



ENT_API through GEN_DB

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ENT_API through ESS_FEATURE

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ENT_API**%ENT_API-3-NOCREAT : EntityApiProcess not created - Entity MIB will not be initialised**

Explanation	Attempt to start EntityApiProcess failed when the entity subsystem was initialised. The Entity MIB will not be populated.
Recommended Action	The Entity MIB API process was not created, possibly due to lack of memory. If you want to use the Entity MIB API, reconfigure the box so that less memory is used by other features, or add more memory to the system. Reload the box after reconfiguring.

%ENT_API-4-NOPARENT : Parent physical entity [int] did not exist when trying to add child physical entity [int], phyDescr = [chars], phyName = [chars].

Explanation	An attempt to add a physical entity failed, because its parent physical entity did not exist in the entPhysicalTable of the Entity MIB.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information. Using your NMS tool, also provide the content of the Entity MIB table.

%ENT_API-4-NOLPMAP : [chars] entity not found when adding an LPMapping entry with logical index = [int] and physical index = [int] to the Entity MIB

Explanation	An attempt to add an LPMapping entry to the Entity MIB was made. The logical or physical entity with the specified index does not exist, and so the LPMapping entry creation failed.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information. Using your NMS tool, also provide the content of the Entity MIB table.

%ENT_API-4-NOALIAS : [chars] entity not found when adding an alias with physical index = [int] and logical index = [int] to the Entity MIB

Explanation	An attempt to add an alias entry to the Entity MIB was made. The logical or physical entity with the specified index does not exist, and so the alias entry creation failed.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information. Using your NMS tool, also provide the content of the Entity MIB table.

%ENT_API-4-NOPORT : Physical entity does not have a Port PhysicalClass when adding an alias with physical index = [int], logical index = [int], phyDescr = [chars], phyName = [chars], phyClass = [int], phyContainedIn = [int], to the Entity MIB

Explanation	An attempt to add an alias entry to the Entity MIB was made. The physical entity with the specified index does not have an entPhysicalClass of 10(Port class) and so the alias entry creation failed. See RFC2737 for the definition of the PhysicalClass textual-convention and the aliasMappingEntry object.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information. Using your NMS tool, also provide the content of the Entity MIB table.

%ENT_API-4-NOENT : Trying to add or delete an unknown entity to the Entity MIB

Explanation	An attempt to add/delete an unknown entity to the Entity MIB was made. The request could not be processed.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information. Using your NMS tool, also provide the content of the Entity MIB table.

%ENT_API-4-MULTIPLEREG : Multiple registration request with same entity name = [chars] using entity index [int] and phyDescr = [chars].

Explanation	An attempt to register a physical entity happened and failed, because the same entity name is being used, for which a registration has already been done.
Recommended Action	Need to raise a DDTS with the component responsible for the for the registration to use different entity names for registering different entities.

ENVIRONMENTAL

%ENVIRONMENTAL-3-TDLERROR : 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.

%ENVIRONMENTAL-1-ALERT : [chars], Location: [chars], State: [chars], Reading: [dec] [chars]

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

%ENVIRONMENTAL-6-NOTICE : [chars], Location: [chars], State: [chars], Reading: [dec] [chars]

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

%ENVIRONMENTAL-5-SENSOROK : [chars], Location: [chars], State: normal

Explanation	One of the sensors in the system had been in a failure condition but is now operating normally.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ENVIRONMENTAL-1-SENSORFAIL : [chars], Location [chars], State: fail

Explanation	One of the sensors in the system has detected a failure condition from which it can not recover. This sensor is no longer reporting readings to the environmental monitoring subsystem.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ENVIRONMENTAL-3-CHASFERR : Sensor [chars] on FRU [chars] has an invalid chasfs device state [chars]

Explanation	The system does not understand the state that the sensor is reporting. This is most likely a filesystem corruption or ISSU problem. You may try rebooting the router to see if the problem corrects itself.
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%ENVIRONMENTAL-3-CHASFSERR : Sensor [chars] on FRU [chars] has an invalid chasfs device state [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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%ENVIRONMENTAL-6-INFO : [chars]

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

EPBR_PROXY**%EPBR_PROXY-2-EPBR_MSG_PROXYINIT_FAILURE : EPBR - Failed to register IPC message handler, result code [int]**

Explanation	QFP EPBR feature failed to register an IPC message handler for communication with control plane. This will cause the feature not to function.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%EPBR_PROXY-3-EPBR_MSG_PROXY_UNKNOWN_IPCMMSG : EPBR - Received an unknown type (code [int]), IPC message

Explanation	QFP EPBR feature received an unknown message from another layer of EPBR feature's software stack.
Recommended Action	If this message recurs, copy the error message exactly as it appears on the console or in the system log. Research and attempt to resolve the error using the output Interpreter (https://www.cisco.com/cgi-bin/Support/OutputInterpreter/home.pl). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%EPBR_PROXY-3-EPBR_MSG_PROXY_INVALID_MSGLEN : EPBR - Received an invalid length IPC message

Explanation QFP EPBR feature received an incorrect length of IPC message from another layer of EPBR feature's software stack, m_enum %d, m_subtype %d, m_len %d, m_flags 0x%x, m_source %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.

%EPBR_PROXY-3-EPBR_MSG_PROXY_ALLOC_FAILURE : EPBR - Failed to get [int] bytes space for IPC reply message

Explanation QFP ET-Analytics feature detected buffer allocation failure while sending reply to a message from another layer of EPBR feature's software stack.

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

%EPBR_PROXY-3-EPBR_MSG_PROXY_OPENREPLY_FAIL : EPBR - Failed to open reply message part of IPC packet

Explanation QFP EPBR feature failed to open message part of IPC packet while sending a reply to another layer of EPBR feature's software stack.

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

%EPBR_PROXY-3-EPBR_MSG_PROXY_IPCSEND_FAIL : EPBR - Failed to send IPC message, result code [dec]

Explanation QFP EPBR feature failed to send IPC message to another layer of EPBR feature's software stack.

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

%EPBR_PROXY-3-EPBR_MSG_PROXY_DEBUG_REG_FAILED :

Explanation	EPBR Conditional Debugging 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.

%EPBR_PROXY-4-PROXY_IPC_INVALID_MSG_LEN : [dec]:[dec] len [dec] flags [hex] source [dec]

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

EPC**%EPC-3-MEM_INIT_FAILED : Allocation of [chars] memory failed for EPC**

Explanation	EPC Initialization of channel pool failed.
Recommended Action	LOG_STD_ACTION

%EPC-3-PKT_REPLICA_INIT_FAILED : Register to Generic Packet Replication failed for EPC

Explanation	EPC Initialization of packet replication registration failed.
Recommended Action	LOG_STD_ACTION

EPM**%EPM-6-POLICY_REQ :**

Explanation	This message indicates that a policy application/remove request has been received by the EPM
Recommended Action	No action required

%EPM-6-POLICY_APP_SUCCESS :

Explanation	This message indicates that the displayed policy for the client has been applied successfully by the EPM
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Recommended Action	No action required
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%EPM-4-POLICY_APP_FAILURE :

Explanation	This message indicates that the displayed policy for the client could not be applied by the EPM
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Recommended Action	Policy application failure could happen due to multiple reasons. The reason for the failure is notified to the client and the client has to take appropriate action based on it
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%EPM-6-AAA :

Explanation	This message indicates a download request has been sent/downloaded successfully for the specified dACL
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Recommended Action	No action required
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%EPM-4-ACL_CONFIG_ERROR :

Explanation	This message indicates that adding an ACE to the specified ACL was ignored because of wrong configuration
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Recommended Action	Change ACE configuration for the specified ACL
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%EPM-6-IPEVENT :

Explanation	This message indicates the IP event Wait/Release/Assignment that has occurred with respect to the specified host
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Recommended Action	No action required
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%EPM-6-AUTH_ACL :

Explanation	This message indicates a AUTH_DEF_ACL or AUTH_DEF_ACL_OPEN has been applied or removed
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Recommended Action	No action required
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EPM_PLUGIN**%EPM_PLUGIN-5-ERR_VLAN_NOT_FOUND :**

Explanation	An attempt was made to assign a VLAN to an 802.1x port, but the VLAN was not found in the VTP database.
Recommended Action	Make sure the VLAN exists and is not shutdown or use another VLAN.

EPOCH**%EPOCH-6-EPOCH_REJECTED : Peer [chars] has rejected epoch: [chars]**

Explanation	This error occurs if epoch from shell-manager has been rejected by the peer.
Recommended Action	Check the epoch and peer state.

ERM**%ERM-6-NOTIFY : Owner: [chars](%01x), User: [chars](%01x), Threshold Type: [chars], Level: [chars], Direction: [chars], Limit: [int], Usage: [int], Policy ID: [dec]**

Explanation	A notification has been sent out by the resource owner because of a threshold violation.
Recommended Action	This is just informational message only. This message appears because a threshold has been violated. Do 'show running' and look for the configuration under the mode 'resource manager' and check the thresholds that has been set. This is just a notification that the threshold has been violated - nothing to stop the resource exhaustion is being done here.

ERSPAN**%ERSPAN-3-MEM_INIT_FAILED : Allocation of [chars] memory failed for ERSPAN**

Explanation	ERSPAN Initialization of channel pool failed.
Recommended Action	LOG_STD_ACTION

%ERSPAN-3-PKT_REPLICA_INIT_FAILED : Register to Generic Packet Replication failed for ERSPAN

Explanation	ERSPAN Initialization of packet replication registration failed.
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%ERSPAN-3-PKT_REPLICA_INIT_FAILED : Register to Generic Packet Replication failed for ERSPAN

Recommended Action LOG_STD_ACTION

ESS_FEATURE

%ESS_FEATURE-3-ESF_STUB : CPP ESS per-session feature ([chars]) executes stub entry in [chars] direction

Explanation Cisco internal software error. CPP ESS per-session feature stub entry got executed. The packet will be dropped.

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

%ESS_FEATURE-4-ESF_DROP_POLICY : CPP ESS feature encountered unexpected linktype=[dec]

Explanation Cisco internal software error. CPP ESS per-session feature encountered unexpected linktype when executing output drop 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.

ESS_IPSUB through ETHERNET_PMLACP

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ESS_IPSUB**%ESS_IPSUB-3-ESS_IPSUB_STUB : CPP ESS IPSUB executes stub entry in [chars] direction**

Explanation	Cisco internal software error. CPP ESS IPSUB stub entry got executed. The packet will be dropped.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_IPSUB-3-FSOL_THROTTLE_ERR : Allocation of [chars] memory failed for ESS IP Subscriber

Explanation	Allocation of memory resource demanded by ESS IPSUB FSOL throttle failed. This is a serious problem at the ESS IPSUB FSOL initialization for throttling.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

ESS_PROXY**%ESS_PROXY-2-IPC_THROTTLE_ERR : Allocation of [chars] memory failed for ESS Proxy unsolicited event throttling**

Explanation	Allocation of memory resource demanded by ESS Proxy throttle failed. This is a serious problem at the ESS Proxy IPC initialization for unsolicited event throttling.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_PROXY-2-PROXY_IPC_INIT_FAILED : CPP ESS Proxy IPC interface initialization failure (result: [dec]).

Explanation	Cisco internal software error. CPP ESS Proxy initialization detected that the IPC interface initialization failed. CPP ESS proxy will not be functional while this condition exists.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_PROXY-3-PROXY_BAD_MSG : CPP ESS Proxy received bad length message type [dec]

Explanation	Cisco internal software error. CPP ESS Proxy received a corrupted message from control plane. This message will be ignored.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_PROXY-3-PROXY_INV_MSG : CPP ESS Proxy received invalid message type [dec]

Explanation	Cisco internal software error. CPP ESS Proxy received an invalid message type from control plane. This message will be ignored.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_PROXY-3-PROXY_IPC_ALLOC_FAILED : CPP ESS Proxy [chars] message lost due to message buffer allocation failure., MSGDEF_LIMIT_MEDIUM

Explanation	Cisco internal software error. CPP ESS Proxy message processing detected a message buffer allocation failure. The message is lost as the result of this 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.

%ESS_PROXY-3-PROXY_IPC_SEND_FAILED : CPP ESS Proxy [chars] message lost due to message sent failure (result: [dec]).

Explanation	Cisco internal software error. CPP ESS Proxy message processing detected a message sent failure. The message is lost as the result of this 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.

%ESS_PROXY-3-PROXY_IPC_NO_HDLR : CPP ESS Proxy received unregistered message type [dec]

Explanation	Cisco internal software error. CPP ESS Proxy received a message from control plane but there is no registered handler. The message is lost as the result of this 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.

%ESS_PROXY-2-KA_CHANNEL_ALLOC_FAILED : CPP ESS Proxy Session Keepalive channel creation failure.

Explanation	Cisco internal software error. CPP ESS Proxy Session Keepalive detected that the channel creation failed. CPP ESS proxy session keepalive will not be functional while this condition exists.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_PROXY-2-KA_PKT_REPLICA_REG_FAILED : CPP ESS Proxy Session Keepalive packet replication registration failure (result: [dec]).

Explanation	Cisco internal software error. CPP ESS Proxy Session Keepalive detected that the packet replication registration failed. CPP ESS proxy session keepalive will not be functional while this condition exists.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_PROXY-2-KA_TIMER_INIT_FAILED : CPP ESS Proxy Session Keepalive timer initialization failure.

Explanation	Cisco internal software error. CPP ESS Proxy Session Keepalive detected that the timer initialization failed. CPP ESS proxy session keepalive will not be functional while this condition exists.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_PROXY-2-KA_PKT_TMPL_BFR_ALLOC_FAILED : CPP ESS Proxy Session Keepalive packet template allocation failure ([chars] buffer length: [dec]).

Explanation	Cisco internal software error. CPP ESS Proxy Session Keepalive detected that the packet template buffer allocation failed. CPP ESS proxy session keepalive will not be functional while this condition exists.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

ESS_SWITCH

%ESS_SWITCH-3-ESS_STUB : CPP ESS switching ([chars]) feature executes stub entry in [chars] direction

Explanation	Cisco internal software error. CPP ESS Switching feature stub entry got executed. The packet will be dropped.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ESS_SWITCH-3-STATS_INVALID_PTR : CPP ESS Switching invalid statistics block for session [chars],. MSGDEF_LIMIT_GLACIAL

Explanation	Cisco internal software error. CPP ESS Switching session contains an invalid statistics block. The session statistics is lost.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

ETC

%ETC-4-NOMEM : Not enough memory available for [chars]

Explanation	The PAgP/LACP Shim/EC could not obtain the memory it needed.
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%ETC-4-NOMEM : Not enough memory available for [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/). Issue the show tech-support command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center 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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%ETC-5-NOPAGP : Invalid EC mode, PAgP not enabled

Explanation	PAgP is not included in the image. Cannot set EC mode to desirable/auto
Recommended Action	Get an image with PAgP included or set mode to On

%ETC-5-ERRPROT : Channel protocol mismatch for interface [chars] in group [dec]: the interface can not be added to the channel group

Explanation	The interface can not be added to the channel-group with the specified mode
Recommended Action	Change the channel-group or the mode for the interface

%ETC-5-ERRPROT2 : Command rejected: the interface [chars] is already part of a channel with a different type of protocol enabled

Explanation	The interface can not be selected for the specified protocol, since is already part of a channel with a different type of protocol enabled
Recommended Action	Remove the interface from the channel group

%ETC-5-ERRPROT3 : Command rejected: the interface [chars] is already part of a channel

Explanation	The interface can not be unselected for the specified protocol, since is already part of a channel
Recommended Action	Remove the interface from the channel group

%ETC-5-PORTDOWN : Shutting down [chars] as its port-channel is admin-down

Explanation The administrative state of the port is controlled by the administrative state of its aggregate port. If the administrative state of the aggregate port is down, the administrative state of the port will also be forced to be down

Recommended Action Enter the **no shutdown** command on the aggregate port to activate (unshut) the aggregation port.

%ETC-5-DONTBNL : [chars] suspended: incompatible remote port with [chars]

Explanation The configuration of the remote port is different from the configuration of other remote ports in the bundle. A port can only join the bundle when the configuration of the local port and the configuration of the remote port are the same as other ports already in the bundle.

Recommended Action Ensure that the configuration of the remote ports is the same for all ports in the bundle

%ETC-5-L3DONTBNL1 : [chars] suspended: PAgP not enabled on the remote port.

Explanation PAgP is enabled on an L3 interface, but it has been detected that the remote port does not have PAgP enabled. In this mode, the port is put in a suspended state.

Recommended Action Enable PAgP on remote side

%ETC-5-L3DONTBNL2 : [chars] suspended: LACP currently not enabled on the remote port.

Explanation LACP is enabled on an L3 interface, but it has been detected that the remote port does not have LACP enabled. In this mode, the port is put in a suspended state.

Recommended Action Enable LACP on the remote side

%ETC-5-STAYDOWN : [chars] will remain down as its port-channel [chars] is admin-down

Explanation The administrative state of the aggregation port overrides that of the port. If the aggregation port is administratively down, all ports in the aggregation port will also be forced to be administratively down.

Recommended Action Enter the **no shutdown** command on the aggregation port to activate (unshut) the the aggregation port.

%ETC-5-MINLINKS_NOTMET : Port-channel [chars] is down bundled ports ([dec]) doesn't meet min-links

Explanation	The administrative configuration of minimum links is greater than the number of bundled ports. Therefore this port channel has been brought down
Recommended Action	Reduce the min-links configuration for this group or add more ports to this port-channel to create a bundle.

%ETC-5-MINLINKS_MET : Port-channel [chars] is up as its bundled ports ([dec]) meets min-links

Explanation	The administrative configuration of minimum links is equal or less than the number of bundled ports. Therefore this port channel has been brought up
Recommended Action	This is an informational message only. No action is required

%ETC-5-CANNOT_BUNDLE1 : Port-channel [chars] is down, port [chars] will remain stand-alone.

Explanation	The state of the aggregation port is down. The port will remain stand-alone until the state of the aggregation port is up.
Recommended Action	Ensure that the other ports in the bundle have the same configuration.

%ETC-5-CANNOT_BUNDLE2 : [chars] is not compatible with [chars] and will be suspended ([chars])

Explanation	The attributes of the specified port are different from the attributes of the port-channel or the attributes of the ports within the port-channel.
Recommended Action	Match the attributes of the specified port to the attributes of the port-channel so that the specified port can join the bundle.

%ETC-5-CANNOT_BUNDLE_QOS : Removed [chars] from port channel because a QoS policy cannot be supported across multiple DFC cards.

Explanation	The Port specified in the error message cannot join port channel, because the QoS policy attached to the port channel cannot support multiple DFC cards.
Recommended Action	Place the port in another port channel, or remove the QoS policy from the port channel.

%ETC-5-CANNOT_BUNDLE_QOS1 : Removed [chars] from port channel as QoS attributes of port and port-channel are different.

Explanation	The Port specified in the error message cannot join port channel, because the QoS attributes of this port are not consistent with the QoS attributes of the port-channel.
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%ETC-5-CANNOT_BUNDLE_QOS1 : Removed [chars] from port channel as QoS attributes of port and port-channel are different.

Recommended Action Match the QoS attributes of the specified port to the QoS attributes of other member ports in the port channel. Use the **show queueing interface** command to display the QoS attributes of a port.

%ETC-5-CANNOT_BUNDLE_LACP : [chars] is not compatible with aggregators in channel [dec] and cannot attach to them ([chars])

Explanation The port has different port-attributes that of port-channel or ports within the port-channel. For the port to join the bundle, change the ports attributes so that it matches the port.

Recommended Action Match the port-attributes to that of port-channel

%ETC-5-UNSUITABLE : [chars] will not join any port-channel, [chars]

Explanation Configuring any of Port-fast, VMPS, Dest-SPAN are considered unsuitable for etherchannel. Please unconfigure them.

Recommended Action

%ETC-5-BUNDLE : Interface [chars] joined port-channel [chars]

Explanation Interface joined the bundle.

Recommended Action

%ETC-5-UNBUNDLE : Interface [chars] left the port-channel [chars]

Explanation Interface fell off the bundle

Recommended Action

%ETC-5-CANNOT_ALLOCATE_AGGREGATOR : Aggregator limit reached , cannot allocate aggregator for group [dec]

Explanation New aggregator cannot be allocated in the group. Change the port attributes of the ports in the group so that they match and join the same aggregator.

Recommended Action

%ETC-5-COMPATIBLE : [chars] is compatible with port-channel members

Explanation	The specified port was not operational earlier because its attributes were different from the attributes of the port-channel or the attributes of the ports within the port-channel. The system detects that the attributes of the specified port now match the port-channel attributes.
Recommended Action	No action is required.

%ETC-5-NOLACP : Invalid EC mode, LACP not enabled

Explanation	LACP is not included in the image. Cannot set EC mode to active/passive
Recommended Action	Get an image with LACP included or set mode to On

ETHERCHANNEL

%ETHERCHANNEL-2-PROXY_IPC_INIT_FAILED : QFP Etherchannel Proxy IPC interface initialization failure (result: [dec]).

Explanation	Cisco internal software error. QFP Etherchannel initialization detected that the Proxy IPC interface initialization failed. The EC Bundle interfaces will not be functional while this condition exists.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERCHANNEL-3-INV_PROXY_MSG : QFP ETHERCHANNEL Proxy received invalid Message ID [dec]

Explanation	Cisco internal software error. QFP Etherchannel Proxy received an invalid Message ID. This message will be ignored.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERCHANNEL-3-PROXY_IPC_ALLOC_FAIL : QFP ETHERCHANNEL Proxy ([chars]) response lost due to buffer allocation failure (Interface [chars])

Explanation	Cisco internal software error. QFP ETHERCHANNEL Proxy message processing detected a IPC buffer allocation failure during response processing. The associated ETHERCHANNEL interface may not be fully functional as a result of this 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.

%ETHERCHANNEL-3-PROXY_SID_UPDATE_LOCK_ERROR : QFP EC Proxy ([chars]) Multiple SID Update Locks to same interface (Interface [chars], SID: [hex])

Explanation	Cisco internal software error. QFP EC Proxy message processing detected a Bundle Schedule SID update sequence error. One or more interface schedules could have been affected.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERCHANNEL-3-PROXY_SID_UPDATE_COMPLETE_ERROR : QFP EC Proxy ([chars]) SID Update Complete w/o Preceding Lock (Interface [chars], SID: [hex])

Explanation	Cisco internal software error. QFP EC Proxy message processing detected a Bundle Schedule SID update sequence error. One or more interface schedules could have been affected.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERCHANNEL-3-LOCK_ERROR : QFP EC Lock Failure: retval:[dec] tries[dec]

Explanation	Cisco internal software error. QFP EC Lock Failure locking attempt 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.

%ETHERCHANNEL-3-LOCK_STATE_ERROR : QFP EC Lock State Failure: retval:[dec]

Explanation	Cisco internal software error. QFP EC Lock State Failure Illegal lock 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.

ETHERCHANNEL_LB

%ETHERCHANNEL_LB-3-MSG_SEND_FAIL : The load-balance message [dec] has failed to send

Explanation	The load-balancing feature has detected an error while trying to send an internal message.
Recommended Action	If this message was the result of performing a configuration command, then try unconfiguring and reconfiguring the same command. If the error message continues to be displayed then it may indicate that the system is low on memory. The show memory free command should be used to check if the system has sufficient available memory. If the system appears to have available memory and the error continues to be displayed, then please contact your Cisco technical support representative and provide the representative with the exact error message being seen as well as the version of IOS being used.

%ETHERCHANNEL_LB-3-XDR_MSG_XMIT_FAIL : Failed to transmit XDR message of size [dec] to slot [dec]

Explanation	An error occurred while attempting to send a load-balancing XDR message to the specified slot.
Recommended Action	Because the message failed to send, the specified slot may now be out of sync with the rest of the system. To correct the issue the card in the specified slot may be rebooted, at which point the full configuration will be re-synced with the card in that slot. If the specified slot is zero, then that message was intended for cards in all slots, and the router should be reloaded to re-sync the entire system.

ETHERNET_LACP

%ETHERNET_LACP-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.

%ETHERNET_LACP-3-ISSU_SENDFAILED : LACP ISSU: send message failed, rc = [dec]

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

%ETHERNET_LACP-4-ISSU_INCOMPATIBLE : lacp-issu-compat: returned FALSE

Explanation	The ISSU compatibility matrix check has failed. This is an informational message only.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show tech-support command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case) , or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERNET_LACP-4-ISSU_XFORM : [chars]: failed, rc=[chars]

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

%ETHERNET_LACP-4-RF_CLIENT_INIT : LACP HA: Unable to initiate RF client.

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

%ETHERNET_LACP-4-RF_CLIENT_BUNDLE : LACP HA: Unable initiate checkpoint bundle mode.

Explanation	LACP is unable to initialize checkpoint bundle mode. This is an informational message only.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show tech-support command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

ETHERNET_MLACP

%ETHERNET_MLACP-3-SYS_CFG_DUPL_ID : Remote mLACP peer has duplicate mLACP node-id [dec]

Explanation	A remote mLACP peer is configured with the same mLACP node-id as this device.
Recommended Action	Reconfigure the mLACP node-id to be unique between the two devices with the mLACP node-id configuration command. Refer to the mLACP configuration section of the Cisco IOS documentation for more information on configuring mLACP.

%ETHERNET_MLACP-3-SYS_CFG_INVALID_ID : Received invalid mLACP node-id [dec] from peer

Explanation	A remote mLACP peer is configured with an invalid mLACP node-id.
Recommended Action	Reconfigure the peer to send a valid mLACP node-id with the mLACP node-id configuration command. Refer to the mLACP configuration section of the Cisco IOS documentation for more information on configuring mLACP.

%ETHERNET_MLACP-3-PEER_ICCP_VERSION_INCOMPATIBLE : Peer ICCP version [dec] is incompatible with local ICCP version [dec].

Explanation	mLACP peer is running with a different version of ICCP. Incompatible ICCP would prevent mLACP from working properly.
Recommended Action	Reboot peer with identical IOS version would correct the issue. Compatible ICCP version between different IOS images can still be achieved by doing show lacp multichassis group on the both devices to check if ICCP versions are compatible. If ICCP versions are incompatible, repeat IOS image loading and CLI above until a compatible image is loaded.

%ETHERNET_MLACP-4-ICRM_CLIENT_RECV_REJ : Received rejected mLACP TLV from peer with message ID [dec]

Explanation	A remote mLACP peer has rejected an mLACP TLV.
Recommended Action	Issue the show version command on the local and remote devices to get the versions of IOS that are running. Reference the mLACP section of the IOS documentation to verify that mLACP is compatible between the IOS versions on the two devices. If the versions are compatible and the message still appears then please contact your Cisco technical support representative and provide the representative with the exact error message being seen as well as the versions of IOS from both devices.

%ETHERNET_MLACP-4-ICRM_CLIENT_RECV_BAD_LEN : Received an mLACP TLV with bad length [dec], total message length [dec]

Explanation	The mLACP TLV length is longer than the total message length.
Recommended Action	Issue the show version command on the local and remote devices to get the versions of IOS that are running. Reference the mLACP section of the IOS documentation to verify that mLACP is compatible between the IOS versions on the two devices. If the versions are compatible and the message still appears then please contact your Cisco technical support representative. Provide the representative with the exact message being seen as well as the output of the following commands, show version , show run , show lacp multi-chassis group , and show lacp multi-chassis port-channel .

%ETHERNET_MLACP-4-ICRM_CLIENT_RECV_NO_TYPELEN : Received an mLACP TLV without a type and/or length field ([dec])

Explanation	mLACP received an improperly formatted TLV from the peer. As a result the local and peer devices may have mismatched state data.
Recommended Action	Issue the show version command on the local and remote devices to get the versions of IOS that are running. Reference the mLACP section of the IOS documentation to verify that mLACP is compatible between the IOS versions on the two devices. If the versions are compatible and the message still appears then please contact your Cisco technical support representative and provide the representative with the exact error message being seen as well as the versions of IOS from both devices.

