



## ESS\_IPSUB through HL\_MGR

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## ESS\_IPSUB through ETHERNET\_PROXY

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**ESS\_IPSUB****%ESS\_IPSUB-3-ESS\_IPSUB\_STUB : CPP ESS IPSUB executes stub entry in [chars] direction**

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

<b>Explanation</b>	Allocation of memory resource demanded by ESS IPSUB FSOL throttle failed. This is a serious problem at the ESS IPSUB FSOL initialization for throttling.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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**

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

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

<b>Explanation</b>	Cisco internal software error. CPP ESS Proxy received a corrupted message from control plane. This message will be ignored.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

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

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

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

**%ESS\_PROXY-3-PROXY\_IPC\_NO\_HDLR : CPP ESS Proxy received unregistered message type [dec]**

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

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

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

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

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**%ESS\_PROXY-2-KA\_PKT\_TMPL\_BFR\_ALLOC\_FAILED : CPP ESS Proxy Session Keepalive packet template allocation failure ([chars] buffer length: [dec]).**


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

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**ESS\_SWITCH**


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**%ESS\_SWITCH-3-ESS\_STUB : CPP ESS switching ([chars]) feature executes stub entry in [chars] direction**


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

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**%ESS\_SWITCH-3-STATS\_INVALID\_PTR : CPP ESS Switching invalid statistics block for session [chars], MSGDEF\_LIMIT\_GLACIAL**


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

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**ETHERCHANNEL**


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**%ETHERCHANNEL-2-PROXY\_IPC\_INIT\_FAILED : QFP Etherchannel Proxy IPC interface initialization failure (result: [dec]).**


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<b>Explanation</b>	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.
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**%ETHERCHANNEL-2-PROXY\_IPC\_INIT\_FAILED : QFP Etherchannel Proxy IPC interface initialization failure (result: [dec]).**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%ETHERCHANNEL-3-INV\_PROXY\_MSG : QFP ETHERCHANNEL Proxy received invalid Message ID [dec]**

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

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**%ETHERCHANNEL-3-PROXY\_IPC\_ALLOC\_FAIL : QFP ETHERCHANNEL Proxy ([chars]) response lost due to buffer allocation failure (Interface [chars])**

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

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**%ETHERCHANNEL-3-PROXY\_SID\_UPDATE\_LOCK\_ERROR : QFP EC Proxy ([chars]) Multiple SID Update Locks to same interface (Interface [chars], SID: [hex])**

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

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**%ETHERCHANNEL-3-PROXY\_SID\_UPDATE\_COMPLETE\_ERROR : QFP EC Proxy ([chars]) SID Update Complete w/o Preceding Lock (Interface [chars], SID: [hex])**


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

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**%ETHERCHANNEL-3-LOCK\_ERROR : QFP EC Lock Failure: retval:[dec] tries[dec]**


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

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**%ETHERCHANNEL-3-LOCK\_STATE\_ERROR : QFP EC Lock State Failure: retval:[dec]**


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

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**ETHERCHANNEL\_LB**


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**%ETHERCHANNEL\_LB-3-MSG\_SEND\_FAIL : The load-balance message [dec] has failed to send**


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<b>Explanation</b>	The load-balancing feature has detected an error while trying to send an internal message.
<b>Recommended Action</b>	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.

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**%ETHERCHANNEL\_LB-3-XDR\_MSG\_XMIT\_FAIL : Failed to transmit XDR message of size [dec] to slot [dec]**

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<b>Explanation</b>	An error occurred while attempting to send a load-balancing XDR message to the specified slot.
<b>Recommended Action</b>	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.

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**ETHERNET\_LACP**

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**%ETHERNET\_LACP-1-ISSU\_NOMEMORY : msgtxt\_nomemory**

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<b>Explanation</b>	The requested operation could not be accomplished because of a low memory condition.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

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**%ETHERNET\_LACP-3-ISSU\_SENDFAILED : LACP ISSU: send message failed, rc = [dec]**

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

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**%ETHERNET\_LACP-4-ISSU\_INCOMPATIBLE : lacp-issu-compat: returned FALSE**

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

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**%ETHERNET\_LACP-4-ISSU\_XFORM : [chars]: failed, rc=[chars]**

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

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**%ETHERNET\_LACP-4-RF\_CLIENT\_INIT : LACP HA: Unable to initiate RF client.**

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

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**%ETHERNET\_LACP-4-RF\_CLIENT\_BUNDLE : LACP HA: Unable initiate checkpoint bundle mode.**

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

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**ETHERNET\_MLACP**

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**%ETHERNET\_MLACP-3-SYS\_CFG\_DUPL\_ID : Remote mLACP peer has duplicate mLACP node-id [dec]**

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

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**%ETHERNET\_MLACP-3-SYS\_CFG\_INVALID\_ID : Received invalid mLACP node-id [dec] from peer**


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

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**%ETHERNET\_MLACP-3-PEER\_ICCP\_VERSION\_INCOMPATIBLE : Peer ICCP version [dec] is incompatible with local ICCP version [dec].**


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<b>Explanation</b>	mLACP peer is running with a different version of ICCP. Incompatible ICCP would prevent mLACP from working properly.
<b>Recommended Action</b>	Reboot peer with identical IOS version would correct the issue. Compatible ICCP version between different IOS images can still be achieved by doing <b>show lacp multichassis group</b> 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.

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**%ETHERNET\_MLACP-4-ICRM\_CLIENT\_RECV\_REJ : Received rejected mLACP TLV from peer with message ID [dec]**


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<b>Explanation</b>	A remote mLACP peer has rejected an mLACP TLV.
<b>Recommended Action</b>	Issue the <b>show version</b> 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.

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**%ETHERNET\_MLACP-4-ICRM\_CLIENT\_RECV\_BAD\_LEN : Received an mLACP TLV with bad length [dec], total message length [dec]**


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<b>Explanation</b>	The mLACP TLV length is longer than the total message length.
<b>Recommended Action</b>	Issue the <b>show version</b> 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, <b>show version</b> , <b>show run</b> , <b>show lacp multi-chassis group</b> , and <b>show lacp multi-chassis port-channel</b> .

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**%ETHERNET\_MLACP-4-ICRM\_CLIENT\_RECV\_NO\_TYPELEN : Received an mLACP TLV without a type and/or length field [(dec)]**

---

<b>Explanation</b>	mLACP received an improperly formatted TLV from the peer. As a result the local and peer devices may have mismatched state data.
<b>Recommended Action</b>	Issue the <b>show version</b> 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.

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---

**%ETHERNET\_MLACP-4-CORE\_ISOLATION : mLACP Core isolation failure: Attempting to failover [(dec)] LAGs in redundancy group [(int)]**

---

<b>Explanation</b>	mLACP has detected isolation from the core and has attempted to failover.
<b>Recommended Action</b>	Use the <b>show interchassis redundancy</b> 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)]**

---

<b>Explanation</b>	mLACP has recovered from core isolation and has attempted to recover the LAGs in the redundancy group.
<b>Recommended Action</b>	This message may not require any action. However the <b>show lacp multi-chassis group</b> and <b>show lacp multi-chassis port-channel</b> 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.

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**%ETHERNET\_MLACP-4-PEER\_DOWN : mLACP Peer down failure: Attempting to make [(dec)] local LAGs active in redundancy group [(int)]**

---

<b>Explanation</b>	mLACP has detected a peer down failure and has attempted to make the local port-channels become active.
<b>Recommended Action</b>	The peer down failure should be corrected by re-enabling communication with the peer mLACP device. Use the <b>show redundancy interchassis</b> 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.

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**%ETHERNET\_MLACP-4-PEER\_UP : mLACP has recovered from a peer down failure in redundancy group [int]**

---

<b>Explanation</b>	mLACP is now in communication with the peer device, and has recovered from a previous peer down failure.
<b>Recommended Action</b>	This message may not require any action. However the <b>show lacp multi-chassis group</b> and <b>show lacp multi-chassis port-channel</b> 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.

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---

**%ETHERNET\_MLACP-4-PEER\_DISCONNECT : An mLACP peer has disconnected from redundancy group [int], attempting to reconnect**

---

<b>Explanation</b>	mLACP has detected that a peer device from the specified redundancy group has disconnected. mLACP will attempt to reconnect to the device until successful.
<b>Recommended Action</b>	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 <b>show redundancy interchassis</b> 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**

---

<b>Explanation</b>	After an mLACP peer device disconnected, an attempt was made to reconnect, however that attempt has failed.
<b>Recommended Action</b>	To reinitialize the connection, unconfigure <b>mlacp interchassis group</b> from the port-channel, and then reconfigure it. After doing that, issue <b>show redundancy interchassis</b> 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 <b>show redundancy interchassis</b> , <b>show lacp multi-chassis group</b> , and <b>show lacp multi-chassis port-channel</b> . 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]**

---

<b>Explanation</b>	This message indicates that the local mLACP device is now connected to a peer device in the specified redundancy group.
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**%ETHERNET\_MLACP-6-PEER\_CONNECT : mLACP peer is now connected in redundancy group [int]**

**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.

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---

**%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.

**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**

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**%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.

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---

**%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

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---

**%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

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---

**%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.

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**%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.

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**%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.

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**%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])**

---

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

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**%ETHERNET\_OAM-5-LINK\_MONITOR : [chars] detected over the last [chars] on interface [chars].**

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<b>Explanation</b>	A monitored error has been detected to have crossed the user-specified threshold.
<b>Recommended Action</b>	No action is required.

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**%ETHERNET\_OAM-5-EVENTTLV : [chars] is received from the remote client on interface [chars].**

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<b>Explanation</b>	An Event TLV is received from the remote OAM client. It must have detected errors in receiving frames from this local interface.
<b>Recommended Action</b>	No action is required.

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**%ETHERNET\_OAM-6-LOOPBACK : Interface [chars] has [chars] the [chars] loopback mode.**

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<b>Explanation</b>	The specified interface has entered or exited loopback mode because of protocol control or an external event, such as the interface link going down.
<b>Recommended Action</b>	No action is required.

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**%ETHERNET\_OAM-3-LOOPBACK\_ERROR : Loopback operation on interface [chars] has encountered an error([chars]).**

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<b>Explanation</b>	Because of the specified error, the loopback operation has ended abnormally.
<b>Recommended Action</b>	No action is required.

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**%ETHERNET\_OAM-6-ENTER\_SESSION : The client on interface [chars] has entered the OAM session.**

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<b>Explanation</b>	Ethernet OAM client on the specified interface has detected a remote client and has entered the OAM session.
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**%ETHERNET\_OAM-6-ENTER\_SESSION : The client on interface [chars] has entered the OAM session.**

**Recommended Action** No action is required.

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**%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.

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---

**%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.

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

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**%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>)

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---

**%ETHERNET\_OAM-2-GET\_BUFFER : ETHERNET OAM ISSU client failed to get buffer for message. Error: [dec] ([chars])**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION( show logging and show checkpoint client)

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**%ETHERNET\_OAM-3-SESSION\_UNREGISTRY : ETHERNET OAM ISSU client failed to unregister session information. Error: [dec] ([chars])**

---

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

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

---

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

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**%ETHERNET\_OAM-2-SEND\_NEGO\_FAILED : ETHERNET OAM ISSU client failed to send negotiation message. Error: [dec] ([chars])**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION( show logging and show checkpoint client)

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**%ETHERNET\_OAM-2-SESSION\_REGISTRY : ETHERNET OAM ISSU client failed to register session information. Error: [dec] ([chars])**

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<b>Explanation</b>	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.
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**%ETHERNET\_OAM-2-SESSION\_REGISTRY : ETHERNET OAM ISSU client failed to register session information. Error: [dec] ([chars])**

**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>)

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**%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>)

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## ETHERNET\_PMLACP

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**%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.

