing HA sync pkt, rg [hex], MSGDEF_LIMIT_MEDIUM

Explanation	HA Sync packet was dropped while processing
Recommended Action	LOG_STD_ACTION

HDLC**%HDLC-1-ISSU_NOMEMORY : msgtxt_nomemory**

Explanation	The requested operation could not be accomplished because of a low memory condition.
Recommended Action	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

%HDLC-4-ISSU_SENDFAILED : HDLC ISSU: send message failed, rc = [dec]

Explanation	The sending of a message has 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.

%HDLC-4-ISSU_INCOMPATIBLE : hdlc-issu-compat: returned FALSE

Explanation	The compatibility checking has 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.

%HDLC-4-ISSU_XFORM : [chars]: failed, rc=[chars]

Explanation	The transform has 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.

HFSLIB**%HFSLIB-3-HFSOPEN : Problem accessing the udev generated file: [chars]**

Explanation	No explanation.
Recommended Action	No action is required.

%HFSLIB-3-HFSINOFALIED : Inotify failed to initialize : [chars]

Explanation	This error occurs when the inotify sub-system is misbehaving
Recommended Action	No action is required.

%HFSLIB-3-HFSINOWATCH : Inotify failed to add a watch: [chars]

Explanation	This error occurs when the inotify sub-system is misbehaving
Recommended Action	No action is required.

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

Explanation	Setup of a console service failed.
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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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 system performance deteriorate (and eventually, system reloads due to unspecified reason) around the time when this message is observed, open a case with the Technical Assistance Center via the following Internet link, or contact your Cisco technical support representative: https://mycase.cloudapps.cisco.com/case

HPI

%HPI-3-FAILED_START : channel:[chars] DSP ID:[hex], failed mode [dec] for service [dec]

Explanation	Failed to start DSP services
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-3-INVALID_PAYLOAD : wrong payload size, channel:[chars] DSP ID:[hex], failed mode [dec] for service [dec]

Explanation	Failed to start DSP services
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%HPI-3-INVALID_PAYLOAD : wrong payload size, channel:[chars] DSP ID:[hex], failed mode [dec] for service [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.
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%HPI-3-CODEC_NOT_LOADED : channel:[chars] DSP ID:[hex], command failed as codec not loaded [dec]

Explanation	Sending messages to DSP without a loaded codec can result with the DSP failing
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_CODEC_LOAD : channel:[chars] DSP ID:[hex], invalid hpi mode [dec] for loading codec [dec]

Explanation	Attempt to load codec when the DSP is in an invalid mode which can result with DSP failure
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-NO_CLOSE : channel:[chars] DSP ID:[hex]

Explanation	Attempt to release DSP without sending close 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.

%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

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

%HPI-6-NACK_LOW : DSP to IOS Nack message with severity [chars] [chars] [chars]

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-BADAUTH : 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]

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

Explanation 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.

Recommended Action Enable standby use-bia on the interface.

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

Explanation The router has changed state

Recommended Action No action is required.

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

Explanation 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.

Recommended Action 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]

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to a different HSRP group.

Recommended Action 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

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.

Recommended Action 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

Explanation 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.

Recommended Action 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

Explanation	The HSRP virtual IP address contained in the Hello message cannot be learnt as it is not within a subnet configured on the interface.
Recommended Action	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]

Explanation	The HSRP virtual IP address contained in the Hello message from the Active router is different from the virtual IP address configured locally.
Recommended Action	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**

Explanation	There were no event structures remaining in the system pools to alert the router of a voice or signaling event.
Recommended Action	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

Recommended Action 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]

Explanation User trigger PCM capture is enabled or disable on this voice port

Recommended Action This is just for information only

%HTSP-5-VPM_CABLE_STAT : voice port [chars]: cable [chars]

Explanation Cable for analog voice port is reconnected or removed

Recommended Action Check the cable connection for this analog voice port

HTTP through IDB_IDENTITY

- [HTTP](#)
- [HTTPC](#)
- [HUNTGRP](#)
- [HW_API](#)
- [HW_FLOWDB](#)
- [HW_IDPROM_ENVMON](#)
- [HW_PFU](#)
- [ICC](#)
- [IDBMAN](#)
- [IDB_IDENTITY](#)

HTTP

%HTTP-3-PROC_NOCREAT : Unable to create HTTP process.

Explanation	An error occurred during initialization of the HTTP process. The HTTP process that processes all HTTP requests and responses could not be created.
Recommended Action	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.

Explanation	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.
Recommended Action	Reduce connection rate to the server.

%HTTP-3-OUTOF_MEM : HTTP out of memory.

Explanation	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.
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%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

%HTTTPC-3-INIT_FAIL : HTTP Client Process Init failed.

Explanation**Recommended
Action**

%HTTTPC-3-OUTOF_SYNC : HTTP Client header tables out of sync.

Explanation**Recommended
Action**

%HTTTPC-6-CONNECT_FAILED : The connection to server [IP_address] failed

Explanation**Recommended
Action**

%HTTTPC-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.

%HTTTPC-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.

%HTTTPC-6-REQUEST_FAILED : request URI [chars] failed

Explanation**Recommended
Action**

%HTTTPC-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.

%HTTTPC-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.

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.
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%HW_API-3-INVALID_OBJ : Invalid object [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-INVALID_TYPE : Invalid type [dec]

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-INVALID_WALK_SPEC : Invalid walk spec [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-WALK_MODE_UNSUPPORTED : Walk mode '[chars]' unsupported

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-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 be 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 be 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

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.
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%HW_API-3-NO_OBJ_TYPE_LIST_ENTRY2 : Invalid sw_obj_link_type ([dec]) used with obj_type_list

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-INIT_FAIL : HW-API init [chars] failed[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_FLOWDB**%HW_FLOWDB-3-HW_FLOWDB_OOM : FlowDB memory usage exceeded 95[int]sage. OOM condition can occur.**

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

HW_IDPROM_ENVMON**%HW_IDPROM_ENVMON-3-HW_IDPROM_FIELD_INVALID : The idprom contains an invalid environmental monitoring field.**

Explanation	If this error occurs then parsing of the environmental monitoring data is aborted. Environmental monitoring will be either incomplete or absent entirely.
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%HW_IDPROM_ENVMON-3-HW_IDPROM_FIELD_INVALID : The idprom contains an invalid environmental monitoring field.

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-HW_IDPROM_CHECKSUM_INVALID : The idprom contains an invalid checksum in a sensor entry. Expected: [hex], calculated: [hex]

Explanation If this error occurs then parsing of the environmental monitoring data is aborted. Environmental monitoring will be either incomplete or absent entirely.

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-2-ACT2_UDI_DATA_INVALID : The act2 udi secure area format mismatch with unsecure area

Explanation 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.

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

%HW_IDPROM_ENVMON-3-PS_IDPROM_INVALID_PID : [chars] in slot PFU[dec] has INVALID PID [chars] and it needs to be replaced immediately

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.
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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.
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.
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%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

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.

%ICC-4-BAD_ACCOUNTING : ICC received a bad class [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.

%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

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 ice 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.
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-VLANNOTSET : [chars]: Vlan [dec] not set since it already has Vlan [dec]

Explanation	There is an internal error that caused an interface to not have its Vlan set to the requested value
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%IDBMAN-3-VLANNOTSET : [chars]: Vlan [dec] not set since it already has Vlan [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.
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%IDBMAN-6-VLANMAPPED : Vlan [dec] is mapped to [chars]

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

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

Explanation	There is an internal error that caused an invalid aggregate port 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-3-INVALIDAGGPORTBANDWIDTH : [chars]([dec] / [dec]) has an invalid bandwidth value of [dec]

Explanation	There is an internal error that caused an invalid bandwidth to be used for an 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-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.
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-REMOVED_NONDEFAULT_CONFIG : Removed non default configuration for interfaces in slot [dec]

Explanation	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.
Recommended Action	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

Explanation	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.
Recommended Action	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]

Explanation	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.
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.

IDB_SGI through ILPOWER

- [IDB_SGI](#)
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- IFS
- IKEV2
- ILPOWER

IDB_SGI

%IDB_SGI-2-XDRREG : [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.

%IDB_SGI-2-MEMREQ : [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.

%IDB_SGI-3-BADPTR : [chars] of interface with ifindex [int] is invalid

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.

%IDB_SGI-3-MEMFAIL : [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.

%IDB_SGI-4-MEMBERREQ : member request failure for interface with ifindex [int] returned err - [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.

%IDB_SGI-3-XDRREQ : [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.

%IDB_SGI-4-INTERR : [chars] for interface with ifindex [int]

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.

%IDB_SGI-4-UNEXPINP : [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.

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

Explanation	A malloc failure occurred in ID Manager.
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%IDMGR-3-MALLOC_FAILURE : [chars]

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.
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%IDMGR-3-INTERRUPT : [chars]

Explanation	An id_get attempted at interrupt level.
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.

%IDMGR-3-INVALID_ID : bad id in [chars] (id: [hex])

Explanation	An ID Manager 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.

%IDMGR-3-INVALID_ID_TABLE_SIZE : bad new ID table size

Explanation	A bad new table request to ID Manager 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.

%IDMGR-3-ID_MANAGER_INTERNAL_ERROR : [chars]

Explanation	Internal Error occured with ID 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.

IEDGE**%IEDGE-4-PBHK_DEPLETED_INDICES : No more portbundles can be allocated**

Explanation	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.
Recommended Action	Check configuration on the ISG

%IEDGE-4-TC_UNDEFINED_ACL : Traffic class ACL [chars] is not defined, creating permit all ACL

Explanation	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.
Recommended Action	Configure the ACL on the ISG

%IEDGE-4-CLOCK_CHANGE_TIMER_INV : A Local clock change has caused a running timer to be invalid

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

%IEDGE-3-CH_INTERNAL_ERROR : Internal error in command processing - session handle=[hex]

Explanation	There has been an internal error relating to CoA command processing.
Recommended Action	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]'

Explanation	There has been an internal error relating to CoA command processing.
Recommended Action	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.**

Explanation	A software error occurred.
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%IF-3-IDB_LIST_BAD_REF_COUNT : A bad reference count was encountered in an idb list element.

Recommended Action 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

Explanation

Recommended Action

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

Explanation An internal software error occurred. The system attempted to set the MTU on an interface to an invalid value.

Recommended Action 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]

Explanation Application layer code attempted to access an unlocked 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.

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

Explanation Attempt to release semaphore held by another 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.

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

Explanation Unable to obtain interface semaphore.

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

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.
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%IF-4-BACKWARD_COUNTERS : Corrected for backward [chars] counters ([int] -> [int]) on [chars]

Explanation	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.
Recommended Action	If this condition persists, 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. If you cannot determine the nature of the error from the error message text or from the show tech-support command output, contact your Cisco technical support representative and provide the representative with the gathered information.

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

Explanation	This is an internal error that was recovered gracefully.
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.

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

Explanation	A process which manages network interface background processing is not yet running, but another system process has tried to send the process a message.
Recommended Action	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 shutdown operation and then a no shutdown .

IFDAMP

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

Explanation	dampening interface changed state.
Recommended Action	No action is required.

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

Explanation Inconsistency of dampening reuse timer wheel

Recommended Action No action is required.

IFMAP

%IFMAP-3-CAUSE_CFG : hash table not initialized

Explanation PAL interface handle to uidb hash table not initialized

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.

IFMGR

%IFMGR-3-IFINDEX_PERSIST_ENTRY_CORRUPT : [chars] seems to be corrupted. Trying to read [dec] size

Explanation The ifIndex-table seems to be corrupted.

Recommended Action Delete the ifindex-table.

%IFMGR-3-INVALID_PERSISTENT_DATA : Invalid persistent data

Explanation Trying to write invalid persistent data

Recommended Action 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**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.
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.
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Recommended Action	No action is required.
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%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.
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

Explanation power policing current or voltage value is invalid.

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-SENSE_POWER_INVALID : Interface [chars]: invalid power sense [dec] milliwatts current [dec] mA voltage [dec] mV

Explanation	power sensing current or voltage value is invalid.
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-4-ILPOWER_POWER_SUPPLY : PoE Power Supply [chars]: [chars]

Explanation	The power supply for PoE is OIR
Recommended Action	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]

Explanation	The power supply for PoE expansion module is not present or not inserted properly or faulty
Recommended Action	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

Explanation	Spare pair power request was successful and power is available on spare pair
Recommended Action	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.

%ILPOWER-5-SINGLE_PAIRSET_FAULT : Interface [chars]: shutting down [chars] pairset due to fault

Explanation The dual signature PD on this port has hit a critical fault on one pairset and hence that pairset will be shutdown

Recommended Action No action is required.

%ILPOWER-5-LLDP_SHUTDOWN : Interface [chars]: PD requested shutdown for [dec] sec via LLDP MDI TLV

Explanation Inline power is removed because PD requested shutdown via LLDP MDI TLV

Recommended Action No action is required.

IM through IOSD_INFRA

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- [IMGR](#)
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IM

%IM-0-UIPEER_CREATE : Failed to create user interface peer.