%ETHERNET_MLACP-4-CORE_ISOLATION : mLACP Core isolation failure: Attempting to failover [dec] LAGs in redundancy group [int]

Explanation	mLACP has detected isolation from the core and has attempted to failover.
Recommended Action	Use the show interchassis redundancy command to determine which core facing interface has triggered the isolation failure. Correct the failure for the given interface, this will clear the mLACP core isolation failure. Reference the mLACP section of the IOS documentation for more information on core isolation failures and related configuration commands.

%ETHERNET_MLACP-4-CORE_CONNECTED : mLACP has recovered from a core isolation failure. Attempting to recover [dec] LAGs in redundancy group [int]

Explanation mLACP has recovered from core isolation and has attempted to recover the LAGs in the redundancy group.

Recommended Action This message may not require any action. However the **show lacp multi-chassis group** and **show lacp multi-chassis port-channel** commands may be used to verify the state of the mLACP port-channels. Reference the mLACP section of the IOS documentation for details on core isolation failures and related configuration commands.

%ETHERNET_MLACP-4-PEER_DOWN : mLACP Peer down failure: Attempting to make [dec] local LAGs active in redundancy group [int]

Explanation mLACP has detected a peer down failure and has attempted to make the local port-channels become active.

Recommended Action The peer down failure should be corrected by re-enabling communication with the peer mLACP device. Use the **show redundancy interchassis** command on both the local and peer mLACP devices to determine which peer member IP has lost communication. Use this information to further debug the network communication issue, and re-enable communication with the peer. Reference the mLACP section of the IOS documentation for more information on peer down failures.

%ETHERNET_MLACP-4-PEER_UP : mLACP has recovered from a peer down failure in redundancy group [int]

Explanation mLACP is now in communication with the peer device, and has recovered from a previous peer down failure.

Recommended Action This message may not require any action. However the **show lacp multi-chassis group** and **show lacp multi-chassis port-channel** commands may be used to verify the state of the mLACP port-channels. Reference the mLACP section of the IOS documentation for details on peer down failures and related configuration commands.

%ETHERNET_MLACP-4-PEER_DISCONNECT : An mLACP peer has disconnected from redundancy group [int], attempting to reconnect

Explanation mLACP has detected that a peer device from the specified redundancy group has disconnected. mLACP will attempt to reconnect to the device until successful.

%ETHERNET_MLACP-4-PEER_DISCONNECT : An mLACP peer has disconnected from redundancy group [int], attempting to reconnect

Recommended Action This message is typically caused by a configuration event on the peer router, and so no action may be necessary. However if this message is unexpected then issue the **show redundancy interchassis** command on both the local and peer mLACP devices to determine which peer member IP has lost communication. Use this information to further debug the network communication issue, and re-enable communication with the peer. Reference the mLACP section of the IOS documentation for more information on peer down failures.

%ETHERNET_MLACP-4-PEER_RECONNECT_FAILED : The attempt to reconnect to the peer in redundancy group [int] has failed

Explanation After an mLACP peer device disconnected, an attempt was made to reconnect, however that attempt has failed.

Recommended Action To reinitialize the connection, unconfigure **mlacp interchassis group** from the port-channel, and then reconfigure it. After doing that, issue **show redundancy interchassis** to get the peer member IP connection status and the mLACP connection state. If the peer member IP connection status is not CONNECTED then there is a more basic communication issue that needs to be fixed. Otherwise if the peer member IP is CONNECTED but the mLACP state is not CONNECTED, then there could be a software issue. In that case collect the output of **show redundancy interchassis**, **show lacp multi-chassis group**, and **show lacp multi-chassis port-channel**. Then please contact your Cisco technical support representative and provide the collected information.

%ETHERNET_MLACP-6-PEER_CONNECT : mLACP peer is now connected in redundancy group [int]

Explanation This message indicates that the local mLACP device is now connected to a peer device in the specified redundancy group.

Recommended Action No action is required. To view the peer information the command **show lacp multi-chassis port-channel** or **show lacp multi-chassis group** may be issued.

%ETHERNET_MLACP-4-PC_CHANGE : mLACP [chars] status changed to [chars]

Explanation A mLACP port-channel state change event has occurred. This might have been caused by a mLACP failure or recovery event on the local or peer POA in the same redundancy group. It is normal to get these messages during provisioning and administrative actions on the mLACP port-channel.

%ETHERNET_MLACP-4-PC_CHANGE : mLACP [chars] status changed to [chars]

Recommended Action	User should debug further to analyze root cause of the event. Use show redundancy interchassis , show lacp multi-chassis port-channel , show lacp multi-chassis group and show lacp internal on both POAs to check mLACP port-channel health. If any failure exists, appropriate actions should be taken to recover port-channel from failure. If failure persists then please contact your Cisco technical support representative and provide the collected information.
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ETHERNET_OAM

%ETHERNET_OAM-2-CRIT_ERR : The Ethernet OAM protocol has encountered the critical error: [chars].

Explanation	The protocol has run into a critical error. The reason should be given in the brackets.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERNET_OAM-6-CRITICAL_EVENT : The client on interface [chars] has received a Critical Event indication from its remote peer (action = [chars])

Explanation	An OAMPDU has been received from the remote client that indicates a Critical Event has occurred. The indicated action will be performed. If the action is error-block the link will go into error-block state, where data traffic is blocked but link-oam can still be exchanged. If the action is error-disable, the link is brought down.
Recommended Action	Investigate the issue on the remote peer

%ETHERNET_OAM-6-DYING_GASP : The client on interface [chars] has received a Dying Gasp indication from its remote peer (failure reason = [chars], action = [chars])

Explanation	An OAMPDU has been received from the remote client that indicates a Dying Gasp, which may signal that the remote client is about to go down. The indicated action will be performed. If the action is error-block the link will go into error-block state, where data traffic is blocked but link-oam can still be exchanged. If the action is error-disable, the link is brought down.
Recommended Action	Investigate the issue on the remote peer

%ETHERNET_OAM-6-LINK_FAULT : The client on interface [chars] has received a Link Fault indication from its remote peer (action = [chars])

Explanation An OAMPDU has been received from the remote client that indicates a Link Fault has been detected. This indicates a fault has occurred in the receive direction of the sending client. The indicated action will be performed. If the action is error-block the link will go into error-block state, where data traffic is blocked but link-oam can still be exchanged. If the action is error-disable, the link is brought down.

Recommended Action Check the wiring between the two interfaces.

%ETHERNET_OAM-6-CRITICAL_EVENT_CLEAR : The client on interface [chars] has received a clear of the Critical Event indication from its remote peer (action = [chars])

Explanation An OAMPDU has been received from the remote client that indicates that the Critical Event condition previously seen has cleared. If the action was error-block, traffic on the link will now be re-enabled. Error-disable state can only be cleared by performing a shut/no shut of the interface.

Recommended Action No action is required.

%ETHERNET_OAM-6-DYING_GASP_CLEAR : The client on interface [chars] has received a clear of the Dying Gasp indication from its remote peer (action = [chars])

Explanation An OAMPDU has been received from the remote client that indicates that the Dying Gasp condition previously seen has cleared. If the action was error-block, traffic on the link will now be re-enabled. Error-disable state can only be cleared by performing a shut/no shut of the interface.

Recommended Action No action is required.

%ETHERNET_OAM-6-LINK_FAULT_CLEAR : The client on interface [chars] has received a clear of the Link Fault indication from its remote peer (action = [chars])

Explanation An OAMPDU has been received from the remote client that indicates that the Link Fault condition previously seen has cleared. If the action was error-block, traffic on the link will now be re-enabled. Error-disable state can only be cleared by performing a shut/no shut of the interface.

Recommended Action No action is required.

%ETHERNET_OAM-5-LINK_MONITOR : [chars] detected over the last [chars] on interface [chars].

Explanation A monitored error has been detected to have crossed the user-specified threshold.

%ETHERNET_OAM-5-LINK_MONITOR : [chars] detected over the last [chars] on interface [chars].

Recommended Action No action is required.

%ETHERNET_OAM-5-EVENTTLV : [chars] is received from the remote client on interface [chars].

Explanation An Event TLV is received from the remote OAM client. It must have detected errors in receiving frames from this local interface.

Recommended Action No action is required.

%ETHERNET_OAM-6-LOOPBACK : Interface [chars] has [chars] the [chars] loopback mode.

Explanation The specified interface has entered or exited loopback mode because of protocol control or an external event, such as the interface link going down.

Recommended Action No action is required.

%ETHERNET_OAM-3-LOOPBACK_ERROR : Loopback operation on interface [chars] has encountered an error([chars]).

Explanation Because of the specified error, the loopback operation has ended abnormally.

Recommended Action No action is required.

%ETHERNET_OAM-6-ENTER_SESSION : The client on interface [chars] has entered the OAM session.

Explanation Ethernet OAM client on the specified interface has detected a remote client and has entered the OAM session.

Recommended Action No action is required.

%ETHERNET_OAM-6-EXIT_SESSION : The client on interface [chars] has left the OAM session.

Explanation Ethernet OAM client on the specified interface has experienced some state change.

Recommended Action No action is required.

%ETHERNET_OAM-6-LINK_TIMEOUT : The client on interface [chars] has timed out and exited the OAM session.

Explanation The Ethernet OAM client on the specified interface has not received any OAMPDUs in the number of seconds for timeout that were configured by the user. The client has exited the OAM session.

Recommended Action No action is required.

%ETHERNET_OAM-4-ISSU_INCOMPATIBLE : ether_oam-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. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). Issue the show tech-support command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERNET_OAM-3-TRANSFORM_FAIL : ETHERNET OAM ISSU client [chars] transform failed for 'Message Type [dec]'. Error: [dec] ([chars])

Explanation The ETHERNET OAM ISSU client could not transform the specified message type. If the transmit transformation failed, the checkpoint message was not sent to the standby device. If the receive transformation failed, the checkpoint message was not applied on the standby device. In both cases, the ETHERNET OAM state between the active device and the standby device is not identical.

Recommended Action LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated version <session_id>)

%ETHERNET_OAM-2-GET_BUFFER : ETHERNET OAM ISSU client failed to get buffer for message. Error: [dec] ([chars])

Explanation The ETHERNET OAM ISSU client failed to get buffer space for building a negotiation message. A negotiation message cannot be sent to the standby device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

Recommended Action LOG_STD_SH_CMD_ACTION(show logging and show checkpoint client)

%ETHERNET_OAM-3-SESSION_UNREGISTRY : ETHERNET OAM ISSU client failed to unregister session information. Error: [dec] ([chars])

Explanation	The ETHERNET OAM ISSU client failed to unregister session information.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated capability <session_id>)

%ETHERNET_OAM-2-INIT : ETHERNET OAM ISSU client initialization failed to [chars]. Error: [dec] ([chars])

Explanation	The ETHERNET OAM ISSU client could not be initialized. This initialization failure must be addressed before in-service software upgrade or downgrade can be performed successfully. If you do not address this failure, there will be downtime during software upgrade or downgrade.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERNET_OAM-2-SEND_NEGO_FAILED : ETHERNET OAM ISSU client failed to send negotiation message. Error: [dec] ([chars])

Explanation	The ETHERNET OAM ISSU client failed to send a session negotiation message to the peer device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.
Recommended Action	LOG_STD_SH_CMD_ACTION(show logging and show checkpoint client)

%ETHERNET_OAM-2-SESSION_REGISTRY : ETHERNET OAM ISSU client failed to register session information. Error: [dec] ([chars])

Explanation	The ETHERNET OAM ISSU client failed to register session information. If a problem occurs with the ISSU session registration, the standby device cannot be brought up properly.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu capability entries <client_id> and show issu session <client_id> and show issu negotiated capability <session_id>)

%ETHERNET_OAM-3-INVALID_SESSION : ETHERNET OAM ISSU client does not have a valid registered session.

Explanation	The ETHERNET OAM ISSU client does not have a valid registered session.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu capability entries <client_id> and show issu session <client_id> and show issu negotiated capability <session_id>)

%ETHERNET_OAM-3-MSG_SIZE : ETHERNET OAM ISSU client failed to get the MTU for Message Type [dec]. Error: [dec] ([chars])

Explanation	The ETHERNET OAM ISSU client failed to calculate the MTU for the specified message. The ETHERNET OAM ISSU client is not able to send the message to the standby device.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu message group <client_id> and show issu session <client_id> and show issu negotiated version <session_id>)

%ETHERNET_OAM-2-SESSION_NEGO : ETHERNET OAM ISSU client encountered unexpected client nego_done. Error: [dec] ([chars])

Explanation	An ISSU-compliant client transitions through a series of internal states. The ETHERNET OAM ISSU client encountered a 'client negotiation done' state that was unexpected. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated capability <session_id>)

ETHERNET_PMLACP

%ETHERNET_PMLACP-3-SYS_CFG_DUPL_ID : Remote P-mLACP peer has duplicate P-mLACP node-id [dec]

Explanation	A remote P-mLACP peer is configured with the same P-mLACP node-id as this device.
Recommended Action	Reconfigure the P-mLACP node-id to be unique between the two devices with the mLACP node-id configuration command. Refer to the P-mLACP configuration section of the Cisco IOS documentation for more information on configuring P-mLACP.

%ETHERNET_PMLACP-3-SYS_CFG_INVALID_ID : Received invalid P-mLACP node-id [dec] from peer

Explanation	A remote P-mLACP peer is configured with an invalid P-mLACP node-id.
Recommended Action	Reconfigure the peer to send a valid P-mLACP node-id with the mLACP node-id configuration command. Refer to the P-mLACP configuration section of the Cisco IOS documentation for more information on configuring P-mLACP.

%ETHERNET_PMLACP-3-PEER_ICCP_VERSION_INCOMPATIBLE : Peer ICCP version [dec] is incompatible with local ICCP version [dec].

Explanation	P-mLACP peer is running with a different version of ICCP. Incompatible ICCP would prevent P-mLACP from working properly.
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%ETHERNET_PMLACP-3-PEER_ICCP_VERSION_INCOMPATIBLE : Peer ICCP version [dec] is incompatible with local ICCP version [dec].

Recommended Action Reboot peer with identical IOS version would correct the issue. Compatible ICCP version between different IOS images can still be achieved by doing `show lacp multichassis load-balance group` on the both devices to check if ICCP versions are compatible. If ICCP versions are incompatible, repeat IOS image loading and CLI above until a compatible image is loaded.

%ETHERNET_PMLACP-4-ICRM_CLIENT_RECV_REJ : Received rejected P-mLACP TLV from peer with message ID [dec]

Explanation A remote P-mLACP peer has rejected an P-mLACP TLV.

Recommended Action Issue the `show version` command on the local and remote devices to get the versions of IOS that are running. Reference the P-mLACP section of the IOS documentation to verify that P-mLACP is compatible between the IOS versions on the two devices. If the versions are compatible and the message still appears then please contact your Cisco technical support representative and provide the representative with the exact error message being seen as well as the versions of IOS from both devices.

%ETHERNET_PMLACP-4-ICRM_CLIENT_RECV_BAD_LEN : Received an P-mLACP TLV with bad length [dec], total message length [dec]

Explanation The P-mLACP TLV length is longer than the total message length.

Recommended Action Issue the `show version` command on the local and remote devices to get the versions of IOS that are running. Reference the P-mLACP section of the IOS documentation to verify that P-mLACP is compatible between the IOS versions on the two devices. If the versions are compatible and the message still appears then please contact your Cisco technical support representative. Provide the representative with the exact message being seen as well as the output of the following commands, `show version`, `show run`, `show lacp multi-chassis load-balance group`, and `show lacp multi-chassis load-balance port-channel`.

%ETHERNET_PMLACP-4-ICRM_CLIENT_RECV_NO_TYPELEN : Received an P-mLACP TLV without a type and/or length field ([dec])

Explanation P-mLACP received an improperly formatted TLV from the peer. As a result the local and peer devices may have mismatched state data.

Recommended Action Issue the `show version` command on the local and remote devices to get the versions of IOS that are running. Reference the P-mLACP section of the IOS documentation to verify that P-mLACP is compatible between the IOS versions on the two devices. If the versions are compatible and the message still appears then please contact your Cisco technical support representative and provide the representative with the exact error message being seen as well as the versions of IOS from both devices.

%ETHERNET_PMLACP-4-CORE_ISOLATION : P-mLACP Core isolation failure: Attempting to failover [dec] ports in redundancy group [int]

Explanation	P-mLACP has detected isolation from the core and has attempted to failover.
Recommended Action	Use the show interchassis redundancy command to determine which core facing interface has triggered the isolation failure. Correct the failure for the given interface, this will clear the P-mLACP core isolation failure. Reference the P-mLACP section of the IOS documentation for more information on core isolation failures and related configuration commands.

%ETHERNET_PMLACP-4-CORE_CONNECTED : P-mLACP has recovered from a core isolation failure. Attempting to recover [dec] ports in redundancy group [int]

Explanation	P-mLACP has recovered from core isolation and has attempted to recover the ports in the redundancy group.
Recommended Action	This message may not require any action. However the show lacp multi-chassis load-balance group and show lacp multi-chassis load-balance port-channel commands may be used to verify the state of the P-mLACP port-channels. Reference the P-mLACP section of the IOS documentation for details on core isolation failures and related configuration commands.

%ETHERNET_PMLACP-4-PEER_DOWN : P-mLACP Peer down failure: Attempting to make [dec] local ports active in redundancy group [int]

Explanation	P-mLACP has detected a peer down failure and has attempted to make the local port-channels become active.
Recommended Action	The peer down failure should be corrected by re-enabling communication with the peer P-mLACP device. Use the show redundancy interchassis command on both the local and peer P-mLACP devices to determine which peer member IP has lost communication. Use this information to further debug the network communication issue, and re-enable communication with the peer. Reference the P-mLACP section of the IOS documentation for more information on peer down failures.

%ETHERNET_PMLACP-4-PEER_UP : P-mLACP has recovered from a peer down failure in redundancy group [int]

Explanation	P-mLACP is now in communication with the peer device, and has recovered from a previous peer down failure.
Recommended Action	This message may not require any action. However the show lacp multi-chassis load-balance group and show lacp multi-chassis load-balance port-channel commands may be used to verify the state of the P-mLACP port-channels. Reference the P-mLACP section of the IOS documentation for details on peer down failures and related configuration commands.

%ETHERNET_PMLACP-4-PEER_DISCONNECT : An P-mLACP peer has disconnected from redundancy group [int], attempting to reconnect

Explanation	P-mLACP has detected that a peer device from the specified redundancy group has disconnected. P-mLACP will attempt to reconnect to the device until successful.
Recommended Action	This message is typically caused by a configuration event on the peer router, and so no action may be necessary. However if this message is unexpected then issue the show redundancy interchassis command on both the local and peer P-mLACP devices to determine which peer member IP has lost communication. Use this information to further debug the network communication issue, and re-enable communication with the peer. Reference the P-mLACP section of the IOS documentation for more information on peer down failures.

%ETHERNET_PMLACP-4-PEER_RECONNECT_FAILED : The attempt to reconnect to the peer in redundancy group [int] has failed

Explanation	After an P-mLACP peer device disconnected, an attempt was made to reconnect, however that attempt has failed.
Recommended Action	To reinitialize the connection, unconfigure mlacp interchassis group from the port-channel, and then reconfigure it. After doing that, issue show redundancy interchassis to get the peer member IP connection status and the P-mLACP connection state. If the peer member IP connection status is not CONNECTED then there is a more basic communication issue that needs to be fixed. Otherwise if the peer member IP is CONNECTED but the P-mLACP state is not CONNECTED, then there could be a software issue. In that case collect the output of show redundancy interchassis , show lacp multi-chassis load-balance group , and show lacp multi-chassis load-balance port-channel . Then please contact your Cisco technical support representative and provide the collected information.

%ETHERNET_PMLACP-6-PEER_CONNECT : P-mLACP peer is now connected in redundancy group [int]

Explanation	This message indicates that the local P-mLACP device is now connected to a peer device in the specified redundancy group.
Recommended Action	No action is required. To view the peer information the command show lacp multi-chassis load-balance port-channel or show lacp multi-chassis load-balance group may be issued.

ETHERNET_PROXY through EVTMON_PROXY

- [ETHERNET_PROXY](#)
- [ETHER_LMI](#)

- [ETHER_LMI_HA](#)
- [ETHER_PLATFORM_SW](#)
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ETHERNET_PROXY

%ETHERNET_PROXY-2-PROXY_IPC_INIT_FAILED : CPP ETHERNET Proxy IPC interface initialization failure (result: [dec]).

Explanation	Cisco internal software error. CPP ETHERNET Proxy initialization detected that the IPC interface initialization failed. CPP ETHERNET proxy will not be functional while this condition exists.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERNET_PROXY-3-PROXY_BAD_MSG : CPP ETHERNET Proxy received bad length message type [dec]

Explanation	Cisco internal software error. CPP ETHERNET Proxy received a corrupted message from control plane. This message will be ignored.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERNET_PROXY-3-PROXY_INV_MSG : CPP ETHERNET Proxy received invalid message type [dec]

Explanation	Cisco internal software error. CPP ETHERNET Proxy received an invalid message type from control plane. This message will be ignored.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHERNET_PROXY-3-PROXY_IPC_ALLOC_FAILED : CPP ETHERNET Proxy [chars] message lost due to message buffer allocation failure., MSGDEF_LIMIT_MEDIUM

Explanation	Cisco internal software error. CPP ETHERNET Proxy message processing detected a message buffer allocation failure. The message is lost as the result of this 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.

%ETHERNET_PROXY-3-PROXY_IPC_SEND_FAILED : CPP ETHERNET Proxy [chars] message lost due to message sent failure (result: [dec]).

Explanation	Cisco internal software error. CPP ETHERNET Proxy message processing detected a message sent failure. The message is lost as the result of this 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.

%ETHERNET_PROXY-3-PROXY_IPC_NO_HDLR : CPP ETHERNET Proxy received unregistered message type [dec]

Explanation	Cisco internal software error. CPP ETHERNET Proxy received a message from control plane but there is no registered handler. The message is lost as the result of this 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.

ETHER_LMI

%ETHER_LMI-6-MISMATCHED_VLAN_CONFIGURED : VLAN [chars] configured but not in VLAN mapping for UNI [chars]

Explanation	VLANs configured on UNI but do not exist according to VLAN mapping received from Network via Ethernet LMI.
Recommended Action	Verify configurations of VLANs on UNI to match those assigned.

%ETHER_LMI-6-MISMATCHED_VLAN_NOT_CONFIGURED : VLAN [chars] not configured but in VLAN mapping for UNI [chars]

Explanation VLAN mapping received from Network via Ethernet LMI do not match those which are configured on the UNI.

Recommended Action Verify configurations of VLANs on UNI to match those assigned.

ETHER_LMI_HA

%ETHER_LMI_HA-2-INIT : Ether LMI ISSU client initialization failed to [chars]. Error: [dec] ([chars])

Explanation The Ether LMI ISSU client could not be initialized. This initialization failure must be addressed before in-service software upgrade or downgrade can be performed successfully. If you do not address this failure, there will be downtime during software upgrade or downgrade.

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

%ETHER_LMI_HA-3-TRANSFORM : Ether LMI ISSU client [chars] transform failed for 'Message Type [dec]'. Error: [dec] ([chars])

Explanation The Ether LMI ISSU client could not transform the specified message type. If the transmit transformation failed, the checkpoint message was not sent to the standby device. If the receive transformation failed, the checkpoint message was not applied on the standby device. In both cases, the Ether LMI state between the active device and the standby device is not identical.

Recommended Action LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated version <session_id>)

%ETHER_LMI_HA-3-MSG_NOT_OK : Ether LMI ISSU client 'Message Type [dec]' is not compatible

Explanation The Ether LMI ISSU client received an incompatible message from the peer device. The message cannot be processed.

Recommended Action LOG_STD_SH_CMD_ACTION(show issu message group <client_id> and show issu session <client_id> and show issu negotiated version <session_id>)

%ETHER_LMI_HA-3-MSG_SIZE : Ether LMI ISSU client failed to get the MTU for Message Type [dec]. Error: [dec] ([chars])

Explanation	The Ether LMI ISSU client failed to calculate the MTU for the specified message. The Ether LMI ISSU client will not be able to send the message to the standby device.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu message group <client_id> and show issu session <client_id> and show issu negotiated version <session_id>)

%ETHER_LMI_HA-3-INVALID_SESSION : Ether LMI ISSU client does not have a valid registered session.

Explanation	The Ether LMI ISSU client does not have a valid registered session.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu capability entries <client_id> and show issu session <client_id> and show issu negotiated capability <session_id>)

%ETHER_LMI_HA-2-SESSION_REGISTRY : Ether LMI ISSU client failed to register session information. Error: [dec] ([chars])

Explanation	The Ether LMI ISSU client failed to register session information. If a problem occurs with the ISSU session registration, the standby device cannot be brought up properly.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu capability entries <client_id> and show issu session <client_id> and show issu negotiated capability <session_id>)

%ETHER_LMI_HA-3-SESSION_UNREGISTRY : Ether LMI ISSU client failed to unregister session information. Error: [dec] ([chars])

Explanation	The Ether LMI ISSU client failed to unregister session information.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated capability <session_id>)

%ETHER_LMI_HA-2-SESSION_NEGO : Ether LMI ISSU client encountered unexpected client nego_done. Error: [dec] ([chars])

Explanation	An ISSU-compliant client transitions through a series of internal states. The Ether LMI ISSU client encountered a 'client negotiation done' state that was unexpected. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated capability <session_id>)

%ETHER_LMI_HA-2-SEND_NEGO_FAILED : Ether LMI ISSU client failed to send negotiation message. Error: [dec] ([chars])

Explanation The Ether LMI ISSU client failed to send a session negotiation message to the peer device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

Recommended Action LOG_STD_SH_CMD_ACTION(show logging and show checkpoint client)

%ETHER_LMI_HA-2-GET_BUFFER : Ether LMI ISSU client failed to get buffer for message. Error: [dec] ([chars])

Explanation The Ether LMI HA client failed to get buffer space for building chkpt message. Message cannot be sent to standby device. If a problem occurs, the standby device cannot be brought up properly.

Recommended Action LOG_STD_SH_CMD_ACTION(show logging and show checkpoint client)

ETHER_PLATFORM_SW

%ETHER_PLATFORM_SW-3-DOT1AH_DEL_MAP_FAILED : Unable to remove 802.1ah mapping entry for B-MAC [enet], C-MAC [enet].

Explanation The Ethernet Software Platform was unable to remove an 802.1ah mapping entry from the tree of entries.

Recommended Action This error may be transient. If the error persists you may need to reload the router.

%ETHER_PLATFORM_SW-3-DOT1AH_CHNK_LCK_FAILED : Unable to lock memory while learning C-MAC to B-MAC mapping

Explanation The Ethernet Software Platform was unable to lock a particular piece of memory while attempting to learn a C-MAC to B-MAC mapping

Recommended Action This error may be transient. If the error persists you may need to reload the router.

%ETHER_PLATFORM_SW-3-DOT1AH_PROC_ENQ_FAILED : Unable to enqueue a request to learn a C-MAC to B-MAC mapping

Explanation An error occurred while trying to enqueue a request to learn a C-MAC to B-MAC mapping.

Recommended Action This error may be transient. If the error persists you may need to reload the router.

%ETHER_PLATFORM_SW-3-EFP_CANNOT_CLEAR_DIM : Unable to clear EFP's encapsulation data

Explanation	An error occurred while trying to clear the encapsulation data for an EFP.
Recommended Action	Enable debugging with 'debug ethernet service instace'. Retry the operation that caused the error to see if additional debugging messages are provided. If the error persists you may need to reload the router.

%ETHER_PLATFORM_SW-3-REWRITE_FAILED : Unable to apply rewrite to packet

Explanation	An error occurred while trying to perform an ingress rewrite operation on a frame.
Recommended Action	This error may be transient. If the error persists you may need to reload the router.