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**%ETHERNET\_PMLACP-3-SYS\_CFG\_INVALID\_ID : Received invalid P-mLACP node-id [dec] from peer**

---

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

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**%ETHERNET\_PMLACP-3-PEER\_ICCP\_VERSION\_INCOMPATIBLE : Peer ICCP version [dec] is incompatible with local ICCP version [dec].**

---

<b>Explanation</b>	P-mLACP peer is running with a different version of ICCP. Incompatible ICCP would prevent P-mLACP from working properly.
<b>Recommended Action</b>	Reboot peer with identical IOS version would correct the issue. Compatible ICCP version between different IOS images can still be achieved by doing <code>show lacp multichassis load-balance group</code> 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.

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**%ETHERNET\_PMLACP-4-ICRM\_CLIENT\_RECV\_REJ : Received rejected P-mLACP TLV from peer with message ID [dec]**

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<b>Explanation</b>	A remote P-mLACP peer has rejected an P-mLACP TLV.
<b>Recommended Action</b>	Issue the <code>show version</code> 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.

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**%ETHERNET\_PMLACP-4-ICRM\_CLIENT\_RECV\_BAD\_LEN : Received an P-mLACP TLV with bad length [dec], total message length [dec]**

---

<b>Explanation</b>	The P-mLACP TLV length is longer than the total message length.
<b>Recommended Action</b>	Issue the <code>show version</code> 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, <code>show version</code> , <code>show run</code> , <code>show lacp multi-chassis load-balance group</code> , and <code>show lacp multi-chassis load-balance port-channel</code> .

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**%ETHERNET\_PMLACP-4-ICRM\_CLIENT\_RECV\_NO\_TYPELEN : Received an P-mLACP TLV without a type and/or length field [dec]**

---

<b>Explanation</b>	P-mLACP received an improperly formatted TLV from the peer. As a result the local and peer devices may have mismatched state data.
<b>Recommended Action</b>	Issue the <b>show version</b> 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.

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**%ETHERNET\_PMLACP-4-CORE\_ISOLATION : P-mLACP Core isolation failure: Attempting to failover [dec] ports in redundancy group [int]**

---

<b>Explanation</b>	P-mLACP has detected isolation from the core and has attempted to failover.
<b>Recommended Action</b>	Use the <b>show interchassis redundancy</b> 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]**

---

<b>Explanation</b>	P-mLACP has recovered from core isolation and has attempted to recover the ports in the redundancy group.
<b>Recommended Action</b>	This message may not require any action. However the <b>show lacp multi-chassis load-balance group</b> and <b>show lacp multi-chassis load-balance port-channel</b> 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.

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**%ETHERNET\_PMLACP-4-PEER\_DOWN : P-mLACP Peer down failure: Attempting to make [dec] local ports active in redundancy group [int]**

---

<b>Explanation</b>	P-mLACP has detected a peer down failure and has attempted to make the local port-channels become active.
<b>Recommended Action</b>	The peer down failure should be corrected by re-enabling communication with the peer P-mLACP device. Use the <b>show redundancy interchassis</b> 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.

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---

**%ETHERNET\_PMLACP-4-PEER\_UP : P-mLACP has recovered from a peer down failure in redundancy group [int]**

---

<b>Explanation</b>	P-mLACP is now in communication with the peer device, and has recovered from a previous peer down failure.
<b>Recommended Action</b>	This message may not require any action. However the <b>show lacp multi-chassis load-balance group</b> and <b>show lacp multi-chassis load-balance port-channel</b> 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**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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 <b>show redundancy interchassis</b> 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.

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---

**%ETHERNET\_PMLACP-4-PEER\_RECONNECT\_FAILED : The attempt to reconnect to the peer in redundancy group [int] has failed**

---

<b>Explanation</b>	After an P-mLACP peer device disconnected, an attempt was made to reconnect, however that attempt has failed.
<b>Recommended Action</b>	To reinitialize the connection, unconfigure <b>mlacp interchassis group</b> from the port-channel, and then reconfigure it. After doing that, issue <b>show redundancy interchassis</b> 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 <b>show redundancy interchassis</b> , <b>show lacp multi-chassis load-balance group</b> , and <b>show lacp multi-chassis load-balance port-channel</b> . Then please contact your Cisco technical support representative and provide the collected information.

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**%ETHERNET\_PMLACP-6-PEER\_CONNECT : P-mLACP peer is now connected in redundancy group [int]**

---

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

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**ETHERNET\_PROXY**

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**%ETHERNET\_PROXY-2-PROXY\_IPC\_INIT\_FAILED : CPP ETHERNET Proxy IPC interface initialization failure (result: [dec]).**

---

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

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**%ETHERNET\_PROXY-3-PROXY\_BAD\_MSG : CPP ETHERNET Proxy received bad length message type [dec]**

---

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

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**%ETHERNET\_PROXY-3-PROXY\_INV\_MSG : CPP ETHERNET Proxy received invalid message type [dec]**

---

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

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**%ETHERNET\_PROXY-3-PROXY\_IPC\_ALLOC\_FAILED : CPP ETHERNET Proxy [chars] message lost due to message buffer allocation failure., MSGDEF\_LIMIT\_MEDIUM**


---

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

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**%ETHERNET\_PROXY-3-PROXY\_IPC\_SEND\_FAILED : CPP ETHERNET Proxy [chars] message lost due to message sent failure (result: [dec]).**


---

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

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**%ETHERNET\_PROXY-3-PROXY\_IPC\_NO\_HDLR : CPP ETHERNET Proxy received unregistered message type [dec]**


---

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

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## ETHER\_LMI through EVUTIL

- [ETHER\\_LMI](#)
- [ETHER\\_LMI\\_HA](#)
- [ETHER\\_PLATFORM\\_SW](#)
- [ETHER\\_SERVICE](#)
- [ETHER\\_SERVICE\\_IPC](#)

- EVENT
- EVENTLIB
- EVENT\_TRACE
- EVTMON\_PROXY
- EVUTIL

## 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

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### **%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.

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**%ETHER\_LMI\_HA-3-TRANSFORM : Ether LMI ISSU client [chars] transform failed for 'Message Type [dec]'. Error: [dec] ([chars])**


---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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**


---

<b>Explanation</b>	The Ether LMI ISSU client received an incompatible message from the peer device. The message cannot be processed.
<b>Recommended Action</b>	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])**


---

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

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**%ETHER\_LMI\_HA-3-INVALID\_SESSION : Ether LMI ISSU client does not have a valid registered session.**


---

<b>Explanation</b>	The Ether LMI ISSU client does not have a valid registered session.
<b>Recommended Action</b>	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])**


---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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)

---



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**%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

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**%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.

---

**%ETHER\_PLATFORM\_SW-3-DOT1AH\_DEL\_MAP\_FAILED : Unable to remove 802.1ah mapping entry for B-MAC [enet], C-MAC [enet].**

**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.

---



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**%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.

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**%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.

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**%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.

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**%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.

---

**%ETHER\_SERVICE-4-UNSUP\_MIRPENABLE : %% Not supported since no ethernet mac-flush notification mirp command is configured.**

**Recommended Action**      Configure ethernet mac-flush notification mirp command.

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**%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.

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**%ETHER\_SERVICE-3-EFP\_NULL\_POINTER : [chars] : [chars] pointer is NULL**

**Explanation**            NULL pointer

**Recommended Action**      Copy the error and send it to TAC

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**%ETHER\_SERVICE-3-EFP\_INVALID\_TYPE : [chars] : [chars] is INVALID**

**Explanation**            invalid type

**Recommended Action**      Copy the error and send it to TAC

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**%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.

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**%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-IPCPOR\_CREATE : Unable to create IPC port ([chars]).**

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

**%ETHER\_SERVICE\_IPC-3-IPCPOR\_REGISTER : Unable to register IPC port ([chars]).**

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

**%ETHER\_SERVICE\_IPC-3-IPCPOR\_REMOVE : Unable to remove IPC port ([chars]).**

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

**%ETHER\_SERVICE\_IPC-3-IPCPRCESSSES : Unable to create IPC processes on ([chars]).**

<b>Explanation</b>	Ethernet Service was unable to create IPC processes
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

**%ETHER\_SERVICE\_IPC-4-NOIPCPOR : IPC port is NULL, ([chars])**

<b>Explanation</b>	Ethernet Service cannot send the message as the IPC port information is NULL. This is a warning message, no action is required.
<b>Recommended Action</b>	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])**

<b>Explanation</b>	Cannot send the message as the message is NULL. This is a warning message, no action is required
<b>Recommended Action</b>	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])**

<b>Explanation</b>	Cannot find data area in an IPC message. This is a warning message, no action is required
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

**%ETHER\_SERVICE\_IPC-3-IPCSESSION : Unable to open an IPC session for communicating with ([chars]). Error: [chars]**

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

**%ETHER\_SERVICE\_IPC-3-NOIPCDESC : Unable to allocate IPC descriptor for Ethernet Service on ([chars]).**

<b>Explanation</b>	This is an internal error
<b>Recommended Action</b>	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]).**

<b>Explanation</b>	This is an internal error
<b>Recommended Action</b>	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])**

<b>Explanation</b>	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.
<b>Recommended Action</b>	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])**

<b>Explanation</b>	An error was detected in the response for an IPC message that was transmitted to the peer.
<b>Recommended Action</b>	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.

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**%ETHER\_SERVICE\_IPC-3-RMI\_FAILED : Ethernet Infra failed to register with the Resource Manager (RMI), [chars]**


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

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**%ETHER\_SERVICE\_IPC-3-RMI\_CALLBACK : Ethernet Infra encountered an error while processing a callback from the Resource Manager (RMI), [chars]**


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

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## EVENT

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**%EVENT-3-INSERT\_FAILURE : Failed to insert [chars]**


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**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.

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**%EVENT-3-NULL\_STRUCT : Null pointer to the [chars] structure**


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

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**%EVENT-3-NULL\_STRUCT : Null pointer to the [chars] structure**

<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.
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**%EVENT-3-NULL\_ELEMENT : Null pointer in the watched queue for [chars] test**

<b>Explanation</b>	The process was woken up with an NULL element
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<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.
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**EVENTLIB**

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

<b>Explanation</b>	This error occurs when a particular event consumes an unfair share of the CPU that may degrade overall system response time.
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<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show platform software process event</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%EVENTLIB-3-RUNHOG : [chars]: [int]ms, Traceback=[chars]**

<b>Explanation</b>	This error occurs when a particular event consumes an overall unfair share of the CPU that may degrade overall system response time.
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<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show platform software process event</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%EVENTLIB-3-TIMEHOG : [chars]: [int]ms, Traceback=[chars]**

<b>Explanation</b>	This error occurs when a particular event takes an unusually long time to complete. This may affect overall system response time.
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**%EVENTLIB-3-TIMEHOG : [chars]: [int]ms, Traceback=[chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show platform software process event</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%EVENTLIB-3-HISTSUMM : dispatch start: [int]ms elapsed time: [int]ms detected hog: [int] set count: [int]**

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

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

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

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

<b>Explanation</b>	This occurs when we fail to read a thread notify event
<b>Recommended Action</b>	Report this occurrence to Engineering. Use Topic to search for a similar DDTS. If you find none, write a DDTS for this problem.

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**EVENT\_TRACE**

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**%EVENT\_TRACE-6-ENABLE : Trace already enabled.**

<b>Explanation</b>	Specified event trace has already been enabled
<b>Recommended Action</b>	This is a debug message only. No action is required.