Explanation	The system failed to create a user interface peer.
Recommended Action	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 :

Explanation	Initialization of IOx Manager process failed.
Recommended Action	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 :

Explanation	An event facility initialization or maintenance function failed. This could be due to a software defect or system resource exhaustion.
Recommended Action	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]

Explanation	The virtualization service activate message was received, however, the data it contained could not be interpreted
Recommended Action	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

Explanation	The virtualization service deactivate message was received, however, the data it contained could not be interpreted
Recommended Action	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]

Explanation	A memory allocation request failed to allocate a data structure required to activate the virtualization service.
Recommended Action	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]

Explanation	The named virtualization service failed to start.
Recommended Action	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]

Explanation	The virtualization service requires physical memory in excess of the free memory available to virtualization services.
Recommended Action	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]

Explanation	The virtualization service requires Disk Storage in excess of the Free Disk Storage available to virtualization services.
Recommended Action	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]

Explanation The virtualization service machine definition file is requesting more memory than the system has available for virtualization services.

Recommended Action 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]

Explanation The virtualization service machine definition file is requesting more VCPUs than the system has reserved for virtualization services.

Recommended Action 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]

Explanation 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.

Recommended Action 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]

Explanation 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.

Recommended Action For debugging collect the iox-manager logs and scan them for the cause.

%IM-2-VIRT_INST_STATE : Virtualization Service[chars]

Explanation 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.

Recommended Action 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

Explanation The virtualization service with the ID named could not be located in the IOx-manager list.

%IM-2-FIND_VIRT_INST_ENTRY : Failed to find virtualization service with id [int] in the IOx-manager list

Recommended Action	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.
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%IM-5-AUX : Virtualization Service[chars]

Explanation 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.

Recommended Action No action is required

%IM-2-INVALID_UNPROV_MSG : Failed to process virtualization service unprovision message

Explanation The virtualization service unprovision message was received, however, the data it contained could not be interpreted

Recommended Action 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]

Explanation The virtualization service machine definition file is requesting invalid VCPU value.

Recommended Action 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]

Explanation The virtualization service machine definition file is requesting more CPU shares than the system has available for virtualization services.

Recommended Action 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]

Explanation The installation of the virtualization service failed.

Recommended Action 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]

Explanation The install media was not detected. Waiting for udev to complete install media(harddisk) detection.

Recommended Action 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.

Explanation A management interface is configured but none is defined.

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]

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

%IM-2-UPGRADE_LOG : [chars] [chars] [chars] [chars]

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

%IM-2-INSTALL_STATE : [chars] '[chars] [chars] [chars]

Explanation	The installation state of the named virtualization service has changed 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-UNINSTALL_ALL_VMS : All Virtualization Services are being uninstalled [chars][chars] [chars]

Explanation	All virtualization services are being uninstalled by IOx-manager.
Recommended Action	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]

Explanation	The activation state of the named virtualization service has changed 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-4-WATCHDOG_TIMER : [chars] '[chars]' [chars] [chars]

Explanation	The watchdog timer configured for the named virtual service has expired.
Recommended Action	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.

Explanation	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.
Recommended Action	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]

Explanation	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.
Recommended Action	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]

Explanation	IOx-manager HA switchover state related messages for a virtual-service whilst it is being recovered on newly active RP after a HA switchover.
Recommended Action	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

Explanation	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
Recommended Action	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]

Explanation 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.

Recommended Action 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.

%IM-4-IOX_INST_WARN : IOX SERVICE [chars] LOG: [chars]

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.

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

%IM-6-IOX_START_INFO : [chars] cannot be started because it is not installed

Explanation	Indicates starting an app before installation.
Recommended Action	No action is required

%IM-6-IOX_START_SUCCESS : [chars] is in RUNNING state

Explanation	Indicates starting an app after installation.
Recommended Action	No action is required

%IM-6-IOX_START_FAIL : [chars] failed to start

Explanation	Indicates starting an app after installation.
Recommended Action	No action is required

%IM-6-START_MSG : app-hosting: [chars]

Explanation	Message for starting an app.
Recommended Action	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.

%IM-6-INSTALL_MSG : app-hosting: [chars]

Explanation	Message for installing an app.
Recommended Action	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.

%IM-6-ACTIVATE_MSG : app-hosting: [chars]

Explanation	Message for activating an app.
Recommended Action	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.

%IM-6-DEACTIVATE_MSG : app-hosting: [chars]

Explanation	Message for deactivating an app.
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%IM-6-DEACTIVATE_MSG : app-hosting: [chars]

Recommended Action	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
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%IM-2-IOX_ENABLEMENT : IOX is ready.

Explanation	Message for IOX enablement.
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Recommended Action	No action is required
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%IM-6-UPGRADE_MSG : app-hosting: [chars]

Explanation	Message for upgrading an app.
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Recommended Action	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
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%IM-6-VERIFICATION_MSG : app-hosting: [chars]

Explanation	Message for signature verification
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Recommended Action	In the failed case, check Ioxman's trace log for the cause of the failure. In the successful case, this notification can be ignored.
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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.
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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).
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%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.
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Recommended Action	If the problem persists reboot the forwarding processor (ESP).
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%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

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_CRYPTO_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

%IMGR-6-FMFP_CRYPTO_DEVICE_BUSY : All Crypto Device cores are busy with data packets.

Explanation	All ESP crypto device are busy.
Recommended Action	May need to lower crypto traffic rate.

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]

Explanation	index object routine error
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%INDXOBJ-3-ADD_ERROR : index add for [chars] failed: [chars]

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.
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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

Explanation Processing packet went beyond valid packet data, packet was possibly invalid, ppe info and encrypted pkt dump follow

Recommended Action LOG_STD_ACTION

%INFRA-3-INVALID_GPM_ACCESS_INFO : [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex] [hex]

Explanation Registers associated with previous exception error

Recommended Action LOG_STD_ACTION

%INFRA-3-INVALID_GPM_ACCESS_DATA :

Explanation Packet associated with previous exception error The packet data has been encrypted

Recommended Action LOG_STD_ACTION

INSTALL

%INSTALL-5-OPERATION_START_INFO : Started [chars] package [chars]

Explanation This message is used to indicate the beginning of operations.

Recommended Action 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]

Explanation This message is used to indicate the completion of operations.

%INSTALL-5-OPERATION_COMPLETED_INFO : Completed [chars] package [chars]

Recommended Action	No action required. This is not an error, it is an indication that the system completed the operation.
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%INSTALL-3-OPERATION_ERROR_MESSAGE : Failed to [chars] package [chars], Error: [chars]

Explanation	This message is used to inform the failure reason.
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Recommended Action	Please refer to the error message to analyze the cause of failure.
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%INSTALL-5-INSTALL_START_INFO : Started [chars] [chars] [chars]

Explanation	This message is used to indicate the beginning of install operations.
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Recommended Action	No action required. This is not an error, it is an indication that the system is starting this operation.
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%INSTALL-5-INSTALL_COMPLETED_INFO : Completed [chars] [chars] [chars]

Explanation	This message is used to indicate the completion of install operations.
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Recommended Action	No action required. This is not an error, it is an indication that the system completed this operation.
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%INSTALL-3-INSTANT_ERROR_MESSAGE : Error Message: [chars]

Explanation	This message is used to send a instant error message.
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Recommended Action	No action required.
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%INSTALL-5-INSTALL_AUTO_ABORT : Install auto abort timer expired: initiating abort

Explanation	An install operation has been aborted because the auto abort timer has expired.
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Recommended Action	No user action is needed. If you want to commit the ISSU upgrade, redo the upgrade. Otherwise, this is an informational message only.
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%INSTALL-5-INSTALL_AUTO_ABORT_TIMER_PROGRESS : Install auto abort timer will expire in [dec] seconds

Explanation	An install operation will be aborted after specified seconds of time.
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%INSTALL-5-INSTALL_AUTO_ABORT_TIMER_PROGRESS : Install auto abort timer will expire in [dec] seconds

Recommended Action 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

%INTERCHASSIS_REDUNDANCY-4-STDBY_PRESENT : Removal of standby RP in location [chars] is recommended for inter-chassis redundancy configuration

Explanation Removal of standby RP from the chassis is recommended for inter-chassis redundancy

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

%INTERFACE_API-4-BADSWIDB : [chars] may not be referencing the correct swidb

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-BADPAKINPUT : pak->if_input is not initialized

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-1-NAMESTRTOOLONG : Interface name [chars].[int] exceeded maximum allowed length [dec]

Explanation An internal software error occurred.

%INTERFACE_API-1-NAMESTRTOOLONG : Interface name [chars].[int] exceeded maximum allowed length [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.
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%INTERFACE_API-3-NOADDSUBBLOCK : The [chars] subblock named [chars] was not added to [chars]

Explanation	A software error has occurred, this message is displayed when IDB subblocks cannot be added.
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-INVALIDSUBBLOCKPARAMETERS : Invalid subblock parameters for [chars] were supplied.

Explanation	An internal software error occurred.
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-NOMORESUIDB : 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
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%INTERFACE_API-1-NOMORESWIDB : No more SWIDB can be allocated, maximum allowed [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.

%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.

Recommended Action In addition to the following, copy the information from `show idb`.
LOG_STD_ACTION

%INTERFACE_API-1-NOMORESWIDBNUMBERS : 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.
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.

Recommended Action 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 **show tech** 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]

Explanation 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.

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-HWIDBQREENTRANT : [chars] in progress of being inserted/removed, ignoring new request to [chars]

Explanation 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.

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.

IOMD_INFRA**%IOMD_INFRA-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	Examine the logs for IOMD. If the problem persists, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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-IPCFSENDFAIL : IOMD failed to send a message [chars] reason: [chars]

Explanation	IOMD failed to send message to the RP
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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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-IPCALLOCFAIL : Failed to allocate IPC buffer [chars]

Explanation	The IM failed to allocate a buffer for communication with RSP
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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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-6-TDLMSG_INCOMPATIBLE : Failed to copy message [chars] to buffer, not allowed for current domain.

Explanation	Failure to marshal a message indicates an incompatibility \ with the intended recipient.
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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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
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%IOMD_INFRA-4-INTR_OVER_LIMIT : IOMd main thread disabled interrupt for [int] msec.

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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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.
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%IOMD_INFRA-3-INTR_EVENT : IOMd fast thread event ([dec]).

Explanation	IOMd fast thread event
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 http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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-I2C_WRITE : An I2C write has failed because [chars]

Explanation	An I2C write has failed. This could be due to a hardware or software defect.
Recommended Action	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]

Explanation	An I2C read has failed. This could be due to a hardware or software defect.
Recommended Action	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

Explanation	Online Diag has failed. This could be due to a hardware or software defect.
Recommended Action	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]

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

%IOSD-3-TDL_PROPERTIES : Could not set message properties for connection: [chars]

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

IOSD_INFRA

%IOSD_INFRA-6-IFS_DEVICE_OIR : Device [chars] [chars]

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

%IOSD_INFRA-3-IFS_DEVICE_DETECT_FAIL : Device [chars] [chars]

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

IOSXE_APS through IOSXE_FMANRP_CCE

- [IOSXE_APS](#)
- [IOSXE_CSLIFS](#)
- [IOSXE_CXSC](#)
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- [IOSXE_FMANRP_ADJ](#)
- [IOSXE_FMANRP_CCE](#)

IOSXE_APS

%IOSXE_APS-3-GROUP_CONFIG_FAIL : Group change for interface [chars] Group [dec] failed

Explanation	Group change for interface has 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_APS-3-CONFIG_FAIL : config change for interface [chars] Group [dec] failed

Explanation	config for an interface to forwarding plane has 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_APS-3-FLOWIDDELETIONFAILED : Deletion of APS flow ID with manager failed for interface [chars] group [dec]

Explanation	An unexpected condition has occurred that deletion of APS flow ID.
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%IOSXE_APS-3-FLOWIDDELETIONFAILED : Deletion of APS flow ID with manager failed for interface [chars] group [dec]

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

Explanation An unexpected condition has occurred that allocation of APS flow ID. 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_APS-3-PAIR_CONFIG_FAIL : Pair config for interface [chars] Group [dec] failed

Explanation Pair config for interface has 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_APS-3-CCCONFIGFAILED : Pair config for interface [chars] Group [dec] failed

Explanation Pair config for interface has 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_APS-3-FLOWCONFIGTOCCFAILED : Flow id to cc for interface [chars] Group [dec] failed

Explanation Flow id to cc for an interface has failed

%IOSXE_APS-3-FLOWCONFIGTOCCFAILED : Flow id to cc for interface [chars] Group [dec] 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.
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%IOSXE_APS-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_CSLIFS**%IOSXE_CSLIFS-3-ERROR_SETTING : Error setting default file system ([dec])**

Explanation	There is an error happened after calling function ifs_set_default_directory
Recommended Action	Check the csl filesystem

IOSXE_CXSC**%IOSXE_CXSC-3-ALLOC : Failed to allocate message for proposition**

Explanation	When attempting to program the dataplane with a CXSC proposition object, there was no enough memory to allocate the 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_CXSC-3-MESSAGE : Failed to send message for proposition

Explanation	When the proposition was being prepared for sending to the data plane, there was an error.
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%IOSXE_CXSC-3-MESSAGE : Failed to send message for proposition

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_CXSC-3-ACTION : Unknown proposition action ([dec])

Explanation When the proposition was being sent to the data plane, the action was unknown 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_CXSC-3-BAD_PROPOSITION : Proposition obj corrupt

Explanation When the proposition was being sent to the data plane, the object itself is corrupt.

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_CXSC-3-BAD_SUMMARY : Summary obj corrupt

Explanation When the proposition summary was being sent to the data plane, the object itself is corrupt.

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_CXSC-4-DUAL_RP_UNSUPPORTED : Dual RPs are not supported in conjunction with CXSC

Explanation CXSC is not supported in a dual RP environment. To resolve this warning, either unconfigure CXSC or remove the redundant Route Processor.