%ETHER_PLATFORM_SW-3-BD_NULL : Unable to get bridge-domain [dec] information for EFP [dec]

Explanation	The software dataplane was unable to get the bridge-domain information for the EFP.
Recommended Action	This error may be transient. If the error persists you may need to reload the router.

%ETHER_PLATFORM_SW-3-NO_PD_EFP : Unable to find software platform EFP information for EFP ID [dec]

Explanation	The software dataplane was unable to get the platform dependent EFP information for the EFP with the given ID.
Recommended Action	This error may indicate a bug in the software dataplane implementation. If the error occurs after a specific configuration was performed then precisely record those configuration steps. Contact your Cisco technical support representative and provide the gathered information.

ETHER_SERVICE**%ETHER_SERVICE-6-EVC_VLAN_NOT_CONFIGURED : VLANs [chars] not configured at [chars] but is in a CEVLAN/EVC map**

Explanation	VLANs part of the CEVLAN/EVC map for an EVC associated to an interface but the interface doesn't have those VLANs configured
Recommended Action	Verify configurations of VLANs on the interface

%ETHER_SERVICE-6-EVC_STATUS_CHANGED : status of [chars] changed to [chars]

Explanation EVC status has changed**Recommended Action** No Action

%ETHER_SERVICE-6-UPDOWN : Service instance [dec] on interface [chars] changed to [chars]

Explanation Service instance shutdown due to errdisable**Recommended Action** No Action

%ETHER_SERVICE-6-ERR_DISABLED : [chars] - shutdown service instance [dec] at [chars]

Explanation Service instance shutdown due to errdisable**Recommended Action** No Action

%ETHER_SERVICE-4-UNSUP_MIRPENABLE : %% Not supported since no ethernet mac-flush notification mirp command is configured.

Explanation no ethernet mac-flush notification mirp is configured.**Recommended Action** Configure ethernet mac-flush notification mirp command.

%ETHER_SERVICE-3-EFP_NO_MEMORY : [chars] : memory allocation failed for [chars]

Explanation memory allocation failed**Recommended Action** 'show proc mem' or 'show buffs' to check if memory or buffer is full. shutdown unused tasks or reset cards usually can recover those memory leak problem. Copy the error and send it to TAC if those actions does not help.

%ETHER_SERVICE-3-EFP_NULL_POINTER : [chars] : [chars] pointer is NULL

Explanation NULL pointer**Recommended Action** Copy the error and send it to TAC

%ETHER_SERVICE-3-EFP_INVALID_TYPE : [chars] : [chars] is INVALID

Explanation	invalid type
Recommended Action	Copy the error and send it to TAC

%ETHER_SERVICE-3-ETHER_CHAN_SERV_INSTANCE_POLICY_REMOVED : [chars] service policy [chars] has been removed from service instance [dec] of ethernet channel [chars] due to failure to install the policy on member link [chars].

Explanation	The member link does not support the service policy or installation failed due to resources limitation at the time.
Recommended Action	Check for any error message that indicates incompatibility between the policy and the member link. Remove the member link from the ethernet channel and reconfigure the policy on the service instance. If the problem persists, copy the error exactly as it appears and report it to your technical support representative.

%ETHER_SERVICE-3-EFP_DEBUG_INIT_FAILURE : The Ether Infra Trace and Debug Library Failed to initialize successfully due to error: [int]

Explanation	All trace and debug may not work
Recommended Action	No Action

ETHER_SERVICE_IPC

%ETHER_SERVICE_IPC-3-IPCPORT_CREATE : Unable to create IPC port ([chars]).

Explanation	Ethernet Service was unable to create an IPC port
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%ETHER_SERVICE_IPC-3-IPCPORT_REGISTER : Unable to register IPC port ([chars]).

Explanation	Ethernet Service was unable to register an IPC port
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%ETHER_SERVICE_IPC-3-IPCPORT_REMOVE : Unable to remove IPC port ([chars]).

Explanation	Ethernet Service was unable to remove an IPC port
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%ETHER_SERVICE_IPC-3-IPCPORT_REMOVE : Unable to remove IPC port ([chars]).

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

%ETHER_SERVICE_IPC-3-IPCPROCESSES : Unable to create IPC processes on ([chars]).

Explanation Ethernet Service was unable to create IPC processes

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

%ETHER_SERVICE_IPC-4-NOIPCPORT : IPC port is NULL, ([chars])

Explanation Ethernet Service cannot send the message as the IPC port information is NULL. This is a warning message, no action is required.

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

%ETHER_SERVICE_IPC-4-NOMESSAGE : Message is NULL, ([chars])

Explanation Cannot send the message as the message is NULL. This is a warning message, no action is required

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

%ETHER_SERVICE_IPC-4-NOIPCDATA : IPC Message has no data area, ([chars])

Explanation Cannot find data area in an IPC message. This is a warning message, no action is required

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

%ETHER_SERVICE_IPC-3-IPCSSESSION : Unable to open an IPC session for communicating with ([chars]). Error: [chars]

Explanation This is an internal error

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

%ETHER_SERVICE_IPC-3-NOIPDESC : Unable to allocate IPC descriptor for Ethernet Service on ([chars]).

Explanation	This is an internal error
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%ETHER_SERVICE_IPC-3-NOMEM : Unable to allocate memory for Ethernet Service on ([chars]).

Explanation	This is an internal error
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative.

%ETHER_SERVICE_IPC-3-IPC_TRANSMIT_FAILED : IPC message transmission failure ([chars])

Explanation	An error was detected when transmitting an IPC message between Standby RP and SP. The failure most likely occurred because of a software error. The message output identifies the type of error that occurred.
Recommended Action	This could be a transient error. If this error persists, copy the error message exactly as it appears, and report it to your technical support representative.

%ETHER_SERVICE_IPC-3-IPC_RESP_ERROR : IPC send response error ([chars])

Explanation	An error was detected in the response for an IPC message that was transmitted to the peer.
Recommended Action	This error could be transient. If this error persists, copy the error message exactly as it appears, and report it to your technical support representative.

%ETHER_SERVICE_IPC-3-RMI_FAILED : Ethernet Infra failed to register with the Resource Manager (RMI), [chars]

Explanation	Ethernet Infra registers with the Resource Manager (RMI) to get status notifications about resources (such as IPC) and uses them to throttle the sending of messages to the peer. The Ethernet Infra was unable to register itself with RMI and hence cannot throttle the sending of any messages. The system may still operate normally. This error most likely occurred because of 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/). Issue the show tech command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%ETHER_SERVICE_IPC-3-RMI_CALLBACK : Ethernet Infra encountered an error while processing a callback from the Resource Manager (RMI), [chars]

Explanation Ethernet Infra registers with the Resource Manager (RMI) to get status notifications about resources (such as IPC) and uses them to throttle the sending of messages to the peer. The Ethernet Infra encountered an error while processing a callback from RMI. This error most likely occurred because of 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/>). Issue the **show tech** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

EVENT

%EVENT-3-INSERT_FAILURE : Failed to insert [chars]

Explanation The event process failed to insert the newly created row in its linked list data structure

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

%EVENT-3-NULL_STRUCT : Null pointer to the [chars] structure

Explanation The process was woken up with an element, which had a null pointer to the test structure

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

%EVENT-3-NULL_ELEMENT : Null pointer in the watched queue for [chars] test

Explanation The process was woken up with an NULL element

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

EVENTLIB

%EVENTLIB-3-CPUHOG : [chars]: [int]ms, Traceback=[chars]

Explanation This error occurs when a particular event consumes an unfair share of the CPU that may degrade overall system response time.

%EVENTLIB-3-CPUHOG : [chars]: [int]ms, Traceback=[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/>). Issue the **show platform software process event** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%EVENTLIB-3-RUNHOG : [chars]: [int]ms, Traceback=[chars]

Explanation This error occurs when a particular event consumes an overall unfair share of the CPU that may degrade overall system response 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/>). Issue the **show platform software process event** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%EVENTLIB-3-TIMEHOG : [chars]: [int]ms, Traceback=[chars]

Explanation This error occurs when a particular event takes an unusually long time to complete. This may affect overall system response 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/>). Issue the **show platform software process event** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%EVENTLIB-3-HISTSUMM : dispatch start: [int]ms elapsed time: [int]ms detected hog: [int] set count: [int]

Explanation This event summary is part of a CPUHOG or TIMEHOG error, providing diagnostic details useful to engineering. Save this summary message along with the HOG error.

Recommended Action Report this occurrence to Engineering. Use Topic to search for a similar DDTS. If you find none, write a DDTS for this problem.

%EVENTLIB-3-HISTELEM : elem[[int]] event: [chars] [chars] set: [int]ms unset: [int]ms hog check: [dec] caller: [IPV6 address] app-info: [chars]

Explanation This event element is part of a CPUHOG or TIMEHOG error, providing diagnostic details useful to engineering. Save all element messages along with the HOG error.

Recommended Action Report this occurrence to Engineering. Use Topic to search for a similar DDTS. If you find none, write a DDTS for this problem.

%EVENTLIB-3-EVFDREAD : Event notification read failed with err [chars]

Explanation This occurs when we fail to read a thread notify event

Recommended Action Report this occurrence to Engineering. Use Topic to search for a similar DDTS. If you find none, write a DDTS for this problem.

EVENT_TRACE

%EVENT_TRACE-6-ENABLE : Trace already enabled.

Explanation Specified event trace has already been enabled

Recommended Action This is a debug message only. No action is required.

%EVENT_TRACE-3-SIZE_ELEM : Size of trace element = [dec] is greater than size = [dec] allowed

Explanation The size of the specified individual trace entry is greater than the allowed size.

Recommended Action Reduce the individual trace entry size so as not to exceed the max while initializing the event trace

%EVENT_TRACE-3-NUM_ELEM : Number of trace element = [dec] is greater than number = [dec] allowed

Explanation The number of trace entries exceed the allowed amount

Recommended Action Reduce the number of trace entries

%EVENT_TRACE-3-NO_MEM : Not enough memory for [dec] trace elements.

Explanation The system memory is insufficient for the number of trace elements specified.

Recommended Action Reduce the size of the event trace

%EVENT_TRACE-3-NO_FILENAME : Dump file not specified.

Explanation	No filename has been specified as output for the event trace.
Recommended Action	You must specify the trace dump filename. To specify the trace dump filename, enter the monitor event-trace comp dump-file filename command in global configuration mode

%EVENT_TRACE-3-SIZE_FILENAME : Trace filename size = [dec] greater than size = [dec] allowed

Explanation	The length of the specified Event Trace filename exceeds the allowed.
Recommended Action	Shorten the filename.

%EVENT_TRACE-3-OPEN_FILE : Couldn't open [chars]...

Explanation	The Event Trace subsystem could not open a file for the specified event trace dump.
Recommended Action	If a file by the same name already exists, rename the dump file or remove the existing file from the file system.

%EVENT_TRACE-3-WRITE_FILE : Error writing to file [chars]

Explanation	Event trace is not able to write to the specified filesystem
Recommended Action	The filesystem might not be available. Try changing the destination filesystem and dumping there. If none work, copy the error message exactly as it and call your Cisco technical support representative

%EVENT_TRACE-3-CLOSE_FILE : Error closing file [chars]

Explanation	The Event Trace subsystem can not close the specified file
Recommended Action	No action required. This will not affect system functionality

%EVENT_TRACE-6-NO_FORMATTER : [chars]: no formatter provided, binary dumping.

Explanation	No formatter function was provided during the initialization of the specified event trace.
Recommended Action	No action is required.

%EVENT_TRACE-3-RESIZE : Enable trace before resizing

Explanation The specified event trace must be enabled before resizing occurs.

Recommended Action Enable the specified event trace.

%EVENT_TRACE-3-OPEN : [chars]: Trace failed to open

Explanation Initialization of the specified event trace 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.

%EVENT_TRACE-3-CONTINUOUS : Enable trace before setting continuous display

Explanation The specified event trace must be enabled before continuous display could occurs.

Recommended Action Enable the specified event trace.

%EVENT_TRACE-3-NO_TRACE_NAME : Invalid trace name [chars]

Explanation There is no trace buffer configured by the name entered.

Recommended Action Check whether there is an event trace buffer configured by the name entered and then enter the correct trace buffer name.

%EVENT_TRACE-3-GROUP_ID : Duplicate registration of group-id [dec]

Explanation Software subsystem is trying to register a group id for event trace which has already been used by another subsystem.

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

EVTMON_PROXY

%EVTMON_PROXY-3-PROXY_IPC_INIT_FAILED : [dec]

Explanation IPC handler initialization failed.

%EVTMON_PROXY-3-PROXY_IPC_INIT_FAILED : [dec]

Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.
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%EVTMON_PROXY-4-PROXY_IPC_INVALID_MSG : [hex]

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

%EVTMON_PROXY-4-PROXY_IPC_EVTMON_FEAT_UPDATE_FAILED : feature user failed to [chars] because of [chars]

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

%EVTMON_PROXY-4-PROXY_IPC_EVTMON_REC_UPDATE_FAILED : event record update failed

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

EVUTIL through FED_L3_ERRMSG

- [EVUTIL](#)
- [EXTASSIGNER](#)
- [FARM_DSPRM](#)

- [FEC_ISSU](#)
- [FED](#)
- [FED_FNF_ERRMSG](#)
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- [FED_L2M_ERRMSG](#)
- [FED_L3M_ERRMSG](#)
- [FED_L3_ERRMSG](#)

EVUTIL

%EVUTIL-6-PREREQUISITE : Preferred library is absent

Explanation	Eventlib has detected that a preferred library is missing from the process.
Recommended Action	This is an informational message.

%EVUTIL-3-PREREQUISITE_INIT : A preferred library has failed to initialize: [chars]

Explanation	Eventlib has detected that a preferred library which provides infrastructure services has failed to fully initialize.
Recommended Action	Review the process logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at http://www.cisco.com/tac . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl . If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/cgi-bin/front.x/case_tools/caseOpen.pl , or contact your Cisco technical support representative and provide the representative with the gathered information.

%EVUTIL-3-PERMISSION : Operation not permitted for pid [dec] tid [dec]

Explanation	Eventlib has detected that a process has attempted to invoke an API that is listed as having a level of permission.
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%EVUTIL-3-PERMISSION : Operation not permitted for pid [dec] tid [dec]**Recommended
Action**

Review the process logs taking note of the timestamp information to select specific information to review. Copy the message and other related information exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl. If you still require assistance, open a case with the Technical Assistance Center via the Internet at http://www.cisco.com/cgi-bin/front.x/case_tools/caseOpen.pl, or contact your Cisco technical support representative and provide the representative with the gathered information.

EXTASSIGNER

%EXTASSIGNER-3-NOCB : Failed to find the skinnyCB**Explanation****Recommended
Action**

%EXTASSIGNER-3-NOACTPHONE : Failed to find the calling phone**Explanation****Recommended
Action**

%EXTASSIGNER-3-NOMEM : Failed to malloc**Explanation****Recommended
Action**

%EXTASSIGNER-3-ERRTAG : Invalid tag([dec])**Explanation****Recommended
Action**

%EXTASSIGNER-3-NULLPTR : Null pointer ([chars]:[dec])

Explanation

**Recommended
Action**

%EXTASSIGNER-3-ERRSYNC : Failed to sync tag([dec]) to standby CME

Explanation

**Recommended
Action**

%EXTASSIGNER-3-ERRSYNC2 : Failed to sync re-assign tag ([dec]) for [dec] to standby CME

Explanation

**Recommended
Action**

%EXTASSIGNER-6-ASSIGNED : Extension assignment successful for phone:SEP[chars]. New pool([dec]). Old pool([dec]).

Explanation Successfully assigned the pool

**Recommended
Action** No action is required.

%EXTASSIGNER-6-UNASSIGNED : Extension unassignment successful for phone:SEP[chars]. Unassigned pool([dec]).

Explanation Successfully unassigned the pool

**Recommended
Action** No action is required.

FARM_DSPRM

%FARM_DSPRM-4-NOC5510WARN : dsp service dspfarm can not be configured for this card type.

Explanation There is C549 NM-HDV card configured for dspfarm service. Only one dspfarm card type is allowed.

**Recommended
Action** If C5510 card type dspfarm is desired then remove C549 NM-HDV dspfarm service and reconfigure dspfarm service for this card.

%FARM_DSPRM-6-CALLDROPINFO : dspfarm active calls on this card dsp [dec] channel [dec] will be dropped.

Explanation The card has been removed. Dspfarm active calls on this card will be dropped.

Recommended Action No action is required.

%FARM_DSPRM-6-CARDREMOVEINFO : dspfarm card slot [dec] is removed.

Explanation dspfarm card type is removed from the slot.

Recommended Action No action is required.

%FARM_DSPRM-6-CARDINSERTINFO : dspfarm card slot [dec] is inserted.

Explanation dspfarm card type is inserted into the slot.

Recommended Action No action is required.

FEC_ISSU

%FEC_ISSU-3-INIT : FEC ISSU client initialization failed at [chars], error [chars]

Explanation FEC ISSU client could not be initialized, this will cause catastrophic failure when ISSU upgrade or downgrade is performed.

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

%FEC_ISSU-3-TRANSFORM : FEC ISSU client [chars] transform failed, error [chars]

Explanation FEC ISSU client could not transform the message. If the transmit transformation failed, it means that the checkpoint message can not be sent to the standby unit. If the receive transformation failed, it means that the checkpoint message can not be applied on the standby unit. In both cases the FEC state will not be identical with the active unit.

Recommended Action LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated version <session_id>)

%FEC_ISSU-3-MSG_NOT_OK : FEC ISSU client message [dec] is not compatible

Explanation	FEC ISSU client received an incompatible message from the peer unit. Since the message is not compatible it can be processed by this unit
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu message group <client_id> and show issu session <client_id> and show issu negotiated version <session_id>)

%FEC_ISSU-3-MSG_SIZE : FEC ISSU client failed to get the message size for message [dec]

Explanation	FEC ISSU client failed to calculate message size for the message specified. The OIR ISSU client will not be able to send message to the standby unit.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu message group <client_id> and show issu session <client_id> and show issu negotiated version <session_id>)

%FEC_ISSU-3-SESSION : FEC ISSU client [chars]

Explanation	FEC ISSU client observed an error during a session negotiation with the peer unit. When there is a problem with the session the standby unit can not be brought up.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu capability entries <client_id> and show issu session <client_id> and show issu negotiated capability <session_id>)

%FEC_ISSU-3-SESSION_UNREGISTRY : FEC ISSU client failed to unregister session information. Error: [dec] ([chars])

Explanation	The FEC ISSU client failed to unregister session information.
Recommended Action	LOG_STD_SH_CMD_ACTION(show issu session <client_id> and show issu negotiated capability <session_id>)

%FEC_ISSU-3-SEND_FAILED : FEC ISSU client failed to send a negotiation message, error [dec]

Explanation	FEC ISSU client could not send a session negotiation message to the peer. When there is a problem in the negotiation the standby unit can not be brought up.
Recommended Action	LOG_STD_SH_CMD_ACTION(show logging and show checkpoint client)

%FEC_ISSU-3-BUFFER : FEC ISSU client failed to get buffer for message, error [dec]

Explanation	FEC ISSU client failed to get buffer for building a negotiation message. Hence, it can send the negotiation message to the standby unit. When there is a problem in the negotiaiton the standby unit can not be brought up.
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%FEC_ISSU-3-BUFFER : FEC ISSU client failed to get buffer for message, error [dec]

Recommended Action LOG_STD_SH_CMD_ACTION(show logging and show checkpoint client)

%FEC_ISSU-3-CAPABILITY : FEC ISSU client [chars]

Explanation FEC SWITCH ISSU client observed an error during capability negotiaiton. When this error happens there is a mismatch between the client capability between the active and standby unit.

Recommended Action LOG_STD_SH_CMD_ACTION(show issu capability entries <client_id> and show issu session <client_id> and show issu negotiated capability <session_id>)

%FEC_ISSU-3-POLICY : FEC ISSU client message type [dec] is [chars]

Explanation FEC ISSU client received an message type which it does not support. The policy is applied to make the session compatible.

Recommended Action LOG_STD_SH_CMD_ACTION(show issu session <client_id>)

FED

%FED-2-INIT_FAILED : Module [chars] failed initialization[chars]

Explanation The specified module failed initialization. The switch will reload.

Recommended Action No action is required

%FED-0-HWSTALL : ASIC [dec] CORE [dec] Packet Buffer Complex Stalled. Switch will be reloaded

Explanation The specified asic/core packet buffer complex stalled. This is a critical error. This switch will reload. If there is a redundant switch, switch over will happen

Recommended Action No action is required

FED_FNF_ERRMSG

%FED_FNF_ERRMSG-6-UNSUPPORTED : [chars] is unsupported

Explanation The requested configuration is not supported.

Recommended Action Please do not use the current configuration.

%FED_FNF_ERRMSG-6-NOTALLOWED : [chars] is not allowed.

Explanation The requested configuration is not allowed.**Recommended Action** Please try to modify your configuration.

%FED_FNF_ERRMSG-3-WDAVCATTACHERROR : Unable to attach flow monitor or IP NBAR to interface [chars]. Flow monitor and IP NBAR are not allowed on the same interface.

Explanation The requested configuration is not allowed.**Recommended Action** Please try to modify your configuration.

%FED_FNF_ERRMSG-3-SGTCATTACHERROR : Detach the existing [chars] before attaching [chars] to interface [chars]. These features cannot co-exist.

Explanation The requested configuration is not allowed.**Recommended Action** Please try to modify your configuration.

%FED_FNF_ERRMSG-3-ATTACHERROR : Failed to attach flow monitor to interface [chars].

Explanation An error occurs when attaching the flow monitor to the interface.**Recommended Action** Find out more about the error by using show mgmt-infra trace messages fed-fnf-config-error switch number command

%FED_FNF_ERRMSG-3-DETACHERROR : Failed to detach flow monitor from interface [chars]

Explanation Error occurs when detaching the flow monitor from the interface.**Recommended Action** Find out more about the error by using show mgmt-infra trace messages fed-fnf-config-error switch number command

FED_IPC_MSG

%FED_IPC_MSG-5-FAST_RELOAD_COMPLETE : Fast reload operation complete

Explanation This is used to indicate that the fast reload is complete.**Recommended Action** No action needed. This is not an error.

FED_L2M_ERRMSG

%FED_L2M_ERRMSG-3-RSRC_ERR : Failed to allocate hardware resource for group [chars] - resource type: [chars] - reason: [chars]

Explanation	Hardware resource allocation has failed and the entry will not be programmed.
Recommended Action	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_L2M_ERRMSG-3-COLLISION_LIST_RSRC_ERR : Failed to allocate hardware resource for group [chars] - reason: [chars] - entry collided with groups: [chars] in hash

Explanation	Hardware resource allocation has failed and the entry will not be programmed.
Recommended Action	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

FED_L3M_ERRMSG

%FED_L3M_ERRMSG-3-RSRC_ERR : Failed to allocate hardware resource for [chars] - rc:[chars]

Explanation	Hardware resource allocation has failed and the entry will not be programmed.
Recommended Action	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

FED_L3_ERRMSG

%FED_L3_ERRMSG-3-ecr_err : Platform unicast routing ecr module encountered [chars] error in FED

Explanation	An error occurred in platform ecr code.
Recommended Action	Find out more about this error by using the show platform ipunicast ecr commands.

%FED_L3_ERRMSG-3-fib_err : Platform unicast routing fib module encountered [chars] error in FED

Explanation	An error occurred in platform fib code.
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%FED_L3_ERRMSG-3-fib_err : Platform unicast routing fib module encountered [chars] error in FED

Recommended Action Find out more about this error by using the show platform ipunicast route commands.

%FED_L3_ERRMSG-3-pbr_err : Platform unicast routing pbr module encountered [chars] error in FED

Explanation An error occurred in platform pbr code.

Recommended Action Find out more about this error by using the show platform ipunicast policy commands

%FED_L3_ERRMSG-3-wccp_err : Platform unicast routing wccp module encountered [chars] error in FED

Explanation An error occurred in platform wccp code.

Recommended Action Find out more about this error by using the show platform ipunicast wccp commands.

%FED_L3_ERRMSG-3-RSRC_ERR : Failed to allocate hardware resource for [chars] - rc:[dec]

Explanation Hardware resource allocation has failed and the entry will not be programmed.

Recommended Action Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_L3_ERRMSG-3-mpls_recursive_label_err : Unsupported recursive MPLS label for local_label [int] [chars]

Explanation The specified MPLS local label is recursive and is not yet supported.

Recommended Action Find out more about this error by using the show commands for the specified local_label and modify the config using LDP filters to remove recursive labels.

%FED_L3_ERRMSG-3-UNSUPPORTED_CMD : [chars] is not supported on the interface [chars]

Explanation The specified cli is not yet supported.

Recommended Action Find out more about this unsupported feature from the release documents and remove the command from the interface config mode

%FED_L3_ERRMSG-3-MAX_TUNNEL : The maximum number of Tunnel has been reached

Explanation	Hardware resource allocation has failed and the entry will not be programmed.
Recommended Action	New Tunnels will not be working as expected.

%FED_L3_ERRMSG-3-mpls_ecmp_modify_err : MPLS Load Balance modify is not supported [int]

Explanation	Modification of an ECMP object with MPLS Adjacencies is not supported yet. It is not an expected event
Recommended Action	Find out more about this error by using the show commands for the specified object and identify the possible trigger for the modify.

%FED_L3_ERRMSG-3-mpls_pause_create : Critical limit reached for MPLS [chars] resource. Create paused

Explanation	The specified MPLS local label is recursive and is not yet supported.
Recommended Action	Find out more about this error by using the show commands for the specified local_label and modify the config using LDP filters to remove recursive labels.

%FED_L3_ERRMSG-3-mpls_resume_create : Resuming create for MPLS [chars] resource.

Explanation	The specified MPLS local label is recursive and is not yet supported.
Recommended Action	Find out more about this error by using the show commands for the specified local_label and modify the config using LDP filters to remove recursive labels.

%FED_L3_ERRMSG-3-mpls_out_of_resource : Out of resource for MPLS [chars]. Failed to program [chars] in hardware

Explanation	Running out of Hardware resource to support the scale of this MPLS feature.
Recommended Action	Verify supported scale for the platform from sdm and reduce the scale accordingly. Capture show platform command for mpls summary, team utilization and resource utilization

%FED_L3_ERRMSG-3-mpls_unsupported_feature : Unsupported feature. Failed to program [chars] in hardware

Explanation	The feature is not yet supported.
Recommended Action	Find out more about this unsupported feature from the release documents and remove the command from the interface config mode

%FED_L3_ERRMSG-3-intf_err : [chars] interface [chars]

Explanation	Error in HW programming for Interface.
Recommended Action	Find out more about this failure from ifm show outputs and debugs for the interface

FED_PM through FILESYS

- [FED_PM](#)
- [FED_PTP_ERRMSG](#)
- [FED_PUNJECT](#)
- [FED_QOS_ERRMSG](#)
- [FED_SRVO_ERRMSG](#)
- [FED_STP_ERRMSG](#)
- [FED_VLAN_TRANSLATE_ERRMSG](#)
- [FFP_HW_IRQ](#)
- [FIB](#)
- [FILESYS](#)

FED_PM

%FED_PM-3-HW_ERROR : Port Manager error -[chars] hardware update failed.

Explanation	An error occurred in Port Manager code.
Recommended Action	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_PM-3-RESRC_ERROR : Port Manager error -[chars] resource access failed.

Explanation	An error occurred in Port Manager code.
Recommended Action	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_PM-3-FRU_TRANSCEIVER_TIMEOUT : Transceiver event handling for interface [chars] timed out. Remove and re-insert the FRU module containing this interface to recover.

Explanation	Than handling onf a transceiver event took too long for the given interface.
Recommended Action	Remove and re-insert the FRU module containing this interface. The system should recover from this failure condition after that.

%FED_PM-3-FRU_SWITCH_TIMEOUT : Transeiver update timed out. Remove and re-insert all FRUs in this switch to recover.