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**%EVENT\_TRACE-3-SIZE\_ELEM : Size of trace element = [dec] is greater than size = [dec] allowed**

<b>Explanation</b>	The size of the specified individual trace entry is greater than the allowed size.
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**%EVENT\_TRACE-3-SIZE\_ELEM : Size of trace element = [dec] is greater than size = [dec] allowed**

<b>Recommended Action</b>	Reduce the individual trace entry size so as not to exceed the max while initializing the event trace
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**%EVENT\_TRACE-3-NUM\_ELEM : Number of trace element = [dec] is greater than number = [dec] allowed**

<b>Explanation</b>	The number of trace entries exceed the allowed amount
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<b>Recommended Action</b>	Reduce the number of trace entries
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**%EVENT\_TRACE-3-NO\_MEM : Not enough memory for [dec] trace elements.**

<b>Explanation</b>	The system memory is insufficient for the number of trace elements specified.
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<b>Recommended Action</b>	Reduce the size of the event trace
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**%EVENT\_TRACE-3-NO\_FILENAME : Dump file not specified.**

<b>Explanation</b>	No filename has been specified as output for the event trace.
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<b>Recommended Action</b>	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
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**%EVENT\_TRACE-3-SIZE\_FILENAME : Trace filename size = [dec] greater than size = [dec] allowed**

<b>Explanation</b>	The length of the specified Event Trace filename exceeds the allowed.
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<b>Recommended Action</b>	Shorten the filename.
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**%EVENT\_TRACE-3-OPEN\_FILE : Couldn't open [chars]...**

<b>Explanation</b>	The Event Trace subsystem could not open a file for the specified event trace dump.
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<b>Recommended Action</b>	If a file by the same name already exists, rename the dump file or remove the existing file from the file system.
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**%EVENT\_TRACE-3-WRITE\_FILE : Error writing to file [chars]**

<b>Explanation</b>	Event trace is not able to write to the specified filesystem
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**%EVENT\_TRACE-3-WRITE\_FILE : Error writing to file [chars]**

<b>Recommended Action</b>	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
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**%EVENT\_TRACE-3-CLOSE\_FILE : Error closing file [chars]**

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

---



---

**%EVENT\_TRACE-6-NO\_FORMATTER : [chars]: no formatter provided, binary dumping.**

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

---



---

**%EVENT\_TRACE-3-RESIZE : Enable trace before resizing**

<b>Explanation</b>	The specified event trace must be enabled before resizing occurs.
<b>Recommended Action</b>	Enable the specified event trace.

---



---

**%EVENT\_TRACE-3-OPEN : [chars]: Trace failed to open**

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

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**%EVENT\_TRACE-3-CONTINUOUS : Enable trace before setting continuous display**

<b>Explanation</b>	The specified event trace must be enabled before continuous display could occurs.
<b>Recommended Action</b>	Enable the specified event trace.

---

**%EVENT\_TRACE-3-NO\_TRACE\_NAME : Invalid trace name [chars]**

<b>Explanation</b>	There is no trace buffer configured by the name entered.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	Software subsystem is trying to register a group id for event trace which has already been used by another subsystem.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

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

**%EVTMON\_PROXY-4-PROXY\_IPC\_INVALID\_MSG : [hex]**

<b>Explanation</b>	Received an invalid IPC messages subtype.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

<b>Explanation</b>	Event monitor feature user failed to attach or detach.
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**%EVTMON\_PROXY-4-PROXY\_IPC\_EVTMON\_FEAT\_UPDATE\_FAILED : feature user failed to [chars] because of [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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**%EVTMON\_PROXY-4-PROXY\_IPC\_EVTMON\_REC\_UPDATE\_FAILED : event record update failed**


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**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.

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**EVUTIL**


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**%EVUTIL-6-PREREQUISITE : Preferred library is absent**


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**Explanation** Eventlib has detected that a preferred library is missing from the process.

**Recommended Action** This is an informational message.

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**%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 <https://bst.cloudapps.cisco.com/bugsearch/>. If you still require assistance, open a case with the Technical Assistance Center via the Internet at <https://mycase.cloudapps.cisco.com/case>, or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%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.

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

<b>Recommended Action</b>	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 <a href="http://www.cisco.com/tac">http://www.cisco.com/tac</a> . With some messages, these tools and utilities will supply clarifying information. Search for resolved software issues using the Bug Toolkit at <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> . If you still require assistance, open a case with the Technical Assistance Center via the Internet at <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> , or contact your Cisco technical support representative and provide the representative with the gathered information.
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## EXTASSIGNER through FED\_PM

- [EXTASSIGNER](#)
- [FARM\\_DSPRM](#)
- [FEC\\_ISSU](#)
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- [FED\\_FNF\\_ERRMSG](#)
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- [FED\\_L3M\\_ERRMSG](#)
- [FED\\_L3\\_ERRMSG](#)
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**EXTASSIGNER****%EXTASSIGNER-3-NOCB : Failed to find the skinnyCB****Explanation****Recommended Action****%EXTASSIGNER-3-NOACTPHONE : Failed to find the calling phone****Explanation****Recommended Action**

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**%EXTASSIGNER-3-NOMEM : Failed to malloc**

---

**Explanation**

**Recommended  
Action**

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

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**Explanation**

**Recommended  
Action**

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

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**Explanation**

**Recommended  
Action**

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

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**Explanation**

**Recommended  
Action**

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

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**Explanation**

**Recommended  
Action**

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

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**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.

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## FARM\_DSPRM

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**%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.

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**%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.

---



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**%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

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**%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.

---

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

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

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**%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])**


---

<b>Explanation</b>	The FEC ISSU client failed to unregister session information.
<b>Recommended Action</b>	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]**


---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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]**


---

<b>Explanation</b>	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.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show logging and show checkpoint client)

---



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**%FEC\_ISSU-3-CAPABILITY : FEC ISSU client [chars]**


---

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

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**%FEC\_ISSU-3-POLICY : FEC ISSU client message type [dec] is [chars]**


---

<b>Explanation</b>	FEC ISSU client received an message type which it does not support. The policy is applied to make the session compatible.
<b>Recommended Action</b>	LOG_STD_SH_CMD_ACTION(show issu session <client_id>)

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**FED**


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**%FED-2-INIT\_FAILED : Module [chars] failed initialization[chars]**


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<b>Explanation</b>	The specified module failed initialization. The switch will reload.
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**%FED-2-INIT\_FAILED : Module [chars] failed initialization[chars]**

**Recommended Action**      No action is required

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**FED\_FNF\_ERRMSG**

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**%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]**

<b>Explanation</b>	Error occurs when detaching the flow monitor from the interface.
<b>Recommended Action</b>	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**

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

**FED\_L2M\_ERRMSG****%FED\_L2M\_ERRMSG-3-RSRC\_ERR : Failed to allocate hardware resource for [chars]**

<b>Explanation</b>	Hardware resource allocation has failed and the entry will not be programmed.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	Hardware resource allocation has failed and the entry will not be programmed.
<b>Recommended Action</b>	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**

<b>Explanation</b>	An error occurred in platform ecr code.
<b>Recommended Action</b>	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**

<b>Explanation</b>	An error occurred in platform fib code.
<b>Recommended Action</b>	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**

<b>Explanation</b>	An error occurred in platform pbr code.
<b>Recommended Action</b>	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**

<b>Explanation</b>	An error occurred in platform wccp code.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	Hardware resource allocation has failed and the entry will not be programmed.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	The specified MPLS local label is recursive and is not yet supported.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	The specified cli is not yet supported.
<b>Recommended Action</b>	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**

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

**%FED\_L3\_ERRMSG-3-mpls\_ecmp\_modify\_err : MPLS Load Balance modify is not supported [int]**

<b>Explanation</b>	Modification of an ECMP object with MPLS Adjacencies is not supported yet. It is not an expected event
<b>Recommended Action</b>	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**

<b>Explanation</b>	The specified MPLS local label is recursive and is not yet supported.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	The specified MPLS local label is recursive and is not yet supported.
<b>Recommended Action</b>	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**

<b>Explanation</b>	Running out of Hardware resource to support the scale of this MPLS feature.
<b>Recommended Action</b>	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-intf\_err : [chars] interface [chars]**

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

**FED\_PM****%FED\_PM-3-HW\_ERROR : Port Manager error -[chars] hardware update failed.**

<b>Explanation</b>	An error occurred in Port Manager code.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	An error occurred in Port Manager code.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	Than handling onf a transceiver event took too long for the given interface.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	An FRU update event took too long to process on this switch. The FRUs on this switch may not be recoginized or function properly after this.
<b>Recommended Action</b>	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.**

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

# FED\_PTP\_ERRMSG through FILESYS\_RFS

- [FED\\_PTP\\_ERRMSG](#)
- [FED\\_PUNJECT](#)
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## FED\_PTP\_ERRMSG

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### **%FED\_PTP\_ERRMSG-6-UNSUPPORTED : [chars] is unsupported**

---

<b>Explanation</b>	The requested configuration is not supported.
<b>Recommended Action</b>	Please do not use the current configuration.

---



---

### **%FED\_PTP\_ERRMSG-6-NOTALLOWED : [chars] is not allowed.**

---

<b>Explanation</b>	The requested configuration is not allowed.
<b>Recommended Action</b>	Please try to modify your configuration.

---



---

### **%FED\_PTP\_ERRMSG-3-ATTACHERROR : Failed to run PTP [chars].**

---

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

---



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### **%FED\_PTP\_ERRMSG-3-DETACHERROR : Failed to run PTP [chars]**

---

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

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**FED\_PUNJECT**


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**%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**


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**%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.

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**%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.

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**%FED\_QOS\_ERRMSG-3-TABLEMAP\_EGRESS\_HW\_ERROR : Failed to [chars] for [chars]: code [dec].**

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**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.

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**%FED\_QOS\_ERRMSG-4-TABLEMAP\_OVERFLOW : Failed to attach [chars]. No more table-maps are available.**

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**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.

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**%FED\_QOS\_ERRMSG-3-LABEL\_2\_QUEUE\_MAPPING\_HW\_ERROR : Failed to [chars] for [chars]: code [dec].**

<b>Explanation</b>	An error occurred in programming label to queue map.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	The system supports up to 8 queue-maps. This limit has been reached.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	An error occurred when programming the queue buffer.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	An error occurred when programming the queue scheduler.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	An error occurred in programming the Approximate Fair Dropping virtual queue.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	The TCAM resources are exhausted.
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**%FED\_QOS\_ERRMSG-4-TCAM\_OVERFLOW : Failed to program TCAM for policy-map [chars] on [chars].**

**Recommended Action**      Unconfigure features to make TCAM resources available.

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**%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.

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**%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.

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**%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.

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**%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.

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**%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.

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**%FED\_QOS\_ERRMSG-3-POLICER\_HW\_ERROR : Failed to [chars] for [chars]: code [dec].**

<b>Explanation</b>	An error occurred in programming the policer.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	The ASIC supports up to 64 policer map tables. This limit has been reached.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	An error occurred in programming the policer map.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	Unsupported policy.
<b>Recommended Action</b>	Range operators are not supported in client output policy

**%FED\_QOS\_ERRMSG-4-OUTPUT\_ACS\_CLIENT\_POLICY\_ERROR : Unsupported output client policy([chars]).**

<b>Explanation</b>	Unsupported policy.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	The port could not be configured in hardware
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**%FED\_QOS\_ERRMSG-4-CONFIGURE\_PORT\_TYPE\_HW\_ERROR : Failed to configure port [chars] as [chars] port in hardware. rc:[dec].**

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

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### FED\_SRVO\_ERRMSG

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**%FED\_SRVO\_ERRMSG-6-UNSUPPORTED : [chars] is unsupported**

**Explanation** The requested configuration is not supported.

**Recommended Action** Please do not use the current configuration.

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**%FED\_SRVO\_ERRMSG-6-NOTALLOWED : [chars] is not allowed.**

**Explanation** The requested configuration is not allowed.

**Recommended Action** Please try to modify your configuration.

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**%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

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**%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

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### FED\_STP\_ERRMSG

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**%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**

<b>Explanation</b>	The requested configuration is not supported.
<b>Recommended Action</b>	Please do not use the current configuration.

**%FED\_VLAN\_TRANSLATE\_ERRMSG-6-NOTALLOWED : [chars] is not allowed.**

<b>Explanation</b>	The requested configuration is not allowed.
<b>Recommended Action</b>	Please try to modify your configuration.