%IOSXE_CXSC-4-DUAL_RP_UNSUPPORTED : Dual RPs are not supported in conjunction with CXSC

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.
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%IOSXE_CXSC-3-RF_INIT : Failed to initialize CXSC Redundancy Facility client

Explanation	An unexpected condition occurred where the CXSC Redundancy Facility failed to initialize.
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_CXSC-3-STILE_ACTIVATE : Failed to activate NBAR classification: ([dec])

Explanation	An unexpected condition occurred where the CXSC NBAR protocol classification failed to activate.
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_CXSC-3-STATISTICS_ALLOCATION : Unable to allocate space for statistics

Explanation	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.
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_CXSC-3-BAD_PROTOCOLPACK : Invalid Protocol Pack object

Explanation	When the Protocol Pack was being sent to the data plane, the object's contents were invalid.
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%IOSXE_CXSC-3-BAD_PROTOCOLPACK : Invalid Protocol Pack object

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.
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%IOSXE_CXSC-3-FILESYSTEM_ERR : FileSystem Error ([chars]): Unable to Copy File from [chars] to [chars]

Explanation	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.
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_CXSC-3-INSUFFICIENT_ALLOC_IOSXE_VER : Insufficient memory allocated for IOSXE version String

Explanation	The input IOSXE Version String has insufficient memory to hold the IOSXE Version.
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_CXSC-3-INSUFFICIENT_ALLOC_NBAR_VER : Insufficient memory allocated for NBAR Engine Version String

Explanation	The input NBAR Engine Version string has insufficient memory to hold the NBAR Engine Version.
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_CXSC-3-PLATFORM_TYPE : Unrecognised platform type. CPU ID [dec]

Explanation	The platform that the cxsc service is being installed on is not recognised. The most likely cause is that this platform is not supported.
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%IOSXE_CXSC-3-PLATFORM_TYPE : Unrecognised platform type. CPU ID [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.
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IOSXE_DNS**%IOSXE_DNS-3-UPDATE_FAILED : Update resolv.conf, vrf [chars], rc [dec]**

Explanation	An unexpected condition has occurred while updating the DNS file
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_DNS-3-VRF_FAILED : Operation ([chars]) on /etc/netns/[chars], rc [dec]

Explanation	An unexpected condition has occurred while updating the DNS directory
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_EPA**%IOSXE_EPA-3-CREATION_FAILURE : slot=[dec] subslot=[dec], spa_type=[hex], lc_type=[hex].**

Explanation	Failed to create a SPA object.
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_EPA-3-ACT2_AUTHENTICATION_FAILURE : slot=[dec] subslot=[dec], spa_type=[hex], lc_type=[hex].

Explanation	ACT2 dev authentication Failed.
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%IOSXE_EPA-3-ACT2_AUTHENTICATION_FAILURE : slot=[dec] subslot=[dec], spa_type=[hex], lc_type=[hex].

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_EPA-3-NULL_EPASENSOR_PTR :

Explanation Pointer to a DEVSENSOR object is NULL.

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_EPA-3-NULL_PORT_PTR :

Explanation Pointer to a PORT object is NULL.

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_EPA-3-NULL_DEVPSEQ_PTR :

Explanation Pointer to a DEVPSEQ object is NULL.

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_EPA-3-NULL_DEVOBJ_PTR :

Explanation	Pointer to a DEVOBJ object is NULL.
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_EPA-3-NULL_FPGA_PTR :

Explanation	Pointer to a FPGA object is NULL.
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_EPA-3-NULL_EPA_PTR :

Explanation	Pointer to an EPA object is NULL.
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_EPA-3-NULL_VSC_PHY_INFO_PTR :

Explanation	Pointer to a VSC PHY INFO object is NULL.
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_EPA-3-NULL_VFT :

Explanation	Pointer to a DEVSENSOR object is NULL.
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_EPA-3-UNSUPPORTED_XCVR : Transceiver type [chars] is not allowed on spa [chars], port [dec],

Explanation	This transceiver is not allowed on the SPA
Recommended Action	Consult the documentation and ensure supported transceivers are plugged into the SPA

%IOSXE_EPA-3-AUTONEG_CFG_ERR : interface [chars] autoneg state '[chars]' is incompatible with transceiver. Remove '[chars]' to allow the transceiver.

Explanation	Autoneg Config is not compatible. Remove autoneg config on the interface to allow the transceiver
Recommended Action	Remove the negotiation auto config or reinsert the previously enabled transceiver.

%IOSXE_EPA-3-XCVR_EC_BWMISMATCH : Transceiver bandwidth is incompatible with Port-channel[dec] allowed bandwidth. Remove 'channel-group [dec]' config for interface [chars] to allow the transceiver

Explanation	The interface port into which the transceiver is inserted is part of a Port-channel. The Port-channel has member links whose bandwidth doesn't match with the inserted transceiver's bandwidth. Since, port-channel cannot allow heterogenous bandwidth links, this transceiver is not allowed in to the port.
Recommended Action	Remove the channel-group config for the port where transceiver is inserted or insert a transceiver whose bandwidth is compatible with the port-channel bandwidth

%IOSXE_EPA-3-XCVR_PROHIBIT : Transceiver is prohibited to come online for interface [chars]

Explanation	XCVR is prohibited on the interface
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%IOSXE_EPA-3-XCVR_PROHIBIT : Transceiver is prohibited to come online for interface [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.
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IOSXE_ETHERCHAN

%IOSXE_ETHERCHAN-6-LINK_MTU : Interface [chars] MTU set to port-channel [chars] MTU [dec]

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

%IOSXE_ETHERCHAN-3-LINK_MTU_FAIL : Failure in changing MTU of interface [chars] to port-channel [chars] MTU

Explanation	The MTU for the interface mentioned in the message cannot be changed to match the MTU configured on the port channel interface
Recommended Action	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

Explanation	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.
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-EPOCHTDLMSGMARSHAL : Failed to copy epoch TDL message to IPC buffer, epoch number [dec]

Explanation	This operation to build a TDL messages for epoch message has 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_FMANRP-3-MSGMARSHALERR : Unable to copy IPC messages into transport buffer. Message: [chars]

Explanation	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.
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-MSGNOERR : Unable to enqueue IPC messages to IOS IPC queue. Message: [chars].

Explanation	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.
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-MSGNONDLSTATSERR : Unable to process received non-TDL stats message from Forwarding Manager, error: [chars] ([dec]).

Explanation	An unexpected condition has occurred while IOS trying to process received non-TDL stats 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_ADJ

%IOSXE_FMANRP_ADJ-3-NOADJ : Adjacency entry is null

Explanation	An unexpected condition has occurred which is due to the absence of an adjacency entry structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Issue the show adjacency 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_ADJ-3-NOFIBHWIDB : FIB Interface [chars] is null

Explanation An unexpected condition has occurred which is due to the absence of a FIB interface structure.

Recommended Action LOG_STD_SH_CMD_ACTION(show adj)

%IOSXE_FMANRP_ADJ-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_FMANRP_ADJ-3-ENCSIZE : Invalid encap length [dec] which is larger than max allowed [dec] bytes

Explanation An unexpected condition has occurred which is due to invalid adjacency encapsulation size being larger than the maximum value allowed.

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_CCE

%IOSXE_FMANRP_CCE-4-CCE_STACK_LIMIT : Failed to create class [dec] filter list

Explanation 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.

Recommended Action LOG_STD_SH_CMD_ACTION(show class-map [type <class type> <name>])

%IOSXE_FMANRP_CCE-3-CCE_INVALID_FILTER_RELN : Invalid filter relation [int]

Explanation An internal error occurred when trying to build class-map information for one of the classes in a policy-map.

%IOSXE_FMANRP_CCE-3-CCE_INVALID_FILTER_RELN : Invalid filter relation [int]

Recommended Action 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]

Explanation An internal error occurred when trying to build class-map information for one of the classes in a policy-map.

Recommended Action 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]

Explanation An error occurred when trying to create a class-map.

Recommended Action 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

Explanation When configure nested classes as match statements, the total levels of nested classes cannot exceed 4 layers

Recommended Action LOG_STD_SH_CMD_ACTION(show class-map [type <class type> <name>])

IOSXE_FMANRP_CEF through IOSXE_MEMPOOL_MIB

- [IOSXE_FMANRP_CEF](#)
- [IOSXE_FMANRP_FPM](#)
- [IOSXE_FMANRP_OBJID](#)
- [IOSXE_FMANRP_OBJID2](#)
- [IOSXE_FMANRP_RTMAP](#)
- [IOSXE_FMANRP_URPF](#)
- [IOSXE_FMANRP_ZONES](#)
- [IOSXE_INFRA](#)
- [IOSXE_LICENSE_POLICY_MANAGER](#)
- [IOSXE_MEMPOOL_MIB](#)

IOSXE_FMANRP_CEF**%IOSXE_FMANRP_CEF-3-NOFIB : FIB entry is null**

Explanation	An unexpected condition has occurred which is due to the absence of a FIB entry 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-NOFIBSB : FIB SB entry is null

Explanation	An unexpected condition has occurred which is due to the absence of a FIB SB entry 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-NOFIBTABLE : FIB table is null

Explanation	An unexpected condition has occurred which is due to the absence of a FIB table 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-NOFIBIDB : FIB interface is null

Explanation	An unexpected condition has occurred which is due to the absence of a FIB interface structure.
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%IOSXE_FMANRP_CEF-3-NOFIBIDB : FIB interface 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.
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%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

Explanation	An unexpected condition has occurred when updating reassembly 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-UPDSTATSERR : Update CEF statistics error

Explanation	An unexpected condition has occurred when updating cef statistics
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%IOSXE_FMANRP_CEF-4-UPDSTATSERR : Update CEF statistics 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_FMANRP_CEF-3-ROUTEMSGMARSHAL : Failed to copy route message to IPC buffer for prefix [chars]/[dec] - [chars]

Explanation This operation to build a TDL messages for route download has 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_FMANRP_CEF-3-NOFIBPUSHCNT : FIB push counter is null

Explanation An unexpected condition has occurred which is due to the absence of a FIB push counter 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-NOFIBSIGNAL : FIB signal is null

Explanation An unexpected condition has occurred which is due to the absence of a FIB signal 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-NONATADDR : NAT address is null

Explanation	An unexpected condition has occurred which is due to the absence of an NAT address.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Issue the show ip alias 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_FPM

%IOSXE_FMANRP_FPM-4-INVALIDLENTYPE : Field length type in PHDF file is invalid

Explanation	An unexpected condition has occurred which is due to the invalid field length type in PHDF file.
Recommended Action	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 (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_FPM-4-INVALIDMATCHTYPE : FPM match type is invalid [dec]

Explanation	An unexpected condition has occurred which is due to the invalid FPM match type in one of FPM class-map filter match entry
Recommended Action	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 (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_FPM-4-INVALIDACTION : FPM feature action is invalid [dec]

Explanation	An unexpected condition has occurred which is due to the invalid action type when trying to bind FPM action with target class group.
Recommended Action	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 (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_FPM-3-NOSTATUPDATE : Failed to update class-map statistics during periodic update

Explanation	A statistics update for a class-map has 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_FMANRP_OBJID

%IOSXE_FMANRP_OBJID-5-DUPCREATE : Duplicate forwarding object creation obj_handle [hex], type [int], existing obj_id [hex], type [int]

Explanation	An unexpected condition has occurred which results in duplicate forwarding object creation.
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_OBJID2

%IOSXE_FMANRP_OBJID2-3-DUPCREATE : Duplicate forwarding object creation obj_handle [hex], type [int], existing obj_id [hex], type [int]

Explanation	An unexpected condition has occurred which results in duplicate forwarding object creation with different object types.
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_RTMAP

%IOSXE_FMANRP_RTMAP-3-RTMAPNULL : The route-map structure for [chars] is null

Explanation	An unexpected condition has occurred which is due to the absence of a route-map data structure.
Recommended Action	show route-map

%IOSXE_FMANRP_RTMAP-4-UNKOWNCLIANT : Unknown client type [dec] received

Explanation	An unexpected known client type is received for route-map download.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show</code> 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_RTMAP-3-INVALID_LIST : NULL

Explanation	An internal list structure has been detected as invalid.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show</code> 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_RTMAP-3-RTMAP_UNSUPPORTED : Routemap ([chars]) contain unsupported match/set clause, ignored

Explanation	A map contains unsupported match or set clause
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show</code> 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_URPF**%IOSXE_FMANRP_URPF-4-NOV4SWIDB : v4 sub-interface is null**

Explanation	An unexpected condition has occurred which is due to the absence of a v4 swidb structure.
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%IOSXE_FMANRP_URPF-4-NOV4SWIDB : v4 sub-interface is null

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip 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_FMANRP_URPF-4-NOV6SWIDB : v6 sub-interface is null

Explanation An unexpected condition has occurred which is due to the absence of a v6 swidb structure.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show ipv6 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_FMANRP_URPF-3-INVALIDIFHDL : Invalid interface handle [int] for interface (number= [int], swidb= [hex], name= [chars])

Explanation An unexpected condition has occurred which is due to an invalid interface handle

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_URPF-4-UPDV4STATSERR : Update v4 URPF statistics error

Explanation An unexpected condition has occurred when updating v4 URPF statistics

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show ip interface <name>** 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_URPF-4-UPDV6STATSERR : Update v6 URPF statistics error

Explanation	An unexpected condition has occurred when updating v6 URPF statistics
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Issue the show ipv6 interface <name> 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_ZONES**%IOSXE_FMANRP_ZONES-3-NOSTATUPDATE : Failed to update zone-pair statistics during periodic update (zone [chars], class [int])**

Explanation	A statistics update for a zone-pair has 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**%IOSXE_INFRA-3-INVALID_ERRMSG : Error message type [dec] not defined**

Explanation	Error message type used is not defined in IOSXE infrastructure
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_INIT_WQ_FAIL : IOSXE shim layer initialization failed: Can not create receiving queues

Explanation	IOSXE IOS shim layer initialization of watched queue 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-SHIM_INIT_WQ_CHASFS_FAIL : IOSXE shim layer initialization failed: Can not create receiving chasfs watched queue

Explanation	IOSXE IOS shim layer initialization of watched queue 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-SHIM_INIT_PROC_FAIL : IOSXE shim layer initialization failed: Dispatch process creation failed

Explanation	IOSXE IOS shim layer initialization creating dispatch process 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-SHIM_INIT_MEM_FAIL : IOSXE shim layer initialization failed: Memory initialization failed.