Explanation	An FRU update event took too long to process on this switch. The FRUs on this switch may not be recognized or function properly after this.
Recommended Action	Remove and re-insert all FRUs on this switch. The system should recognize and process them correctly after that.

%FED_PM-3-FRU_TIMEOUT : FRU module [dec] bringup timed out. Remove and re-insert it to recover.

Explanation	The given FRU module in the switch in question could not be recognized because it took too long do so.
Recommended Action	Remove and re-insert the specified FRU module. The system should recognize it correctly after that.

FED_PTP_ERRMSG

%FED_PTP_ERRMSG-6-UNSUPPORTED : [chars] is unsupported

Explanation	The requested configuration is not supported.
Recommended Action	Please do not use the current configuration.

%FED_PTP_ERRMSG-6-NOTALLOWED : [chars] is not allowed.

Explanation	The requested configuration is not allowed.
Recommended Action	Please try to modify your configuration.

%FED_PTP_ERRMSG-3-ATTACHERROR : Failed to run PTP [chars].

Explanation	An error occurs when running PTP.
Recommended Action	Find out more about the error by using show mgmt-infra trace messages fed-ptp-config-error switch number command

%FED_PTP_ERRMSG-3-DETACHERROR : Failed to run PTP [chars]

Explanation	Error occurs when running PTP.
Recommended Action	Find out more about the error by using show mgmt-infra trace messages fed-ntp-config-error switch number command

FED_PUNJECT

%FED_PUNJECT-6-PKT_CAPTURE_FULL : Punject pkt capture buffer is full. Use show command to display the punted packets.

Explanation	All the available punt capture buffers have been written with punted packets.
Recommended Action	No action is needed.

FED_QOS_ERRMSG

%FED_QOS_ERRMSG-3-TABLEMAP_INIT_ERROR : Failed to initialize [chars].

Explanation	An error occurred during table-map initialization.
Recommended Action	Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-3-TABLEMAP_INGRESS_HW_ERROR : Failed to [chars] for [chars]: code [dec].

Explanation	An error occurred when programming ingress table-map to hardware.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-3-TABLEMAP_EGRESS_HW_ERROR : Failed to [chars] for [chars]: code [dec].

Explanation	An error occurred when programming egress table-map to hardware.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-4-TABLEMAP_OVERFLOW : Failed to attach [chars]. No more table-maps are available.

Explanation	The system supports up to 16 table-maps per direction. This limit has been reached.
Recommended Action	failed actionUnconfigure some of the table-maps to make the resource available.

%FED_QOS_ERRMSG-3-LABEL_2_QUEUE_MAPPING_HW_ERROR : Failed to [chars] for [chars]: code [dec].

Explanation	An error occurred in programming label to queue map.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-4-LABEL_2_QUEUE_MAPPING_OVERFLOW : Failed to [chars]. No more queue-maps are available.

Explanation	The system supports up to 8 queue-maps. This limit has been reached.
Recommended Action	failed actionUnconfigure some of the queuing policies to make the resource available.

%FED_QOS_ERRMSG-3-QUEUE_BUFFER_HW_ERROR : Failed to [chars] for [chars]: code [dec].

Explanation	An error occurred when programming the queue buffer.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-3-QUEUE_SCHEDULER_HW_ERROR : Failed to [chars] for [chars]: code [dec].

Explanation	An error occurred when programming the queue scheduler.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-3-AFD_QUEUE_HW_ERROR : Failed to program AFD [chars] virtual queue for [chars].

Explanation	An error occurred in programming the Approximate Fair Dropping virtual queue.
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%FED_QOS_ERRMSG-3-AFD_QUEUE_HW_ERROR : Failed to program AFD [chars] virtual queue for [chars].

Recommended Action Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-4-TCAM_OVERFLOW : Failed to program TCAM for policy-map [chars] on [chars].

Explanation The TCAM resources are exhausted.

Recommended Action Unconfigure features to make TCAM resources available.

%FED_QOS_ERRMSG-4-APPLICATION_ID_OVERFLOW : Failed to allocate application ID for policy-map [chars] on [chars].

Explanation The application IDs are exhausted.

Recommended Action Reduce the number of applications to make application ID available.

%FED_QOS_ERRMSG-4-POLICER_OVERFLOW : Failed to [chars] for [chars]. No policer resource is available.

Explanation The policer resource limit has been reached.

Recommended Action failed actionUnconfigure some policers to make the resource available.

%FED_QOS_ERRMSG-4-NETFLOW_TABLE_OVERFLOW : Failed to program netflow entries for policy-map [chars] for client mac:[chars] iifid:[hex]. No netflow resource is available.

Explanation The netflow resources are exhausted.

Recommended Action Unconfigure features to make the netflow resource available.

%FED_QOS_ERRMSG-3-NETFLOW_TABLE_HW_ERROR : Failed to program netflow entries for policy-map [chars] for client mac:[chars] iifid:[hex]. code:[dec].

Explanation An error occurred in programming netflow table.

Recommended Action Find out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-3-AFD_POLICER_HW_ERROR : Failed to [chars] for [chars].

Explanation	An error occurred in programming the Approximate Fair Dropping policer.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-3-POLICER_HW_ERROR : Failed to [chars] for [chars]: code [dec].

Explanation	An error occurred in programming the policer.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-4-POLICER_MAP_TABLE_OVERFLOW : Failed to [chars] for [chars]. No more policer map tables are available.

Explanation	The ASIC supports up to 64 policer map tables. This limit has been reached.
Recommended Action	failed actionUnconfigure some policer maps to make the resource available.

%FED_QOS_ERRMSG-3-POLICER_MAP_HW_ERROR : Failed to [chars] for [chars]: code [dec].

Explanation	An error occurred in programming the policer map.
Recommended Action	failed actionFind out more about the error by using the show tech-support privileged EXEC command and by copying the error message exactly as it appears on the console or system log and entering it in the Output Interpreter tool. Use the Bug Toolkit to look for similar reported problems.

%FED_QOS_ERRMSG-4-OUTPUT_CLIENT_POLICY_ERROR : Unsupported output client policy([chars]) - range operators.

Explanation	Unsupported policy.
Recommended Action	Range operators are not supported in client output policy

%FED_QOS_ERRMSG-4-OUTPUT_ACS_CLIENT_POLICY_ERROR : Unsupported output client policy([chars]).

Explanation Unsupported policy.

Recommended Action Unsupported client output policy

%FED_QOS_ERRMSG-4-CONFIGURE_PORT_TYPE_HW_ERROR : Failed to configure port [chars] as [chars] port in hardware. rc:[dec].

Explanation The port could not be configured in hardware

Recommended Action Try to shutdown the port and then unshut the port

FED_SRVO_ERRMSG

%FED_SRVO_ERRMSG-6-UNSUPPORTED : [chars] is unsupported

Explanation The requested configuration is not supported.

Recommended Action Please do not use the current configuration.

%FED_SRVO_ERRMSG-6-NOTALLOWED : [chars] is not allowed.

Explanation The requested configuration is not allowed.

Recommended Action Please try to modify your configuration.

%FED_SRVO_ERRMSG-3-ATTACHERROR : Failed to run SRVO [chars].

Explanation An error occurs when running SRVO.

Recommended Action Find out more about the error by using show mgmt-infra trace messages
fed-srvo-config-error switch number command

%FED_SRVO_ERRMSG-3-DETACHERROR : Failed to run SRVO [chars]

Explanation Error occurs when running SRVO.

Recommended Action Find out more about the error by using show mgmt-infra trace messages
fed-srvo-config-error switch number command

FED_STP_ERRMSG

%FED_STP_ERRMSG-3-MAX_INSTANCES : The maximum number of STP instances has been reached:[dec]

Explanation The maximum number of STP instances that can be programmed has been reached.

Recommended Action Delete or resolve loops manually for the vlans created further.

FED_VLAN_TRANSLATE_ERRMSG

%FED_VLAN_TRANSLATE_ERRMSG-6-UNSUPPORTED : [chars] is unsupported

Explanation The requested configuration is not supported.

Recommended Action Please do not use the current configuration.

%FED_VLAN_TRANSLATE_ERRMSG-6-NOTALLOWED : [chars] is not allowed.

Explanation The requested configuration is not allowed.

Recommended Action Please try to modify your configuration.

%FED_VLAN_TRANSLATE_ERRMSG-3-ATTACHERROR : Failed to run VLAN_TRANSLATE [chars].

Explanation An error occurs when running VLAN_TRANSLATE.

Recommended Action Find out more about the error by using show mgmt-infra \ trace messages
fed-vlan_translate-config-error switch number \ command

%FED_VLAN_TRANSLATE_ERRMSG-3-DETACHERROR : Failed to run VLAN_TRANSLATE [chars]

Explanation Error occurs when running VLAN_TRANSLATE.

Recommended Action Find out more about the error by using show mgmt-infra \ trace messages
fed-vlan_translate-config-error \ switch number command

FFP_HW_IRQ

%FFP_HW_IRQ-3-NON_FATAL_INTERRUPT : [int] errors in the last [int] seconds, MSGDEF_LIMIT_MEDIUM

Explanation Accumulation of Cavium hardware-generated error

Recommended Action LOG_STD_ACTION

%FFP_HW_IRQ-3-TOO_MANY_NON_FATAL_INTERRUPTS :

Explanation	Aborting due to too many Cavium hardware-generated errors
Recommended Action	LOG_STD_ACTION

FIB

%FIB-2-IDBQINIT : Error initializing CEF IDB queue

Explanation	Initialization of the CEF IDB queue 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.

%FIB-2-LINECARDINIT : Error initializing CEF Linecard queue

Explanation	Initialization of the CEF linecard queue 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.

%FIB-2-XDRINIT : Error initializing CEF xdr chunks

Explanation	Initialization of the CEF xdr chunks 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.

%FIB-2-FIBFEATSESINIT : Error initializing CEF repop feature session queue

Explanation	Initialization of a CEF feature session queue 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.

%FIB-2-DFIBSWITCH : Error trying to turn on Distributed CEF without CEF on

Explanation	IPV4FIB_INTERNAL_ERROR
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%FIB-2-DFIBSWITCH : Error trying to turn on Distributed CEF without CEF on

Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center 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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%FIB-3-FIBXRLEN : Invalid XDR length. Type [dec][chars]. XDR/buffer len [dec]/[dec]

Explanation	IPV4FIB_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.

%FIB-3-FIBBADXRSLLOT : Invalid XDR slot. Type/len/slot [dec]/[dec]/[chars]. XDR at [hex]

Explanation	IPV4FIB_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.

%FIB-4-FIBSPECIALPREFIX : Invalid Special Prefix Type. Type [dec]

Explanation	IPV4FIB_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.

%FIB-4-FIBEVENT : Invalid event. Type [chars], event [dec]

Explanation	IPV4FIB_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.

%FIB-4-FIBXDRINV : Invalid format. [chars] [chars] ([dec])

Explanation IPV4FIB_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.

%FIB-2-FIBDISABLE : Fatal error, slot [chars]: [chars]

Explanation An internal software error has occurred because of an IPC problem between the LC and the RP. CEF switching has been disabled on the specified slot.**Recommended Action** Enter the `clear cef linecard [slot no]` command, then check the status of the line card by entering the `show cef linecard` command. If the status shows that the line card is still disabled, disable and re-enable DCEF and check the status of the line card again. LOG_STD_RECUR_ACTION

%FIB-3-INVALIDSTATE : Slot [chars] in invalid transition from [chars] to [chars]

Explanation An internal software error occurred. Linecard is in incorrect 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.

%FIB-4-FIBLCTUNSEQ : [chars] Error Initializing/Updating Linecard Tunnel Configuration

Explanation Configuration of a Tunnel on this linecard may not have been successful because of an internal software error.**Recommended Action** Reconfigure the Tunnel concerned. If problem persists copy the message exactly as it appears, and report it to your technical support representative.

%FIB-6-FIBLCTUNDELSEQ : Update received on a linecard for a deleted tunnel([chars]) - ignored.

Explanation An update was received on a linecard for a tunnel that has already been deleted and the update was ignored.**Recommended Action** No action is required.

%FIB-4-FIBCBLK : Missing cef table for tableid [dec] during [chars] event

Explanation	IPV4FIB_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.

%FIB-2-FIBDOWN : CEF has been disabled due to a low memory condition. It can be re-enabled by configuring ip cef [distributed]

Explanation	CEF was disabled because of a low memory condition.
Recommended Action	Reduce other system activity to ease memory demands. If conditions warrant, upgrade the RP so that it has more DRAM.

%FIB-2-FIB_OVERLENGTH_XDR : Overlength CEF XDR message - len [dec] > [dec] from [chars]

Explanation	An internal software error occurred preventing the sending of an CEF XDR 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.

%FIB-3-FIBSBINIT : Error initializing [chars] subblock data structure. [chars]

Explanation	Initialization of the specified CEF 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.

%FIB-3-FIBSBNOFN : Missing [chars] subblock [chars] function for [chars]

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

%FIB-3-FIBPENDINGLIST : Error queueing interface [chars] to CEF pending event list.

Explanation	Queueing an interface to the CEF pending up event list 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.

%FIB-3-MAC_ACCT : [chars]: [chars]

Explanation	IPV4FIB_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.

%FIB-3-PREC_ACCT : [chars]: [chars]

Explanation	IPV4FIB_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.

FILESYS

%FILESYS-5-DEV : PCMCIA flash card [chars] [chars]

Explanation	A file system's status has changed. Follow any instructions provided with the message.
Recommended Action	No action is required.

%FILESYS-5-IFLASH : Internal Flash [chars] [chars]

Explanation	A file system's status has changed. Follow any instructions provided with the message.
Recommended Action	No action is required.

%FILESYS-5-UNKNDEV : Unknown device [chars] [chars]

Explanation	A file system's status has changed. Follow any instructions provided with the message.
Recommended Action	No action is required.

%FILESYS-3-FLASH : [chars] [chars] error [dec]

Explanation	A file system error 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/). Issue the show tech-support command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FILESYS-4-RCSF : [chars] ([dec]) <[chars]>

Explanation	A Running config sync file error 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/). Issue the show tech-support command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FILESYS-5-MISMATCH : [chars] device programming algorithm mismatch detected, reformat is recommended

Explanation	The flash device programming algorithm written to the device when the flash was formatted is different from what the current running software detected. A reformat of the flash device will solve the problem.
Recommended Action	No action is required.

%FILESYS-3-IPC : [chars] [chars]: IPC error [[chars]]

Explanation	RFS operation failed due to an IPC error.
Recommended Action	

%FILESYS-5-CFLASH : Compact flash card [chars] [chars]

Explanation A file system's status has changed. Follow any instructions provided with the message.

**Recommended
Action**

%FILESYS-4-CLPDINT : Management interrupts are [chars] for pcmcia device in socket [dec]. [chars]

Explanation A faulty PCMCIA flash device might be generating spurious insert or remove interrupts continuously. The pcmcia controller will be set temporarily to disable interrupt generation and will be reenabled after a few seconds. This is to avoid storming CPU with spurious interrupts. If the (alternate) pcmcia device is inserted while the interrupts are disabled, sometimes the device may not be readable. You have to remove and reinsert the pcmcia device once again.

**Recommended
Action** Replace the pcmcia flash device with an alternate one

FILESYS_RFS through FMANRP_ACL

- [FILESYS_RFS](#)
- [FILTER](#)
- [FILTER_BINARY_NOTIFICATION](#)
- [FLASH_CHECK](#)
- [FLEXDSPRM](#)
- [FLEX_DNLD](#)
- [FLOWSPEC](#)
- [FMANFP](#)
- [FMANRP](#)
- [FMANRP_ACL](#)

FILESYS_RFS

%FILESYS_RFS-3-IPC : [chars] [chars]: msg_type [[dec]] sub_type [[dec]]: IPC error [[chars]]

Explanation RFS operation failed due to an IPC error.

**Recommended
Action**

%FILESYS_RFS-4-RFS_REQUEST_TIMEOUT : Timeout has occurred while executing the RFS request on file [chars] [[dec]].

Explanation A RFS request is sent to server from the client. While executing the request on the server side, timeout has occurred at the client side.

Recommended Action No action is required.

FILTER

%FILTER-3-EWLC_APFILTER_REGEX_CREATE_ERR : Error in [chars]Error in [chars]

Explanation General Wireless LAN Controller Error Message.APFilter regular expression error

Recommended Action Recreate regular expression correctly

FILTER_BINARY_NOTIFICATION

%FILTER_BINARY_NOTIFICATION-5-MERGE_COMPLETED : Merged logs generation completed.

Explanation Notification to user that merged logs are generated

Recommended Action Go to bootflash and view the merged logs

FLASH_CHECK

%FLASH_CHECK-3-DISK_QUOTA : Flash disk quota exceeded [free space is [dec] kB] - Please clean up files on bootflash.

Explanation The remaining free space on the flash disk is below the recommended threshold of at least 30 percent of the installed RP memory. This limits the system from core files necessary to root cause critical system faults.

Recommended Action Please remove unneeded files from bootflash: device. Any core files under the bootflash:/core directory should be reported and then deleted.

FLEXDSPRM

%FLEXDSPRM-5-CB_UPDOWN : Channel Bank [chars] state is [chars]

Explanation Channel Bank status has been changed

%FLEXDSPRM-5-CB_UPDOWN : Channel Bank [chars] state is [chars]

Recommended Action See if the voice ports in the channel bank are UP

%FLEXDSPRM-5-OUT_OF_RESOURCES : [chars]

Explanation Flex DSPRM temporarily fail to allocate a DSP for this call. A oversubscription has happened and the current free DSP MIPS/Credits are not sufficient to admit a new call.

Recommended Action Check availability of router DSP resource and DSP sharing configurations

%FLEXDSPRM-6-DSP_USAGE : DSP [chars] usage has reached [dec]%%

Explanation Usage of DSP resources has reached a certain percentage.

Recommended Action Examine whether or not enough DSP resources are reserved.

%FLEXDSPRM-3-TDM_CONNECT : failed to connect voice-port ([dec]/[dec]/[dec]) to dsp_channel([dec]/[dec]/[dec])

Explanation TDM connection between Analog/VWIC and the DSP 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.

%FLEXDSPRM-5-TDM_SLOT : voice channel is being shared from slot [dec]. Configure network-clock-participate slot [dec]

Explanation Configure network-clock-participate slot for sharing DSPs

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

%FLEXDSPRM-3-UNSUPPORTED_CODEC : codec [chars] is not supported on dsp [dec]/[dec]

Explanation Call failed due to the dsp does not support the codec.

%FLEXDSPRM-3-UNSUPPORTED_CODEC : codec [chars] is not supported on dsp [dec]/[dec]

Recommended Action Check dsp capability and make the call on supported dsp

FLEX_DNLD

%FLEX_DNLD-1-NOPCIMEMORY : VPM ([dec]/[dec]), PCI memory unavailable.

Explanation The router or access server could not allocate memory for the descriptors.

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

%FLEX_DNLD-1-INCORRECT_DSP_ID : AIM VOICE at slot [dec] receives data from incorrect DSP-ID [dec].

Explanation The DSP ID provided by FPGA for download is not valid.

Recommended Action Call your technical support representative for assistance.

%FLEX_DNLD-3-ERROR_FIRMWARE_DNLD : DSP firmware download fails for slot [dec] dsp_id [dec]

Explanation Error initializing the DSP with the application firmware.

Recommended Action Power down, reinsert Port Module and reboot. If message recurs, call your technical support representative for assistance.

%FLEX_DNLD-3-NO_FIRMWARE_DNLD : No DSP firmware download invoked for slot [dec], no DSPs on the card

Explanation No DSP on the card.

Recommended Action Plug in DSP on the Network Module

%FLEX_DNLD-1-TOOBIG : [chars], packet(size [dec]) too big.

Explanation A packet greater than the 264 bytes received on this interface.

Recommended Action The system should recover. No action is required. If the problem reoccurs, it indicates an error that might be related to data traffic patterns. Copy the error message exactly as it appears, and report it to your technical support representative.

%FLEX_DNLD-3-ERROR_ANALYZE : Error analyzing the device in slot [dec].

Explanation	The Port module in this slot could not be recognized.
Recommended Action	Power down, reinsert Port Module and reboot. If message recurs, call your technical support representative for assistance.

%FLEX_DNLD-1-NO_RING_DESCRIPTOR : No more ring descriptors available on slot [dec] dsp [dec].

Explanation	The dspfw dnld driver cannot queue messages upto the egress queue for FPGA to transmit.
Recommended Action	Copy the error message exactly as it appears, and report it to your technical support representative. Reset the DSP's on this port module.

FLWSPEC

%FLWSPEC-3-CLIENT_ALLOC : Failed to alloc ([int] hdr) + ([int] items)*([int] bytes) = ([int] total bytes) for '[chars]', errno [dec]:[chars].

Explanation	The FlowSpec client infra has failed to allocate memory. This may be due to lowmemory conditions on this particular RP/LC, or this client may be using morememory than it is allowed.
Recommended Action	Reduce system scale.

%FLWSPEC-3-CLIENT_ENABLE : Failed to initialize '[chars]' when enabling FlowSpec feature, [hex]:[chars].

Explanation	When 'flowspec' configuration is first added, the FlowSpec client infrainitializes in client processes, namely BGP. Something has failed in thisprocess any may prevent FlowSpec from functioning.
Recommended Action	Remove and re-add 'flowspec' configuration. If the problem repeats, contactCisco support.

%FLWSPEC-3-MGR_ALLOC : Failed to alloc ([int] hdr) + ([int] items)*([int] bytes) = ([int] total bytes) for '[chars]', errno [dec]:[chars].

Explanation	The FlowSpec Manager process (flowspec_mgr) has failed to allocate memory. This may be due to low memory conditions on this particular RP/LC, or this process may be using more memory than it is allowed.
Recommended Action	Reduce system scale.

%FLOWSPEC-3-MGR_CLASS_CREATE : Failed to create inline-class for flow [chars] with actions [chars] in table [chars], overall:[hex]:[chars], [hex]:[chars].

Explanation FlowSpec failed to create the inline-class representing the flow in the table (VRF+AFI). This will prevent the flow from functioning in this table.

Recommended Action Unconfigure and reconfigure local-install for this table. FlowSpec can further be entirely unconfigured and reconfigured. If the problem persists, contact Cisco support.

%FLOWSPEC-3-MGR_EVM : FlowSpec Manager failed to receive event from [chars] EVM, [hex]:[chars].

Explanation The event processing infra has returned a fatal error.

Recommended Action Allow FlowSpec Manager to restart. If the problem persists, contact Cisco support.

%FLOWSPEC-3-MGR_GEN_ERR : FlowSpec internal error: [chars], [hex]:[chars].

Explanation An internal software error occurred.

Recommended Action *SUPPORT*

%FLOWSPEC-3-MGR_INIT : FlowSpec Manager failed to initialize '[chars]', [hex]:[chars].

Explanation When 'flowspec' configuration is first added, the FlowSpec Manager (flowspec_mgr) process starts and initializes. Something has failed in this procedure and may prevent FlowSpec from functioning.

Recommended Action Allow FlowSpec Manager to restart. You can further remove and re-add 'flowspec' configuration. If the problem persists, contact Cisco support.

%FLOWSPEC-3-MGR_LOCK : FlowSpec Manager lock operation [chars] failed, error %#d.

Explanation An internal lock has failed.

Recommended Action FlowSpec manager may be restarted, if it doesn't restart automatically. If the problem persists, contact Cisco support.

%FLOWSPEC-3-MGR_POLICY_ATTACH : Failed to attach policy-map [chars] for table [chars], [hex]:[chars].

Explanation FlowSpec failed to attach the policy-map for this table (VRF+AFI). This will prevent flows from functioning on this table.

Recommended Action Unconfigure and reconfigure local-install for this table. FlowSpec can further be entirely unconfigured and reconfigured. If the problem persists, contact Cisco support.

%FLOWSPEC-3-MGR_POLICY_CREATE : Failed to create policy-map [chars] for table [chars], [hex]:[chars].

Explanation FlowSpec failed to create the policy-map for this table (VRF+AFI). This will prevent flows from functioning on this table.

Recommended Action Unconfigure and reconfigure local-install for this table. FlowSpec can further be entirely unconfigured and reconfigured. If the problem persists, contact Cisco support.

%FLOWSPEC-3-MGR_POLICY_DELETE : Failed to delete policy-map [chars] handle %#llx for table [chars], [hex]:[chars].

Explanation FlowSpec failed to delete the policy-map for this table (VRF+AFI). This may leave the system in an inconsistent state for this table and prevent FlowSpec from recreating the table.

Recommended Action Unconfigure and reconfigure local-install for this table. FlowSpec can further be entirely unconfigured and reconfigured. If the problem persists, contact Cisco support.

FMANFP

%FMANFP-6-IPACCESSLOGP : list [chars] [chars] [chars] [chars]([int]) [chars]-> [chars]([int]), [int] packet[chars]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPACCESSLOGNP : list [chars] [chars] [int] [chars] [chars]-> [chars], [int] packet[chars]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPACCESSLOGDP : list [chars] [chars] [chars] [chars] [chars]-> [chars] ([int]/[int]), [int] packet[chars]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPV6ACCESSLOGP : list [chars] [chars] [chars] [chars]([int]) [chars]-> [chars]([int]), [int] packet[chars]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPV6ACCESSLOGDP : list [chars] [chars] [chars] [chars] [chars]-> [chars] ([int]/[int]), [int] packet[chars]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPV6ACCESSLOGNP : list [chars] [chars] [int] [chars] [chars]-> [chars], [int] packet[chars]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-FMANACLLOGMISSMSG : access-list logging datapath rate-limited or missed [int] packet[chars]

Explanation Some packet matching logs were missed because the access list log messages were rate-limited or no access list log buffers were available.

Recommended Action No action is required.

%FMANFP-6-CRYPTO_DEVICE_REQUEST_COMPLETE : Crypto-device is ready to process packets

Explanation Crypto-device is load with new core based on user request. Now it is ready to process packets

Recommended Action No action is required.

%FMANFP-3-CRYPTO_DEVICE_REQUEST_FAILED : Crypto-device is busy processing last request. This request will be discarded

Explanation Crypto-device is still processing previous reload request or still processing crypto feature packets. New request will not be applied

Recommended Action No action is required.

%FMANFP-6-CRYPTO_DEVICE_NOT_PRESENT : Hardware crypto-device is not present. Request aborted

Explanation Hardware crypto-device is not present on the system. User request doesn't apply or be executed. This may not be an error.

Recommended Action No action is required.

%FMANFP-3-LICENSE_THPUT_INVALID : Invalid throughput [int]kbps

Explanation The throughput value is invalid. The forwarding engine will not operate at the throughput value.

Recommended Action Report this occurrence to Engineering. Use Topic to search for a similar DDTS. If you find none, write a DDTS for this problem.

%FMANFP-3-CRYPTO_LICENSE_THPUT_THRESHOLD_EXCEED : Average crypto throughput rate exceeded [dec] percent of licensed crypto bandwidth of [int] bps during [dec] sampling periods in the last 24 hours, sampling period is [dec] seconds

Explanation To monitor crypto throughput and, to generate notification/warning if the average throuput utilization over a longer time are approaching or exceeding the cypro licensed bandwidth

Recommended Action No action is required.

%FMANFP-3-CRYPTO_LICENSE_THPUT_MAX_APPROACHED : Average crypto throughput rate approached the licensed crypto bandwidth of [int] bps during [dec] sampling periods in the last 24 hours, sampling period is [dec] seconds

Explanation To monitor crypto throughput and, to generate notification/warning if the average throuput utilization over a longer time are approaching or exceeding the cypro licensed bandwidth

Recommended Action No action is required.