**%FED\_VLAN\_TRANSLATE\_ERRMSG-3-ATTACHERROR : Failed to run VLAN\_TRANSLATE [chars].**

<b>Explanation</b>	An error occurs when running VLAN_TRANSLATE.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	Error occurs when running VLAN_TRANSLATE.
<b>Recommended Action</b>	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**

<b>Explanation</b>	Accumulation of Cavium hardware-generated error
<b>Recommended Action</b>	LOG_STD_ACTION

**%FFP\_HW\_IRQ-3-TOO\_MANY\_NON\_FATAL\_INTERRUPTS :**

<b>Explanation</b>	Aborting due to too many Cavium hardware-generated errors
<b>Recommended Action</b>	LOG_STD_ACTION

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

<b>Explanation</b>	Initialization of the CEF IDB queue could not be accomplished because of a low memory condition.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

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

<b>Explanation</b>	Initialization of the CEF linecard queue could not be accomplished because of a low memory condition.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

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

<b>Explanation</b>	Initialization of the CEF xdr chunks could not be accomplished because of a low memory condition.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

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

<b>Explanation</b>	Initialization of a CEF feature session queue could not be accomplished because of a low memory condition.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

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

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**%FIB-3-FIBXDRLLEN : Invalid XDR length. Type [dec][chars]. XDR/buffer len [dec]/[dec]**

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
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**%FIB-3-FIBXRLEN : Invalid XDR length. Type [dec][chars]. XDR/buffer len [dec]/[dec]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FIB-3-FIBBADXDRSLOT : Invalid XDR slot. Type/len/slot [dec]/[dec]/[chars]. XDR at [hex]**

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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

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<b>Explanation</b>	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.
<b>Recommended Action</b>	Enter the <code>clear cef linecard [slot no]</code> command, then check the status of the line card by entering the <code>show cef linecard</code> 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

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

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

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

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

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

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

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

---

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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


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

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**%FIB-2-FIB\_OVERLENGTH\_XDR : Overlength CEF XDR message - len [dec] > [dec] from [chars]**


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

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


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<b>Explanation</b>	Initialization of the specified CEF subblock data structure could not be accomplished.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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


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

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


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

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**%FIB-3-MAC\_ACCT : [chars]: [chars]**

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<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FIB-3-PREC\_ACCT : [chars]: [chars]**

---

<b>Explanation</b>	IPV4FIB_INTERNAL_ERROR
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**FILESYS**

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

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

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

---

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

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

---

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

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

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

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

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

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

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

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

<b>Explanation</b>	RFS operation failed due to an IPC error.
<b>Recommended Action</b>	

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

<b>Explanation</b>	A file system's status has changed. Follow any instructions provided with the message.
<b>Recommended Action</b>	

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**%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

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**FILESYS\_RFS**

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**%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**

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**%FILESYS\_RFS-4-RFS\_REQUEST\_TIMEOUT : Timeout has occurred while executing the RFS request on file [chars] [[dec]].**

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**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.

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## FILTER through FMANRP\_DPSS

- [FILTER](#)
- [FILTER\\_BINARY\\_NOTIFICATION](#)
- [FLASH\\_CHECK](#)
- [FLEXDSPRM](#)
- [FLEX\\_DNLD](#)
- [FLOWSPEC](#)
- [FMANFP](#)
- [FMANRP](#)

- [FMANRP\\_ACL](#)
- [FMANRP\\_DPSS](#)

## FILTER

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### %FILTER-3-EWLC\_APFILTER\_REGEX\_CREATE\_ERR : Error in [chars]Error in [chars]

---

<b>Explanation</b>	General Wireless LAN Controller Error Message.APFilter regular expression error
<b>Recommended Action</b>	Recreate regular expression correctly

---

## FILTER\_BINARY\_NOTIFICATION

---

### %FILTER\_BINARY\_NOTIFICATION-5-MERGE\_COMPLETED : Merged logs generation completed.

---

<b>Explanation</b>	Notification to user that merged logs are generated
<b>Recommended Action</b>	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.

---

<b>Explanation</b>	The remaining free space on the flash disk is below the recommended threshold of at least half the installed RP memory. This limits the system from core files necessary to root cause critical system faults.
<b>Recommended Action</b>	Please remove unneeded files from bootflash: device. Any core files under the bootflash:/core directory should be reported and then deleted.

---

## FLEXDSPRM

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### %FLEXDSPRM-5-CB\_UPDOWN : Channel Bank [chars] state is [chars]

---

<b>Explanation</b>	Channel Bank status has been changed
<b>Recommended Action</b>	See if the voice ports in the channel bank are UP

---



---

### %FLEXDSPRM-5-OUT\_OF\_RESOURCES : [chars]

---

<b>Explanation</b>	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.
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**%FLEXDSPRM-5-OUT\_OF\_RESOURCES : [chars]**

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

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**%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.

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**%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.

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**%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.

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

---

**FLEX\_DNLD**

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**%FLEX\_DNLD-1-NOPCIMEMORY : VPM ([dec]/[dec]), PCI memory unavailable.**

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

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**%FLEX\_DNLD-1-NOPCIMEMORY : VPM ([dec]/[dec]), PCI memory unavailable.**

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

---

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**%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 recurs, 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].**

---

<b>Explanation</b>	The dspfw dnld driver cannot queue messages upto the egress queue for FPGA to transmit.
<b>Recommended Action</b>	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**

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

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	Reduce system scale.

---



---

**%FLWSPEC-3-CLIENT\_ENABLE : Failed to initialize '[chars]' when enabling FlowSpec feature, [hex]:[chars].**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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].**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	Reduce system scale.

---



---

**%FLWSPEC-3-MGR\_CLASS\_CREATE : Failed to create inline-class for flow [chars] with actions [chars] in table [chars], overall:[hex]:[chars], [hex]:[chars].**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	The event processing infra has returned a fatal error.
<b>Recommended Action</b>	Allow FlowSpec Manager to restart. If the problem persists, contact Cisco support.

**%FLOWSPEC-3-MGR\_GEN\_ERR : FlowSpec internal error: [chars], [hex]:[chars].**

<b>Explanation</b>	An internal software error occurred.
<b>Recommended Action</b>	*SUPPORT*

**%FLOWSPEC-3-MGR\_INIT : FlowSpec Manager failed to initialize '[chars]', [hex]:[chars].**

<b>Explanation</b>	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.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	An internal lock has failed.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	FlowSpec failed to attach the policy-map for this table (VRF+AFI). This will prevent flows from functioning on this table.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	FlowSpec failed to create the policy-map for this table (VRF+AFI). This will prevent flows from functioning on this table.
<b>Recommended Action</b>	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].**

<b>Explanation</b>	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.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	A packet matching the log criteria for the given access list was detected.
<b>Recommended Action</b>	No action is required.

---

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

<b>Explanation</b>	A packet matching the log criteria for the given access list was detected.
<b>Recommended Action</b>	No action is required.

---

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

<b>Explanation</b>	A packet matching the log criteria for the given access list was detected.
<b>Recommended Action</b>	No action is required.

---

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

<b>Explanation</b>	A packet matching the log criteria for the given access list was detected.
<b>Recommended Action</b>	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**

---

<b>Explanation</b>	The throughput value is invalid. The forwarding engine will not operate at the throughput value.
<b>Recommended Action</b>	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**

---

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

---

<b>Explanation</b>	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
<b>Recommended Action</b>	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]'**

---

<b>Explanation</b>	A packet matching the log criteria for the given access list was detected.
<b>Recommended Action</b>	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]'**

---

<b>Explanation</b>	A packet matching the log criteria for the given access list was detected.
<b>Recommended Action</b>	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

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**%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**

---

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

---

**FMANRP\_ACL**

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**%FMANRP\_ACL-4-NOSWIDB : Sub-interface is null**

---

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

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**%FMANRP\_ACL-4-NOSB : Subblock on interface [chars] ([hex]) is null**

---

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

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**%FMANRP\_ACL-4-NOACL : ACL is null**

---

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

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**%FMANRP\_ACL-4-NOV4ACE : v4 ACE is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of an v4 ACE structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip access-list</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_ACL-4-NOV6ACE : v6 ACE is null**

---

<b>Explanation</b>	An unexpected condition has occurred which is due to the absence of an v6 ACE structure.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ipv6 access-list</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_ACL-4-NOMACACE : mac ACE is null**

---

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

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**%FMANRP\_ACL-4-INVALIDV4ACETYPE : v4 ACE type is invalid**

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<b>Explanation</b>	An unexpected condition has occurred which is due to the type of v4 ACE created
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**%FMANRP\_ACL-4-INVALIDV4ACETYPE : v4 ACE type is invalid**

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

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**%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. Issue the **show ipv6 access-list** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_ACL-4-UPDV4STATSERR : Update v4 ACL statistics error**

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

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**%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. Issue the **show ipv6 access-list** command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center via the Internet (<https://mycase.cloudapps.cisco.com/case>), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_ACL-4-UPDMACSTATSERR : Update mac ACL statistics error**

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

**%FMANRP\_ACL-4-TMPLACLINITERR : Template ACL initialization error**

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

**%FMANRP\_ACL-4-TMPLACLNOMEMERR : Template ACL no memory error**

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

**%FMANRP\_ACL-4-TMPLACLDISABLEERR : Not enough resources to disable template ACL**

<b>Explanation</b>	Not enough resurces to store individual ACLs
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>show ip access-list template summary</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ) , or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_ACL-3-EXPOGACLLIMITERR : Expanded OGACL ([chars]) size ([dec]) exceeded MAX ACL limit ([dec])**


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<b>Explanation</b>	Expanded OGACL size exceeded the maximum ACL limit. Command rejected
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <b>Reduce # of ACEs in the ACL</b> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**FMANRP\_DPSS**


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**%FMANRP\_DPSS-3-DPSSFOIPCALLOC : Failed to alloc IPC buffer for dpss feature object [hex] config message**


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

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**%FMANRP\_DPSS-3-DPSSFOTDLMSGMARSHAL : Failed to copy dpss feature object config message to IPC buffer for fo\_hdl [hex]**


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

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**%FMANRP\_DPSS-3-DPSSFOIOSDENQUEUE : Failed to enqueue dpss feature object [hex] config message for transmission**


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

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**%FMANRP\_DPSS-3-DPSSFOTDLCREATE : Failed to create tdl msg for dpss feature object [hex] config message**

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

**%FMANRP\_DPSS-3-DPSSFOTDLSET : Failed to set tdl msg detail for dpss feature object [hex] config message**

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

**%FMANRP\_DPSS-3-DPSSGLOBALDLCREATE : Failed to create tdl msg for dpss global config message**

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

**%FMANRP\_DPSS-3-DPSSGLOBALDLSET : Failed to set tdl msg detail for dpss global config message**

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

**%FMANRP\_DPSS-3-DPSSGLOBALIPCALLOC : Failed to alloc IPC buffer for dpss global config message**

<b>Explanation</b>	This operation to allocate IPC buffer for dpss global configuration has failed.
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**%FMANRP\_DPSS-3-DPSSGLOBALIPCALLOC : Failed to alloc IPC buffer for dpss global config message**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_DPSS-3-DPSSGLOBALTDLMSGMARSHAL : Failed to copy dpss global config message to IPC buffer**

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

**%FMANRP\_DPSS-3-DPSSGLOBALIOSDENQUEUEUE : Failed to enqueue dpss global config message for transmission**

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

## FMANRP\_EVPN through FMANRP\_SC

- [FMANRP\\_EVPN](#)
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- [FMANRP\\_QOS](#)

- [FMANRP\\_SC](#)

## FMANRP\_EVPN

### %FMANRP\_EVPN-3-UNSPOP : Unsupport operation

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

## 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.

<b>Explanation</b>	A failure has ocured during security policy downloading in crypto hardware. The command is rejected.
<b>Recommended Action</b>	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.