Explanation	IOSXE IOS shim layer initialization of memory 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-SHIM_NO_IPC_DISPATCH_HDL : IOSXE shim layer [chars] process message without IPC dispatch handler.

Explanation	IOSXE IOS shim layer has no ipc dispatch handler set
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_RXMSG_NO_IPC_HDL : IOSXE shim layer without IPC handler for fd [dec], seqnum [dec].

Explanation	IOSXE IOS shim layer cannot find ipc handler
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%IOSXE_INFRA-3-SHIM_RXMSG_NO_IPC_HDL : IOSXE shim layer without IPC handler for fd [dec], seqnum [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-SHIM_INIT_TDL_FAIL : IOSXE shim layer initialization TDL Lib [chars] failed.

Explanation IOSXE IOS shim layer initialization of TDL library

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_INIT_DISPATCH_INIT_FAIL : IOSXE shim layer initialization, dispatch path init failed.

Explanation IOSXE IOS shim layer initialization of TDL dispatch 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.

%IOSXE_INFRA-3-INVALID_RUNTIME_IDX : Thread runtime index [dec] is not valid

Explanation Export the thread's running time 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-6-THEAD_SELECT_ERR : Inbound message or packet select error, [chars].

Explanation Socket select operation error in threads

%IOSXE_INFRA-6-THEAD_SELECT_ERR : Inbound message or packet select error, [chars].

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.
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%IOSXE_INFRA-3-INJECT_HDR_LENGTH_ERR : Inject hdr size [int] exceeds limit

Explanation	Inject header length 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_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]

Explanation	Invalid file descriptor was found 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-3-PUNT_KEEPALIVE_LOG_ERR_OPEN_FILE : Failed to open file: [chars]

Explanation	Failed to open file 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_CLOSE_FILE : Failed to close file with descriptor: [dec]

Explanation	Closing of file failed 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-3-PUNT_KEEPALIVE_LOG_ERR_WRITE_TO_FILE : Write to file Id [dec] failed [dec] bytes, expected [dec] bytes

Explanation	Write to file failed when generating punt err log
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%IOSXE_INFRA-3-PUNT_KEEPALIVE_LOG_ERR_WRITE_TO_FILE : Write to file Id [dec] failed [dec] bytes, expected [dec] bytes

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-PUNT_KEEPALIVE_LOG_ERR_ALLOC_TTY : Failed to allocate a tty

Explanation Can't allocate a TTY 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-3-PUNT_KEEPALIVE_LOG_ERR_ALLOC_CSB : Failed to allocate a csb

Explanation Can't allocate a csb 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-3-PUNT_KEEPALIVE_LOG_ERR_PARSE_CMD : Failed to parse command: [chars]

Explanation Failed to parse a command 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_PROCID : Failed to get process id

Explanation Can't get identifier of the process 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_INV_PROCID : Invalid proc id [dec], expected [dec]

Explanation	Invalid process trying to generate 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-NO_PUNT_KEEPALIVE : Keepalive not received for [int] seconds

Explanation	Punt Inject keepalive message was not received
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-2-FATAL_NO_PUNT_KEEPALIVE : Keepalive not received for [int] seconds resetting

Explanation	Punt Inject keepalive message was not received
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-2-FATAL_PUNT_LINK_DOWN : Punt Inject link went down resetting

Explanation	Punt Inject link went down
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_GSB_CTL_INIT_FAIL : Inject adjacency subblock init failed

Explanation	Adj subblock control or register failed
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%IOSXE_INFRA-3-INJECT_GSB_CTL_INIT_FAIL : Inject adjacency subblock init 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.
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%IOSXE_INFRA-3-PUNT_ADDR_RES_ENCAP_ERR : Punted address resolution packet with unknown encap [chars]

Explanation	Punted packet for ARP/ND with encap not supported
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-PUNT_SVC_PROC_ERR : Punt service [chars] create failed

Explanation	Punt service process can 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-VM_PAGE_TABLE_ERR : VM guarded page operation failed, address [hex], [chars]

Explanation	VM guarded page avl tree operation 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_INFRA-3-PUNT_SVC_TYPE_UNKNOWN : Punted packet with unknown service type [int]

Explanation	Punted pak with an unsupported service type
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-5-PUNT_SVC_CANT_ENQUEUE : Punted pak can't be enqueued for service

Explanation	Punted pak enqueue 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-5-PUNT_SVC_INVALID_OPT_PKT : Invalid IPv4 options packet punted to RP

Explanation	Invalid IPv4 options packet dropped in 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_INFRA-4-INJECT_TUN_NONIP_WARN : pak with linktype [chars] gets into non-ip tunnel

Explanation	IP/IPv6/MPLS packet should to go through GRE tunnel for non-IP payload
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_FEATURE_ESS_ERR : ESS segment not found, type [dec] hdl [hex]

Explanation	Packets to be injected to an unsupported ESS segment
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-6-PROCPATH_CLIENT_HOG : IOS shim client '[chars]' has taken %ld msec (runtime: %ld msec) to process a '[chars]' message

Explanation	The specified IOSXE IOS shim client has taken too long to process a received IPC or chasfs message
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%IOSXE_INFRA-6-PROCPATH_CLIENT_HOG : IOS shim client '[chars]' has taken %ld msec (runtime: %ld msec) to process a '[chars]' 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_INFRA-6-AUXTHD_REQUEST : Too many outstanding requests for file system access

Explanation Resource temporarily 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.

%IOSXE_INFRA-3-APP_SESS_OPEN_FAILED : An attempt to open [chars] with handle number [dec] has failed ([dec])

Explanation Application session between processes failed to establish.

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.

%IOSXE_INFRA-3-PUNT_INCOMP_WRONG_ADJID : Punted address resolution packet linktype [chars], adj-id [dec] is with linktype [chars]

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.
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%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
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_DFLT_FS_REG_FAIL : Unable to set [chars] as a default file system.

Explanation	IOSXE's platform dependent code failed to register the default file system.
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_INIT_HIDDEN_FAIL : IOSXE shim layer initialization failed: Can not create receiving queues

Explanation	IOSXE IOS shim layer initialization of hidden path watch failed
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%IOSXE_INFRA-3-IFS_INIT_HIDDEN_FAIL : IOSXE shim layer initialization failed: Can not create receiving queues

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-BSO_MSG_HDR_LENGTH_ERR : BSO message header length [int] is incorrect

Explanation BSO message header length is incorrect

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-BSO_MSG_HDR_MSGTYPE_ERR : BSO message header msgtype [int] is incorrect

Explanation BSO message header msgtype is incorrect

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-BSO_MSG_UNMARSHAL_ERR : BSO message unmarshalling has failed

Explanation BSO message unmarshalling has 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-BSO_MSG_CACHE_ERR : BSO message query cache update error - [chars]

Explanation BSO message query cache update 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_INFRA-4-BSO_MSG_RIB_WATCH_WARN : BSO message RIB watch start error

Explanation	BSO message RIB watch start 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_INFRA-3-RELOAD_INFO_SAVE_FAIL : Unable to save reload information: [dec]: [chars].

Explanation	IOSXE's platform dependent code failed to save the reload information.
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-SN_IPFRR_PROC_ERR : Static Nexthop IPFRR [chars] create failed

Explanation	SN IPFRR process can 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-6-CONSOLE_ACTIVE : [chars]

Explanation	Indicates that the current instance of IOS is assuming active control of the console. This is informational.
Recommended Action	No action is required.

%IOSXE_INFRA-6-PLATFORM_RELOAD : [chars]

Explanation	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.
Recommended Action	No action is required.

%IOSXE_INFRA-6-CHASFS_CLOCK_SET_FAIL : Failed to set Chasfs property on system time change

Explanation	Unable to set chasfs property on system time change
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-CYAN_API_ERROR : Failed to retrieve platform dependent value of [chars] (err=[dec])

Explanation	CYAN API function 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-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
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%IOSXE_INFRA-3-SWIFT_ORCH_PROC_FAIL : IOSXE SWIFT Orchestrator process creation 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.
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%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
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-SOCKET_PEEK_ERR : Interrupt processing of Punt received packets over socket failed as peek of packet returned error: [chars]

Explanation	Peek at incoming message hit 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_INFRA-3-GET_BUFFER_ERR : Interrupt processing of Punt received packets over socket failed to get a packet buffer for len [dec]

Explanation	Failed to get a packet buffer from the specified pool.
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%IOSXE_INFRA-3-GET_BUFFER_ERR : Interrupt processing of Punt received packets over socket failed to get a packet buffer for len [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-SOCKET_RECV_ERR : Interrupt processing of Punt received packets over socket failed as receive packet hit error: [chars]

Explanation Hit error when receives packet from a socket.

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-SOCKET_SEND_ERR : Transmit packet to the socket hit error: [chars]

Explanation Transmit a packet to another socket hit 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_INFRA-3-INJECT_HEADER_ERR : Transmit packet to the socket failed as packet header length is greater than datagram size. It's an incorrect packet and cannot proceed sending. header length is [dec], datagram size is [dec].

Explanation Packet header length is wrong.

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-IDB_CREATE_ERR : Failed to create IDB(Interface Descriptor Block) for Punt/Inject socket interface

Explanation Creating an idb corresponding to an interface failed.

%IOSXE_INFRA-3-IDB_CREATE_ERR : Failed to create IDB(Interface Descriptor Block) for Punt/Inject socket 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.
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%IOSXE_INFRA-3-MALLOC_FAST_ERR : Failed to allocate memory for Punt/Inject socket instance

Explanation	malloc_fast failed to allocate memory.
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-IDB_INIT_ERR : Failed to initialize IDB(Interface Descriptor Block) for Punt/Inject socket interface

Explanation	Hit error when we initialize idb.
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-PI_SOCKET_RAW_PRE_INIT_ERR : Punt/Inject socket pre-initialization(IDB creation) failed

Explanation	PI Socket Raw pre-initialization 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-PI_SOCKET_RAW_INIT_ERR : Punt/Inject socket initialization failed

Explanation	PI Socket Raw initialization failed.
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%IOSXE_INFRA-3-PI_SOCKET_RAW_INIT_ERR : Punt/Inject socket initialization 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.
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%IOSXE_INFRA-3-MCPRP_INIT_PUNTPATH_FD_ERR : Initializing the ipc control for the puntpath fd failed

Explanation	Initializing the ipc control for the puntpath fd 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-LIIN_TUN_MSG_ERR : LIIN error - [chars] [chars] [dec]

Explanation	LIIN in Tunnel mode experiencing 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_LICENSE_POLICY_MANAGER

%IOSXE_LICENSE_POLICY_MANAGER-2-CONFIG_NULL : [chars]: Configuration is unavailable

Explanation	License Configuration is undefined for this platform.
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_LICENSE_POLICY_MANAGER-2-FEATURE_CONFIG_NULL : [chars]: Feature Configuration is unavailable

Explanation	Feature Configuration is undefined for this platform.
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%IOSXE_LICENSE_POLICY_MANAGER-2-FEATURE_CONFIG_NULL : [chars]: Feature Configuration is 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.