%FMANFP-6-IPACCESSLOGSGP : ingress_interface='[chars]' sgACL_name='[chars]' action='[chars]' protocol='[chars]' src-ip='[chars]' src-port='[int]' dest-ip='[chars]' dest-port='[int]' sgt='[int]' dgt='[int]' logging_interval_hits='[int]'

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPACCESSLOGSGNP : ingress_interface=[chars] sgACL_name=[chars] action=[chars] protocol=[int] src-ip=[chars] dest-ip=[chars] sgt=[int] dgt=[int] logging_interval_hits=[int]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPACCESSLOGSGDP : ingress_interface=[chars] sgACL_name=[chars] action=[chars] protocol=[chars] src-ip=[chars] dest-ip=[chars] type=[int] code=[int] sgt=[int] dgt=[int] logging_interval_hits=[int]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPV6ACCESSLOGSGP : ingress_interface=[chars] sgACL_name=[chars] action=[chars] protocol=[chars] src-ip=[chars] src-port=[int] dest-ip=[chars] dest-port=[int] sgt=[int] dgt=[int] logging_interval_hits=[int]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPV6ACCESSLOGSGNP : ingress_interface=[chars] sgACL_name=[chars] action=[chars] protocol=[int] src-ip=[chars] dest-ip=[chars] sgt=[int] dgt=[int] logging_interval_hits=[int]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

%FMANFP-6-IPV6ACCESSLOGSGDP : ingress_interface=[chars] sgACL_name=[chars] action=[chars] protocol=[chars] src-ip=[chars] dest-ip=[chars] type=[int] code=[int] sgt=[int] dgt=[int] logging_interval_hits=[int]

Explanation A packet matching the log criteria for the given access list was detected.

Recommended Action No action is required.

FMANRP**%FMANRP-4-INVALID_CCE_POSITION : Invalid position '[dec]' prevented [chars]**

Explanation	A messaging error has occurred during service-policy modification and the configuration could not be downloaded properly
Recommended Action	Report this occurrence to Engineering. Use Topic to search for a similar DDTS. If you find none, write a DDTS for this problem.

%FMANRP-3-OBJ_DWNLD_TO_FP_FAILED : [chars] download to FP failed

Explanation	An object has failed to download to the forwarding processor (FP)
Recommended Action	Examine the process logs to identify the cause for object download failure

FMANRP_ACL**%FMANRP_ACL-4-NOSWIDB : Sub-interface is null**

Explanation	An unexpected condition has occurred which is due to the absence of a swidb structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show ip interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-NOSEB : Subblock on interface [chars] ([hex]) is null

Explanation	An unexpected condition has occurred which is due to the absence of a subblock structure on 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/). Issue the show ip interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-NOACL : ACL is null

Explanation	An unexpected condition has occurred which is due to the absence of an ACL structure.
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%FMANRP_ACL-4-NOACL : ACL 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/>). Issue the **show ip access-list** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-NOV4ACE : v4 ACE is null

Explanation An unexpected condition has occurred which is due to the absence of an v4 ACE structure.

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

%FMANRP_ACL-4-NOV6ACE : v6 ACE is null

Explanation An unexpected condition has occurred which is due to the absence of an v6 ACE structure.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). Issue the **show ipv6 access-list** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-NOMACACE : mac ACE is null

Explanation An unexpected condition has occurred which is due to the absence of an mac ACE structure.

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

%FMANRP_ACL-4-INVALIDV4ACETYPE : v4 ACE type is invalid

Explanation	An unexpected condition has occurred which is due to the type of v4 ACE 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/). Issue the show ip access-list command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-INVALIDV6OP : Operation is invalid

Explanation	An unexpected condition has occurred which is due to the operation performed
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show ipv6 access-list command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-UPDV4STATSERR : Update v4 ACL statistics error

Explanation	An unexpected condition has occurred when updating v4 ACL 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/). Issue the show ip access-list command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-UPDV6STATSERR : Update v6 ACL statistics error

Explanation	An unexpected condition has occurred when updating v6 ACL 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/). Issue the show ipv6 access-list command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-UPDMACSTATSERR : Update mac ACL statistics error

Explanation	An unexpected condition has occurred when updating mac ACL 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/). Issue the show access-list command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-4-TMPLACLINITERR : Template ACL initialization error

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

%FMANRP_ACL-4-TMPLACLNOMEMERR : Template ACL no memory error

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

%FMANRP_ACL-4-TMPLACLDISABLEERR : Not enough resources to disable template ACL

Explanation	Not enough resurces to store individual ACLs
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show ip access-list template summary command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_ACL-3-EXPOGACLIMITERR : Expanded OGACL ([chars]) size ([dec]) exceeded MAX ACL limit ([dec])

Explanation	Expanded OGACL size exceeded the maximum ACL limit. Command rejected
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the Reduce # of ACEs in the ACL command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

FMANRP_DPSS through FMANRP_QOS

- [FMANRP_DPSS](#)
- [FMANRP_EVPN](#)
- [FMANRP_IPSEC](#)
- [FMANRP_MFR](#)
- [FMANRP_MPLS](#)
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- [FMANRP_NETFLOW](#)
- [FMANRP_PBR](#)
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- [FMANRP_QOS](#)

FMANRP_DPSS

%FMANRP_DPSS-3-DPSSFOIPCALLOC : Failed to alloc IPC buffer for dpss feature object [hex] config message

Explanation	This operation to allocate IPC buffer for dpss feature object configuration 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.

%FMANRP_DPSS-3-DPSSFOTDLMSGMARSHAL : Failed to copy dpss feature object config message to IPC buffer for fo_hdl [hex]

Explanation	This operation to build a TDL message for dpss feature object configuration 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.

%FMANRP_DPSS-3-DPSSFOIOSDENQUEUE : Failed to enqueue dpss feature object [hex] config message for transmission

Explanation	This operation to enqueue an IPC message for sending 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.

%FMANRP_DPSS-3-DPSSFOTDLCREATE : Failed to create tdl msg for dpss feature object [hex] config message

Explanation	This operation to create an TDL 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.

%FMANRP_DPSS-3-DPSSFOTDLSET : Failed to set tdl msg detail for dpss feature object [hex] config message

Explanation	This operation to set an TDL 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.

%FMANRP_DPSS-3-DPSSGLOBALTDLCREATE : Failed to create tdl msg for dpss global config message

Explanation	This operation to create an TDL message has failed.
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%FMANRP_DPSS-3-DPSSGLOBALDLCREATE : Failed to create tdl msg for dpss global config 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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%FMANRP_DPSS-3-DPSSGLOBALDLSSET : Failed to set tdl msg detail for dpss global config message

Explanation	This operation to set an TDL 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.

%FMANRP_DPSS-3-DPSSGLOBALIPCALLOC : Failed to alloc IPC buffer for dpss global config message

Explanation	This operation to allocate IPC buffer for dpss global configuration 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.

%FMANRP_DPSS-3-DPSSGLOBALDLSMSGMARSHAL : Failed to copy dpss global config message to IPC buffer

Explanation	This operation to build a TDL message for dpss global configuration 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.

%FMANRP_DPSS-3-DPSSGLOBALIOSDENQUEUE : Failed to enqueue dpss global config message for transmission

Explanation	This operation to enqueue an IPC message for sending has failed.
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%FMANRP_DPSS-3-DPSSGLOBALIOSDENQUEUE : Failed to enqueue dpss global config message for transmission

Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center 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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FMANRP_EVPN

%FMANRP_EVPN-3-UNSPOP : Unsupport operation

Explanation	An unexpected operation is get during EVPN 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.

FMANRP_IPSEC

%FMANRP_IPSEC-6-HAPI_PCP_NACK : [chars]: PCP NACK (trans [hex], opcode [hex], errcode [hex]): crypto hardware configuration may be out of sync.

Explanation	A failure has occurred during security policy downloading in crypto hardware. The command is rejected.
Recommended Action	The configuration may be ignorable or recovered automatically in crypto hardware. The session may still be functional but less than optimal performance. If you determine that the system is adversely affected then Embedded Services Processor (ESP) tracelog should be collected. LOG_STD_ACTION

%FMANRP_IPSEC-3-HAPI_PCP_UNEXP_REPLY : [chars]: PCP (trans [hex], opcode [hex]): unexpected reply from crypto hardware.

Explanation	An unexpected internal software error. Engineering must be reported and investigate this occurrence.
Recommended Action	Report this occurrence to Engineering. Use Topic to search for a similar DDTS. If you find none, write a DDTS for this problem.

FMANRP_MFR**%FMANRP_MFR-3-TDLFAIL : Unable to send [chars] [chars] message to Forwarding Manager Process ([chars])**

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.

%FMANRP_MFR-3-BNDLFAIL : Unable to [chars] bundle [chars]

Explanation An unexpected condition has occurred at Bundle 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.

%FMANRP_MFR-3-BLFAIL : Unable to [chars] link [chars] [chars]

Explanation An unexpected condition has occurred at Bundle link configuration %s

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

%FMANRP_MFR-3-BLCFGFAIL : Unable to [chars] link [chars] [chars]

Explanation An unexpected condition has occurred at Bundle link configuration %s

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

FMANRP_MPLS**%FMANRP_MPLS-3-NOOBJ : Object entry is null**

Explanation An unexpected condition has occurred which is due to the absence of an object entry structure.

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

%FMANRP_MPLS-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.

%FMANRP_MPLS-3-UNSPTYPE : Not supported bundle type [dec]

Explanation An unexpected condition has occurred which is due to an operation request to an unsupported bundle type 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.

FMANRP_NAT**%FMANRP_NAT-4-NOSWIDB : Sub-interface is null**

Explanation An unexpected condition has occurred which is due to the absence of a swidb structure.

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

%FMANRP_NAT-3-IFTDLMSGMARSHAL : Failed to copy interface config essage to IPC buffer for Interface [chars] ([hex]), domain [chars], operation [chars]

Explanation	This operation to build a TDL message for interface configuration 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.

%FMANRP_NAT-4-NONATSERVICE : Service structure is null

Explanation	An unexpected condition has occurred which is due to the absence of a NAT service structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the <code>show</code> command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-SERTDLMSGMARSHAL : Failed to copy service config message to IPC buffer for application type [dec], protocol type [dec], port [dec]

Explanation	This operation to build a TDL message for service configuration 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.

%FMANRP_NAT-3-SERVICERM : Failed to delete NAT services for appl type [chars], protocol [chars], port [dec]

Explanation	An unexpected condition has occurred which is due to the failure to remove data structures for NAT special 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.

%FMANRP_NAT-4-NOPOOL : Pool structure is null

Explanation	An unexpected condition has occurred which is due to the absence of a NAT pool structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the <code>show</code> command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-4-NOMAPPING : A mapping structure is null

Explanation	An unexpected condition has occurred which is due to the absence of a NAT mapping structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the <code>show</code> command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-4-BADACTION : Invalid action [dec] for NAT configuration

Explanation	An unexpected condition has occurred which is invalid action for a NAT 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/). Issue the <code>show</code> command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-POOLTDLMSGMARSHAL : Failed to copy pool config message to IPC buffer for pool [chars] (id [dec])

Explanation	This operation to build a TDL message for pool configuration 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.

%FMANRP_NAT-3-MAPPINGTDLMSGMARSHAL : Failed to copy mapping config message to IPC buffer for mapping id [dec] (vrf table id [dec])

Explanation	This operation to build a TDL message for mapping configuration 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.

%FMANRP_NAT-3-IFADDRTDLMSGMARSHAL : Failed to copy interface address change message to IPC buffer for interface [chars], new address [IP_address]

Explanation	This operation to build a TDL message for NAT interface address configuration 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.

%FMANRP_NAT-3-VRFDELTDLMSGMARSHAL : Failed to copy VRF delete message to IPC buffer for vrf table id [dec]

Explanation	This operation to build a TDL message for vrf deletion configuration 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.

%FMANRP_NAT-3-TIMEOUTTDLMSGMARSHAL : Failed to copy timeout config message to IPC buffer for timeout type [dec]

Explanation	This operation to build a TDL message for timeout configuration 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.

%FMANRP_NAT-4-NORANGE : Pool address range structure is null

Explanation	An unexpected condition has occurred which is due to the absence of a NAT pool address range structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the <code>show ip nat</code> command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-RANGETDLMSGMARSHAL : Failed to copy pool address range config message to IPC buffer for pool [chars], range start [IP_address], range end [IP_address]

Explanation	This operation to build a TDL message for address range configuration 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.

%FMANRP_NAT-3-PORTLISTTDLMSGMARSHAL : Failed to copy portlist config message to IPC buffer for addr [IP_address], proto [dec], start_port [dec], end_port [dec]

Explanation	This operation to build a TDL message for portlist add/delete 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.

%FMANRP_NAT-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. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the <code>show ip access-lists</code> command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-MAXENTRYTDLMSGMARSHAL : Failed to copy max entry config message to IPC buffer for type [chars], entry data [hex], max_limit [dec]

Explanation	This operation to build a TDL message for max entry add/delete 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.

%FMANRP_NAT-3-STATSUPDTDL : Failed to update NAT [chars] statistics

Explanation	An unexpected condition has occurred when updating 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.

%FMANRP_NAT-3-IPALIASTDL : Error with ipalias message received from data path

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

%FMANRP_NAT-3-IPALIATYPE : Received ipalias message from data path with unsupported address type [dec]

Explanation	An unexpected condition has occurred with received ipalias message from data path with unsupported address 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.

%FMANRP_NAT-3-IPSTATICROUTETDL : Error with static ip route message received from data path

Explanation	An unexpected condition has occurred with received static ip route message from data path
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%FMANRP_NAT-3-IPSTATICROUTETDL : Error with static ip route message received from data path

Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.
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%FMANRP_NAT-3-IPSTATICROUTETYPE : Received ip static route message from data path with unsupported address type

Explanation	An unexpected condition has occurred with received static ip route message from data path with unsupported address 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.

%FMANRP_NAT-3-PORTLISTTDL : Error with portlist allocation request message received from data path

Explanation	An unexpected condition has occurred with received portlist allocation request message from data path
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-PORTLISTTYPE : Address type [dec] for global address in the portlist allocation request is not supported

Explanation	An unexpected address type has occurred with received portlist allocation request message from data path
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-PORTLISTPROTO : Protocol type [dec] for global addr [IP_address] in the portlist allocation request is not supported

Explanation	An unexpected protocol type has occurred with received portlist allocation request message from data path
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-DEBUGTDLMSGMARSHAL : Failed to copy debug NAT request message to IPC buffer

Explanation	This operation to build a TDL message for debug NAT command 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.

%FMANRP_NAT-3-IOSDENQUEUE : Failed to enqueue NAT [chars] message for transmission

Explanation	This operation to enqueue an IPC message for sending 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.

%FMANRP_NAT-3-AVLTREEWALK : Failed to walk NAT [chars] database for [chars]

Explanation	This operation to perform stale processing 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.

%FMANRP_NAT-3-AVLDELETE : Failed to delete node from NAT [chars] database for [IP_address]

Explanation	This operation to perform delete processing has failed.
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%FMANRP_NAT-3-AVLDELETE : Failed to delete node from NAT [chars] database for [IP_address]

Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center 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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%FMANRP_NAT-3-WLANSESSTDL : Error with WLAN session message received from data path

Explanation	An unexpected condition has occurred with received WLAN session message from data path
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-3-WLANSESSTYPE : Received WLAN session message from data path with unsupported address type [dec]

Explanation	An unexpected condition has occurred with received WLAN session message from data path with unsupported address 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.

%FMANRP_NAT-3-WLANSESSIDB : Received WLAN session message from data path with nil input interface for inside local host [IP_address]

Explanation	An unexpected condition has occurred with received WLAN session message from data path with nil input 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.

%FMANRP_NAT-4-NOLOGGINGPARAM : Highspeed logging structure is nil

Explanation	An unexpected condition has occurred which is due to the absence of a logging parameter structure.
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%FMANRP_NAT-4-NOLOGGINGPARAM : Highspeed logging structure is nil

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

%FMANRP_NAT-4-LOGGING_PARAM : Highspeed logging export [chars] [int]nsupported

Explanation An unsupported exporting parameter for highspeed logging on data path 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/>). Issue the **show running** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NAT-4-NOREPLICATEPARAM : Session replication structure is nil

Explanation An unexpected condition has occurred which is due to the absence of a session replication parameter structure.

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

%FMANRP_NAT-3-MIBEVENT : Failed to get NAT MIB response message: [chars]

Explanation An unsupported error occurred with waiting for NAT MIB response 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.

%FMANRP_NAT-3-INVALID_ADDRESS : Received an invalid address [IP_address]

Explanation	An unsupported address for the given config was 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.

%FMANRP_NAT-3-MSGALLOCERR : Failed to allocate message

Explanation	When attempting to send message to 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.

%FMANRP_NAT-3-NATSETTDLMSGFAIL : When download [chars], failed to set a field in message

Explanation	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.

FMANRP_NETFLOW**%FMANRP_NETFLOW-3-CACHETDLMSGMARSHAL : Failed to copy cache config message to IPC buffer for cache type [dec]**

Explanation	The operation of building a TDL message for cache configuration 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.

%FMANRP_NETFLOW-3-AGGRCACHENULL : The pointer for aggregation cache type [dec] is NULL

Explanation	An unexpected condition has occurred which is due to the absence of an aggregation cache data structure.
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%FMANRP_NETFLOW-3-AGGRCACHENULL : The pointer for aggregation cache type [dec] 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/). Issue the show ip cache flow command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center 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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%FMANRP_NETFLOW-3-UNKNOWNCACHETYPE : Unknown cache type [dec] received

Explanation	The cache configuration command has failed due to unknown cache scheme 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.

%FMANRP_NETFLOW-3-UNKNOWNCACHECMD : Unknown aggregation cache command [dec] received

Explanation	The aggregation cache configuration command has failed due to unknown 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.

%FMANRP_NETFLOW-4-NOSWIDB : Sub-interface is null

Explanation	An unexpected condition has occurred which is due to the absence of a swidb structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show ip interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NETFLOW-4-NOFIBIDB : fibdb for interface [chars] is null

Explanation	An unexpected condition has occurred which is due to the absence of a fibidb structure.
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%FMANRP_NETFLOW-4-NOFIBIDB : fibdb for interface [chars] 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/). Issue the show ip interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center 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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%FMANRP_NETFLOW-3-IFFLOWTDLMSGMARSHAL : Failed to copy interface flow config message to IPC buffer for [chars]

Explanation	The operation of building a TDL message for interface flow configuration 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.

%FMANRP_NETFLOW-3-NOSAMPLERNAME : Sampler-map name is null

Explanation	An unexpected condition has occurred which is due to the absence of a sampler-map name.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show sampler command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NETFLOW-3-NOSAMPLER : Sampler for sampler-map name [chars] is null

Explanation	An unexpected condition has occurred which is due to the absence of a sampler-map structure
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show sampler command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NETFLOW-3-SAMPLERTDLMSGMARSHAL : Failed to copy sampler-map config message to IPC buffer for [chars]

Explanation	The operation of building a TDL message for sampler-map configuration 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.

%FMANRP_NETFLOW-3-EXPORTERTDLMSGMARSHAL : Failed to copy exporter config message to IPC buffer for cache type [dec]

Explanation	The operation of building a TDL message for exporter configuration 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.

%FMANRP_NETFLOW-4-EXPORTERVERSION : Failed to change default exporter version to [dec]

Explanation	The operation of changing the default exporter version 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/). Issue the show ip flow export command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_NETFLOW-3-CLRSTATSTDLMMSGMARSHAL : Failed to copy clear statistics message to IPC buffer

Explanation	The operation of building a TDL message for clearing statistics in the data path 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.

%FMANRP_NETFLOW-3-STATSUPDTDL : Failed to update netflow [chars] statistics

Explanation	An unexpected condition has occurred when updating 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.

%FMANRP_NETFLOW-3-INVALIDFLOWDEF CPP : CPP Flow definition can not be created [int]

Explanation	The operation of building a flow definition using flow fields received from CPP 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.

%FMANRP_NETFLOW-3-EXPORTERSRCIFINVALID : Management interface ([chars]) cannot be used as source for an exporter

Explanation	Exporter configuration failed because the management interface cannot be configured as source 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.

%FMANRP_NETFLOW-3-EXPORTERVRFINVALID : Management vrf ([chars]) cannot be used as exporter destination

Explanation	Exporter configuration failed because management vrf cannot be used as exporter destination
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

FMANRP_PBR

%FMANRP_PBR-3-RTMAPNULL : The route-map structure for [chars] is NULL

Explanation An unexpected condition has occurred due to the absence of an internal route-map data structure.

Recommended Action show route-map

%FMANRP_PBR-3-RTMAP_NAME_NULL : The route-map name for [chars] is NULL

Explanation An unexpected condition has occurred due to the absence of an internal route-map data structure.

Recommended Action show route-map

%FMANRP_PBR-3-INVALIDIF : The interface specified for '[chars]' is not valid

Explanation A non-existent interface is specified for the policy based routing route-map operation specified in the message.

Recommended Action show interface

%FMANRP_PBR-3-UNSUPPORTED_RMAP : Route-map [chars] has unsupported options for Policy-Based Routing. It has been removed from the interface, if applied.

Explanation The route-map attached to an interface for policy routing contains an action that is not supported on this platform. This is a hardware limitation.

Recommended Action Reconfigure the route-map. Use only 'permit' entries and 'set ip next-hop' action in the route-map.

%FMANRP_PBR-3-UNSUPPORTED_RMAP_COMMAND : This Policy-Based Routing command is not supported on this platform. Use the no form of this command to remove it from configurations

Explanation Policy-Based Routing is not supported on this platform

Recommended Action Remove this command

FMANRP_PFR**%FMANRP_PFR-4-NULLINPUT : 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. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show oer border command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_PFR-4-NOINTF : Pfr Interface [chars] not exist, can't be [chars]

Explanation	An unexpected condition has occurred which is due to the absence of MCP Pfr interface 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/). Issue the show oer border command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_PFR-4-UNSUPPORTED : Unsupported action, [chars]

Explanation	An unexpected condition has occurred which is due to and unsupported action being executed.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show oer border command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

FMANRP_QOS**%FMANRP_QOS-3-ACTNOCLASSMAP : Class-map information not found**

Explanation	An unexpected condition has occurred when trying to determine class-map information for one of the classes in a policy-map.
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%FMANRP_QOS-3-ACTNOCLASSMAP : Class-map information not found

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

%FMANRP_QOS-3-ACTNOPOLICYMAP : Policy-map information not found

Explanation An unexpected condition has occurred when trying to determine policy-map information for one of the service policies attached to 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/>). Issue the **show policy-map** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-3-QOSTDLMARSHAL : Failed to copy more than [dec] bytes of message [chars], length [dec] into IPC buffer

Explanation An internal error occurred when trying to build an IPC 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.

%FMANRP_QOS-3-QOSAPIPARAM : Internal QOS API error.

Explanation An internal API error occurred. QOS configuration may be limited.

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

%FMANRP_QOS-3-QOSIDBSP : Service policy [[chars]] installation error: invalid interface type [dec]

Explanation	An invalid interface type was encountered when trying to configure a service policy. This service policy could not be installed.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show policy-map command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case) , or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-3-QOSGIDBSP : Service policy [[chars]] installation error: invalid interface type [dec]

Explanation	An invalid interface type was encountered when trying to configure a service policy. This service policy could not be installed.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show policy-map command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case) , or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-4-QOSSTACK : Failed to install all classes for policymap [chars], excessive stack usage

Explanation	An operation to configure the classes within a policymap has failed due to a resource issue. QoS configuration for this policymap is unlikely to work.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show policy-map command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case) , or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-3-QOSCLASSDEL : Error trying to remove class [chars] from policymap [chars]

Explanation	An operation to remove a class from a policy has failed due to an internal error.
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%FMANRP_QOS-3-QOSCLASSDEL : Error trying to remove class [chars] from policymap [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/>). Issue the **show policy-map** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-6-QOSCLASSEXIST : class [chars] (id [int]) in policymap [chars] (id [int]) already exists

Explanation This is an informational message and no action is required.

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

%FMANRP_QOS-3-NOPOLICERSTATS : policer stats entry not found for class [int].[int], target [int]

Explanation An internal error occurred when looking up policer 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/>). Issue the **show policy-map interface** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-3-NOACCOUNTSTATS : account stats entry not found for class [int].[int], target [int]

Explanation An internal error occurred when looking up account 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/>). Issue the **show policy-map interface** command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-3-NOSETSTATS : set stats entry not found for class [int],[int], target [int]

Explanation	An internal error occurred when looking up set 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/). Issue the show policy-map interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-4-QIDGENFAIL : qid generation failed, reverting to default

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

%FMANRP_QOS-4-QOSUBR : qos can not be attached to the target with UBR configured

Explanation	An error occurred to attach qos to ATM VC/VP target with UBR configured
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-4-NOFAIRQONVC : fair-queue can not be configured on the parent queue of an ATM VC, use child queue instead

Explanation	Configuring fair-queue on the parent queue of an ATM VC 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.

%FMANRP_QOS-4-CLMODIFYFAIL : classmap [chars] is currently used by policymap, please remove policymap from all targets before the modification

Explanation	An internal error occurred when classmap being modified
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%FMANRP_QOS-4-CLMODIFYFAIL : classmap [chars] is currently used by policymap, please remove policymap from all targets before the modification

Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center 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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%FMANRP_QOS-3-CLPOLFAIL : No support for client policy with policing in class-default and marking in custom class

Explanation	An internal error occurred during installing qos 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.

%FMANRP_QOS-4-MPOLDMVPNGRE : Only Shape and/or BRR is allowed on the QoS policy on GRE tunnel on MPoL hierarchy

Explanation	An error occurred during MPoL check between DMVPN and GRE tunnel QoS 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.

%FMANRP_QOS-3-QOSTMPLCREATEFAIL : QoS template interface creation failed for policy [chars]: [chars]

Explanation	An error occurred during template interface 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.

%FMANRP_QOS-3-QOSTMPLDELETEFAIL : QoS template interface deletion failed for policy [chars]: [chars]

Explanation	An error occurred during template interface deletion
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%FMANRP_QOS-3-QOSTMPLDELETEFAIL : QoS template interface deletion failed for policy [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.
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%FMANRP_QOS-3-QOSTMPLNONEXIST : QoS template does not exist in [chars] for policymap [chars]

Explanation	QoS template information does not exist
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-3-QOSTMPLDBERROR : Failed to [chars] record for policymap [chars], err [chars]

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

%FMANRP_QOS-3-QOSTMPLINUSE : [chars]: [chars]

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

%FMANRP_QOS-3-PRILEVELSUPPORT : Priority with level 3 is not supported. Service-policy : [chars]

Explanation	Priority level 3 support is only for AVB policy. Hence configuration is rejected.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_QOS-3-MARKDOWNCHECK : Only markdown with a table-map is supported.

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

%FMANRP_QOS-3-CONFACTCHECK : Conform-action in a policer can only be transmit. Policy Rejected.

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

%FMANRP_QOS-3-SHAPEBWSUPPORT : Shape and bandwidth in the same class is unsupported. Policy Rejected. Service-policy : [chars]

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

%FMANRP_QOS-3-QBUFFERSCHECK : Sum of configured qbuffer ratios should be less than 100. Configuration not accepted. Service-policy : [chars] Info : classes for which qbuffer ratio is not configured is given a buffer ratio 1

Explanation	Error occurred while performing queue buffers policy install check. Wrong 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.

%FMANRP_QOS-3-HWIDBCHECK : Configuring service-policy on interface [chars] is not allowed

Explanation	Error occurred while attaching policy on gigethernet0/0.
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%FMANRP_QOS-3-HWIDBCHECK : Configuring service-policy on interface [chars] is not 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.
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%FMANRP_QOS-3-HIERPOLICYCHECK : Hierarchical Policy must have child under all user defined classes for wired ports. Service-policy : [chars]

Explanation	Error occurred while attaching a hierarchical 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.

%FMANRP_QOS-3-CHILDPOLICYCHECK : Only 2 level policy is supported. Service-policy : [chars]

Explanation	Error occurred while attaching a hierarchical 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.

%FMANRP_QOS-4-COPPMODIFY : Police rate modification for COPP system class ([chars]) is discouraged. User can go to default rate by running 'cpp system-default' CLI.