<b>Explanation</b>	An unexpected internal software error. Engineering must be reported and investigate this occurrence.
<b>Recommended Action</b>	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])

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

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**%FMANRP\_MFR-3-BNDLFAIL : Unable to [chars] bundle [chars]**

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

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**%FMANRP\_MFR-3-BLFAIL : Unable to [chars] link [chars] [chars]**

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

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**%FMANRP\_MFR-3-BLCFGFAIL : Unable to [chars] link [chars] [chars]**

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

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**FMANRP\_MPLS**

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**%FMANRP\_MPLS-3-NOOBJ : Object entry is null**

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

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**%FMANRP\_MPLS-3-ENQUEFAIL : Unable to send [chars] [chars] message to Forwarding Manager Process**

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

**%FMANRP\_MPLS-3-UNSPTYPE : Not supported bundle type [dec]**

<b>Explanation</b>	An unexpected condition has occurred which is due to an operation request to an unsupported bundle oce type is received.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

**FMANRP\_NAT****%FMANRP\_NAT-4-NOSWIDB : Sub-interface is null**

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

**%FMANRP\_NAT-3-IFTDLMSGMARSHAL : Failed to copy interface config essage to IPC buffer for Interface [chars] ([hex]), domain [chars], operation [chars]**

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

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**%FMANRP\_NAT-4-NONATSERVICE : Service structure is null**

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

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**%FMANRP\_NAT-3-SERTDLMSGMARSHAL : Failed to copy service config message to IPC buffer for application type [dec], protocol type [dec], port [dec]**

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

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**%FMANRP\_NAT-3-SERVICERM : Failed to delete NAT services for appl type [chars], protocol [chars], port [dec]**

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<b>Explanation</b>	An unexpected condition has occurred which is due to the failure to remove data structures for NAT special services.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_NAT-4-NOPOOL : Pool structure is null**

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

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**%FMANRP\_NAT-4-NOMAPPING : A mapping structure is null**

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

**%FMANRP\_NAT-4-BADACTION : Invalid action [dec] for NAT configuration**

<b>Explanation</b>	An unexpected condition has occurred which is invalid action for a NAT configuration.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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])**

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

**%FMANRP\_NAT-3-MAPPINGTDLMSGMARSHAL : Failed to copy mapping config message to IPC buffer for mapping id [dec] (vrf table id [dec])**

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

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**%FMANRP\_NAT-3-IFADDRDLMSGMARSHAL : Failed to copy interface address change message to IPC buffer for interface [chars], new address [IP\_address]**


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

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**%FMANRP\_NAT-3-VRFDELTLMSGMARSHAL : Failed to copy VRF delete message to IPC buffer for vrf table id [dec]**


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

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**%FMANRP\_NAT-3-TIMEOUTDLMSGMARSHAL : Failed to copy timeout config message to IPC buffer for timeout type [dec]**


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

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**%FMANRP\_NAT-4-NORANGE : Pool address range structure is null**


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

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**%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]**

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

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**%FMANRP\_NAT-3-PORTLISTDLMSGMARSHAL : Failed to copy portlist config message to IPC buffer for addr [IP\_address], proto [dec], start\_port [dec], end\_port [dec]**

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

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**%FMANRP\_NAT-4-NOACL : Access list is null**

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

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**%FMANRP\_NAT-3-MAXENTRYDLMSGMARSHAL : Failed to copy max entry config message to IPC buffer for type [chars], entry data [hex], max\_limit [dec]**

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

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**%FMANRP\_NAT-3-STATSUPDTDL : Failed to update NAT [chars] statistics**

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

**%FMANRP\_NAT-3-IPALIASTDL : Error with ipalias message received from data path**

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

**%FMANRP\_NAT-3-IPALIATYPE : Received ipalias message from data path with unsupported address type [dec]**

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

**%FMANRP\_NAT-3-IPSTATICROUTETDL : Error with static ip route message received from data path**

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

**%FMANRP\_NAT-3-IPSTATICROUTETYPE : Received ip static route message from data path with unsupported address type**

<b>Explanation</b>	An unexpected condition has occurred with received static ip route message from data path with unsupported address type
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**%FMANRP\_NAT-3-IPSTATICROUTETYPE : Received ip static route message from data path with unsupported address type**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_NAT-3-PORTLISTTDL : Error with portlist allocation request message received from data path**

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

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**%FMANRP\_NAT-3-PORTLISTTYPE : Address type [dec] for global address in the portlist allocation request is not supported**

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

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**%FMANRP\_NAT-3-PORTLISTPROTO : Protocol type [dec] for global addr [IP\_address] in the portlist allocation request is not supported**

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

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**%FMANRP\_NAT-3-DEBUGTDLMSGMARSHAL : Failed to copy debug NAT request message to IPC buffer**

<b>Explanation</b>	This operation to build a TDL message for debug NAT command has failed.
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**%FMANRP\_NAT-3-DEBUGDLMMSGMARSHAL : Failed to copy debug NAT request message to IPC buffer**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_NAT-3-IOSDENQUEUE : Failed to enqueue NAT [chars] message for transmission**

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

**%FMANRP\_NAT-3-AVLTREEWALK : Failed to walk NAT [chars] database for [chars]**

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

**%FMANRP\_NAT-3-AVLDELETE : Failed to delete node from NAT [chars] database for [IP\_address]**

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

**%FMANRP\_NAT-3-WLANSESSTD : Error with WLAN session message received from data path**

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

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**%FMANRP\_NAT-3-WLANSESSTYPE : Received WLAN session message from data path with unsupported address type [dec]**


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

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**%FMANRP\_NAT-3-WLANSESSIDB : Received WLAN session message from data path with nil input interface for inside local host [IP\_address]**


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

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**%FMANRP\_NAT-4-NOLOGGINGPARAM : Highspeed logging structure is nil**


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

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**%FMANRP\_NAT-4-LOGGING\_PARAM : Highspeed logging export [chars] [int]nsupported**


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

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**%FMANRP\_NAT-4-NOREPLICATEPARAM : Session replication structure is nil**

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

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**%FMANRP\_NAT-3-MIBEVENT : Failed to get NAT MIB response message: [chars]**

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**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.

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**%FMANRP\_NAT-3-INVALID\_ADDRESS : Received an invalid address [IP\_address]**

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**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.

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**%FMANRP\_NAT-3-MSGALLOCERR : Failed to allocate message**

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**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.

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**%FMANRP\_NAT-3-NATSETTDLMSGFAIL : When download [chars], failed to set a field in message**

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

**FMANRP\_NETFLOW****%FMANRP\_NETFLOW-3-CACHETDLMSGMARSHAL : Failed to copy cache config message to IPC buffer for cache type [dec]**

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

**%FMANRP\_NETFLOW-3-AGGRCACHENULL : The pointer for aggregation cache type [dec] is NULL**

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

**%FMANRP\_NETFLOW-3-UNKNOWNCACHETYPE : Unknown cache type [dec] received**

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

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**%FMANRP\_NETFLOW-3-UNKNOWNCACHECMD : Unknown aggregation cache command [dec] received**

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**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.

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**%FMANRP\_NETFLOW-4-NOSWIDB : Sub-interface is null**

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

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**%FMANRP\_NETFLOW-4-NOFIBIDB : fibdb for interface [chars] is null**

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**Explanation** An unexpected condition has occurred which is due to the absence of a fibidb structure.

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

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**%FMANRP\_NETFLOW-3-IFFLOWTDLMSGMARSHAL : Failed to copy interface flow config message to IPC buffer for [chars]**

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**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.

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**%FMANRP\_NETFLOW-3-NOSAMPLERNAME : Sampler-map name is null**

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

**%FMANRP\_NETFLOW-3-NOSAMPLER : Sampler for sampler-map name [chars] is null**

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

**%FMANRP\_NETFLOW-3-SAMPLERTDLMSGMARSHAL : Failed to copy sampler-map config message to IPC buffer for [chars]**

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

**%FMANRP\_NETFLOW-3-EXPORTERTDLMSGMARSHAL : Failed to copy exporter config message to IPC buffer for cache type [dec]**

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

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**%FMANRP\_NETFLOW-4-EXPORTERVERSION : Failed to change default exporter version to [dec]**

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

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**%FMANRP\_NETFLOW-3-CLRSTATSTDLMSGMARSHAL : Failed to copy clear statistics message to IPC buffer**

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

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**%FMANRP\_NETFLOW-3-STATSUPDTDL : Failed to update netflow [chars] statistics**

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

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**%FMANRP\_NETFLOW-3-INVALIDFLOWDEF CPP : CPP Flow definition can not be created [int]**

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

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**%FMANRP\_NETFLOW-3-EXPORTERSRCIFINVALID : Management interface ([chars]) cannot be used as source for an exporter**


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<b>Explanation</b>	Exporter configuration failed because the management interface cannot be configured as source interface
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_NETFLOW-3-EXPORTERVRFINVALID : Management vrf ([chars]) cannot be used as exporter destination**


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<b>Explanation</b>	Exporter configuration failed because management vrf cannot be used as exporter destination
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**FMANRP\_PBR**


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**%FMANRP\_PBR-3-RTMAPNULL : The route-map structure for [chars] is NULL**


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<b>Explanation</b>	An unexpected condition has occurred due to the absence of an internal route-map data structure.
<b>Recommended Action</b>	show route-map

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**%FMANRP\_PBR-3-RTMAP\_NAME\_NULL : The route-map name for [chars] is NULL**


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<b>Explanation</b>	An unexpected condition has occurred due to the absence of an internal route-map data structure.
<b>Recommended Action</b>	show route-map

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**%FMANRP\_PBR-3-INVALIDIF : The interface specified for '[chars]' is not valid**


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<b>Explanation</b>	An non-existent interface is specified for the policy based routing route-map operation specified in the message.
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**%FMANRP\_PBR-3-INVALIDIF : The interface specified for '[chars]' is not valid**

**Recommended Action**      show interface

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**%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.

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**FMANRP\_PFR**

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

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

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**%FMANRP\_PFR-4-UNSUPPORTED : Unsupported action, [chars]**

**Explanation**            An unexpected condition has occurred which is due to and unsupported action being executed.

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**%FMANRP\_PFR-4-UNSUPPORTED : Unsupported action, [chars]**

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

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**%FMANRP\_QOS-3-ACTNOCLASSMAP : Class-map information not found**

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

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**%FMANRP\_QOS-3-ACTNOPOLICYMAP : Policy-map information not found**

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

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**%FMANRP\_QOS-3-QOSTDLMARSHAL : Failed to copy more than [dec] bytes of message [chars], length [dec] into IPC buffer**

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

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**%FMANRP\_QOS-3-QOSAPIPARAM : Internal QOS API error.**

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

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**%FMANRP\_QOS-3-QOSIDBSP : Service policy [[chars]] installation error: invalid interface type [dec]**

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<b>Explanation</b>	An invalid interface type was encountered when trying to configure a service policy. This service policy could not be installed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show policy-map</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_QOS-3-QOSGIDBSP : Service policy [[chars]] installation error: invalid interface type [dec]**

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<b>Explanation</b>	An invalid interface type was encountered when trying to configure a service policy. This service policy could not be installed.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Issue the <code>show policy-map</code> command to gather data that may help identify the nature of the error. Also perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FMANRP\_QOS-4-QOSSTACK : Failed to install all classes for policymap [chars], excessive stack usage**

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<b>Explanation</b>	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.
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**%FMANRP\_QOS-4-QOSSTACK : Failed to install all classes for policymap [chars], excessive stack usage**

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

**%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.

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

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

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

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**%FMANRP\_QOS-3-NOACCOUNTSTATS : account stats entry not found for class [int].[int], target [int]**

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

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**%FMANRP\_QOS-3-NOSETSTATS : set stats entry not found for class [int].[int], target [int]**

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

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**%FMANRP\_QOS-4-QIDGENFAIL : qid generation failed, reverting to default**

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**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.

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**%FMANRP\_QOS-4-QOSUBR : qos can not be attached to the target with UBR configured**

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**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.