%IOSXE_LICENSE_POLICY_MANAGER-2-FEATURE_MALLOC_FAILED : [chars]: Policy Mgr Feature Registration struct malloc failed

Explanation Memory allocation for Feature Registration Struct 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_LICENSE_POLICY_MANAGER-2-FEATURE_NAME_NULL : [chars]: Feature name is NULL

Explanation License feature name string is NULL

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_LICENSE_POLICY_MANAGER-2-LIC_REG_FAILED : [chars]: Failed to register [chars] license feature, result = [hex]

Explanation License Registration 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_LICENSE_POLICY_MANAGER-2-LIC_REQ_FAILED : [chars]: [dec]/[dec]: Lic request failed (idx:[dec], feature=[chars], lic_cnt=[dec], err=[dec])

Explanation License Request failed

%IOSXE_LICENSE_POLICY_MANAGER-2-LIC_REQ_FAILED : [chars]: [dec]/[dec]: Lic request failed (idx:[dec], feature=[chars], lic_cnt=[dec], err=[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_LICENSE_POLICY_MANAGER-2-LIC_REL_FAILED : [chars]: [dec]/[dec]: Lic release failed (idx:[dec], feature=[chars], lic_cnt=[dec], err=[dec])

Explanation License Release 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_LICENSE_POLICY_MANAGER-2-LIC_REQ_GEN_FAIL : [chars]: [dec]/[dec]: Lic request failed

Explanation License Request 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_LICENSE_POLICY_MANAGER-2-LIC_REL_GEN_FAIL : [chars]: [dec]/[dec]: Lic request failed

Explanation License Release 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_LICENSE_POLICY_MANAGER-2-BAY_MALLOC_FAILED : [chars]: Policy Mgr Bay DB malloc failed for [dec]/[dec]

Explanation Memory allocation for SPA/EPA failed

%IOSXE_LICENSE_POLICY_MANAGER-2-BAY_MALLOC_FAILED : [chars]: Policy Mgr Bay DB malloc failed for [dec]/[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_LICENSE_POLICY_MANAGER-2-IF_MALLOC_FAILED : [chars]: Policy Mgr IF DB malloc failed for [dec]/[dec]

Explanation Memory allocation for SPA/EPA interfaces 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_LICENSE_POLICY_MANAGER-6-LIC_REQ_SUC : [int]/[int]/[int]: License request is successful for [chars] feature

Explanation License release is successful, port allowed to go down

Recommended Action Nothing the system is working properly

%IOSXE_LICENSE_POLICY_MANAGER-6-LIC_REL_SUC : [int]/[int]/[int]: License release is successful for [chars] feature

Explanation License release is successful, port allowed to go down

Recommended Action Nothing the system is working properly

%IOSXE_LICENSE_POLICY_MANAGER-4-INSUF_LIC : [int]/[int]/[int]: Insufficient [chars] license, skipping license request assuming customer has honor license

Explanation Permanent/Evaluation licenses have exhausted, skipping license request assuming customer has purchased license

Recommended Action Nothing the system is working properly

%IOSXE_LICENSE_POLICY_MANAGER-4-DISABLE_MACSEC : [chars]: Disabling MACsec configuration due to insufficient license

Explanation Disabling MACsec configuration from port due to insufficient MACsec license

Recommended Action Purchase/Install MACsec license

IOSXE_MEMPOOL_MIB

%IOSXE_MEMPOOL_MIB-3-BUFFPOOL_REG_ERROR : Bufferpool register data exceeds allocated memory; Retrieved only [dec] entries.

Explanation Memory allocated is not enough

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_MGMTVRF through IOSXE_RP_IF_FLOW_IDS

- [IOSXE_MGMTVRF](#)
- [IOSXE_MLP](#)
- [IOSXE_OIR](#)
- [IOSXE_PEM](#)
- [IOSXE_PLATFORM](#)
- [IOSXE_QFP](#)
- [IOSXE_RP_ALARM](#)
- [IOSXE_RP_CFG_NOT](#)
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- [IOSXE_RP_IF_FLOW_IDS](#)

IOSXE_MGMTVRF

%IOSXE_MGMTVRF-3-PROCESS_CREATE_FAIL : Management VRF process creation failed, [chars]

Explanation Can not create IOS process for mgmt port init

%IOSXE_MGMTVRF-3-PROCESS_CREATE_FAIL : Management VRF process creation failed, [chars]

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.
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%IOSXE_MGMTVRF-3-VRF_CREATE_FAIL : Management VRF creation failed [chars]

Explanation	Can not create mgmt vrf during system init
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_MGMTVRF-3-AFI_ATTACH_FAIL : Management VRF AFI [chars] attach failed

Explanation	Can not create afi subblock for mgmt vrf
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_MGMTVRF-3-INTF_ATTACH_FAIL : Management VRF attach to mgmt [chars] failed

Explanation	Can not associate mgmt port to mgmt vrf
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_MGMTVRF-3-SET_TABLEID_FAIL : Installing [chars] Management interface tableid [hex] failed

Explanation	Fail to set mgmt port tableid into Linux kernel
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_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

Explanation	MLP link database error. Removal of entry from MLP link database has failed.
Recommended Action	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

Explanation	MLP link database error. Memory chunk free of 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_ALLOC_FAIL : MLP link db allocation failed

Explanation	MLP link database error. Memory chunk creation for MLP link database 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_DESTROY_FAIL : MLP link database destroy failed

Explanation	MLP link database error. Memory chunk destroy has failed for MLP link database.
Recommended Action	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]**

Explanation	The OIR facility detected the insertion of a card in the slot number specified in the message.
Recommended Action	No action is required.

%IOSXE_OIR-6-REMCARD : Card ([chars]) removed from [chars]slot [chars]

Explanation	The OIR facility detected the removal of a card from the slot number specified in the message.
Recommended Action	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 SFP 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 SFP 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**

Explanation	The platform detected the insertion of a power/fan module in the slot number specified in the message.
Recommended Action	No action is required.

%IOSXE_PEM-6-REMPER_FM : PEM/FM [chars] removed

Explanation	The platform detected the removal of a power/fan module in the slot number specified in the message.
Recommended Action	No action is required.

%IOSXE_PEM-6-PEMOK : The PEM in [chars] is functioning properly

Explanation	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
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_PEM-3-PEMFAIL : The PEM in [chars] is switched off or encountering a failure condition.

Explanation	The PEM hardware has been either switched off, or is reporting a failure condition.
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_PEM-6-FANOK : The fan in [chars]/[dec] is functioning properly

Explanation	The fan was reporting a failure condition. This message indicates that the fan is no longer reporting a failure
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%IOSXE_PEM-6-FANOK : The fan in [chars]/[dec] is functioning properly

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.
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%IOSXE_PEM-3-FANFAIL : The fan in [chars]/[dec] is encountering a failure condition

Explanation	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.
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_PEM-3-PEMCHASFSERR : The PEM in [chars] has encountered a system software error.

Explanation	The PEM's underlying software for storing PEM state is not working properly.
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_PEM-3-TEMPERATURE_RAISE : Sensor [chars] has reached maximum temperature value, Leads to shutdown the system

Explanation	The Temperature sensor reaching maximum threshold value working properly.
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_PEM-3-FAN_FAIL_SHUTDOWN : More than one [chars] has failed, Leads to shutdown the system

Explanation	The Temperature sensor reaching maximum threshold value working properly.
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%IOSXE_PEM-3-FAN_FAIL_SHUTDOWN : More than one [chars] has failed, Leads to shutdown the system

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.
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%IOSXE_PEM-3-SSFP_TEMPERATURE_RAISE : [chars] transceiver temperature reached threshold value, Leads to shutdown the system

Explanation	The Temperature sensor reaching maximum threshold value working properly.
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_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).

Explanation	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.
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_PEM-3-PEMREDNOPWR : Cannot enable power redundancy mode [chars] because config would create mode with insufficient [chars] power

Explanation	Configuration set by user is not valid as power supplies in the active slots do not contain enough power to meet the power requirements
Recommended Action	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_PLATFORM**%IOSXE_PLATFORM-3-WDC_INVALID_LENGTH : WDC length can not be determined: [dec]**

Explanation	WDC length was not retrieved properly
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%IOSXE_PLATFORM-3-WDC_INVALID_LENGTH : WDC length can not be determined: [dec]

Recommended Action Check if WDC is programmed on this device

%IOSXE_PLATFORM-3-WDC_NOT_FOUND : WDC returned length: [dec]

Explanation WDC length was set to 0, which specifies probably WDC does not exist
Recommended Action Check if WDC is programmed on this device

%IOSXE_PLATFORM-3-WDC_TLV_NOT_FOUND : WDC TLV could not be read from the Quack device

Explanation WDC TLV couldn't be read from the Quack device
Recommended Action Check if WDC is programmed on this device

IOSXE_QFP

%IOSXE_QFP-2-LOAD_EXCEED : Slot: [int], QFP:[int], Load [int]#[hex]ceeds the setting threshold.

Explanation QFP Load exceeds setting threshold.
Recommended Action Monitor the traffic load.

%IOSXE_QFP-2-LOAD_RECOVER : Slot: [int], QFP:[int], Load [int]%% recovered.

Explanation QFP Load recovered.
Recommended Action No action required (normal operation).

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 Action No action is required.

%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 Action No action is required.

%IOSXE_RP_ALARM-2-ESP : [chars] [chars] [chars]: [chars] [chars]

Explanation

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.

%IOSXE_RP_CFG_NOT-3-MSGNOCAND : Can not construct a candidate entry for configuration export

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.
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%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.
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-MSGNOREPLMSG : Can not construct a replace 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.
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-2-MSGNOEXP : Can not construct a '[chars]' message for configuration export: [chars]

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-2-MSGTDLINITERORR : Configuration Notification messaging module initialization failed: Unable to initialize messaging: [chars]

Explanation 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.

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-2-MSGTDLERROR : Error processing TDL message. [dec]

Explanation An unexpected condition in which IOS has received a TDL message which it can not 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_CFG_NOT-2-MSGIPCINITERORR : Error initializing IPC queue

Explanation An unexpected condition in which IOS could not initialize a message queue to the PSD.

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-MSGIPCTXERROR : IPC transmit error. [dec]

Explanation	An unexpected condition in which IOS encountered an error trying to send a message to another process. %d
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-MSGOBNUL : An unexpected condition in which IOS has received a null pointer that it expects to be non-null.

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-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]

Explanation	Unable to get local FRU location
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_INVALID : Unknow FRU location: [chars]

Explanation	Unknown FRU location
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-BOOT_VAR_NOT_SET : Boot variable either does not exist or buffer is too small. Keeping it blank.

Explanation	Boot variable either does not exist or buffer is too small. Not able to set boot variable. Ignoring it.Aborting reload.
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%IOSXE_RP_CFG_NOT-3-BOOT_VAR_NOT_SET : Boot variable either does not exist or buffer is too small. Keeping it blank.

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.
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%IOSXE_RP_CFG_NOT-3-BOOT_IMAGE_NOT_FOUND : Primary image is not found, the system is going to reload as per user request.

Explanation	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.
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-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])

Explanation An unexpected condition has occurred that lookup 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-IDXDELETIONFAILED : Deletion of datapath IDB index from the database failed ([chars] - [hex]) rc [dec]

Explanation An unexpected condition has occurred that deletion 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-NOHWSUBBLOCK : HWIDB [chars] does not have a hardware subblock

Explanation	An unexpected condition has occurred that no hardware subblock was previously allocated for a HWIDB.
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-NOSWSUBBLOCK : SWIDB [chars] does not have a software subblock

Explanation	An unexpected condition has occurred that no software subblock was previously allocated for a SWIDB.
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.
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%IOSXE_RP_DPIDB-3-IDBEXIST : Datapath IDB already exists in this mapping entry: [chars]-[dec]

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]

Explanation Failure in some datapath ID RF activity.

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-CF : Datapath IDB CF operation failed - [chars]

Explanation Failure in some datapath ID CF activity.

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-RPC : Datapath IDB RPC operation failed - [chars]

Explanation	Failure in some datapath ID RPC activity.
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-REGISTRATION : ISSU [chars] failed for [chars]; [chars]

Explanation	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.
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-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]

Explanation The ISSU negotiation with the peer failed to start for either the CF or IPC transport 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-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

%IOSXE_RP_DPIDB-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.

%IOSXE_RP_DPIDB-6-RELOAD : [chars], reloading [chars]

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.
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%IOSXE_RP_DPIDB-3-DECODE : Decode via [chars] of [chars] failed

Explanation	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.
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-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 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.
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-BULK_SYNC : Failed to send [chars] information to peer

Explanation	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.
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-DYN_SYNC : Failed to process [chars] dynamic state

Explanation	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.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Issue the show interfaces 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-6-TIMEOUT : Bulk sync is flow controlled by [chars]

Explanation	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.
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-IDBNOTVAI : Invalid API call for [chars]

Explanation	Failure in an internal API
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-NULLTIMER : NULL timer

Explanation	A timer is NULL
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%IOSXE_RP_DPIDB-3-NULLTIMER : NULL timer

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-LIST : List [chars] failed for [chars]

Explanation List enqueue or removal 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-FASTNOTIFY : Fast notify failed for [chars]

Explanation A fast notify message 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-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.
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.
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%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.

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.

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.

Explanation 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.

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-4-DEF_LIST_REMOVE : Failed to remove one entry from the Deferred Sync list, for the [chars] CF client.

Explanation An unexpected condition occurred during list maintenance.

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_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.

Explanation	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.
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_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.

Explanation	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.
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_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 relevent SSO state to enable HA switchover.
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%IOSXE_RP_IF_FLOW_IDS-3-RF_PROCESS_FAILED : This [chars] RF client Failed to create the Bulk Sync 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_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.

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]

Explanation 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.

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-ISSU_OP : [chars] [chars] failed; [chars]

Explanation An operation pertaining to the ISSU support for SPA MARMOT IDs failed to complete using the CF 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_IF_FLOW_IDS-3-TRANSFORM : [chars] of [chars] via CF failed

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_IF_FLOW_IDS-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 CF 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_IF_FLOW_IDS-3-NEGOTIATION : Failed to start ISSU [chars] session negotiation; [chars]

Explanation The ISSU negotiation with the peer failed to start for either the CF or IPC transport 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_IF_FLOW_IDS-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

%IOSXE_RP_IF_FLOW_IDS-3-DECODE : Decode via CF of [chars] failed

Explanation 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.