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

%FMANRP_QOS-4-COPPREMOVE : Police rate removal for COPP system class ([chars]) is discouraged. User can go to default rate by running 'cpp system-default' CLI. The system will be reconfigured with default rates post reload.

Explanation	User removed police rate for COPP system classes.
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%FMANRP_QOS-4-COPPREMOVE : Police rate removal for COPP system class ([chars]) is discouraged. User can go to default rate by running 'cpp system-default' CLI. The system will be reconfigured with default rates post 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.

%FMANRP_QOS-4-COPPMODRANGE : Police rate modification for COPP system class ([chars]) is out-of-range. User can go to default rate by running 'cpp system-default' CLI.

Explanation User modified police rate for COPP system classes.

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

%FMANRP_QOS-4-STACKBUFFER : Stack-buffer configuration has been modified. Current setting is stack-buffer [chars]. This change will take an effect once the configuration is written in flash (write memory) and then reload the switch.

Explanation Stack-buffer configurations in Catalyst 9300D switches.

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

FMANRP_SC through FMFP_URPF

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FMANRP_SC

%FMANRP_SC-3-SCTXTDLMSGMARSHAL : Failed to copy service context config message to IPC buffer for sctx_name id [dec]

Explanation	This operation to build a TDL message for service context configuration 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.

%FMANRP_SC-3-DBGTDLMSGMARSHAL : Failed to copy debug SC request message to IPC buffer

Explanation	This operation to build a TDL message for debug SC command 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.

%FMANRP_SC-3-SCIOSDENQUEUE : Failed to enqueue SC [chars] message for transmission

Explanation	This operation to enqueue an IPC message for sending 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.

%FMANRP_SC-3-INTFTDLMSGMARSHAL : Failed to copy interface config message to IPC buffer for Interface [chars] ([hex]), operation [chars]

Explanation	This operation to build a TDL message for interface configuration 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.

%FMANRP_SC-4-SCNOSWIDB : Sub-interface is null

Explanation	An unexpected condition has occurred which is due to the absence of a swidb structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show ip interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_SC-4-NOSERVICECTX : A mapping structure is null

Explanation	An unexpected condition has occurred which is due to the absence of a SC mapping structure.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). Issue the show ip interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FMANRP_SC-4-SCBADACTION : Invalid action [dec] for SC configuration

Explanation	An unexpected condition has occurred which is invalid action for a SC 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/). Issue the show ip interface command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

FMANRP_SSLVPN

%FMANRP_SSLVPN-3-STATSCLEARERR : Unable to send clear WEB VPN context stats message. [chars] ([dec])

Explanation	This operation to build a TDL messages for WEB VPN context stats clearing 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.

%FMANRP_SSLVPN-3-STATSGUPDERR : Update WEB VPN context stats error. [chars] ([dec])

Explanation	An unexpected condition has occurred when updating global sslvpn 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.

%FMANRP_SSLVPN-3-STATSWVUPDERR : [chars]: [chars]

Explanation	An unexpected condition has occurred when updating ssl web vpn context 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.

%FMANRP_SSLVPN-3-CFGSTATUSERR : [chars]: [chars]

Explanation	An unexpected condition has occurred when got status of 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.

%FMANRP_SSLVPN-3-GWERR : Failed [chars]: [chars]

Explanation	An unexpected condition has occurred in configuration processing causing configuration 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.

%FMANRP_SSLVPN-3-VWCONFERR : Failed [chars]: [chars]

Explanation	An unexpected condition has occurred during WebVPN Context configuration causing failure.
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%FMANRP_SSLVPN-3-VWCONFERR : Failed [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.
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%FMANRP_SSLVPN-3-PKIERR : Failed [chars]: [chars]

Explanation	An unexpected condition has occurred in configuration processing causing configuration 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.

%FMANRP_SSLVPN-3-AAATDLERR : [chars][chars]. [chars]

Explanation	An unexpected condition has occurred in processing AAA request/reply message causing AAA handling 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.

%FMANRP_SSLVPN-4-AAAFRIPWARN : [chars]Invalid framed ip address [IP_address] received from AAA. Not sending user config

Explanation	Wrong AAA server 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.

%FMANRP_SSLVPN-3-RRITDLERR : [chars][chars]. [chars]

Explanation	An unexpected condition has occurred in processing of SSLVPN route inject/remove message
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%FMANRP_SSLVPN-3-RRITDLERR : [chars][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.
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%FMANRP_SSLVPN-3-RRICHUNKERR : [chars]

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

%FMANRP_SSLVPN-3-CONDEBERR : [chars]. [chars]

Explanation	An unexpected condition has occurred in processing conditional debug 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.

FMD

%FMD-3-IPC_OPEN_REPLY : IPC Open Reply failed, request [int]

Explanation	For a request from upper FMD software stack layers it was not possible to open the reply buffer. The consequence of this could be a stuck binding that cannot be established etc. In rare cases this could also affect other operations such as feature activation.
Recommended Action	This is normally a software issue. LOG_STD_RECUR_ACTION

%FMD-3-IPC_NORES : No space for the IPC reply, size [int]

Explanation	For a request from upper FMD software stack layers it was not possible to allocate space for a reply for the specified size. The consequence of this could be a stuck binding that cannot be established etc. In rare cases this could also affect other operations such as feature activation.
Recommended Action	This is normally a software issue. LOG_STD_RECUR_ACTION

%FMD-2-IPC_INIT : IPC message handler registration failure, rc [int]

Explanation	Registering an IPC message handler for the FMD feature failed. This will cause the feature to not function.
Recommended Action	This is normally a software issue. The consequences are that the FMD feature will not function. LOG_STD_ACTION

FME

%FME-3-IPC_OPEN_REPLY : IPC Open Reply failed, request [int]

Explanation	For a request from upper FME software stack layers it was not possible to open the reply buffer. The consequence of this could be a stuck monitor that cannot be established etc. In rare cases this could also affect other operations such as feature activation.
Recommended Action	This is normally a software issue. LOG_STD_RECUR_ACTION

%FME-3-IPC_NORES : No space for the IPC reply, size [int]

Explanation	For a request from upper FME software stack layers it was not possible to allocate space for a reply for the specified size. The consequence of this could be a stuck monitor that cannot be established etc. In rare cases this could also affect other operations such as feature activation.
Recommended Action	This is normally a software issue. LOG_STD_RECUR_ACTION

%FME-2-IPC_INIT : IPC message handler registration failure, rc [int]

Explanation	Registering an IPC message handler for the FME feature failed. This will cause the feature to not function.
Recommended Action	This is normally a software issue. The consequences are that the FME feature will not function. LOG_STD_ACTION

FME_DP

%FME_DP-3-DEBUG_REG_FAILED : Flow Metric Engine fails to registrate with Conditional Debugging.

Explanation	Flow Metric Engine fails to registrate with Conditional Debugging infra.
Recommended Action	LOG_STD_ACTION

FMFP**%FMFP-3-INTERFACE_OBJECT_NOT_FOUND : Interface object lookup by [chars] not found for interface [int]**

Explanation	The desired interface object was not found.
Recommended Action	Examine the interface state in the operating system, route processor (RP) and forwarding processor (FP) forwarding manager logs.

%FMFP-3-OBJ_DWNLD_TO_DP_FAILED : [chars] download to DP failed

Explanation	An object has failed to download to the data plane
Recommended Action	Examine the list of error objects in the forwarding processor (FP) forwarding manager asynchronous object logs.

%FMFP-3-OBJ_DWNLD_TO_DP_STUCK : AOM download to Data Plane is stuck for more than [int] seconds [chars]

Explanation	An object download from FMAN-FP to lower layer has taken long time. It can be caused by incomplete configuration or software defects
Recommended Action	Run show platform software object-manager fp [active standby] [pending-issue-update pending-issue-batch] sorted <min_pending_time> to see the sorted list of update/batch/ command in pending state for more than the min_pending_time. For incomplete configuration, use show platform platform software object fp [active standby] resolve to see if there is any resolve object

%FMFP-6-OBJ_DWNLD_TO_DP_RESUME : AOM download of objects to Data Plane is back to normal

Explanation	An object download from FMAN-FP to lower layer has finished after a temporary stuck. It can be caused by incomplete configuration or software defects
Recommended Action	check if there is any functional impact after recovery

%FMFP-3-OBJ_ACK_FROM_DP_STUCK : AOM ack download to Data Plane is stuck for more than [int] seconds [chars]

Explanation	An object ack from lower layer to FMAN-FP has taken long time. It can be caused by incomplete configuration or software defects
Recommended Action	Run show platform software object-manager fp [active standby] [pending-ack-update pending-ack-batch pending-ack-commands] sorted <min_pending_time> to see the sorted list of update/ batch/command in pending state for more than the min_pending_time. For incomplete configuration, use show platform platform software object fp [active standby] resolve to see if there is any resolve object

%FMFP-6-OBJ_ACK_FROM_DP_RESUME : AOM ack of objects to Data Plane is back to normal

Explanation An object ack from lower layer to FMAN-FP has finished after a temporary stuck. It can be caused by incomplete configuration or software defects

Recommended Action check if there is any functional impact after recovery

%FMFP-3-DP_NOMEM : DP not enough memory. [chars]

Explanation An object download to DP failed because the memory of DP is not enough.

Recommended Action Run show platform resource to see the memory usage

FMFP_ACL

%FMFP_ACL-3-ACL_OBJECT_DOWNLOAD : [chars][chars] fail to download because [chars].

Explanation The access control list (ACL) object has failed to download. This could be due to a hardware or software resource limitation or a software defect.

Recommended Action Check the logs for information on the relevant object download states. Remove the ACL attachment to the interface or delete the ACL. Reboot the forwarding processor (FP).

%FMFP_ACL-3-ACL_LIMIT_EXCEEDED : ACL [chars] exceeded limitation of [int] ACEs per ACL

Explanation A software limitation has been exceeded.

Recommended Action Reduce the access control list (ACL) configuration. A reboot of the forwarding processor (FP) is recommended.

%FMFP_ACL-3-ACL_PROTOCOL_CHECK : ACL [chars] protocol does not match what was previously configured

Explanation The error occurs for one of two reasons. An access control list (ACL) reference was made to an ACL of a different protocol or an ACL was added or edited when there were similarly named ACL references of a different protocol

Recommended Action Remove the conflicting ACL or the conflicting ACL references.

%FMFP_ACL-3-ACL_MODIFY_FAILED : ACL:[chars] modification through object group edit failed

Explanation Object-group used in the ACL was modified. Those changes could not be accommodated in the ACL

Recommended Action Fix the object-group changes. Delete ACL and reconfigure it

%FMFP_ACL-3-SGACL_OBJECT_DOWNLOAD : SGACL Cell ([dec] [dec]) policy [chars] fail to download because [chars].

Explanation The SGACL policy has failed to download. This could be due to a hardware or software resource limitation or a software defect.

Recommended Action Check the logs for information on the relevant object download states. Remove the SGACL policy for that cell, correct the error and reconfigure it

FMFP_CXSC**%FMFP_CXSC-3-CXSC_INITIALIZATION : [chars] Returned: [chars]**

Explanation The CXSC INITIALIZATION has FAILED. This could be due to a hardware or software resource limitation or a software defect.

Recommended Action Check memory usage and router configuration and try to re-activate virtual service again. If it shows the same results then please contact TAC.

%FMFP_CXSC-3-CXSC_DEINITIALIZATION : [chars] Returned: [chars]

Explanation The CXSC DEINITIALIZATION has FAILED. This could be due to a hardware or software resource limitation or a software defect.

Recommended Action Check memory usage and router configuration and try to re-activate virtual service again. If it shows the same results then please contact TAC.

%FMFP_CXSC-3-CXSC_DOMAIN_CONFIG : [chars] Returned: [chars]

Explanation The CXSC DOMAIN CONFIG DOWNLOAD has FAILED. This could be due to a hardware or software resource limitation or a software defect.

Recommended Action Check memory usage and router configuration and try to re-activate virtual service again. If it shows the same results then please contact TAC.

%FMFP_CXSC-3-CXSC_POLICY_DOWNLOAD : [chars] Returned: [chars]

Explanation The CXSC POLICY DOWNLOAD has FAILED. This could be due to a hardware or software resource limitation or a software defect.

%FMFP_CXSC-3-CXSC_POLICY_DOWNLOAD : [chars] Returned: [chars]

Recommended Action	Check memory usage and router configuration and try to re-activate virtual service again. If it shows same results then please contact TAC.
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%FMFP_CXSC-6-CXSC_POLICY_DOWNLOAD_SUCCESS : New policy version: [int] has now been installed and is active

Explanation	The CXSC POLICY DOWNLOAD of the numbered version has succeeded.
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Recommended Action	This an informational message only, no action is required. Note that policy version is not monotonically increasing so there is nothing to be concerned about if the current installed policy version is less than the previous installed policy version.
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FMFP_QOS

%FMFP_QOS-6-QOS_STATS_STALLED : statistics stalled

Explanation	QoS statistics are temporarily stalled. This is an informational message.
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Recommended Action	No action is required.
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%FMFP_QOS-6-QOS_STATS_PROGRESS : statistics are progressing

Explanation	QoS statistics are now progressing normally. This is an informational message.
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Recommended Action	No action is required.
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FMFP_URPF

%FMFP_URPF-3-OBJECT_DOWNLOAD : Unicast RPF [chars] on interface [chars] fail to download because [chars].

Explanation	The unicast reverse path forwarding (URPF) operation failed to download. This can be caused by a hardware or software resource limitation or a software defect.
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Recommended Action	Check the logs for information on the relevant download states. Remove the uRPF feature enabled on any interface. Reboot the forwarding processor (FP).
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%FMFP_URPF-3-LIST_DOWNLOAD : Unicast RPF list [chars] for list [int] fail to download because [chars].

Explanation	The unicast reverse path forwarding (URPF) list failed to download. This can be caused by a hardware or software resource limitation or software defect.
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%FMFP_URPF-3-LIST_DOWNLOAD : Unicast RPF list [chars] for list [int] fail to download because [chars].

Recommended Action Check the logs for information on the relevant download states. Reboot the forwarding processor (FP).

FNF through FR_HA

- [FNF](#)
- [FNF_PROXY](#)
- [FPD_MGMT](#)
- [FR](#)
- [FRAG](#)
- [FRAG_DESC_PROXY](#)
- [FRR_OCE](#)
- [FR_ELM](#)
- [FR_FRAG](#)
- [FR_HA](#)

FNF

%FNF-6-AGER_OVERRIDE : Flow [chars] time modified by [chars] to [dec]

Explanation The aging timer has been modified and may be different from configured value.

Recommended Action No action is required.

%FNF-6-ERROR : FNF error: [chars]

Explanation An FNF error occurred.

Recommended Action For more information, repeat the action with FNF debugging enabled.

%FNF-6-CONFIGURATION : Invalid FNF configuration: [chars]

Explanation An invalid FNF configuration was detected.

Recommended Action Review the FNF configuration before repeating the action.

%FNF-3-LC_STATUS : Flow monitor [chars] can not be added to [chars], rejected on module [chars] : [chars]

Explanation The flow monitor has been rejected on the specified module. It will have been removed from the RP configuration too. This can happen for example when a monitor is removed and added again immediately before the tidy has been completed, or in the case where a flow monitor is waiting at automore when the monitor is removed from the interface then reapplied

Recommended Action Check the configuration of the Flow Monitor that was applied for errors. If the rejection was due to the LC not having finished cleaning up after a previous removal of a Flow Monitor, wait until the cleaning up has finished then reapply the config.

%FNF-3-PROVISIONING : [chars] failed to provision '[chars] flow monitor [chars] [chars]' on [chars]: [chars]

Explanation The attachment of the Flow Monitor to has had a problem on the device identified. It may be working on other devices, and the configuration is retained.

Recommended Action Check the device identified is working as expected and that it can support the configuration of the Flow Monitor to the chosen attachment point.

%FNF-3-KEY_SIZE_INVALID : Unexpected key fields size: [dec], MSGDEF_LIMIT_SLOW

Explanation Netflow attempted to install a flow with an invalid key fields size.

Recommended Action LOG_STD_ACTION

%FNF-4-FREE_LIST_EMPTY : Monitor: [hex], MSGDEF_LIMIT_MEDIUM

Explanation Netflow attempted to install a flow but no free flow records were available.

Recommended Action LOG_STD_ACTION

%FNF-3-FREE_LIST_ADD : Failed for record: [hex], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to return a record to the free list.

Recommended Action LOG_STD_ACTION

%FNF-3-CLEANUP_ENTRY : Failed, MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to clean up a record for reuse.

%FNF-3-CLEANUP_ENTRY : Failed, MSGDEF_LIMIT_MEDIUM

Recommended Action LOG_STD_ACTION

%FNF-3-UNSUPPORTED_PROT : [chars], MSGDEF_LIMIT_MEDIUM

Explanation This protocol is unsupported.

Recommended Action LOG_STD_ACTION

%FNF-3-INVALID_CMD : Flow builder encountered an invalid command: [dec]., MSGDEF_LIMIT_MEDIUM

Explanation Flow builder doesn't support the command encountered in the instruction stream.

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_UNSUPPORTED_AGG_FMT : Format: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow doesn't support this aggregation type.

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_UNSUPPORTED_EXP_FMT : Format: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow doesn't support this export format.

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_UNSUPPORTED_OPTION : Option: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow doesn't support this export option.

Recommended Action LOG_STD_ACTION

%FNF-3-IPFIX_UNSUPPORTED_MON_TYPE : Monitor type: [dec], MSGDEF_LIMIT_MEDIUM

Explanation IPFIX doesn't support this monitor type.

Recommended Action LOG_STD_ACTION

%FNF-3-REFCNT_TIMEOUT : never reached 0 for entry [hex], MSGDEF_LIMIT_SLOW

Explanation Netflow timed out waiting for an flow cache entries refcnt. to hit 0. The entry was forced out

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_UNSUPPORTED_MMA_FIELD : MMA global ID [dec] (Netflow field [dec]) is not supported by MMA, MSGDEF_LIMIT_SLOW

Explanation Netflow field that is marked as MMA (Metric Mediation Agent) controlled field is not supported by MMA

Recommended Action LOG_STD_ACTION

%FNF-3-REFCNT_UNDERFLOW : refcnt underflow for entry [hex], MSGDEF_LIMIT_SLOW

Explanation Netflow error caused flow cache entry reference count to go negative. The decrement was rescinded

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_FIELD_LIST_VAR_INVALID : Unknown field variety [dec] for field_id [dec], MSGDEF_LIMIT_MEDIUM

Explanation Internal error, Netflow field list entry mapped to unknown field variety

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_FIELD_UNEXPECTED_SIZE : Unexpected size for field_id [dec], expected [dec]/got [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow specified unexpected size for field_id

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_FIELD_LIST_TS_CNT_KEY : Field_id [dec] must be non-key, MSGDEF_LIMIT_MEDIUM

Explanation Netflow Field list specified timestamp/counter field as a key field, which is not supported

%FNF-3-FNF_FIELD_LIST_TS_CNT_KEY : Field_id [dec] must be non-key, MSGDEF_LIMIT_MEDIUM

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_FIELD_LIST_TOO_LARGE : Field_list too large, max [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow field list contains too many fields. At most 32 fields are supported, including any hidden fields automatically added as necessary for record keeping

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_FREQ_LAYOUT_TOO_LARGE : Flow record layout too large, max [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow field list results in a flow record layout which is too large. At most 128 bytes of flow record data is supported, including any padding, and any hidden fields automatically added as necessary for record keeping

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_FIELD_LIST_MEM_INSUFFICIENT : Insufficient memory [dec] for field_list, MSGDEF_LIMIT_MEDIUM

Explanation Internal error, netflow client provided insufficient memory to process a field list

Recommended Action LOG_STD_ACTION

%FNF-3-INVALID_FO : FNF FO is not valid, MSGDEF_LIMIT_MEDIUM

Explanation FNF feature object is not valid.

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_CWALK_FLEXIBLE_UNEXPECTED_LAYOUT : Failed copy to CLI buffer , PI will receive zero buffer, MSGDEF_LIMIT_MEDIUM

Explanation Failed copy to CLI buffer during the walk process ,fill the buffer with 0

Recommended Action LOG_STD_ACTION

%FNF-6-DYNAMIC_MONITORS_OVER_SUBSCRIPTION : Interface [chars] (dir=[chars]): the number of monitors that should run on the packet([dec]) exceeds QFP limit([dec]), [dec] monitor[chars] won't run, MSGDEF_LIMIT_GLACIAL

Explanation QFP maximum supported number of monitors per packet was exceeded. As a result the excess number of monitors will not run on the packet. Static monitors always take priority over policy-map monitors.

Recommended Action LOG_STD_DBG_ACTION

%FNF-6-SYNC_CACHE_TOO_MANY_RECS_FOR_INTERVAL : For synchronized cache the number of records is larger than can be exported in configured interval., MSGDEF_LIMIT_MEDIUM

Explanation The number of records is too large for the configured interval. As a result some records may not be exported in a timely manner. Consider reducing cache size or increasing interval length.

Recommended Action LOG_STD_DBG_ACTION

%FNF-3-DEBUG_REG_FAILED : FNF fails to registrate with Conditional Debugging.

Explanation FNF fails to registrate with Conditional Debugging infra.

Recommended Action LOG_STD_ACTION

%FNF-3-CFT_REG_FAILED : FNF fails to connect to CFT infra.

Explanation FNF fails to connect to CFT infra.

Recommended Action LOG_STD_ACTION

%FNF-3-FNF_EXPORT_BUILD_TYPE_FAILED : Format: [dec], MSGDEF_LIMIT_MEDIUM

Explanation FNF Exporter build failed. unknown type.

Recommended Action

FNF_PROXY

%FNF_PROXY-3-IPC_UNHANDLED : type [dec]

Explanation An unknown message was received by the Netflow Client Proxy.

%FNF_PROXY-3-IPC_UNHANDLED : type [dec]

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-MON_CACHE_FREE_LIST_INIT : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to initialize the free list.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-MON_CACHE_FREE_LIST_POOL_ADD : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to populate the free list.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-MON_CACHE_AGER_INIT : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to initialize the ager.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-MON_CACHE_AGER_SHUT : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to shutdown the ager.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-MON_CACHE_FORCE_FLUSH : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to force a cache flush.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EXPORTER_INIT : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to initialize the exporter.

%FNF_PROXY-3-EXPORTER_INIT : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EXPORTER_SHUT : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to shutdown the exporter.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EXPORTER_OPTION_TEMPLATE_BIND : Failed for exporter: [hex] with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to bind an option template.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EXPORTER_OPTION_TEMPLATE_UNBIND : Failed for exporter: [hex] with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to unbind an option template.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EXPORTER_OPTION_TIMER_START : Failed for exporter: [hex] with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to start an option timer.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EXPORTER_OPTION_TIMER_STOP : Failed for exporter: [hex] with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to stop an option timer.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EXPORTER_FORCE_TEMPLATE_REFRESH : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to force a template refresh for an exporter.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-FLOW_CACHE_WALK : Failed for session: [hex] with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to process a flow cache walk request.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-OBJ_MODIFY : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to process an object modify request.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-STATS : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to process a stats request.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-EVAL_FREQ_FIELD_LIST : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to process an evaluate flow record field list request.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-PROCESS_FREQ_FIELD_LIST : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to process a process flow record field list request.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-FLOW_CACHE_WALK_FLEXIBLE : Failed for session: [hex] with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to process a flow cache walk/flexible request.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-PROXY_IPC_PAK_ALLOC_FAILED :

Explanation Allocation of IPC packet failed.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-PROXY_IPC_SEND_FAILED : [dec]

Explanation Could not send IPC reply for proxy request.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-MON_CACHE_CLEAN : Failed with return code: [dec], MSGDEF_LIMIT_MEDIUM

Explanation Netflow failed to perform cache cleanup.

Recommended Action LOG_STD_ACTION

%FNF_PROXY-3-FNF_CWALK_TOP_TALKERS_INVALID_SORT : This field can't be used for sort, MSGDEF_LIMIT_MEDIUM

Explanation Show Top Talkers command contains sort field specification that is not supported.

Recommended Action LOG_STD_ACTION

FPD_MGMT

%FPD_MGMT-6-BUNDLE_DOWNLOAD : Downloading FPD image bundle for [chars] card in [chars] ...

Explanation The system is downloading the field programmable device image bundle to the system main memory.

Recommended Action No action is required.

%FPD_MGMT-6-UPGRADE_TIME : Estimated total FPD image upgrade time for [chars] card in [chars] = %TS.

Explanation The estimated total time for all FPD images to be upgraded is displayed for the indicated card.

Recommended Action No action is required.

%FPD_MGMT-6-UPGRADE_START : [chars] (FPD ID=[int]) image upgrade in progress for [chars] card in [chars]. Updating to version [int],[int]. PLEASE DO NOT INTERRUPT DURING THE UPGRADE PROCESS (estimated upgrade completion time = %TS) ... FPD upgrade in progress on hardware, reload/configuration change on those hardware is not recommended as it might cause HW programming failure and result in RMA of the hardware.

Explanation The FPD image upgrade process has started. Do not interrupt the upgrade operation as any interruption could render the target card unusable. Avoid actions like removing the target card from the system, powering off the system, or using commands that can power-cycle the target card during the upgrade process.

Recommended Action No action is required.

%FPD_MGMT-6-UPGRADE_PASSED : [chars] (FPD ID=[int]) image in the [chars] card in [chars] has been successfully updated from version [chars] to version [int],[int]. Upgrading time = %ITE

Explanation The FPD image upgrade process has completed successfully for the indicated device.

Recommended Action No action is required.

%FPD_MGMT-6-OVERALL_UPGRADE : All the attempts to upgrade the required FPD images have been completed for [chars] card in [chars]. Number of successful/failure upgrade(s): [int]/[int].

Explanation All the FPD image upgrades have completed for the indicated card.

Recommended Action No action is required.

%FPD_MGMT-6-UPGRADE_RETRY : Attempting to recover from the failed upgrades ...

Explanation Because of an image upgrade failure, the system will attempt again the upgrade operation for the same FPD image.

Recommended Action No action is required.

%FPD_MGMT-6-PENDING_UPGRADE : [int] more FPD image upgrade operation will be required on [chars] in [chars] after additional power-cycle operation on the target card.

Explanation All upgrade operations have not completed, and additional power-cycle operations are required before the upgraded or new FPD image will be applied to the system configuration. The message text indicates the number of pending upgrade operations that will be performed. More than one power-cycle operation might be required to complete the overall upgrade process.

Recommended Action No action is required.

%FPD_MGMT-5-UPGRADE_ATTEMPT : Attempting to automatically upgrade the FPD image(s) for [chars] card in [chars]. Use 'show upgrade fpd progress' command to view the upgrade progress ...

Explanation The automatic FPD image upgrade feature is enabled with the `upgrade fpd auto` global configuration command. The system is currently upgrading an incompatible image version automatically.

Recommended Action No action is required. The upgrade process can take a long time. The FPD_MGMT-6-UPGRADE_TIME message gives an estimate of the total upgrade time.

%FPD_MGMT-5-CARD_POWER_CYCLE : [chars] card in [chars] is being power cycled for the FPD image upgrade to take effect.

Explanation The indicated card is being power cycled after the FPD image upgrade. This action allows the target card to be operational with the new upgraded FPD image or images.

Recommended Action No action is required.

%FPD_MGMT-5-POST_UPGRADE_REMINDER : [chars] card in [chars] will require a [chars] for the FPD image upgrade to take effect.

Explanation The indicated card will require manual intervention after the FPD image upgrade. The specified operation is required for the upgraded FPD image to take effect.

Recommended Action No action is required.

%FPD_MGMT-4-BYPASS_AUTO_UPGRADE : The automatic FPD image upgrade feature is not enabled, bypassing the image upgrade for [chars] card in [chars].

Explanation	The automatic FPD image upgrade feature is not enabled. The incompatible image will not be automatically upgraded. The card will be disabled until the image is upgraded to a compatible version.
Recommended Action	Enable the automatic FPD image upgrade with the upgrade fpd auto global configuration command or use the upgrade hw-module privileged EXEC command for a manual upgrade operation. For more information about these commands, refer to the FPD_DOCUMENT_NAME .