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**%FMANRP\_QOS-4-NOFAIRQONVC : fair-queue can not be configured on the parent queue of an ATM VC, use child queue instead**

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**Explanation** Configuring fair-queue on the parent queue of an ATM VC is not supported

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**%FMANRP\_QOS-4-NOFAIRQONVC : fair-queue can not be configured on the parent queue of an ATM VC, use child queue instead**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_QOS-4-CLMODIFYFAIL : classmap [chars] is currently used by policymap, please remove policymap from all targets before the modification**

<b>Explanation</b>	An internal error occurred when classmap being modified
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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**

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

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**%FMANRP\_QOS-4-MPOLDMVPNGRE : Only Shape and/or BRR is allowed on the QoS policy on GRE tunnel on MPoL hierarchy**

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

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**%FMANRP\_QOS-3-QOSTMPLCREATEFAIL : QoS template interface creation failed for policy [chars]: [chars]**

<b>Explanation</b>	An error occurred during template interface creation
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**%FMANRP\_QOS-3-QOSTMPLCREATEFAIL : QoS template interface creation failed for policy [chars]: [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_QOS-3-QOSTMPLDELETEFAIL : QoS template interface deletion failed for policy [chars]: [chars]**

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

**%FMANRP\_QOS-3-QOSTMPLNONEXIST : QoS template does not exist in [chars] for policymap [chars]**

<b>Explanation</b>	QoS template information does not exist
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

<b>Explanation</b>	Database operation failed for record of the policymap
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

<b>Explanation</b>	Priority level 3 support is only for AVB policy. Hence configuration is rejected.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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.**

<b>Explanation</b>	Error occurred while performing exceed action check on the policy attached
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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.**

<b>Explanation</b>	Error occurred while performing conform action check on the policer.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

<b>Explanation</b>	Error occurred while performing qos policy check.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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**

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

**%FMANRP\_QOS-3-HWIDBCHECK : Configuring service-policy on interface [chars] is not allowed**

<b>Explanation</b>	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**

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

<b>Explanation</b>	Error occurred while attaching a hierarchical policy
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

<b>Explanation</b>	Error occurred while attaching a hierarchical policy
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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 'copp system-default' CLI.**

<b>Explanation</b>	User modified police rate for COPP system classes.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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 'copp system-default' CLI.**

<b>Explanation</b>	User modified police rate for COPP system classes.
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**%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.**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center 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\_SC

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**%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.

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**%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.

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**%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.

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**%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.

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**%FMANRP\_SC-3-INTFTDLMSGMARSHAL : Failed to copy interface config message to IPC buffer for Interface [chars] ([hex]), operation [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_SC-4-SCNOSWIDB : Sub-interface is null**

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

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**%FMANRP\_SC-4-NOSERVICECTX : A mapping structure is null**

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

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**%FMANRP\_SC-4-SCBADACTION : Invalid action [dec] for SC configuration**

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

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# FMANRP\_SSLVPN through FNF

- [FMANRP\\_SSLVPN](#)
- [FMD](#)
- [FME](#)
- [FME\\_DP](#)
- [FMFP](#)
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- [FMFP\\_QOS](#)
- [FMFP\\_URPF](#)
- [FNF](#)

## FMANRP\_SSLVPN

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**%FMANRP\_SSLVPN-3-STATSCLEARERR : Unable to send clear WEB VPN context stats message. [chars] ([dec])**

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

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**%FMANRP\_SSLVPN-3-STATSGUPDERR : Update WEB VPN context stats error. [chars] ([dec])**

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

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**%FMANRP\_SSLVPN-3-STATSWVUPDERR : [chars]: [chars]**

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<b>Explanation</b>	An unexpected condition has occurred when updating ssl web vpn context statistics
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**%FMANRP\_SSLVPN-3-STATSWVUPDERR : [chars]: [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_SSLVPN-3-CFGSTATUSERR : [chars]: [chars]**

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

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**%FMANRP\_SSLVPN-3-GWERR : Failed [chars]: [chars]**

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

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**%FMANRP\_SSLVPN-3-VWCONFERR : Failed [chars]: [chars]**

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

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**%FMANRP\_SSLVPN-3-PKIERR : Failed [chars]: [chars]**

<b>Explanation</b>	An unexpected condition has occurred in configuration processing causing configuration failure.
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**%FMANRP\_SSLVPN-3-PKIERR : Failed [chars]: [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_SSLVPN-3-AAATDLERR : [chars][chars]. [chars]**

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

**%FMANRP\_SSLVPN-4-AAAFRIPWARN : [chars]Invalid framed ip address [IP\_address] received from AAA. Not sending user config**

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

**%FMANRP\_SSLVPN-3-RRITDLERR : [chars][chars]. [chars]**

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

**%FMANRP\_SSLVPN-3-RRICHUNKERR : [chars]**

<b>Explanation</b>	Error has occurred when requested memory for SSLVPN route handling
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**%FMANRP\_SSLVPN-3-RRICHUNKERR : [chars]**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FMANRP\_SSLVPN-3-CONDEBERR : [chars]. [chars]**

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

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**FMD**

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**%FMD-3-IPC\_OPEN\_REPLY : IPC Open Reply failed, request [int]**

<b>Explanation</b>	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.
<b>Recommended Action</b>	This is normally a software issue. LOG_STD_RECUR_ACTION

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**%FMD-3-IPC\_NORES : No space for the IPC reply, size [int]**

<b>Explanation</b>	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.
<b>Recommended Action</b>	This is normally a software issue. LOG_STD_RECUR_ACTION

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**%FMD-2-IPC\_INIT : IPC message handler registration failure, rc [int]**

<b>Explanation</b>	Registering an IPC message handler for the FMD feature failed. This will cause the feature to not function.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	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.
<b>Recommended Action</b>	This is normally a software issue. LOG_STD_RECUR_ACTION

**%FME-3-IPC\_NORES : No space for the IPC reply, size [int]**

<b>Explanation</b>	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.
<b>Recommended Action</b>	This is normally a software issue. LOG_STD_RECUR_ACTION

**%FME-2-IPC\_INIT : IPC message handler registration failure, rc [int]**

<b>Explanation</b>	Registering an IPC message handler for the FME feature failed. This will cause the feature to not function.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	Flow Metric Engine fails to registrate with Conditional Debugging infra.
<b>Recommended Action</b>	LOG_STD_ACTION

**FMFP****%FMFP-3-INTERFACE\_OBJECT\_NOT\_FOUND : Interface object lookup by [chars] not found for interface [int]**

<b>Explanation</b>	The desired interface object was not found.
<b>Recommended Action</b>	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**

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**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.

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**%FMFP-3-OBJ\_DWNLD\_TO\_DP\_STUCK : AOM download of [chars] to Data Plane is stuck for more than [int] seconds**

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**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

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**%FMFP-6-OBJ\_DWNLD\_TO\_DP\_RESUME : AOM download of objects to Data Plane is back to normal**

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**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

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**%FMFP-3-OBJ\_ACK\_FROM\_DP\_STUCK : AOM ack of [chars] from Data Plane is stuck for more than [int] seconds**

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**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

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**%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

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**%FMFP-3-DP\_NOMEM : DP not enough memory. [chars]**

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<b>Explanation</b>	An object download to DP failed because the memory of DP is not enough.
<b>Recommended Action</b>	Run show platform resource to see the memory usage

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**FMFP\_ACL**

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**%FMFP\_ACL-3-ACL\_OBJECT\_DOWNLOAD : [chars][chars] fail to download because [chars].**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	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).

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**%FMFP\_ACL-3-ACL\_LIMIT\_EXCEEDED : ACL [chars] exceeded limitation of [int] ACEs per ACL**

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<b>Explanation</b>	A software limitation has been exceeded.
<b>Recommended Action</b>	Reduce the access control list (ACL) configuration. A reboot of the forwarding processor (FP) is recommended.

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**%FMFP\_ACL-3-ACL\_PROTOCOL\_CHECK : ACL [chars] protocol does not match what was previously configured**

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<b>Explanation</b>	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
<b>Recommended Action</b>	Remove the conflicting ACL or the conflicting ACL references.

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**%FMFP\_ACL-3-ACL\_MODIFY\_FAILED : ACL:[chars] modification through object group edit failed**

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<b>Explanation</b>	Object-group used in the ACL was modified. Those changes could not be accommodated in the ACL
<b>Recommended Action</b>	Fix the object-group changes. Delete ACL and reconfigure it

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**%FMFP\_ACL-3-SGACL\_OBJECT\_DOWNLOAD : SGACL Cell ([dec] [dec]) policy [chars] fail to download because [chars].**

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<b>Explanation</b>	The SGACL policy has failed to download. This could be due to a hardware or software resource limitation or a software defect.
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**%FMFP\_ACL-3-SGACL\_OBJECT\_DOWNLOAD : SGACL Cell ([dec] [dec]) policy [chars] fail to download because [chars].**

**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

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## FMFP\_CXSC

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**%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.

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**%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.

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**%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.

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**%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.

**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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**%FMFP\_CXSC-6-CXSC\_POLICY\_DOWNLOAD\_SUCCESS : New policy version: [int] has now been installed and is active**

**Recommended Action** This is 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

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**%FMFP\_QOS-6-QOS\_STATS\_STALLED : statistics stalled**

**Explanation** QoS statistics are temporarily stalled. This is an informational message.

**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.

**Recommended Action** No action is required.

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## FMFP\_URPF

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**%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.

**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.

**Recommended Action** Check the logs for information on the relevant download states. Reboot the forwarding processor (FP).

---

**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\_PROXY through FR\_HA

- [FNF\\_PROXY](#)
- [FNF\\_WIRELESS](#)
- [FPD\\_MGMT](#)
- [FR](#)
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- [FR\\_ELM](#)
- [FR\\_FRAG](#)
- [FR\\_HA](#)

### FNF\_PROXY

---

#### %FNF\_PROXY-3-IPC\_UNHANDLED : type [dec]

---

<b>Explanation</b>	An unknown message was received by the Netflow Client Proxy.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

#### %FNF\_PROXY-3-MON\_CACHE\_FREE\_LIST\_INIT : Failed with return code: [dec], MSGDEF\_LIMIT\_MEDIUM

---

<b>Explanation</b>	Netflow failed to initialize the free list.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

#### %FNF\_PROXY-3-MON\_CACHE\_FREE\_LIST\_POOL\_ADD : Failed with return code: [dec], MSGDEF\_LIMIT\_MEDIUM

---

<b>Explanation</b>	Netflow failed to populate the free list.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

#### %FNF\_PROXY-3-MON\_CACHE\_AGER\_INIT : Failed with return code: [dec], MSGDEF\_LIMIT\_MEDIUM

---

<b>Explanation</b>	Netflow failed to initialize the ager.
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**%FNF\_PROXY-3-MON\_CACHE\_AGER\_INIT : Failed with return code: [dec], MSGDEF\_LIMIT\_MEDIUM**

**Recommended Action**      LOG\_STD\_ACTION

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**%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

---



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**%FNF\_PROXY-3-EXPORTER\_INIT : Failed with return code: [dec], MSGDEF\_LIMIT\_MEDIUM**

**Explanation**            Netflow failed to initialize the exporter.

**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

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---

**%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

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---

**%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.

---

**%FNF\_PROXY-3-EXPORTER\_OPTION\_TEMPLATE\_UNBIND : Failed for exporter: [hex] with return code: [dec], MSGDEF\_LIMIT\_MEDIUM**

**Recommended Action** LOG\_STD\_ACTION

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**%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

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---

**%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

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---

**%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

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**%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

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**%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.

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**%FNF\_PROXY-3-MON\_CACHE\_CLEAN : Failed with return code: [dec], MSGDEF\_LIMIT\_MEDIUM**

**Recommended Action**      LOG\_STD\_ACTION

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**%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

---

### FNF\_WIRELESS

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**%FNF\_WIRELESS-3-RECORD\_CLASSIFICATION\_ERR : Invalid Record set for Monitor [chars]. SSID: [chars]. Unsupported fields list: 'IPV6, DataLink, Flow Username, Interface, IGMP, Wireless IPV4 Address'**

**Explanation**      Record associated with the Monitor is either missing a mandatory field or contains a match/collect for a disallowed field

**Recommended Action**

---



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**%FNF\_WIRELESS-3-OPTION\_RECORD\_SEND\_ERR : Unable to send client [enet] username [chars] to collector**

**Explanation**      We are unable to send the option record for user mac address to username mapping to the configured collector. Please reconfigure the option record to the exporter.