%IOSXE_RP_IF_FLOW_IDS-3-DECODE : Decode via CF of [chars] 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.
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%IOSXE_RP_IF_FLOW_IDS-3-RECEIVE : Client reports message CF 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 CF 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_MGMTE through IOSXE_TIMESTAMP_ENGINE

- [IOSXE_RP_MGMTE](#)
- [IOSXE_RP_NV](#)
- [IOSXE_RP_SPA](#)
- [IOSXE_RP_VTYMGT](#)
- [IOSXE_SERVICE_ENGINE](#)
- [IOSXE_SIP_SPA](#)
- [IOSXE_SPA](#)
- [IOSXE_SYS_INFRA](#)
- [IOSXE_THROUGHPUT](#)
- [IOSXE_TIMESTAMP_ENGINE](#)

IOSXE_RP_MGMTE

%IOSXE_RP_MGMTE-3-MSGCREATENULL : Cannot allocate [chars] TDL message

Explanation	An unexpected condition in which IOS cannot allocate TDL message for Management ethernet.
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%IOSXE_RP_MGMTE-3-MSGCREATENULL : Cannot allocate [chars] TDL 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.
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%IOSXE_RP_MGMTE-3-MSGDLINITERORR : Management ethernet interface messaging module initialization failed: Unable to initialize messaging: [chars]

Explanation	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.
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_MGMTE-3-PROCESS_CREATE_FAIL : Management ethernet statistics process creation failed

Explanation	Can not create IOS process for RP management ethernet port statistics collection
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_MGMTE-3-MGMT_MAC_MODIFY_FAIL : Management ethernet interface mac address modification failed

Explanation	Can not override mac-address for management ethernet 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.

IOSXE_RP_NV**%IOSXE_RP_NV-3-NV_ACCESS_FAIL : Initial read of NVRAM contents failed**

Explanation	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.
Recommended Action	LOG_STD_ACTION

%IOSXE_RP_NV-3-BACKUP_NV_ACCESS_FAIL : Initial read of backup NVRAM contents failed

Explanation	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.
Recommended Action	LOG_STD_ACTION

IOSXE_RP_SPA**%IOSXE_RP_SPA-3-SEND_NGIO_MSG_FAIL : NGIO Module message send failed for slot [dec] subslot [dec]**

Explanation	Failed to send ngio msg to iomd.
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-MAC_FILTER_ADD_FAIL : All the available [dec] mac filters for [chars] have been consumed. Failed to add [enet] for interface [chars]

Explanation	The hardware cannot support any more filters.
Recommended Action	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]

Explanation	Failed to send ngio L2 header to iomd.
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%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]

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-INVALID_PORT_NUM : slot=[dec] port=[dec], hwidbType=[hex], max_port_num=[dec], LcType=[hex]

Explanation The port number 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.

%IOSXE_RP_SPA-4-SPA_RESP_CMD_MISMATCH : [chars]: Expecting response to interface configuration command [int] but received response to command [int].

Explanation An internal synchronization 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 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].

Explanation When inserting a SPA on this carrier card, the card is reset.

Recommended Action No action is required.

%IOSXE_RP_SPA-6-CTRLRSWITCH : switching controller type from [chars]([dec]) to [chars]([dec]) for subslot [int]/[int].

Explanation 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.

Recommended Action 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

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_PARSE_ERR : Error parsing logger message: [chars] from subslot [int]/[int]

Explanation The SPA module passed down a logger message that could not be parsed.

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-BAD_IFCOMTYPE : Bad ifcom message type=[int]

Explanation A SPA module passed down a message that the RP software was not prepared to handle.

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-IPCFAILED : IPC failed to send RPC message to SPA module

Explanation The RP failed to send an RPC message via IPC to a SPA module.

Recommended Action No action is required.

%IOSXE_RP_SPA-3-FOREVER : cmd [int] to [chars] (slot [int]/[int]) took [int]secs, done [hex]

Explanation A CCB 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-SEMAHOG : Process [dec] ([chars]) hogging [chars]! calling proc [dec] ([chars])

Explanation	The RP waited too long for a reply to a command sent to a SPA module.
Recommended Action	No action is required.

%IOSXE_RP_SPA-3-IPCPORTFAIL : Failed to open IPC port '[chars]' with error [chars]

Explanation	The RP failed to open a port for communication with a SPA module.
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-CCB_PLAYBACK_ERROR : CCB playback failed for slot [dec].

Explanation	The High Availability component for SPA modules failed to synchronize some new state information for the specified slot.
Recommended Action	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].

Explanation	The High Availability component for SPA modules failed to record some new state information for the specified slot.
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-IPCSENDFAIL : Failed to send IPC message [chars]

Explanation	The RP failed to send a message to a SPA module.
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_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]

Explanation	The High Availability component for SPA modules failed to synchronize some new state information for the specified slot.
Recommended Action	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].

Explanation	The High Availability component for SPA modules failed to synchronize some new state information for the specified slot.
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_RECORD_ERROR : Interface Configuration command [int] record failed for slot [int]/[int].

Explanation	The High Availability component for SPA modules failed to record some new state information for the specified slot.
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-INCR_CFG_SYNC_FAIL : [chars] incremental running-config sync for [[dec]/[dec]] failed - [chars]([dec]) , Reload Standby

Explanation	The specified IOSXE incremental running-config sync failed
Recommended Action	Power cycle the redundant supervisor

%IOSXE_RP_SPA-3-IPCPORT : Failed to [chars] IPC port '[chars]', error [chars]

Explanation	The Linecard failed to create a port for communication with the Route Processor (IOSXE-RP).
Recommended Action	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]

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-MISSING_SPA_PKG_ERR : sipspa[chars] package is not installed for slot = [dec] and subslot = [dec], SPA bootup failed.

Explanation This message is displayed when attempting to bootup a SPA without installing a subpackage required for the same.

Recommended Action 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.

Explanation This message is displayed when attempting to bootup any service SPA in router running non K9 image, i.e., non-crypto image.

Recommended Action 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].

Explanation 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 immediately after switchover.

Recommended Action 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]

Explanation	License registration 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_VTYMGT**%IOSXE_RP_VTYMGT-3-MSGDISPATCHNULL : Received NULL TDL message**

Explanation	An unexpected condition in which IOS has received a NULL TDL 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-MSGDISPATCH : Unable to dispatch received TDL messages for Vty Management

Explanation	An unexpected condition has occurred while IOS is trying to dispatch to the TDL message handler functions for received TDL messages 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-MSGMISSINGFIELD : Missing field '[chars]' in TDL Vty Management message '[chars]' received

Explanation	A message missing a required field was received 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-MSGINVALIDFIELDINT : Invalid field '[chars]' in TDL message '[chars]' received: value '[int]' for Vty Management

Explanation	A message with an invalid field value was received 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-MSGINVALIDFIELDSTR : Invalid field '[chars]' value '[chars]' in TDL message '[chars]' received for Vty Management

Explanation	A message with an invalid field value was received 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-MSGERROR : Error '[dec]' handling a received TDL message '[chars]' for Vty Management: [chars]

Explanation	An unexpected condition has occurred while IOS is processing a received Vty Management TDL 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_VTYMGT-3-MSGBUILDERROR : Error '[dec]' building TDL Vty Management message '[chars]': [chars]

Explanation	An unexpected condition has occurred while IOS is building 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-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])**

Explanation	During the creation of a Service-Engine interface, it is necessary to program the system parameters in the driver. The driver cannot be opened.
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_SERVICE_ENGINE-3-MSGSETFAIL : Set id on interface [chars] ([dec])

Explanation	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.
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_SERVICE_ENGINE-3-MSGINITFAIL : Initialization of interface [chars] failed

Explanation	The initialization of the interface mentioned in the error message has 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_SIP_SPA**%IOSXE_SIP_SPA-3-HWIDB_FAILURE : Creation: port [dec] vc [dec]**

Explanation	Failed to create a hwidb.
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_SIP_SPA-3-DEVICE_ERROR : subSlot [dec], spatype [hex]. Device error: [chars]

Explanation	An error related to a device on the SPA 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.

%IOSXE_SIP_SPA-3-ISR_RC_ERROR : ISR return code out of range. rc=[dec]

Explanation	The ISR error return code 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.

%IOSXE_SIP_SPA-3-SPA_INTF_ID_CC_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_SIP_SPA-4-SPABUS : Subslot [dec], [chars] SPA BUS access failed. timeout=[int] err=[int] par=[int] err_c=[hex] addr=[hex] data=[hex]

Explanation	SPABUS has reported an 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_SIP_SPA-4-SPABUS2 : Subslot [dec] SPA BUS access failed. No SPA present error

Explanation	SPABUS has reported an error.
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%IOSXE_SIP_SPA-4-SPABUS2 : Subslot [dec] SPA BUS access failed. No SPA present 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.
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%IOSXE_SIP_SPA-6-OIR : Bay [dec] [chars] changed to [chars]

Explanation	SPA OIR Sequence
Recommended Action	No action is required.

%IOSXE_SIP_SPA-4-MAX_BANDWIDTH : Total SPA bandwidth exceeds line card capacity of [int] Mbps

Explanation	The total bandwidth of SPAs exceeds the rated capacity of this line card.
Recommended Action	Refer to the line card guidelines for the maximum allowed aggregated SPA bandwidth for the line card

%IOSXE_SIP_SPA-4-MAX_BANDWIDTH_NS : Total SPA bandwidth exceeds line card capacity, full utilization of installed SPA interfaces is not supported

Explanation	The total bandwidth of SPAs exceeds the rated capacity of this line card.
Recommended Action	Refer to the line card guidelines for the maximum allowed aggregated SPA bandwidth for the line card

%IOSXE_SIP_SPA-3-POWER : Bay [dec] 12V power is [chars]

Explanation	SPA 12V power fault indicator
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_SIP_SPA-3-SPI4_INIT_FAILURE : Bay [dec] initialization failure

Explanation	Failed to create SPI4 subblock
Recommended Action	Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . If you still require assistance, LOG_STD_ACTION

%IOSXE_SIP_SPA-3-MESSAGE_ERROR : Bay [dec]: [chars]

Explanation An unexpected error has occurred.**Recommended Action** Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl. If you still require assistance, LOG_STD_ACTION

%IOSXE_SIP_SPA-3-SPI4_CONFIG_FAILURE : Bay [dec], spi4 configuration failure, error [dec]

Explanation Failed to configure SPI4 interface**Recommended Action** Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl. If you still require assistance, LOG_STD_ACTION

%IOSXE_SIP_SPA-3-SPI4_NOTSYNC : [chars]: Can not synchronize SPI4 bus (host: src [chars]in sync, sink [chars]in sync, spa: src [chars]in sync, sink [chars]in sync).

Explanation SPI4 bus between modular services card and SPA is not synchronized. It indicates either a not properly seated SPA, a hardware failure or an outdated ROMMON/FPGA image.**Recommended Action** Ensure that the SPA is properly seated in its subslot and reseal it if required.

%IOSXE_SIP_SPA-3-SPA_CTRL_INIT_FAILURE : Subslot [dec], spa controller initialisation failure, error [dec]

Explanation Failed to initialise SPA controller**Recommended Action** Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl. If you still require assistance, LOG_STD_ACTION

%IOSXE_SIP_SPA-3-SPA_CTRL_EFC_CONFIG_FAILURE : Subslot, spa controller EFC configuration failure, error [dec]

Explanation Failed to configure SPA controller EFC**Recommended Action** Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl. If you still require assistance, LOG_STD_ACTION

%IOSXE_SIP_SPA-3-FCI_NOT_SET : Bay [dec] - FCI type not set

Explanation	An FCI type of zero was detected
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_SIP_SPA-3-EFC_CHAN_ERR : EFC error - interface [chars], vc [dec], anyphy [dec], err_code [dec] : [chars]

Explanation	Failed to configure efc channel/parameters
Recommended Action	Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . If you still require assistance, LOG_STD_ACTION

%IOSXE_SIP_SPA-3-INVALID_ANYPHY : Bay [dec] - Invalid anyphy number [int] for vc [dec]

Explanation	Interface has invalid anyphy number
Recommended Action	Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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. Be sure to provide the the information you have gathered and a 'show tech-support' to your support representative, or attach it to your case in non-zipped, plain text format (.txt).

%IOSXE_SIP_SPA-3-LINKREC_ERROR : Link record error - Bay [dec] vc [dec], error code [dec]

Explanation	Error processing link record structure
Recommended Action	Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . 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. Be sure to provide the the information you have gathered and a 'show tech-support' to your support representative, or attach it to your case in non-zipped, plain text format (.txt).

%IOSXE_SIP_SPA-3-SONET_CLOCK_FAILED : SPA Sonet clock has failed (status = [hex])

Explanation	The SPA SONET clock has failed. SPAs that rely on the SPA SONET clock for proper operation, such as POS and ATM will be affected.
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%IOSXE_SIP_SPA-3-SONET_CLOCK_FAILED : SPA Sonet clock has failed (status = [hex])

Recommended Action	If the SPA Sonet clock does not recover, perform an OIR. LOG_STD_RECUR_ACTION
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%IOSXE_SIP_SPA-3-SONET_CLOCK_RECOVERED : SPA Sonet clock has recovered (status = [hex])

Explanation	SPA Sonet clock has recovered
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Recommended Action	No action is required.
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%IOSXE_SIP_SPA-3-INVALID_IF : Attempted to access HWIDB for port [int] on slot [dec] subSlot [dec]

Explanation	The ASR1000 attempted to access the HWIDB associated with a non-existent port.
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Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.
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%IOSXE_SIP_SPA-3-ASR1000IPCALLOCFAIL : Failed to allocate Common IPC buffer [chars]

Explanation	The Carrier Card failed to allocate a buffer for communication with the Route Processor.
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Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.
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%IOSXE_SIP_SPA-3-CMDNOINT : HWIDB Null for command [dec], port [hex]

Explanation	The Route Processor passed down a port number that is unknown on the carrier card.
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Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.
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%IOSXE_SIP_SPA-3-EFC_FC_MAP_FAIL : Failed to update EFC flow control identifier for interface [chars] (status = [dec])

Explanation	The SPA driver is not able to update the datapath EFC flow control identifier for the interface specified in the message. This indicates a hardware error.
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Recommended Action	No action is required.
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%IOSXE_SIP_SPA-3-EFC_PROV_FAIL : Failed to provision EFC for interface [chars] (status = [dec])

Explanation The SPA driver is not able to provision EFC for the interface specified in the message. This indicates a hardware error.