%FPD_MGMT-4-UPGRADE_EXIT : Unexpected exit of FPD image upgrade operation for [chars] card in [chars].

Explanation	The FPD image upgrade operation was interrupted by the physical removal of the card from the system or by the use of other commands that have interrupted the normal operation of the target card. The partial upgrade operation might have left the card unusable because of corrupted FPD images.
Recommended Action	If the card does not come up after reinserting into the system, then perform the recovery upgrade operation by using the upgrade hw-module privileged EXEC command. With this command the system will attempt the reprogramming of the image to recover from the previous partial upgrade operation. For more information about performing a recovery upgrade operation, refer to the FPD_DOCUMENT_NAME .

%FPD_MGMT-4-VERSION_CHECK_ABORTED : FPD image version check operation has been aborted for [chars] card in [chars] because manual upgrade has already being started.

Explanation	The FPD image version check operation required for the automatic upgrade feature is not being performed for the indicated card because the upgrade hw-module privileged EXEC command has already being executed. These two operations cannot be performed at the same time.
Recommended Action	If an automatic upgrade operation is required, do not enter the upgrade hw-module privileged EXEC command for the manual upgrade while the target card is initializing. Enter the show hw-module subslot fpd command and ensure that the target card is displayed in the command output before proceeding with the manual upgrade.

%FPD_MGMT-4-CFG_NOT_SYNCED : Failed to sync [chars] command to standby: [chars]

Explanation	A FPD configuration command failed to get synced to standby RP due to the indicated error condition. Usually this can happen if the standby RP hardware doesn't support the type of filesystem supported on the active one.
Recommended Action	Configure again the command with a filesystem that is supported on both standby and active RP. To find out if a specific filesystem is also supported on standby RP, the dir ? command can be used to display a list of filesystem supported on both standby and active RP.

%FPD_MGMT-3-INVALID_IMG_VER : Invalid [chars] (FPD ID=[int]) image version detected for [chars] card in [chars].

Explanation The indicated field programmable device contains an invalid version for the FPD image, because the system was not able to extract this information from the indicated card. A failed upgrade attempt might have corrupted the FPD image identification on the device.

Recommended Action If the automatic upgrade feature is not enabled, then the affected card will be disabled. If this happens, then follow the recommended action described for the FPD_MGMT-3-CARD_DISABLED message.

%FPD_MGMT-3-IMG_VER_NOT_FOUND : FPD image version information is not available for [chars] card in [chars]. All the FPD images will be upgraded to recover from this error.

Explanation The FPD image version information for the indicated card is not available because the system was not able to extract this information for all the FPDs in the card. This could be the result of a corrupted FPD image from a power failure.

Recommended Action If the automatic upgrade feature is not enabled, then the affected card will be disabled. If this happens, then follow the recommended action described for the FPD_MGMT-3-CARD_DISABLED message.

%FPD_MGMT-3-INCOMP_IMG_VER : Incompatible [chars] (FPD ID=[int]) image version detected for [chars] card in [chars]. Detected version = [int].[int], minimum required version = [int].[int]. Current HW version = [int].[int].

Explanation An incompatible FPD image version has been detected. The FPD image needs to be upgraded either automatically, or manually, to make the card operational. If the automatic upgrade feature is not enabled, or if the system cannot find the necessary FPD image package file, then the card will be disabled.

Recommended Action If the automatic upgrade feature is not enabled, then the affected card will be disabled. If this happens, then follow the recommended action described for the FPD_MGMT-3-CARD_DISABLED message.

%FPD_MGMT-3-MAJOR_VER_MISMATCH : Major image version mismatch detected with [chars] (FPD ID=[int]) for [chars] card in [chars]. Image will need to be [chars] from version [int].[int] to at least a minimum version of [int].[int]. Current HW version = [int].[int].

Explanation A major image version mismatch has been detected. This incompatibility will need to be resolved by doing an upgrade or downgrade operation either automatically, or manually, to make the card operational. If the automatic upgrade feature is not enabled, or if the system cannot find the necessary FPD image package file, then the card will be disabled.

%FPD_MGMT-3-MAJOR_VER_MISMATCH : Major image version mismatch detected with [chars] (FPD ID=[int]) for [chars] card in [chars]. Image will need to be [chars] from version [int].[int] to at least a minimum version of [int].[int]. Current HW version = [int].[int].

Recommended Action If the automatic upgrade feature is not enabled, then the affected card will be disabled. If this happens, then follow the recommended action described for the FPD_MGMT-3-CARD_DISABLED message.

%FPD_MGMT-3-OPEN_FAILED : Failed to open [chars] ([chars]). Please make sure that the required file is in a valid path.

Explanation The system cannot access the required file from the indicated URL.

Recommended Action Make sure that the indicated URL is a valid path, and the system has access to the filesystem where the file has been placed.

%FPD_MGMT-3-OUT_OF_MEMORY : Could not allocate the required [dec] bytes of memory.

Explanation The system does not have enough free main memory to download the bundle file.

Recommended Action Make sure that the system main memory size meets the minimum requirement that is specified in the Cisco IOS software release note. If the system meets the minimum requirement for this Cisco IOS software release, make sure that the amount of free main memory in the system also meets the minimum memory required to use this software feature. Use the **show memory** command to find out this information and add more main memory if it is necessary. If the system meets all the memory requirements, copy the error message exactly as it appears on the console and gather the output of the **show tech-support** command and contact your technical support representative with this information.

%FPD_MGMT-3-READ_ERROR : Could not read the [chars] file.

Explanation The system cannot read the required file from the indicated URL.

Recommended Action Make sure that the indicated URL is a valid path, and the system has access to the filesystem where the file has been placed.

%FPD_MGMT-3-BNDL_WRONG_MAGIC_NUM : The [chars] file contains a wrong magic number for the image bundle: [hex] (expected [hex]). Please make sure that this is a valid FPD image [chars] file for card in [chars].

Explanation The indicated file might not be a valid FPD image bundle or package file for the target card or the file could be corrupted.

%FPD_MGMT-3-BNDL_WRONG_MAGIC_NUM : The [chars] file contains a wrong magic number for the image bundle: [hex] (expected [hex]). Please make sure that this is a valid FPD image [chars] file for card in [chars].

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-BNDL_WRONG_HDR_LEN : The [chars] file contains wrong header length for the image bundle: [int] bytes (expected [int] bytes). Please make sure that this is a valid FPD image [chars] file for card in [chars].

Explanation The indicated file might not be a valid FPD image bundle or package file for the target card.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-BNDL_WRONG_SIZE : The [chars] file contains incorrect image bundle size: [int] bytes (expected [int] bytes). Please make sure that this is a valid FPD image [chars] file for card in [chars].

Explanation The indicated file might not be a valid FPD image bundle or package file for the target card.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-BNDL_CRC_CHECK_FAIL : The [chars] file contains a corrupted image bundle - CRC mismatch: current value [hex], expected value [hex]. Please make sure that this is a valid FPD image [chars] file for card in [chars].

Explanation	The file failed the CRC checking process. This failure indicates a corrupt FPD image bundle or package file.
Recommended Action	Try to download again the required package from the Cisco Software Center website as the indicated one might be corrupted. If the problem persists, copy the error message exactly as it appears and gather the output of the show hw-module subslot fpd , show upgrade fpd table and show upgrade fpd file fpd-pkg-url commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-BNDL_CARD_TYPE_MISMATCH : The [chars] file does not contain the card type ([hex]) in the image bundle to indicate the support of the target card. Please make sure that this is a valid FPD image [chars] file for card in [chars].

Explanation	The image bundle in the indicated file does not contain a correct card type value for the target card.
Recommended Action	Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the show hw-module subslot fpd , show upgrade fpd table and show upgrade fpd file fpd-pkg-url commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-BNDL_NAME_PREFIX_MISMATCH : The [chars] file contains a bundle name prefix ([chars]) that does not match with the expected value of [chars] for the image bundle. Please make sure that this is a valid FPD image [chars] file for card in [chars].

Explanation	The content of the selected FPD image bundle does not match its filename.
Recommended Action	Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the show hw-module subslot fpd , show upgrade fpd table and show upgrade fpd file fpd-pkg-url commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-INCOMP_BNDL_VER : The selected [chars] file contain an image bundle that has a version number that is incompatible for this IOS release - [chars]. Selected version = [int].[int], minimum compatible version = [int].[int]. Please make sure that this is a valid FPD image [chars] file for card in [chars]. The SPA type is [chars].

Explanation The version of the selected FPD image bundle does not contain a valid version number that is compatible for the IOS release. The major version number should be the same and the minor version number should be at least equal to the minimal required version.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd**, **show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-MISSING_IMAGE : Could not find the required [chars] image (FPD ID=[int] and FPD version=[int].[int] compatible with HW version=[int].[int]) from the [chars]-fpd.bundle in [chars] file. Please make sure that this is a valid FPD image [chars] file for [chars] card in [chars].

Explanation The indicated FPD image bundle or package file might not be the correct one. If this is a FPD image package file, then an incompatible package file might have been renamed with a filename that matched with the one that the system is expecting for this Cisco IOS software release. You should never rename an FPD image package file name.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd**, **show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-WRONG_IMG_MAJOR_VER : The selected FPD image for upgrade contains wrong FPD image major version number = '[int]' (expected number = '[int]') for [chars] (FPD ID [int]). Please make sure that the file being used for upgrade is a valid FPD image [chars] for card in [chars].

Explanation The file used for upgrade might not be a valid FPD image bundle or package file for the card.

%FPD_MGMT-3-WRONG_IMG_MAJOR_VER : The selected FPD image for upgrade contains wrong FPD image major version number = '[int]' (expected number = '[int]') for [chars] (FPD ID [int]). Please make sure that the file being used for upgrade is a valid FPD image [chars] for card in [chars].

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-WRONG_IMG_MAGIC_NUM : The FPD image for [chars] (FPD ID [int]) in [chars] file contains wrong magic number: [hex] (expected [hex]). Please make sure that this is a valid FPD image bundle or package file for card in [chars].

Explanation The indicated file might not be a valid FPD image bundle or package file for the card.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-WRONG_IMG_HDR_LEN : The FPD image for [chars] (FPD ID [int]) in [chars] file contains wrong header length: [int] bytes (expected [int] bytes). Please make sure that this is a valid FPD image bundle or package file for card in [chars].

Explanation The indicated file might not be a valid FPD image bundle or package file for the card.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-WRONG_IMG_DATA_LEN : The FPD image for [chars] (FPD ID [int]) in [chars] file contains wrong data length: total data length (with padding) = [int] bytes, data length = [int] bytes. Please make sure that this is a valid FPD image bundle or package file for card in [chars].

Explanation The indicated file might not be a valid FPD image bundle or package file for the card.

%FPD_MGMT-3-WRONG_IMG_DATA_LEN : The FPD image for [chars] (FPD ID [int]) in [chars] file contains wrong data length: total data length (with padding) = [int] bytes, data length = [int] bytes. Please make sure that this is a valid FPD image bundle or package file for card in [chars].

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd**, **show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-IMG_CRC_CHECK_FAILED : The FPD image for [chars] (FPD ID [int]) in [chars] file is corrupted - CRC mismatch: current value [hex], expected value [hex]. Please make sure that this is a valid FPD image bundle or package file for card in [chars].

Explanation The image failed the CRC checking process, this indicates a corrupt FPD image bundle or package file.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd**, **show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-FPD_UPGRADE_FAILED : [chars] (FPD ID=[int]) image upgrade for [chars] card in [chars] has FAILED.

Explanation The FPD image upgrade process has failed for the indicated device.

Recommended Action Retry the upgrade operation again. If the affected card remains disabled by the system after attempts to retry the upgrade, then copy the error message exactly as it appears and gather the output of **show hw-module subslot fpd** and contact your technical support representative with the gathered information.

%FPD_MGMT-3-FPD_UPGRADE_CANCELED : Rest of the FPD upgrade sequence for [chars] card in [chars] has been canceled due to upgrade failure with [chars] (FPD ID=[int]) image.

Explanation The FPD image upgrade process for additional FPD images has been canceled due to upgrade error in the indicated device.

Recommended Action Retry the upgrade operation again. If the affected card remains disabled by the system after attempts to retry the upgrade, then copy the error message exactly as it appears and gather the output of **show hw-module subslot fpd** and contact your technical support representative with the gathered information.

%FPD_MGMT-3-SEND_IMG_FAILED : [chars] (FPD ID=[int]) image for [chars] card in [chars] has failed to be sent for upgrade operation - [chars]

Explanation	The FPD image was not able to be sent for the upgrade operation. The system might be too busy to handle this operation. The affected card will be disabled by this failure.
Recommended Action	Wait until the system load is lower to try again with the manual upgrade procedure by using the upgrade hw-module privileged EXEC command. If the symptom persists, copy the error message exactly as it appears and gather the output of the show tech-support command and contact your technical support representative with the gathered information.

%FPD_MGMT-3-IMG_DATA_UNCOMPRESS_ERROR : Could not uncompress [chars] FPD image for [chars] in [chars].

Explanation	An error has been detected during the uncompress operation of the compressed FPD image data.
Recommended Action	Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the show hw-module subslot fpd, show upgrade fpd table and show upgrade fpd file fpd-pkg-url commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-BUNDLE_EXTRACT_ERROR : Cannot extract the [chars] bundle from [chars] - [chars]

Explanation	Bundle file extraction error. The cause of the failure is indicated in the error message. The indicated file might not be a valid FPD image package file.
Recommended Action	Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the show hw-module subslot fpd, show upgrade fpd table and show upgrade fpd file fpd-pkg-url commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-PKG_VER_FILE_EXTRACT_ERROR : Cannot extract the [chars] version file from [chars] - [chars]

Explanation	Package version file extraction error. The cause of the failure is indicated in the error message. The indicated file might not be a valid FPD image package file.
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%FPD_MGMT-3-PKG_VER_FILE_EXTRACT_ERROR : Cannot extract the [chars] version file from [chars] - [chars]

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-INVALID_PKG_FILE : The indicated file ([chars]) is not a valid FPD image package file - [chars]

Explanation The file format does not appear to be a valid FPD image package.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-INVALID_PKG_FILE_SIZE : The indicated file ([chars]) does not have a valid FPD image package file size, minimum size = [dec] bytes.

Explanation The file size of the indicated FPD image package does not meet the required minimum size. The file is too small to be a valid FPD image package file.

Recommended Action Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the **show hw-module subslot fpd, show upgrade fpd table** and **show upgrade fpd file fpd-pkg-url** commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-READ_BNDL_HDR_ERROR : Failed to read the FPD bundle header from [chars] file.

Explanation The indicated file might not be a valid FPD image bundle or package file.

%FPD_MGMT-3-READ_BNDL_HDR_ERROR : Failed to read the FPD bundle header from [chars] file.

Recommended Action	Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the show hw-module subslot fpd, show upgrade fpd table and show upgrade fpd file fpd-pkg-url commands, then contact your technical support representative with the gathered information.
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%FPD_MGMT-3-INVALID_IMAGE_SIZE : The [chars] FPD image from [chars] file does not have a valid image size: expected size = [dec] bytes, actual size = [dec] bytes.

Explanation	The size of the indicated FPD image does not have the expected size. The FPD image bundle or package might not be a valid file.
Recommended Action	Make sure that the version of the FPD image package, which is stated in the package filename, matches or is compatible with the Cisco IOS software release that the system is running. If the version is not the correct one, try to obtain the right one from the Cisco Software Center website. If the problem persists, copy the error message exactly as it appears and gather the output of the show hw-module subslot fpd, show upgrade fpd table and show upgrade fpd file fpd-pkg-url commands, then contact your technical support representative with the gathered information.

%FPD_MGMT-3-MISSING_DEV_INFO : Could not find [chars] (FPD ID=[int]) in the list of FPD IDs populated for [chars] card in [chars].

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-MISSING_BUNDLE_ENTRY : Failed to find a matching entry in the programmable device bundle information table for [chars] in [chars]. Card type or HW version ([int].[int]) might not have FPD support.

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-CLOSE_FAILED : Failed to close [chars] file.

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-UNKNOWN_BNDL_HDR_FORMAT : Unknown header format version: [hex]

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-INVALID_UPGRADE_RESULT : Invalid upgrade result '[int]' received for the FPD image upgrade of [chars] (FPD ID=[int]) for [chars] card in [chars].

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-TOO_MANY_FPD_ENTRIES : Too many FPD entries for the FPD Bundle Info Table. Required number of entries = [int], maximum number of entries allowed = [int].

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-DUPLICATE_UPGRADE_RESULT : Upgrade result already received for the FPD image upgrade of FPD ID [int] for [chars] card in [chars].

Explanation	FPD_INTERNAL_SW_ERR_STD_EXPLANATION
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%FPD_MGMT-3-DUPLICATE_UPGRADE_RESULT : Upgrade result already received for the FPD image upgrade of FPD ID [int] for [chars] card in [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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%FPD_MGMT-3-UPGRADE_LIST_FULL : Could not add a new entry in the FPD Management Upgrade List. No upgrade will be performed for the [chars] card in [chars].

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-SW_ERROR : NULL

Explanation	FPD_INTERNAL_SW_ERR_STD_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.

%FPD_MGMT-3-IPC_FAILED : Failed to send IPC message to [chars] in [chars] - [chars]

Explanation	The system failed to send a message via IPC to the indicated card. The cause of the specific IPC failure is indicated in 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.

%FPD_MGMT-3-PKG_FILE_SEARCH_FAILED : FPD image package ([chars]) cannot be found in system's flash card or disk to do FPD upgrade.

Explanation	By default, if the upgrade fpd path <i>fpd-pkg-url</i> global configuration command is not configured, then the system will try to locate the required FPD image package file from removable flash cards or disks that are accessible by the system for FPD upgrade. This message indicates that the system could not find the package file.
Recommended Action	Make sure that the indicated FPD image package file is copied into a flash card or disk that is accessible by the system, then restart the FPD upgrade by reinsertion of the target card to the system or use of a system command to reload or power-cycle the target card.

%FPD_MGMT-3-CARD_DISABLED : [chars] card in [chars] is being disabled because of an incompatible FPD image version. Note that the [chars] package will be required if you want to perform the upgrade operation.

Explanation	The indicated card contains an incompatible FPD image version, and is being disabled to avoid operational problems with the existing Cisco IOS software. This can happen if the automatic upgrade feature has not been enabled with the upgrade fpd auto global configuration command or if the automatic upgrade operation failed to perform the required upgrade or because it could not find the necessary FPD image package file. The incompatible image will need to be upgraded in order for the system to enable the card.
Recommended Action	The FPD image upgrade can be performed automatically by making sure that the automatic upgrade feature is enabled with the upgrade fpd auto global configuration command and the necessary FPD image package file is located in the system's default filesystem (e.g. disk0:) or in a location indicated by the upgrade fpd path <i>directory-url</i> global configuration command. When the automatic upgrade feature is enabled, then the upgrade is triggered by the reinsertion of the card to the system or the use of a system command to reload or power-cycle the target card. Another way to perform the upgrade is through the use of the upgrade hw-module privileged EXEC command. For more information about these commands, refer to the FPD_DOCUMENT_NAME .

%FPD_MGMT-3-PKG_VER_MISMATCH_NOTE : The FPD image package being used ([chars]) is not the right version for this IOS version (it appears that a '[chars]' package was renamed to '[chars]'). An attempt to find the required FPD image will still be performed with this package.

Explanation	The indicated FPD image package that is being used in FPD automatic upgrade does not contain the correct version information for the IOS version that is running in the system. This condition can occur if a different version of the FPD image package was renamed to match the filename that the IOS image is expecting to use. The upgrade operation will still be performed by trying to find the required FPD image from the renamed package file.
Recommended Action	If the upgrade operation fails because the required FPD image cannot be found with the renamed FPD image package, replace the wrong package file with a valid one and perform the upgrade operation again.

%FPD_MGMT-3-INVALID_IMG_FORMAT : Invalid image format '[chars]' detected for FPD ID=[int].

Explanation	The selected FPD image to upgrade the indicated field programmable device does not have the right image format that can be used by the system to perform the upgrade operation.
Recommended Action	Please check if the FPD image package used in the upgrade is for the correct platform. This can be checked by using the show upgrade fpd package default privileged EXEC command.

%FPD_MGMT-2-CREATE_FAIL : Couldn't create [chars].

Explanation	The system does not have enough free main memory to create the specified resource.
Recommended Action	Make sure that the system main memory size meets the minimum requirement that is specified in the Cisco IOS software release note. If the system meets the minimum requirement for this Cisco IOS software release, make sure that the amount of free main memory in the system also meets the minimum memory required to use this software feature. Use the show memory command to find out this information and add more main memory if it is necessary. If the system meets all the memory requirements, copy the error message exactly as it appears on the console and gather the output of the show tech-support command and contact your technical support representative with this information.

FR

%FR-5-DLCICHANGE : Interface [chars] - DLCI [dec] state changed to [chars]

Explanation	The state of the Frame Relay PVC specified by the DLCI changed.
Recommended Action	Notification message only. No action required.

%FR-3-BQ_ENQ_ERR : fr_oqueue: Invalid datagramstart [hex] [hex], pak dropped

Explanation	A broadcast packet was detected in the Frame Relay output queue that contained an invalid datagram header. The packet has been dropped.
Recommended Action	If the router or some features are not operational due to this condition, attempt to disable the Frame Relay broadcast queue by entering the no frame-relay broadcast-queue command in interface configuration mode for a immediate workaround. And LOG_STD_ACTION

%FR-3-BQ_DEQ_ERR : fr_bq_proc: unknown packet on broadcast queue, packet dropped!

Explanation	Invalid packet on FR broadcast queue, packet dropped!
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%FR-3-BQ_DEQ_ERR : fr_bq_proc: unknown packet on broadcast queue, packet dropped!

Recommended Action If the router or some features are not operational due to this condition, attempt to disable the Frame Relay broadcast queue by entering the **no frame-relay broadcast-queue** command in interface configuration mode for a immediate workaround. And LOG_STD_ACTION

%FR-3-BQ_DEQ_PTR : fr_br_proc: hdr-[hex] size-[dec] dlci-[hex] [hex] [hex]

Explanation The Frame Relay broadcast queue contains a datagram that is invalid. The packet has been dropped.

Recommended Action Inform Cisco technical support representative

%FR-4-DLCIDELETE : Interface [chars] - DLCI [dec] - PVC use count [dec]

Explanation Trying to remove PVC DLCI while it is still being used.

Recommended Action If this error can be easily recreated, enter the **debug frame-relay event** command and recreate the condition that caused this error. Copy all the debug messages text and the system message text exactly as it appears on the console or in the system log, enter the show tech-support command, contact your Cisco technical support representative, and provide the representative with the gathered information.

%FR-3-NOMEMORY : No memory for [chars]

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.

%FR-4-NNISUBINTF : Subinterface not supported on Frame Relay NNI

Explanation Trying to change the state of a subinterface on FR NNI.

Recommended Action Reconfigure the Frame Relay link type or remove the subinterface.

%FR-3-FRTSZEROCIR : FRTS: attempt to configure zero CIR

Explanation It should not be possible to configure a zero CIR. To do so would prevent data transmission on the VC.

Recommended Action Inform Cisco technical support representative

%FR-5-CONVERT_ROUTE : Converting route pair to connect

Explanation A pair of Frame Relay routes are being converted to connections.

Recommended Action No action is required.

%FR-3-NULL_PTR_DEREF : Dereferencing NULL pointer [chars]

Explanation Dereferencing a NULL pointer

Recommended Action Inform Cisco technical support representative

%FR-3-MLPOFR_ERROR : MLPoFR not configured properly on Link [chars] Bundle [chars] :[chars]

Explanation The configuration of MLPoFR on the FR PVC is either incorrect or incomplete.

Recommended Action Ensure that FRTS has been configured on physical interface and that the service policy has been attached to the Virtual Template. To verify the configuration, use the **show running-config serial interface** and **show running-config virtual-template** commands.

%FR-3-SVC_SETUP : [chars]: interface [chars]: DLCI [dec]

Explanation An error occurred while attempting to setup a Frame-Relay SVC. There may have been an attempt to setup a SVC using a DLCI thats already in use

Recommended Action Check if the DLCI is already in use. For example: A PVC may be configured to use the same DLCI (use **show frame-relay pvc** to verify). If so, please remove the configuration

%FR-3-MFR_UNEXPECTEDEVENT : MFR Timer process error: event table is NULL for event [dec], state [dec]

Explanation The event was ignored because the state transition table is NULL. Normal processing continue.

Recommended Action Please refer to Bug Toolkit on CCO to check for existing bugs. If you need further assistance, please provide 'show version' and 'show running' and any configurations that were being done at the time the message was seen. Copy the message text exactly as it appears on the console or in the system log. Inform Cisco technical support representative, and provide the representative with the gathered information.

%FR-3-FR_PVC_STATUS_Q_CREATE_ERROR : FR PVC status event queue error: failed to create queue

Explanation	Unable to create FR PVC status event queue
Recommended Action	LOG_STD_ACTION

%FR-3-MAP_DELETE_ERROR : [chars]

Explanation	An error occurred while deleting a frame-relay map
Recommended Action	LOG_STD_ACTION

%FR-3-FR_INV_OUTPUT_VECTOR : An invalid output vector detected on interface [chars]

Explanation	An invalid internal function vector is installed on a Frame Relay interface, which affects the ability of processing outbound traffic on the device.
Recommended Action	Remove and re-apply Frame Relay encapsulation on the interface to recover from the error.

FRAG

%FRAG-3-FRAG_STATE_MEM_REQ_FAILED :

Explanation	IPC failure occurred when attempting to request more fragment state pool memory.
Recommended Action	LOG_STD_ACTION

%FRAG-3-FRAG_STATE_MEM_INIT_FAILED :

Explanation	Failure occurred initializing fragment state pool.
Recommended Action	LOG_STD_ACTION

%FRAG-3-FRAG_DESC_MEM_REQ_FAILED :

Explanation	IPC Failure occurred when attempting to request more fragment descriptor pool memory.
Recommended Action	LOG_STD_ACTION

%FRAG-3-FRAG_DESC_MEM_INIT_FAILED :

Explanation	Failure occurred initializing fragment descriptor pool.
Recommended Action	LOG_STD_ACTION

%FRAG-3-REASSEMBLY_ERR : Reassembly/VFR encountered an error: [chars]

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

%FRAG-3-REASSEMBLY_DBG : Reassembly/VFR encountered an error: [chars], [chars] [int], [chars] [int]

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

%FRAG-2-UNENABLED : [chars] feature not enabled at interface [chars], packet cannot be processed, MSGDEF_LIMIT_SLOW

Explanation	Reassembly or fragmentation feature as indicated not enabled by the control plane. This is a critical problem.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

%FRAG-3-INVALID_MTU : [chars] feature failed at interface [chars] due to invalid L3 MTU [int], MSGDEF_LIMIT_SLOW

Explanation	Fragmentation was not able to be performed due to invalid adj L3 MTU given by the control plane.
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%FRAG-3-INVALID_MTU : [chars] feature failed at interface [chars] due to invalid L3 MTU [int], MSGDEF_LIMIT_SLOW

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

%FRAG-3-INVALID_QFP_NO : Invalid qfp device no.: [chars]

Explanation Invalid qfp device no.

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

FRAG_DESC_PROXY

%FRAG_DESC_PROXY-3-PROXY_IPC_FRAG_MEM_INIT_FAILED :

Explanation Initialization of fragment descriptor pool failed.

Recommended Action LOG_STD_ACTION

%FRAG_DESC_PROXY-3-PROXY_IPC_VFR_MEM_INIT_FAILED :

Explanation Initialization of vFR state pool failed.

Recommended Action LOG_STD_ACTION

%FRAG_DESC_PROXY-3-PROXY_IPC_FRAG_MEM_EXTEND_FAILED :

Explanation Increasing of fragment descriptor pool failed.