**Recommended Action**

---



---

**%FNF\_WIRELESS-3-LIST\_CREATION\_ERR : Unable to create list for exporters with usermac-table option**

**Explanation**      We are unable to create a list where exporters with option user-mac table is configured.

**Recommended Action**

---



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**%FNF\_WIRELESS-3-FLOW\_DEF\_CREATION\_ERR : Unable to create Flow definition from Field List**

**Explanation**      We are unable to create a flow definition from the fields.

**Recommended Action**

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---

**%FNF\_WIRELESS-3-OPTION\_REC\_REGISTRATION\_ERR : Unable to register usermac-table option with Netflow infra**


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**Explanation** We are unable to register the usermac to username option record with the Netflow infra. Please re-configure the option after deleting it first.

**Recommended 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.

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**%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**

**Recommended Action** No action is required.

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---

**%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.

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---

**%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.

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**%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

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---

**%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.

---



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**%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 .

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---

**%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.**

---

<b>Explanation</b>	The FPD image version check operation required for the automatic upgrade feature is not being performed for the indicated card because the <b>upgrade hw-module</b> privileged EXEC command has already being executed. These two operations cannot be performed at the same time.
<b>Recommended Action</b>	If an automatic upgrade operation is required, do not enter the <b>upgrade hw-module</b> privileged EXEC command for the manual upgrade while the target card is initializing. Enter the <b>show hw-module subslot fpd</b> command and ensure that the target card is displayed in the command output before proceeding with the manual upgrade.

---



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**%FPD\_MGMT-4-CFG\_NOT\_SYNCED : Failed to sync [chars] command to standby: [chars]**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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 <b>dir ?</b> command can be used to display a list of filesystem supported on both standby and active RP.

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**%FPD\_MGMT-3-INVALID\_IMG\_VER : Invalid [chars] (FPD ID=[int]) image version detected for [chars] card in [chars].**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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.**

---

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

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**%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.

**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.

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**%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.

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**%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.**

---

<b>Explanation</b>	The system cannot read the required file from the indicated URL.
<b>Recommended Action</b>	Make sure that the indicated URL is a valid path, and the system has access to the filesystem where the file has been placed.

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**%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].**

---

<b>Explanation</b>	The indicated file might not be a valid FPD image bundle or package file for the target card or the file could be corrupted.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%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].**

---

<b>Explanation</b>	The indicated file might not be a valid FPD image bundle or package file for the target card.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%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].**

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<b>Explanation</b>	The indicated file might not be a valid FPD image bundle or package file for the target card.
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**%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].**

**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-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.

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**%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.

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**%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.

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**%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].

**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-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.

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**%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.bndl 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.

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**%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].**

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<b>Explanation</b>	The file used for upgrade might not be a valid FPD image bundle or package file for the card.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%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].**

---

<b>Explanation</b>	The indicated file might not be a valid FPD image bundle or package file for the card.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%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].**

---

<b>Explanation</b>	The indicated file might not be a valid FPD image bundle or package file for the card.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%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].**

---

<b>Explanation</b>	The indicated file might not be a valid FPD image bundle or package file for the card.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%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].**

---

<b>Explanation</b>	The image failed the CRC checking process, this indicates a corrupt FPD image bundle or package file.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%FPD\_MGMT-3-FPD\_UPGRADE\_FAILED : [chars] (FPD ID=[int]) image upgrade for [chars] card in [chars] has FAILED.**

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<b>Explanation</b>	The FPD image upgrade process has failed for the indicated device.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd</b> and contact your technical support representative with the gathered information.

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**%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.**

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<b>Explanation</b>	The FPD image upgrade process for additional FPD images has been canceled due to upgrade error in the indicated device.
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**%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.**

**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.

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**%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.

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**%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.

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**%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.

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**%FPD\_MGMT-3-PKG\_VER\_FILE\_EXTRACT\_ERROR : Cannot extract the [chars] version file from [chars] - [chars]**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%FPD\_MGMT-3-INVALID\_PKG\_FILE : The indicated file ([chars]) is not a valid FPD image package file - [chars]**

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<b>Explanation</b>	The file format does not appear to be a valid FPD image package.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%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.**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.

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**%FPD\_MGMT-3-READ\_BNDL\_HDR\_ERROR : Failed to read the FPD bundle header from [chars] file.**

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<b>Explanation</b>	The indicated file might not be a valid FPD image bundle or package file.
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**%FPD\_MGMT-3-READ\_BNDL\_HDR\_ERROR : Failed to read the FPD bundle header from [chars] file.**

<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> 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.**

<b>Explanation</b>	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.
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<b>Recommended Action</b>	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 <b>show hw-module subslot fpd, show upgrade fpd table</b> and <b>show upgrade fpd file fpd-pkg-url</b> commands, then contact your technical support representative with the gathered information.
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**%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].**

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

<b>Explanation</b>	FPD_INTERNAL_SW_ERR_STD_EXPLANATION
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<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FPD\_MGMT-3-CLOSE\_FAILED : Failed to close [chars] file.**

<b>Explanation</b>	FPD_INTERNAL_SW_ERR_STD_EXPLANATION
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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]**

<b>Explanation</b>	FPD_INTERNAL_SW_ERR_STD_EXPLANATION
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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].**

<b>Explanation</b>	FPD_INTERNAL_SW_ERR_STD_EXPLANATION
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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].**

<b>Explanation</b>	FPD_INTERNAL_SW_ERR_STD_EXPLANATION
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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].**

<b>Explanation</b>	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].**

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

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

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**%FPD\_MGMT-3-SW\_ERROR : NULL**

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

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**%FPD\_MGMT-3-IPC\_FAILED : Failed to send IPC message to [chars] in [chars] - [chars]**

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

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**%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.**

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<b>Explanation</b>	By default, if the <b>upgrade fpd path fpd-pkg-url</b> 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.
<b>Recommended Action</b>	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.

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**%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.**

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<b>Explanation</b>	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 <b>upgrade fpd auto</b> 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.
<b>Recommended Action</b>	The FPD image upgrade can be performed automatically by making sure that the automatic upgrade feature is enabled with the <b>upgrade fpd auto</b> 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 <b>upgrade fpd path directory-url</b> 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 <b>upgrade hw-module</b> privileged EXEC command. For more information about these commands, refer to the FPD_DOCUMENT_NAME .

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**%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.**

---

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

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**%FPD\_MGMT-3-INVALID\_IMG\_FORMAT : Invalid image format '[chars]' detected for FPD ID=[int].**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	Please check if the FPD image package used in the upgrade is for the correct platform. This can be checked by using the <b>show upgrade fpd package default</b> privileged EXEC command.

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**%FPD\_MGMT-2-CREATE\_FAIL : Couldn't create [chars].**

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<b>Explanation</b>	The system does not have enough free main memory to create the specified resource.
<b>Recommended Action</b>	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 <b>show memory</b> 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 <b>show tech-support</b> command and contact your technical support representative with this information.

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**FR**

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**%FR-5-DLCICHANGE : Interface [chars] - DLCI [dec] state changed to [chars]**

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<b>Explanation</b>	The state of the Frame Relay PVC specified by the DLCI changed.
<b>Recommended Action</b>	Notification message only. No action required.

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**%FR-3-BQ\_ENQ\_ERR : fr\_oqueue: Invalid datagramstart [hex] [hex], pak dropped**

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<b>Explanation</b>	A broadcast packet was detected in the Frame Relay output queue that contained an invalid datagram header. The packet has been dropped.
<b>Recommended Action</b>	If the router or some features are not operational due to this condition, attempt to disable the Frame Relay broadcast queue by entering the <b>no frame-relay broadcast-queue</b> command in interface configuration mode for a immediate workaround. And LOG_STD_ACTION

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**%FR-3-BQ\_DEQ\_ERR : fr\_bq\_proc: unknown packet on broadcast queue, packet dropped!**

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<b>Explanation</b>	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

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**%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

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**%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.

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**%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.

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**%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.

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**%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

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**%FR-5-CONVERT\_ROUTE : Converting route pair to connect**

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**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**

<b>Explanation</b>	Unable to create FR PVC status event queue
<b>Recommended Action</b>	LOG_STD_ACTION

**%FR-3-MAP\_DELETE\_ERROR : [chars]**

<b>Explanation</b>	An error occurred while deleting a frame-relay map
<b>Recommended Action</b>	LOG_STD_ACTION

**%FR-3-FR\_INV\_OUTPUT\_VECTOR : An invalid output vector detected on interface [chars]**

<b>Explanation</b>	An invalid internal function vector is installed on a Frame Relay interface, which affects the ability of processing outbound traffic on the device.
<b>Recommended Action</b>	Remove and re-apply Frame Relay encapsulation on the interface to recover from the error.

**FRAG****%FRAG-3-FRAG\_STATE\_MEM\_REQ\_FAILED :**

<b>Explanation</b>	IPC failure occurred when attempting to request more fragment state pool memory.
<b>Recommended Action</b>	LOG_STD_ACTION

**%FRAG-3-FRAG\_STATE\_MEM\_INIT\_FAILED :**

<b>Explanation</b>	Failure occurred initializing fragment state pool.
<b>Recommended Action</b>	LOG_STD_ACTION

**%FRAG-3-FRAG\_DESC\_MEM\_REQ\_FAILED :**

<b>Explanation</b>	IPC Failure occurred when attempting to request more fragment descriptor pool memory.
<b>Recommended Action</b>	LOG_STD_ACTION

---

**%FRAG-3-FRAG\_DESC\_MEM\_INIT\_FAILED :**

---

<b>Explanation</b>	Failure occurred initializing fragment descriptor pool.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FRAG-3-REASSEMBLY\_ERR : Reassembly/VFR encountered an error: [chars]**

---

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

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**%FRAG-3-REASSEMBLY\_DBG : Reassembly/VFR encountered an error: [chars], [chars] [int], [chars] [int]**

---

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

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**%FRAG-2-UNENABLED : [chars] feature not enabled at interface [chars], packet cannot be processed, MSGDEF\_LIMIT\_SLOW**

---

<b>Explanation</b>	Reassembly or fragmentation feature as indicated not enabled by the control plane. This is a critical problem.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%FRAG-3-INVALID\_MTU : [chars] feature failed at interface [chars] due to invalid L3 MTU [int], MSGDEF\_LIMIT\_SLOW**

---

<b>Explanation</b>	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**


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<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%FRAG-3-INVALID\_QFP\_NO : Invalid qfp device no.: [chars]**


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<b>Explanation</b>	Invalid qfp device no.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**FRAG\_DESC\_PROXY**


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**%FRAG\_DESC\_PROXY-3-PROXY\_IPC\_FRAG\_MEM\_INIT\_FAILED :**


---

<b>Explanation</b>	Initialization of fragment descriptor pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

---

**%FRAG\_DESC\_PROXY-3-PROXY\_IPC\_VFR\_MEM\_INIT\_FAILED :**


---

<b>Explanation</b>	Initialization of vFR state pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

---

**%FRAG\_DESC\_PROXY-3-PROXY\_IPC\_FRAG\_MEM\_EXTEND\_FAILED :**


---

<b>Explanation</b>	Increasing of fragment descriptor pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

---

**%FRAG\_DESC\_PROXY-3-PROXY\_IPC\_VFR\_MEM\_EXTEND\_FAILED :**


---

<b>Explanation</b>	Increasing of vFR state pool failed.
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**%FRAG\_DESC\_PROXY-3-PROXY\_IPC\_VFR\_MEM\_EXTEND\_FAILED :**

**Recommended Action** LOG\_STD\_ACTION

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**%FRAG\_DESC\_PROXY-4-PROXY\_IPC\_INVALID\_MSG : [hex]**

**Explanation** Invalid IPC message subtype.

**Recommended Action** LOG\_STD\_ACTION

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**%FRAG\_DESC\_PROXY-3-PROXY\_IPC\_INIT\_FAILED : [dec]**

**Explanation** IPC handler initialization failed.

**Recommended Action** LOG\_STD\_ACTION

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**FRR\_OCE**

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**%FRR\_OCE-3-GENERAL : [chars]**

**Explanation** An internal software error occurred.

**Recommended Action** Refer to the Bug Navigator at [www.cisco.com](http://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-NULLPOINTER : [chars]**

**Explanation** An internal software error occurred.

**Recommended Action** Refer to the Bug Navigator at [www.cisco.com](http://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-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](http://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\_ADDRTYPE : addrtype to xdr: [dec] [dec]**

**Explanation** An internal software error occurred.

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**%FRR\_OCE-3-INVALID\_ADDRTYPE : addrtype to xdr: [dec] [dec]**

**Recommended Action** Refer to the Bug Navigator at [www.cisco.com](http://www.cisco.com) to see if this condition has been previously reported and resolved in a later release.