Recommended Action No action is required.

%IOSXE_SIP_SPA-3-EFC_UNPROV_FAIL : Failed to unprovision EFC for VC [chars] (status = [dec])

Explanation The SPA driver is not able to unprovision EFC for the interface specified in the message. This indicates a hardware error.

Recommended Action No action is required.

%IOSXE_SIP_SPA-3-C2W_MAIN_INIT_FAIL : Failed to initialize SPA main c2w bus for subslot [dec] (status = [dec])

Explanation The SPA driver is not able to initialize SPA main c2w. This indicates a hardware error.

Recommended Action No action is required.

%IOSXE_SIP_SPA-3-NETCLK_FAIL : Failed to [chars] SPA reference clock on [chars]

Explanation The SPA driver is not able to correctly configure the SPA reference clock on the specified interface. This indicates a hardware error.

Recommended Action No action is required.

%IOSXE_SIP_SPA-3-LVLTRTOOBIG : Loveletter length exceeds max, [int] bytes

Explanation The ASR1000-SIP line card attempted to send a large message to the Route Processor (ASR1000-RP).

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-NODISPATCH : Dispatch vector Null, cmd=[dec], dintf=[dec]

Explanation No command dispatch vector was found for the specified interface.

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-BADMALUCMD2 : Unsupported MALU cmd/arg0=[hex][hex], arg1arg2=[hex][hex], hwidb=[chars]

Explanation The Route Processor (ASR1000-RP) passed down a command that the software was not prepared to handle.

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-BADMALUCMD : Unsupported MALU command [dec], arg=[hex], pascb=[hex]

Explanation The Route Processor (ASR1000-RP) passed down a command that the software was not prepared to handle.

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-BAD_IFCOMTYPE : Bad ifcom message type=[int]

Explanation The Route Processor (ASR1000-RP) passed down a message that the software was not prepared to handle.

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-IPCSENDFAIL : Failed to send IPC message [chars]

Explanation The Linecard failed to send a message to the Route Processor (ASR1000-RP).

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-IPCALLOCFAIL : Failed to allocate IPC buffer [chars]

Explanation The SPA failed to allocate a buffer for communication with the Route Processor (ASR1000-RP).

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-IPCPORTFAIL : Failed to open IPC port '[chars]' [chars] with error [chars]

Explanation The RP failed to open a port for communication with a SPA module.

%IOSXE_SIP_SPA-3-IPCPORTRFAIL : Failed to open IPC port '[chars]' [chars] with error [chars]

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.
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%IOSXE_SIP_SPA-3-IPCPORTR : Failed to [chars] IPC port '[chars]', error [chars]

Explanation	The Linecard failed to create a port for communication with the Route Processor (ASR1000-RP).
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-FAST_NOTIFY_ERROR : Failed to send fast notification to [chars] for [chars] [chars].

Explanation	The SPA driver failed to deliver a fast notification.
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_SIP_SPA-6-LOGGERMSGTOOBIG : Logger message length ([int] bytes) exceeds the maximum allowed size

Explanation	The carrier card attempted to send a large message to the Route Processor
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_SIP_SPA-3-FRR_CFG_FAIL : Failed to configure fast reroute on [chars]: [chars].

Explanation	The SPA driver failed to configure fast rerouting on an 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.

%IOSXE_SIP_SPA-3-APS_CFG_FAIL : Failed to configure APS on [chars]: [chars].

Explanation	The SPA driver failed to configure APS on an 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.

%IOSXE_SIP_SPA-3-APS_PGP_FAIL : APS PGP Message send failed toslot/tobay [dec]: [dec].

Explanation	APS PGP between working and protect has 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_SIP_SPA-3-MDR_BACKUP_FAIL : Minimal Disruptive Restart backup failed for slot [int], bay [int]; reason ([chars])

Explanation	The SPA driver could not backup data required for Minimal Disruptive Restart process. The Minimal Disruptive Restart process for the SPA may be terminated as a consequence.
Recommended Action	The Minimal Disruptive Restart backup is stored in RP harddisk or Bootflash. If sufficient space is available on these devices, copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-MDR_BACKUP_OPEN_FAIL : Failed to open Minimal Disruptive Restart backup for slot [int], bay [int], type [dec]; reason ([chars])

Explanation	The SPA driver could not open Minimal Disruptive Restart backup file. The Minimal Disruptive Restart process may be terminated as a consequence.
Recommended Action	The Minimal Disruptive Restart backup is stored in RP harddisk or Bootflash. If sufficient space is available on these devices, copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-MDR_BACKUP_WRITE_FAIL : Failed to write [dec] bytes to Minimal Disruptive Restart backup[chars] for slot [int], bay [int], type [dec]; reason ([chars])

Explanation	The SPA driver could not write to Minimal Disruptive Restart backup file. The Minimal Disruptive Restart process may be terminated as a consequence.
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%IOSXE_SIP_SPA-3-MDR_BACKUP_WRITE_FAIL : Failed to write [dec] bytes to Minimal Disruptive Restart backup[chars] for slot [int], bay [int], type [dec]; reason ([chars])

Recommended Action The Minimal Disruptive Restart backup is stored in RP harddisk or Bootflash. If sufficient space is available on these devices, copy the error message exactly as it appears, and report it to your technical support representative.

%IOSXE_SIP_SPA-3-MDR_BACKUP_READ_FAIL : Failed to read [dec] from Minimal Disruptive Restart backup for slot [int], bay [int], type [dec]; reason ([chars])

Explanation The SPA driver could not read from Minimal Disruptive Restart backup file. The Minimal Disruptive Restart process may be terminated as a consequence.

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_SIP_SPA-3-MDR_CONFIG_REPLAY : Configuration replay failed during Minimal Disruptive Restart for slot [int], bay [int]; reason ([chars])

Explanation The SPA driver failed to process config replay during Minimal Disruptive Restart. The Minimal Disruptive Restart process may be terminated as a consequence.

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_SIP_SPA-3-SPA_ETHER_SUSPEND_ERROR : SPA ETHER process suspended too long; totally for [dec] milliseconds

Explanation The SPA ETHER process is not able to write to ezman as ezman is blocked for writes. Copy the error message exactly as it appears and report it to your technical support representative.

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_SPA

%IOSXE_SPA-3-CREATION_FAILURE : slot=[dec] subslot=[dec], spa_type=[hex], lc_type=[hex].

Explanation Failed to create a SPA object.

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-SPA_CREATION_FAILURE : slot=[dec] subslot=[dec], PID=[chars] lc_type=[hex].

Explanation Failed to create a SPA object.

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-NULL_VFT : [chars] virtual function table is not initialized. spaType=[hex]

Explanation A required function table is not initialized

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-NULL_VFUNC : [chars] vector is not initialized. spaType=[hex]

Explanation A required function vector is not initialized

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-MEM_ALLOC_ERROR : [chars]

Explanation	Memory allocation 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.

%IOSXE_SPA-3-NULL_SPA_PTR :

Explanation	Pointer to a SPA object is NULL.
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-NULL_BAY_PTR :

Explanation	Pointer to SPA bay is NULL.
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-INVALID_SLOT_NUM : slot= [dec], max slot = [dec]

Explanation	An invalid slot number is specified in one of the internal APIs.
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-INVALID_SUBSLOT_NUM : subslot= [dec], max subslot = [dec]

Explanation	An invalid subslot number is specified in one of the internal APIs.
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-INVALID_DB_NUM : db = [dec], max db = [dec], db intf = [dec], max db intf = [dec]

Explanation	An invalid daughter board number is specified in one of the internal APIs.
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-INVALID_RP_SLOT_NUM : slot= [dec], max slot = [dec]

Explanation	An invalid RP slot number is specified in one of the internal APIs.
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-INVALID_CPU_NUM : cpu= [dec], max cpu = [dec]

Explanation	An invalid CPU number is specified in one of the internal APIs.
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-INVALID_SLOTUNIT_NUM : cardwide-port = [dec], max cardwide-port = [dec]

Explanation	An invalid cardwide-port number is specified in one of the internal APIs.
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-INVALID_INDX_RANGE : index1= [dec], index2= [dec], maxIndex= [dec]

Explanation	An invalid index range is specified in one of the internal APIs.
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-INVALID_IF_INDEX : index= [dec], spaType=[hex], slot [dec] subSlot [dec] slotunit [dec] vc [dec]

Explanation	Index for the interface is not valid.
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-INVALID_DATA_INSTANCE : interface type [chars], slot [dec] port [dec] vc [dec] : [chars]

Explanation	Data required to support the interface is not available.
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-POWER_CYCLE : [chars] occurred on Shared Port Adapter [int]/[int]

Explanation	An error has occurred which will cause the Shared Port Adapter to be power cycled
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-DIAG_CONFIG : [chars] did not complete [dec]/[dec]

Explanation	An error has occurred during diagnostic test.
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-UNSUPPORTED_DATA : Data conversion error ([chars], [hex])

Explanation	An internal software error has occurred when converting the data specified in the message from one representation to another.
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-IPC_FAILURE : IPC failure while [chars]

Explanation	An error has occurred while preparing or sending an IPC message.
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-SENDCFGFAIL : Failed to send configuration for [chars] to carrier-card for subslot=[dec]/[dec]

Explanation	Sending configuration 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-CREATE_TDLH_FAILURE : Failed to create SPA [dec]/[dec] handle

Explanation	Failed to create message handle for SPA communication.
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-DOMAIN_TDLH_FAILURE : [chars], rc = [dec]

Explanation	Failed to bind message handle for SPA communication.
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-SETUP_TDLH_FAILURE : Failed to set the alloc/free handler for SPA [dec]/[dec] handle

Explanation	Failed to set the alloc/free handler for SPA communication.
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-DISPATCH_INIT_TDLH_FAILURE : Failed to initialize dispatch path for SPA [dec]/[dec] handle

Explanation	Failed to initialize dispatch path handle for SPA communication.
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-INVALID_SPA_TDL_CCAPI_USAGE :

Explanation	Incorrect usage of an internal API that should only be used on CC.
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-6-TDLMSG_INCOMPATIBLE : Failed to copy message [chars] to buffer, not allowed for current domain.

Explanation	Failure to marshal a message indicates an incompatibility with the intended recipient.
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-CREATE_TDLMSG_FAILURE : Failed to create [chars] message for [chars].

Explanation	Failed to create/allocate necessary TDL message for SPA communication.
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%IOSXE_SPA-3-CREATE_TDLMSG_FAILURE : Failed to create [chars] message for [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.

%IOSXE_SPA-3-INVALID_HANDLE : Failed to get a valid IPC handle for type [int], slot [dec], subslot [dec].

Explanation The client handle was found to be NULL for the given type/slot/subslot.

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-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 subplot [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_SYS_INFRA

%IOSXE_SYS_INFRA-6-BIPC_READ_ERR : connection read error from [chars], rc [dec], bring down IPC id [dec] for fd [dec] seq [dec]

Explanation	BIPC error during IPC read
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_SYS_INFRA-6-BIPC_READBUF_ERR : process receive buffer error from [chars], rc [dec], bring down IPC

Explanation	BIPC error during IPC read from buffer
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_SYS_INFRA-6-BIPC_DISCONNECT : disconnect by application for [chars], bring down IPC

Explanation	BIPC disconnect requested by 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.

%IOSXE_SYS_INFRA-6-BIPC_WRITE_ERR : write bipc error for [chars], rc [dec], bring down IPC

Explanation	BIPC error during IPC read
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%IOSXE_SYS_INFRA-6-BIPC_WRITE_ERR : write bipc error for [chars], rc [dec], bring down 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.
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%IOSXE_SYS_INFRA-6-BIPC_CREATE : bipc connect succeeded for [chars], ipc_ctl_id [dec], ipc_fd [dec], seq [dec]

Explanation	BIPC connect succeeded
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_SYS_INFRA-3-BIPC_CREATE_FAIL : Failed to open IPC port '[chars]' for service '[chars]' with error [chars].

Explanation	BIPC connect 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_SYS_INFRA-3-BIPC_DISCONNECT_FAIL : Failed to disconnect IPC port '[chars]' for service '[chars]' with error [chars].