Recommended Action LOG_STD_ACTION

%FRAG_DESC_PROXY-3-PROXY_IPC_VFR_MEM_EXTEND_FAILED :

Explanation Increasing of vFR state pool failed.

%FRAG_DESC_PROXY-3-PROXY_IPC_VFR_MEM_EXTEND_FAILED :

Recommended Action LOG_STD_ACTION

%FRAG_DESC_PROXY-4-PROXY_IPC_INVALID_MSG : [hex]

Explanation Invalid IPC message subtype.
Recommended Action LOG_STD_ACTION

%FRAG_DESC_PROXY-3-PROXY_IPC_INIT_FAILED : [dec]

Explanation IPC handler initialization failed.
Recommended Action LOG_STD_ACTION

FRR_OCE

%FRR_OCE-3-GENERAL : [chars]

Explanation An internal software error occurred.
Recommended Action Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.

%FRR_OCE-3-NULLPOINTER : [chars]

Explanation An internal software error occurred.
Recommended Action Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.

%FRR_OCE-3-INVALIDPAR : Parent OCE [IPV6 address]([chars]) is [chars]

Explanation An internal software error occurred.
Recommended Action Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.

%FRR_OCE-3-INVALID_ADDRTYPE : addrtype to xdr: [dec] [dec]

Explanation An internal software error occurred.

%FRR_OCE-3-INVALID_ADDRTYPE : addrtype to xdr: [dec] [dec]

Recommended Action	Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.
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%FRR_OCE-3-INVALID_BFD_HNDL : [chars] bfd notification handle is [IPV6 address]

Explanation	An internal software error occurred.
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Recommended Action	Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.
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%FRR_OCE-3-INVALID_BFD_EVT : Error in BFD event retrieval bfd notification handle is [IPV6 address], session handle is [IPV6 address]

Explanation	An internal software error occurred.
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Recommended Action	Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.
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%FRR_OCE-3-INVALID_BFD_SESSION : BFD session db node mismatch: bfd context db node is [IPV6 address], frr db node is [IPV6 address]

Explanation	An internal software error occurred.
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Recommended Action	Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.
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%FRR_OCE-3-ERROR_BFD_SESSION : [chars]BFD returned [dec] node [IPV6 address] handle [IPV6 address] interface [dec]

Explanation	An internal software error occurred.
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Recommended Action	Refer to the Bug Navigator at www.cisco.com to see if this condition has been previously reported and resolved in a later release.
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%FRR_OCE-4-INVALID_BACKUP_OCE : Invalid backup oce is found because interface [int] is removed or reloading

Explanation	The interface or line card is reloading or removed.
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Recommended Action	Check whether the line card is present and the interface is up.
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%FRR_OCE-4-NULL_PRIMARY_OCE : [chars]

Explanation	The interface or line card is reloading or pulled off.
Recommended Action	Check whether the line card is in online and the interface is up.

%FRR_OCE-5-ISSULOG : FRR is not ISSU compatible, notified by [chars]

Explanation	ISSU negotiation results for FRR not compatible
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

FR_ELMI

%FR_ELMI-3-INCORRECT_ID : Incorrect ID

Explanation	Incorrect ID in QOS parameter message.
Recommended Action	

%FR_ELMI-3-INCORRECT_IE : Incorrect IE

Explanation	Enhanced LMI is not configured on the interface. The frame was dropped.
Recommended Action	

FR_FRAG

%FR_FRAG-3-BADPAK : Inconsistent packet: size [dec], linktype [chars], input [chars], output [chars]

Explanation	A packet being fragmented has inconsistent size and data
Recommended Action	Inform Cisco technical support representative

FR_HA**%FR_HA-3-SYNC : [chars]: code [dec]**

Explanation	An error occurred when syncing Frame Relay state to the Standby Route Processor. This may affect Non-Stop Forwarding capability on Frame Relay interfaces during and after switchover until the state is recovered through normal protocol operation.
Recommended Action	Reset the standby processor to attempt the sync again. LOG_STD_RECUR_ACTION

%FR_HA-3-ISSU : [chars]: [chars]

Explanation	A Frame Relay ISSU 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/). Issue the show tech-support command to gather data that may help identify the nature of the error. If you still require assistance, open a case with the Technical Assistance Center via the Internet (https://mycase.cloudapps.cisco.com/case), or contact your Cisco technical support representative and provide the representative with the gathered information.

FR_LMI through GEN_DB

- [FR_LMI](#)
- [FR_VCB](#)
- [FW](#)
- [FWALL_PROXY](#)
- [GBIC_SECURITY](#)
- [GBIC_SECURITY_CRYPT](#)
- [GBIC_SECURITY_UNIQUE](#)
- [GDOI](#)
- [GENERIC_SUBBLOCK](#)
- [GEN_DB](#)

FR_LMI**%FR_LMI-3-INCORRECT_IE : Enhanced LMI not configured, incorrect IE**

Explanation	An unexpected LMI information element has been received.
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%FR_LMI-3-INCORRECT_IE : Enhanced LMI not configured, incorrect IE

Recommended Action	Verify the configuration for enhanced LMI on the switch matches the configuration on the router.
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%FR_LMI-3-MSG_TOO_BIG : [chars] ([chars]) Status message too big, status of PVCs with dlci values from [dec] will not be reported.

Explanation	LMI STATUS message size is too big to fit into interface MTU.
Recommended Action	LMI type - cisco - does not support segmentation of STATUS message, so either increase the interface MTU or use LMI types - ansi or q933a.

FR_VCB**%FR_VCB-3-PROCESS_SWITCHING : Switching error - vcb [chars] - [chars]**

Explanation	An error occurred while switching packet(s) across vc-bundle
Recommended Action	As a workaround, delete the vc-bundle and employ a PVC to substitute for the vc-bundle

%FR_VCB-3-FIBSW_MISSING_TABLE_ENTRY : FIB switching error - vc-bundle [chars]

Explanation	An error occurred while FIB switching packet(s) across vc-bundle
Recommended Action	As a workaround, delete the vc-bundle and employ a PVC to substitute for the vc-bundle

%FR_VCB-3-CONFIG : Configuration error - vcb [chars] - [chars]

Explanation	An error occurred while interpreting vc-bundle configuration
Recommended Action	Try reconfiguring the vc-bundle

%FR_VCB-3-BUMPING : Bumping error - vcb [chars] - [chars]

Explanation	An error occurred while bumping traffic in a vc-bundle
Recommended Action	As a workaround, reconfigure the vc-bundle to avoid bumping

%FR_VCB-5-UPDOWN : FR VC-Bundle [chars] changed state to [chars]

Explanation	The state of a frame-relay vc-bundle changed to up/down
Recommended Action	Notification message only. No action required

%FR_VCB-3-ADJ_SRC_ERROR : Error sourcing adjacency - vc-bundle [chars] dlci [dec]

Explanation	An error occurred while setting up the adj for a member pvc
Recommended Action	Try reconfiguring the vc-bundle

FW

%FW-4-ALERT_ON : [chars][chars], count ([dec]/[dec]) current 1-min rate: [dec]

Explanation	Either the max-incomplete high threshold of half-open connections or the new connection initiation rate has been exceeded. This error message indicates that an unusually high rate of new connections is coming through the firewall, and a DOS attack may be in progress. This message is issued only when the max-incomplete high threshold is crossed.
Recommended Action	This message is for informational purposed only, but may indicate a security problem.

%FW-4-ALERT_OFF : [chars][chars], count ([dec]/[dec]) current 1-min rate: [dec]

Explanation	Either the number of half-open connections or the new connection initiation rate has gone below the max-incomplete low threshold. This message indicates that the rate of incoming new connections has slowed down and is issued only when the max-incomplete low threshold is crossed.
Recommended Action	This message is for informational purposed only, but may indicate that an attack has stopped.

%FW-4-HOST_TCP_ALERT_ON : [chars]Max tcp half-open connections ([dec]) exceeded for host [IP_address].

Explanation	The max-incomplete host limit of half-open TCP connections has been exceeded. This message indicates that a high number of half-open connections is coming to the protected server, and may indicate that a SYN flood attack is in progress and is targeted to the specified server host.
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%FW-4-HOST_TCP_ALERT_ON : [chars]Max tcp half-open connections ([dec]) exceeded for host [IP_address].

Recommended Action This message is for informational purposes only, but may indicate that a SYN flood attack was attempted. If this alert is issued frequently and identified to be mostly false alarms, then the max-incomplete host threshold value is probably set too low, and there is a lot of legitimate traffic coming in to that server. In this case, the max-incomplete host parameter should be set to a higher number to avoid false alarms.

%FW-2-BLOCK_HOST : [chars]Blocking new TCP connections to host [IP_address] for [dec] minute[chars] (half-open count [dec] exceeded).

Explanation This message indicates that any subsequent new TCP connection attempts to the specified host will be denied because the max-incomplete host threshold of half-open TCP connections is exceeded, and the blocking option is configured to block the subsequent new connections. The blocking will be removed when the configured block-time expires.

Recommended Action This message is for informational purposes only, but may indicate that a SYN flood attack was attempted.

%FW-4-UNBLOCK_HOST : [chars]New TCP connections to host [IP_address] no longer blocked

Explanation New TCP connection attempts to the specified host are no longer blocked. This message indicates that the blocking of new TCP attempts to the specified host has been lifted.

Recommended Action This message is for informational purposed only, but may indicate a SYN flood attack was attempted to the host.

%FW-3-NOTFOUND : [chars]Session context for ([IP_address]:[dec]) => ([IP_address]:[dec]) not found.

Explanation The CBAC code was searching its database for information for a particular inspection session, but this information was not found.

Recommended Action If this message recurs, copy it down exactly as it appears and contact your technical support representative for assistance.

%FW-6-SESS_AUDIT_TRAIL_START : [chars]Start [chars] session: initiator ([IP_address]:[dec]) -- responder ([IP_address]:[dec])

Explanation This message documents the opening of an inspection session. The message is issued at the start of each inspected session and it records the source/destination addresses and ports.

Recommended Action This message is for informational purposed only, and can be used to collect the basic accounting for inspected sessions.

%FW-6-SESS_AUDIT_TRAIL : [chars]Stop [chars] session: initiator ([IP_address]:[dec]) sent [int] bytes -- responder ([IP_address]:[dec]) sent [int] bytes

Explanation This message documents the per-session transaction log of network activities. The message is issued at the end of each inspected session and it records the source/destination addresses and ports, as well as the number of bytes transmitted by the client and server.

Recommended Action This message is for informational purposes only, and can be used to collect the basic accounting for the inspected sessions.

%FW-3-FTP_SESSION_NOT_AUTHENTICATED : [chars]Command issued before the session is authenticated -- FTP client [IP_address] FTP server [IP_address]

Explanation An FTP client attempted to use the PORT command or an FTP server attempted to use the response to a PASV command to open a data channel in the firewall prior to the client's successful authentication with the server. This is a suspicious attempt by the client/server to trick the firewall into opening a hole so that outside attackers can take advantage of the firewall opening. This message indicates that a suspicious violation was detected, and the PORT or PASV command/response is rejected by the firewall. The data channel in the firewall will not be opened until the authentication is done successfully.

Recommended Action This message is for informational purposes only, but may indicate that an illegal attempt was made to modify the firewall security policy.

%FW-3-FTP_PRIV_PORT : [chars]Privileged port [dec] used in [chars] -- FTP client [IP_address] FTP server [IP_address]

Explanation An FTP client attempted to use a PORT command or the FTP server attempted to use the response to a PASV command to trick the firewall into opening access to a privileged port. This message indicates that a suspicious violation was detected from the FTP client/server attempting to modify the security policy in the firewall. The command is rejected and the connection is reset by the firewall.

Recommended Action This message is for informational purposes only, but may indicate that an attempt was made to gain access to privileged ports.

%FW-3-FTP_NON_MATCHING_IP_ADDR : [chars]Non-matching address [IP_address] used in [chars] -- FTP client [IP_address] FTP server [IP_address]

Explanation An FTP client attempted to use a PORT command or the FTP server attempted to use the response to a PASV command to trick the firewall into opening access to a third-party host that is different from the two hosts engaged in the FTP connection. This message indicates that a suspicious violation was detected while attempting to modify the security policy in the firewall. The command is rejected and the connection is reset by the firewall.

%FW-3-FTP_NON_MATCHING_IP_ADDR : [chars]Non-matching address [IP_address] used in [chars] -- FTP client [IP_address] FTP server [IP_address]

Recommended Action This message is for informational purposes only, but may indicate that an attempt was made to grant or open access to unauthorized hosts.

%FW-3-SMTP_INVALID_COMMAND : [chars]Invalid SMTP command ([chars])(total [dec] chars) from initiator ([IP_address]:[dec])

Explanation The CBAC code detected an invalid SMTP command in the inspected SMTP connection. This message indicates that a suspicious violation was detected that may be an attack to the mail server system. The command is rejected and the connection is reset by the firewall immediately.

Recommended Action This message is for informational purposes only, but may indicate a security problem.

%FW-3-SMTP_UNSUPPORTED_PARAMETER : [chars]Unsupported SMTP parameter ([chars]) from initiator ([IP_address]:[dec])

Explanation The CBAC code detected an invalid/unsupported parameter in an SMTP command. The parameter "data size" means that the initiator is trying to send a huge data which is more than the default or configured firewall threshold (max-data). The parameter "@ or # to ETRN" means that the initiator is trying to send an invalid ETRN command.

Recommended Action This message is for informational purposes only, but may indicate a security problem.

%FW-3-HTTP_JAVA_BLOCK : [chars]JAVA applet is blocked from ([IP_address]:[dec]) to ([IP_address]:[dec]).

Explanation A Java applet was seen in the HTTP channel, and the firewall configuration indicates that the applet from this Web site should be prohibited. The message indicates that the applet is being downloaded from one of the prohibited sites and its entrance to the protected network is not allowed. The connection is reset and the transmission of the detected applet is aborted immediately.

Recommended Action This message is for informational purposes only, but may indicate a security problem.

%FW-4-TCP_SENDMAIL_BAD_TO_SIG : [chars]Sendmail Invalid Recipient - from [IP_address] to [IP_address]

Explanation Triggers on any mail message with a ' 'pipe' (|) symbol in the recipient field.

Recommended Action For security reasons users should not be allowed to execute programs via e-mail servers. This is a very serious indication that your network may be under attack and the source should be shunned immediately.

%FW-4-TCP_SENDMAIL_BAD_FROM_SIG : [chars]Sendmail Invalid Sender - from [IP_address] to [IP_address]

Explanation	Triggers on any mail message with a "pipe" () symbol in the "From:" field.
Recommended Action	For security reasons users should not be allowed to execute programs via e-mail servers. This is a very serious indication that your network may be under attack and the source should be shunned immediately.

%FW-4-TCP_SENDMAIL_OLD_SIG : [chars]Archaic Sendmail Attacks - from [IP_address] to [IP_address]

Explanation	Triggers when "wiz" or "debug" commands are sent to the SMTP port.
Recommended Action	For security reasons users should not be allowed to execute programs via e-mail servers. This is a very serious indication that your network may be under attack and the source should be shunned immediately.

%FW-4-TCP_SENDMAIL_DECODE : [chars]Sendmail Decode Alias - from [IP_address] to [IP_address]

Explanation	Triggers on any mail message with ": decode@" in the header. The decode alias is used to uudecode files and is primarily implemented as a convenience for system administration.
Recommended Action	For security reasons users should not be allowed to execute programs via e-mail servers. This is a very serious indication that your network may be under attack and the source should be shunned immediately.

%FW-4-TCP_MAJORDOMO_EXEC_BUG : [chars]Majordomo Execute Attack - from [IP_address] to [IP_address]

Explanation	A bug in the Majordomo program will allow remote users to execute arbitrary commands at the privilege level of the server.
Recommended Action	For security reasons users should not be allowed to execute programs via e-mail servers. This is a very serious indication that your network may be under attack and the source should be shunned immediately.

%FW-4-TCP_SENDMAIL_INVALID_COMMAND : [chars]Invalid SMTP command - [IP_address] to [IP_address]

Explanation	Triggers on an invalid SMTP command in the SMTP connection. This message indicates that a suspicious violation was detected that may be an attack to the mail server system.
Recommended Action	This is unusual traffic and may warrant investigation.

%FW-6-PRE_ALLOCATED_MEDIA_CHANNEL : [chars]Pre-Allocated [chars] channel from [IP_address][[dec]:[dec]] to [IP_address][[dec]:[dec]]

Explanation	CBAC inspection has pre-allocated data-structures and created ACEs to allow the data/media traffic to flow through the Firewall.
Recommended Action	This message is for informational purposes only. It may be used to verify whether data/media sessions are being created.

%FW-4-SKINNY_INSPECTION_DISABLED : Skinny Inspection Disabled; Error = [chars]

Explanation	Skinny inspection is disabled due to internal errors and hence firewall will not inspect any Skinny protocol traffic. This will be caused when firewall does not have enough memory to allocate initial skinny data-structures.
Recommended Action	Verify the memory usage to see if any process has used large amounts of memory and see if any corrective action can be taken for it. Otherwise, upgrade the memory. In any case, the firewall/router needs to be restarted to enable Skinny inspection.

%FW-6-INIT : Firewall inspection startup completed; beginning operation.

Explanation	Firewall inspection is configured on at least one interface in the startup config.
Recommended Action	This message is for informational purposes only. It may be used to verify whether firewall inspection is on at startup.

%FW-6-DROP_PKT : Dropping [chars] pkt [IP_address]:[int] => [IP_address]:[int]

Explanation	Packet dropped by firewall inspection.
Recommended Action	This message is for informational purposes only. It may be used to verify that packets were dropped by the firewall.

%FW-5-POP3_INVALID_COMMAND : [chars]Invalid POP3 command from initiator ([IP_address]:[dec]): [chars]

Explanation	The CBAC code detected an invalid POP3 command in the inspected POP3 connection. This message indicates that a suspicious violation was detected that may be an attack to the mail server system. The command is rejected and the connection is reset by the firewall immediately.
Recommended Action	This message is for informational purposes only, but may indicate a security problem.

%FW-5-POP3_NON_SECURE_LOGIN : [chars]LOGON POP3 command from initiator ([IP_address]:[dec]): [chars]

Explanation The CBAC code detected a cleartext logon attempt in the inspected POP3 connection while secure-login is configured. The command is rejected and the connection is reset by the firewall immediately.

Recommended Action This message is for informational purposes only, but may indicate a security problem.

%FW-5-IMAP_INVALID_COMMAND : [chars]Invalid IMAP command from initiator ([IP_address]:[dec]): [chars]

Explanation The CBAC code detected an invalid IMAP command in the inspected IMAP connection. This message indicates that a suspicious violation was detected that may be an attack to the mail server system. The command is rejected and the connection is reset by the firewall immediately.

Recommended Action This message is for informational purposes only, but may indicate a security problem.

%FW-5-IMAP_NON_SECURE_LOGIN : [chars]LOGON IMAP command from initiator ([IP_address]:[dec]): [chars]

Explanation The CBAC code detected a cleartext logon attempt in the inspected IMAP connection while secure-login is configured. The command is rejected and the connection is reset by the firewall immediately.

Recommended Action This message is for informational purposes only, but may indicate a security problem.

%FW-4-SESSION_THRESHOLD_EXCEEDED : [chars]Number of sessions for the firewall rule '[chars]' applied on interface '[chars]' exceeds the configured threshold [dec]

Explanation This message indicates that the number of established CBAC sessions have crossed the configured threshold.

Recommended Action This message is for informational purpose only, but may indicate a security problem. This might also mean that the session threshold is set to a low value, in which case the threshold value could be increased through CLI command

%FW-5-EMAIL_DROP_FRAGMENT : [chars]Dropping [chars] command fragment from initiator ([IP_address]:[dec])

Explanation The CBAC code detected a pipelined POP3/IMAP command fragment, in the inspected POP3 connection. This message indicates that a suspicious violation was detected that may be an attack to the mail server system. The fragment is dropped by the firewall immediately.

%FW-5-EMAIL_DROP_FRAGMENT : [chars] Dropping [chars] command fragment from initiator ([IP_address]:[dec])

Recommended Action This message is for informational purposes only, but may indicate a security problem.

%FW-3-INTERNAL_ERROR : IP Firewall internal failure -- [chars]

Explanation This message indicates the misc errors in the IP FW subsystem

Recommended Action This message indicates the misc errors in the IP FW subsystem

%FW-3-TIMER_WHEEL_INIT_FAILED : Timer Wheel initialization failed

Explanation This message indicates that Timer Wheel initialization is failed in the FW subsystem

Recommended Action This message indicates a series problem with IOS Firewall. On seeing this error message, copy the message exactly as it appears, and report it to your technical support representative.

%FW-3-RESPONDER_WND_SCALE_INI_NO_SCALE : Dropping packet - Invalid Window Scale option for session [IP_address]:[dec] to [IP_address]:[dec] (Initiator scale [int] Responder scale [int])

Explanation Firewall detected the packet from Responder to Initiator has windows scaling option but did not have the scaling option in the SYN packet from Initiator to responder. This is an error according to RFC 1323

Recommended Action Turn on window scaling option on both Initiator and Responder, or Turn off window scaling on the Responder

FWALL_PROXY

%FWALL_PROXY-3-PROXY_SCB_MEM_INIT_FAILED :

Explanation Initialization of session control block pool failed.

Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_ICMP_ERROR_MEM_INIT_FAILED :

Explanation Initialization of ICMP Error control block pool failed.

Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_SCB_MEM_EXTEND_FAILED :

Explanation	Increasing of session control block pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_ICMP_ERROR_MEM_EXTEND_FAILED :

Explanation	Increasing of ICMP Error pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HA_MEM_INIT_FAILED :

Explanation	Initialization of ha retry pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HA_MEM_EXTEND_FAILED :

Explanation	Increasing of ha retry pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HOSTDB_MEM_INIT_FAILED :

Explanation	Initialization of host database pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HOSTDB_MEM_EXTEND_FAILED :

Explanation	Increasing of host database pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_TEARDOWN_MEM_INIT_FAILED :

Explanation	Initialization of teardown pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_TEARDOWN_MEM_EXTEND_FAILED :

Explanation	Increasing of teardown pool failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_FWALL_INIT_FAILED : [dec]

Explanation	Firewall initialization failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_SEND_INIT_FAILED : [chars] [dec]

Explanation	IPC failed to reply for firewall initialization status.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_FAILED : [chars] [dec]

Explanation	IPC message allocation for firewall failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_TBL_INIT_FAILED : [chars]

Explanation	Failed to initialize table.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_SEND_STATS_FAILED : [dec]

Explanation	IPC send failed to reply for firewall status.
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%FWALL_PROXY-3-PROXY_IPC_SEND_STATS_FAILED : [dec]

Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_SEND_SESSION_FAILED : [dec]

Explanation IPC send failed to reply for firewall session query.
Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_SEND_CLEAR_FAILED : [dec]

Explanation IPC send failed to reply for firewall session clear.
Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_SEND_DEBUG_FAILED : [dec]

Explanation IPC send failed to reply for firewall session debug.
Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_SEND_SCB_QUERY_FAILED : [dec]

Explanation IPC send failed to reply for firewall scb query.
Recommended Action LOG_STD_ACTION

%FWALL_PROXY-4-PROXY_IPC_INVALID_MSG : [hex]

Explanation Invalid IPC message subtype.
Recommended Action LOG_STD_ACTION

%FWALL_PROXY-4-PROXY_IPC_INVALID_MSG_LEN : [dec]:[dec] len [dec] flags [hex] source [dec]

Explanation Invalid IPC message length.
Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_INIT_FAILED : [dec]

Explanation IPC handler initialization failed.**Recommended Action** LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_ALLOC_FAILED : [int]

Explanation IPC allocation failed.**Recommended Action** LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_SEND_FAILED : [int]:[chars]

Explanation IPC send failed.**Recommended Action** LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HSL_CREATE_FAILED :

Explanation HSL creation failed.**Recommended Action** LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HSL_ADD_DEST_FAILED :

Explanation HSL add destination failed.**Recommended Action** LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HSL_BIND_FAILED :

Explanation HSL bind failed.**Recommended Action** LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HSL_ENABLE_FAILED :

Explanation	HSL enable failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HSL_BIND_TEMPLATE_FAILED : [dec]

Explanation	HSL bind tempalte failed at given index.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-4-PROXY_HSL_ALREADY_INIT :

Explanation	HSL logger already initialized
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-4-PROXY_HSL_NOT_INIT : [int]

Explanation	HSL logger not initialized
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HSL_MODIFY_FAILED :

Explanation	HSL modification failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_HSL_MODIFY_DEST_FAILED :

Explanation	HSL modify destination failed.
Recommended Action	LOG_STD_ACTION

%FWALL_PROXY-4-PROXY_IPC_UNINIT_POOL_FAILED : [chars]: [dec]

Explanation	Could not destroy chunk pool
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%FWALL_PROXY-4-PROXY_IPC_UNINIT_POOL_FAILED : [chars]: [dec]

Recommended Action LOG_STD_ACTION

%FWALL_PROXY-4-PROXY_UNINIT_SESSIONS : in use [int] [int]

Explanation Not all sessions freed

Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_IPC_ERM_CONF_CHANGE_FAILED : [dec]

Explanation FW IPC send failed to reply for event rate monitoring configuration change.

Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_DEBUG_REG_FAILED : [dec]

Explanation FW Conditional Debugging registration failed.

Recommended Action LOG_STD_ACTION

%FWALL_PROXY-3-PROXY_FWALL_VFR_REG_FAILED : [chars] err: [dec]

Explanation FW VFR registration failed.

Recommended Action LOG_STD_ACTION

GBIC_SECURITY

%GBIC_SECURITY-4-GBIC_INTERR : Internal error occurred in setup for GBIC interface [chars]

Explanation The system could not allocate resources, or had some other problem, in the setup for the specified GBIC interface.

Recommended Action Reload the system. If the problem persists, contact TAC.

%GBIC_SECURITY-4-EEPROM_READ_ERR : Error in reading GBIC serial ID in [chars]

Explanation	Error when reading GBIC type from EEPROM
Recommended Action	Please remove GBIC from this Port

%GBIC_SECURITY-4-EEPROM_CRC_ERR : EEPROM checksum error for GBIC in [chars]

Explanation	The GBIC in the port specified in the error message has invalid EEPROM data.
Recommended Action	Remove the GBIC from the specified port.

%GBIC_SECURITY-4-EEPROM_SECURITY_ERR : GBIC in [chars] failed security check

Explanation	The GBIC in the port specified in the error message has invalid EEPROM data.
Recommended Action	Remove the GBIC from the specified port.

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

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

%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.

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

Explanation	Policy Installation Success
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%GDOI-5-GM_INSTALL_POLICIES_SUCCESS : SUCCESS: Installation of Reg/Rekey policies from KS [chars] for group [chars] & gm identity [chars] fvrf [chars] ivrf [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-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

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center 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.

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

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 .

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

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

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 configugred cooperative key servers is lost. Some might consider this a hostile event.

Recommended Action Contach 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 authorized 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_SYNCUP_2_REPLACE : Group [chars] transitioned to primary but no policy generated yet, continuing with POLICY REPLACE rekey

Explanation KS Group has transitioned to new Primary but no policy generated yet, to recover from this situation, continuing with POLICY REPLACE rekey

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_UNSO'L_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 distrupction 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-5-TEK_ATD_TIMER_STARTED : TEK ATD Timer started for [dec] seconds, New TEK will be installed once ATD timer expires

Explanation	TEK ATD timer started and new TEK will be installed after atd timer expiry
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center 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_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.

%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]

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.

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).

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center 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_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.
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center 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 [chars] 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.

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 [chars] 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

%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

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

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center 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.

%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.

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
Recommended Action	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (https://bst.cloudapps.cisco.com/bugsearch/). If you still require assistance, open a case with the Technical Assistance Center 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-BUILDHDR : 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-UNPACKHDR : 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-GSBNOTISSU-AWARE : 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, dequeu 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, dequeu 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.