Explanation	BIPC disconnect 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_SYS_INFRA-4-BIPC_TX_Q_THRESHOLD : BIPC transmit queue threshold reached for the channel '[chars]': ipc_ctl_id [dec] (ipc_fd [dec], seq_num [dec]), Tx Q size [dec]

Explanation	Large number of unsent IPC messages are queued in a BIPC send buffer
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%IOSXE_SYS_INFRA-4-BIPC_TX_Q_THRESHOLD : BIPC transmit queue threshold reached for the channel '[chars]': ipc_ctl_id [dec] (ipc_fd [dec], seq_num [dec]), Tx Q size [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_SYS_INFRA-4-BIPC_RX_IN_APPL_THRESHOLD : Number of IPC messages held in the application reached the maximum channel threshold. IPC channel '[chars]': ipc_ctl_id [dec] (ipc_fd [dec], seq_num [dec]), curr IPC msg hel in appl [dec]

Explanation Application is holding large number of received IPC messages

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_SYS_INFRA-3-EVLIB_EPOLL_ARGS : evGetPollArgs returned fd [dec]

Explanation Evlib returned a huge FD value that IOS can not handle.

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_SYS_INFRA-6-EOBC_ADDR_CACHE : EOBC ip-table cache: [chars]

Explanation Unable to setup internal address for eobc communication

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_SYS_INFRA-3-EOBC SOCK : Socket event for [chars]

Explanation An internal socket level event has returned an error which is indicated. This may have been the result of a bind, peek, receive or send operation with respect to the EOBC interface listed.

%IOSXE_SYS_INFRA-3-EOBC SOCK : Socket event for [chars]

Recommended Action LOG_STD_SH_CMD_ACTION(show eobc, show platform software infrastructure bipc)

%IOSXE_SYS_INFRA-3-EWRITE_EVENT_FD : Write to [chars] wakeup fd failed, errno [dec], current signal/wakeup cnt: [int]/[int]

Explanation Triggering a thread by writing to its wakeup fd 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_SYS_INFRA-3-EREAD_EVENT_FD : [chars] read from wakeup fd failed, errno [dec]

Explanation A thread reading from its wakeup fd 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_SYS_INFRA-3-EIOS_POLL : IOS thread poll on event lib and wakeup fds failed, errno [dec]

Explanation IOS thread poll on event lib and wakeup fds 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_SYS_INFRA-3-EIOS_EVDISPATCH : IOS scheduler event dispatch failed, ev_ret [dec], errno [dec]

Explanation IOS scheduler event dispatch 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_SYS_INFRA-3-EIOS_EVGETNEXT : IOS scheduler get next event failed, ev_ret [dec], errno [dec]

Explanation	IOS scheduler get next event 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_SYS_INFRA-3-EFP_EVDISPATCH : Fastpath thread event dispatch failed, ev_ret [dec], errno [dec]

Explanation	fastpath thread event dispatch 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_SYS_INFRA-3-EFP_EVGETNEXT : Fastpath thread get next event failed, ev_ret [dec], errno [dec]

Explanation	Fastpath thread get next event 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_SYS_INFRA-3-EFP_EPOLL_WAIT : Fastpath thread epoll wait failed, errno [dec]

Explanation	Fastpath epoll wait 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_SYS_INFRA-3-EFP_TOP_EPOLL_CTL_FAILED : Fastpath thread top level efd epoll [chars] failed, fd [dec], errno [dec]

Explanation	Fastpath top level efd epoll_ctl operation failed
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%IOSXE_SYS_INFRA-3-EFP_TOP_EPOLL_CTL_FAILED : Fastpath thread top level efd epoll [chars] failed, fd [dec], errno [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_SYS_INFRA-3-EFP_IPC_EPOLL_CTL_FAILED : Fastpath thread [chars][chars] for IPC channel [chars] (ipc id [dec], ipc fd [dec], seqnum [dec]) failed, efd [dec], errno [dec]

Explanation Fastpath epoll_ctl operation for an IPC channel 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_SYS_INFRA-3-EFP_IPC_EPOLL_NO_IPC_ENTRY : IPC entry not found for ipc fd [dec], seq [dec], events [hex] while processing [chars] from epoll fd [dec]

Explanation Fastpath failed to find IPC entry after epoll_wait

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_SYS_INFRA-6-FP_IPC_DISCONNECT : IPC channel disconnect for [chars], ipc_ctl_id [dec], fd [dec], seq_num [dec], loc [chars], err [dec] ([chars])

Explanation An IPC channel in fastpath is terminated

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_SYS_INFRA-6-IPCS_CTL_DESTROY : IPC control blk destroy: name [chars], ipc_ctl_id [dec], refcout [dec], need_free [dec]

Explanation An IPC control block is requested to be destroyed

%IOSXE_SYS_INFRA-6-IOS_IPC_CTL_DESTROY : IPC control blk destroy: name [chars], ipc_ctl_id [dec], refcount [dec], need_free [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_SYS_INFRA-6-IOS_FREE_IPC_CTL : IPC control blk free: name [chars], ipc_ctl_id [dec], refcount [dec]

Explanation An IPC control block is freed

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_SYS_INFRA-4-BIPC_CLEAR_CONN : IPC channel (fd [dec], seq_num [dec]) for service '[chars]' cleared by user

Explanation BIPC disconnect requested by an user with clear 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_THROUGHPUT

%IOSXE_THROUGHPUT-3-INVALID_CONFIG : No valid license found for the configured throughput level: [chars] kbps

Explanation Users has the boot up throughput set to non-default level without having the valid license.

Recommended Action Install valid throughput license

%IOSXE_THROUGHPUT-3-EULA_NOT_ACCEPTED : The EULA has to be accepted prior to throughput configuration.

Explanation Users need to accept EULA to activate the license

%IOSXE_THROUGHPUT-3-EULA_NOT_ACCEPTED : The EULA has to be accepted prior to throughput configuration.

Recommended Action Accept EULA for throughput license

%IOSXE_THROUGHPUT-3-CONF_FAILED : Configuration failed. Installed license does not support the throughput level. Please install the valid license

Explanation An error occurred when the throughput configuration was attempted.

Recommended Action

%IOSXE_THROUGHPUT-3-INVALID_LEVEL : An invalid throughput level: [chars] kbps was selected.

Explanation The configured throughput level is unknown

Recommended Action

%IOSXE_THROUGHPUT-6-LEVEL : Throughput level has been set to [dec]00000 kbps

Explanation Throughput level has been set to a number

Recommended Action

%IOSXE_THROUGHPUT-3-SETUP_FAILED : Throughput level setup failed. Boot up will be at the default throughput

Explanation An error occurred when licensing tried to setup the throughput

Recommended Action

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])

Explanation	An unexpected condition has occurred at the Interface Module TSU.
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_UPGRADE_ROMMON through IPA

- [IOSXE_UPGRADE_ROMMON](#)
- [IOSXE_USB](#)
- [IOSXE_UTD](#)
- [IOSXE_VMAN](#)
- [IOSXE_WCCP](#)
- [IOSXE_WD](#)
- [IOS_LICENSE_IMAGE_APPLICATION](#)
- [IOXN_APP](#)
- [IP](#)
- [IPA](#)

IOSXE_UPGRADE_ROMMON

%IOSXE_UPGRADE_ROMMON-0-ROMMON_UPGRADE_FAIL : ROMMON upgrade failed: partition [chars]

Explanation	An attempt to upgrade the ROMmon failed.
Recommended Action	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]

Explanation	FIPS 140-3 Related Load test failed for the ROMmon.
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**%IOSXE_UPGRADE_ROMMON-0-ROMMON_LOADTEST_FAIL : ROMMON FIPS_140-3 Load test *FAILED*:
file [chars]**

Recommended Action	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.
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IOSXE_USB

%IOSXE_USB-3-ESHOW_USB : Internal Error locating database for USB Devices.

Explanation	The mcp_usb_devices is incorrect and needs to be changed
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

%IOSXE_UTD-3-ALLOC : Failed to allocate message

Explanation	When attempting to program the dataplane there was not enough memory to allocate the 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_UTD-3-MESSAGE : Failed to send message

Explanation	When the message was being prepared for sending to the data plane, there was an 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_UTD-4-VERSION_INCOMPATIBILITY : UTD package version [chars] does not match recommended UTD package version [chars]

Explanation The UTD package version does not match the recommended UTD package version embedded in this IOS-XE version.

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-2-VERSION_UNSUPPORTED : UTD package version [chars] is not supported, recommended version is [chars]

Explanation The UTD package version does not match the required UTD version embedded in this IOS-XE version. This is an unsupported configuration and may behave unexpectedly.

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_CFG : UTD signature updates have been configured - A brief service interruption at the time of update 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 schedule 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-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.

%IOSXE_UTD-4-SIG_UPDATE_EXEC : UTD signature update has been executed - A brief service interruption 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.
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%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]

Explanation	The container rejected the UTD 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_UTD-4-MT_CONTAINER_SESSION_TIMEOUT : UTD container download has timed out

Explanation	The container did not respond with an up/down status before the session timed out.
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%IOSXE_UTD-4-MT_CONTAINER_SESSION_TIMEOUT : UTD container download 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.
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%IOSXE_UTD-4-MT_CONTAINER_STATUS_DOWN : UTD poll: container status is DOWN

Explanation	The container sent a down status to the poll 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_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.
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%IOSXE_VMAN-3-RSPMSGHDLR : Failed to deliver response message: [chars]

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.
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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.
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

Explanation	An unexpected condition has occurred which is due to an invalid statement in the 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-NOINTF : No [chars] interface info for Service Group ([dec], [dec], [int])

Explanation	An unexpected condition has occurred which is due to the absence of MCP WCCP interface info for the specific service group.
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-UNKNOWNDIR : Unknown [chars] interface direction [hex] for Service Group ([dec], [dec], [int])

Explanation	An unexpected condition has occurred which is due to the unknown direction has been applied to the interface for the service group.
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%IOSXE_WCCP-4-UNKNOWNDIR : Unknown [chars] interface direction [hex] for Service Group ([dec], [dec], [int])

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-NOSTATS : WCCP [chars] message error

Explanation An unexpected condition has occurred which is due to the error in receiving WCCP stats update 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> 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
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]

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-CFGFAIL : [chars] [chars]

Explanation	An unexpected condition resulted into failure to apply auto config
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-PREVOPFAIL : Overriding previous operation ([chars] iox) that is taking longer than [int] secs to complete

Explanation	An unexpected condition resulted in failure to apply iox config
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-MSGFAIL : Message dispatch failure ([chars]).

Explanation	Message could not be dispatched to an application.
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%IOXN_APP-3-MSGFAIL : Message dispatch failure ([chars]).

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.
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%IOXN_APP-6-STARTUP_CONFIG_INFO : [chars]

Explanation	Informational logs for startup config injection.
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-6-STARTUP_CONFIG_CHASSIS_INFO : [chars] [dec]/[chars]/[dec]/[dec]

Explanation	Chassis information at startup config injection.
Recommended Action	No action is required.

%IOXN_APP-3-STARTUP_CONFIG_FAIL : [chars] [chars]

Explanation	Error while creating startup config
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-IPCINITFAIL : [chars]

Explanation	A critical IPC initialization 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.

%IOXN_APP-6-SLOT_NOTIFICATION : [chars] [dec]

Explanation	Slot addition or removal information
Recommended Action	No action is required.

IP

%IP-4-CLASS : Bad IP address and mask [IP_address]%m in class_resolve()

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.

%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-BADSROUTE : Improper source route. Length [dec] Ptr [dec]

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. 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-6-PHYBCASTDROP : Physical broadcast packet detected and dropped, src=[IP_address], dst=[IP_address]

Explanation	Physical broadcast packet was dropped.
Recommended Action	No action is required.

%IP-6-L2MCASTDROP : Layer 2 Multicast packet detected and dropped, src=[IP_address], dst=[IP_address]

Explanation	Layer 2 Multicast packet with Layer3 Unicast Destination was dropped.
Recommended Action	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]

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-5-WEBINST_START : Attempting web install from host [IP_address]

Explanation	A hardware or software error occurred.
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%IP-5-WEBINST_START : Attempting web install from host [IP_address]

Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.
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%IP-5-WEBINST_KILL : Terminating DNS process

Explanation	A hardware or software error occurred.
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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.
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%IP-5-WEBINST_COMP : Selected IP address [IP_address]

Explanation	A hardware or software error occurred.
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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.
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%IP-5-WEBINST_RESP : Sending DNS response to [IP_address] (request was for [IP_address])

Explanation	A hardware or software error occurred.
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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.
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%IP-3-CNTRFULL : IP counter block is full (setting protocol [dec])

Explanation	An internal software error occurred.
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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.
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%IP-5-TURBOACL : [chars]

Explanation	Error occurred in initialisation of TURBOACL.
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]

Explanation The sum of configured secondary addresses and configured proxy addresses exceeds the number of total addresses that the IRDP can support in its implementation.

Recommended Action 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]

Explanation A local pool and a DHCP pool have been configured with the same name. This may cause conflict during address allocations.

Recommended Action 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]

Explanation An excessive number of packets are triggering log messages on this interface

Recommended Action 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]

Explanation An excessive number of packets are triggering log messages on this interface

Recommended Action 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]

Explanation The output interface for this packet is not set

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-NONALIAS : non-alias address [IP_address] in table [chars] found in IP alias list

Explanation 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

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.
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%IP-3-IPTOPOID : Topology ID [hex] is invalid, can't get the base topology ID.

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-SBINIT : Error initializing [chars] subblock data structure. [chars]

Explanation	Initialization of the specified subblock data structure could not be accomplished.
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.

IPA**%IPA-3-PORTCONN : bay [[int]] failed to establish [chars] connection ([hex])**

Explanation	An attempt to establish the console or debugger connection with the channel port adapter 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.

%IPA-3-PORTIOKILL : Port IO [chars] process terminating.

Explanation	Unexpected termination of a port io process.
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%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.