**%FRR\_OCE-3-INVALID\_BFD\_HNDL : [chars] bfd notification handle is [IPV6 address]**

**Explanation** An internal software error occurred.

**Recommended Action** Refer to the Bug Navigator at [www.cisco.com](http://www.cisco.com) to see if this condition has been previously reported and resolved in a later release.

**%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.

**Recommended Action** Refer to the Bug Navigator at [www.cisco.com](http://www.cisco.com) to see if this condition has been previously reported and resolved in a later release.

**%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.

**Recommended Action** Refer to the Bug Navigator at [www.cisco.com](http://www.cisco.com) to see if this condition has been previously reported and resolved in a later release.

**%FRR\_OCE-3-ERROR\_BFD\_SESSION : [chars]BFD returned [dec] node [IPV6 address] handle [IPV6 address] interface [dec]**

**Explanation** An internal software error occurred.

**Recommended Action** Refer to the Bug Navigator at [www.cisco.com](http://www.cisco.com) to see if this condition has been previously reported and resolved in a later release.

**%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.

**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]**

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<b>Explanation</b>	The interface or line card is reloading or pulled off.
<b>Recommended Action</b>	Check whether the line card is in online and the interface is up.

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**%FRR\_OCE-5-ISSULOG : FRR is not ISSU compatible, notified by [chars]**

---

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

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**FR\_ELMI**

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**%FR\_ELMI-3-INCORRECT\_ID : Incorrect ID**

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<b>Explanation</b>	Incorrect ID in QOS parameter message.
<b>Recommended Action</b>	

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**%FR\_ELMI-3-INCORRECT\_IE : Incorrect IE**

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<b>Explanation</b>	Enhanced LMI is not configured on the interface. The frame was dropped.
<b>Recommended Action</b>	

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**FR\_FRAG**

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**%FR\_FRAG-3-BADPAK : Inconsistent packet: size [dec], linktype [chars], input [chars], output [chars]**

---

<b>Explanation</b>	A packet being fragmented has inconsistent size and data
<b>Recommended Action</b>	Inform Cisco technical support representative

---

**FR\_HA****%FR\_HA-3-SYNC : [chars]: code [dec]**

<b>Explanation</b>	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.
<b>Recommended Action</b>	Reset the standby processor to attempt the sync again. LOG_STD_RECUR_ACTION

**%FR\_HA-3-ISSU : [chars]: [chars]**

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

## 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**

<b>Explanation</b>	An unexpected LMI information element has been received.
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**%FR\_LMI-3-INCORRECT\_IE : Enhanced LMI not configured, incorrect IE**

<b>Recommended Action</b>	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 dlcis values from [dec] will not be reported.**

<b>Explanation</b>	LMI STATUS message size is too big to fit into interface MTU.
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<b>Recommended Action</b>	LMI type - cisco - does not support segmentation of STATUS message, so either increase the interface MTU or use LMI types - ansi or q933a.
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**FR\_VCB****%FR\_VCB-3-PROCESS\_SWITCHING : Switching error - vcb [chars] - [chars]**

<b>Explanation</b>	An error occurred while switching packet(s) across vc-bundle
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<b>Recommended Action</b>	As a workaround, delete the vc-bundle and employ a PVC to substitute for the vc-bundle
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**%FR\_VCB-3-FIBSW\_MISSING\_TABLE\_ENTRY : FIB switching error - vc-bundle [chars]**

<b>Explanation</b>	An error occurred while FIB switching packet(s) across vc-bundle
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<b>Recommended Action</b>	As a workaround, delete the vc-bundle and employ a PVC to substitute for the vc-bundle
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**%FR\_VCB-3-CONFIG : Configuration error - vcb [chars] - [chars]**

<b>Explanation</b>	An error occurred while interpreting vc-bundle configuration
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<b>Recommended Action</b>	Try reconfiguring the vc-bundle
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**%FR\_VCB-3-BUMPING : Bumping error - vcb [chars] - [chars]**

<b>Explanation</b>	An error occurred while bumping traffic in a vc-bundle
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<b>Recommended Action</b>	As a workaround, reconfigure the vc-bundle to avoid bumping
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**%FR\_VCB-5-UPDOWN : FR VC-Bundle [chars] changed state to [chars]**

---

<b>Explanation</b>	The state of a frame-relay vc-bundle changed to up/down
<b>Recommended Action</b>	Notification message only. No action required

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**%FR\_VCB-3-ADJ\_SRC\_ERROR : Error sourcing adjacency - vc-bundle [chars] dlci [dec]**

---

<b>Explanation</b>	An error occurred while setting up the adj for a member pvc
<b>Recommended Action</b>	Try reconfiguring the vc-bundle

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**FW**

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**%FW-4-ALERT\_ON : [chars][chars], count ([dec]/[dec]) current 1-min rate: [dec]**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	This message is for informational purposed only, but may indicate a security problem.

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**%FW-4-ALERT\_OFF : [chars][chars], count ([dec]/[dec]) current 1-min rate: [dec]**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	This message is for informational purposed only, but may indicate that an attack has stopped.

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**%FW-4-HOST\_TCP\_ALERT\_ON : [chars]Max tcp half-open connections ([dec]) exceeded for host [IP\_address].**

---

<b>Explanation</b>	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.

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**%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.

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**%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.

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**%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.

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**%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.

---

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**%FW-6-SESS\_AUDIT\_TRAIL : [chars]Stop [chars] session: initiator ([IP\_address]:[dec]) sent [int] bytes -- responder ([IP\_address]:[dec]) sent [int] bytes**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	This message is for informational purposes only, and can be used to collect the basic accounting for the inspected sessions.

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**%FW-3-FTP\_SESSION\_NOT\_AUTHENTICATED : [chars]Command issued before the session is authenticated -- FTP client [IP\_address] FTP server [IP\_address]**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	This message is for informational purposes only, but may indicate that an illegal attempt was made to modify the firewall security policy.

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**%FW-3-FTP\_PRIV\_PORT : [chars]Privileged port [dec] used in [chars] -- FTP client [IP\_address] FTP server [IP\_address]**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	This message is for informational purposes only, but may indicate that an attempt was made to gain access to privileged ports.

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**%FW-3-FTP\_NON\_MATCHING\_IP\_ADDR : [chars]Non-matching address [IP\_address] used in [chars] -- FTP client [IP\_address] FTP server [IP\_address]**

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<b>Explanation</b>	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.
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**%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.

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**%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.

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**%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.

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**%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.

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**%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.

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**%FW-4-TCP\_SENDMAIL\_BAD\_FROM\_SIG : [chars]Sendmail Invalid Sender - from [IP\_address] to [IP\_address]**


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<b>Explanation</b>	Triggers on any mail message with a "pipe" ( ) symbol in the "From:" field.
<b>Recommended Action</b>	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.

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**%FW-4-TCP\_SENDMAIL\_OLD\_SIG : [chars]Archaic Sendmail Attacks - from [IP\_address] to [IP\_address]**


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<b>Explanation</b>	Triggers when "wiz" or "debug" commands are sent to the SMTP port.
<b>Recommended Action</b>	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.

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**%FW-4-TCP\_SENDMAIL\_DECODE : [chars]Sendmail Decode Alias - from [IP\_address] to [IP\_address]**


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

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**%FW-4-TCP\_MAJORDOMO\_EXEC\_BUG : [chars]Majordomo Execute Attack - from [IP\_address] to [IP\_address]**


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<b>Explanation</b>	A bug in the Majordomo program will allow remote users to execute arbitrary commands at the privilege level of the server.
<b>Recommended Action</b>	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.

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**%FW-4-TCP\_SENDMAIL\_INVALID\_COMMAND : [chars]Invalid SMTP command - [IP\_address] to [IP\_address]**


---

<b>Explanation</b>	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.
<b>Recommended Action</b>	This is unusual traffic and may warrant investigation.

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**%FW-6-PRE\_ALLOCATED\_MEDIA\_CHANNEL : [chars]Pre-Allocated [chars] channel from [IP\_address][[dec]:[dec]] to [IP\_address][[dec]:[dec]]**

---

<b>Explanation</b>	CBAC inspection has pre-allocated data-structures and created ACEs to allow the data/media traffic to flow through the Firewall.
<b>Recommended Action</b>	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]**

---

<b>Explanation</b>	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.
<b>Recommended Action</b>	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.**

---

<b>Explanation</b>	Firewall inspection is configured on at least one interface in the startup config.
<b>Recommended Action</b>	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]**

---

<b>Explanation</b>	Packet dropped by firewall inspection.
<b>Recommended Action</b>	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]**

---

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

---



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**%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

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---

**%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.

---



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**%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

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**%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.

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**%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

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## FWALL\_PROXY

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**%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

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---

**%FWALL\_PROXY-3-PROXY\_SCB\_MEM\_EXTEND\_FAILED :**

---

<b>Explanation</b>	Increasing of session control block pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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---

**%FWALL\_PROXY-3-PROXY\_ICMP\_ERROR\_MEM\_EXTEND\_FAILED :**

---

<b>Explanation</b>	Increasing of ICMP Error pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_HA\_MEM\_INIT\_FAILED :**

---

<b>Explanation</b>	Initialization of ha retry pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_HA\_MEM\_EXTEND\_FAILED :**

---

<b>Explanation</b>	Increasing of ha retry pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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---

**%FWALL\_PROXY-3-PROXY\_HOSTDB\_MEM\_INIT\_FAILED :**

---

<b>Explanation</b>	Initialization of host database pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_HOSTDB\_MEM\_EXTEND\_FAILED :**

---

<b>Explanation</b>	Increasing of host database pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_TEARDOWN\_MEM\_INIT\_FAILED :**

---

<b>Explanation</b>	Initialization of teardown pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_TEARDOWN\_MEM\_EXTEND\_FAILED :**

---

<b>Explanation</b>	Increasing of teardown pool failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_FWALL\_INIT\_FAILED : [dec]**

---

<b>Explanation</b>	Firewall initialization failed.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%FWALL\_PROXY-3-PROXY\_IPC\_SEND\_INIT\_FAILED : [chars] [dec]**

---

<b>Explanation</b>	IPC failed to reply for firewall initialization status.
<b>Recommended Action</b>	LOG_STD_ACTION

---



---

**%FWALL\_PROXY-3-PROXY\_IPC\_FAILED : [chars] [dec]**

---

<b>Explanation</b>	IPC message allocation for firewall failed.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_TBL\_INIT\_FAILED : [chars]**

---

<b>Explanation</b>	Failed to initialize table.
<b>Recommended Action</b>	LOG_STD_ACTION

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**%FWALL\_PROXY-3-PROXY\_IPC\_SEND\_STATS\_FAILED : [dec]**

---

<b>Explanation</b>	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

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**%FWALL\_PROXY-3-PROXY\_IPC\_SEND\_SESSION\_FAILED : [dec]**

**Explanation** IPC send failed to reply for firewall session query.  
**Recommended Action** LOG\_STD\_ACTION

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---

**%FWALL\_PROXY-3-PROXY\_IPC\_SEND\_CLEAR\_FAILED : [dec]**

**Explanation** IPC send failed to reply for firewall session clear.  
**Recommended Action** LOG\_STD\_ACTION

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---

**%FWALL\_PROXY-3-PROXY\_IPC\_SEND\_DEBUG\_FAILED : [dec]**

**Explanation** IPC send failed to reply for firewall session debug.  
**Recommended Action** LOG\_STD\_ACTION

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---

**%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

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**%FWALL\_PROXY-4-PROXY\_IPC\_INVALID\_MSG : [hex]**

**Explanation** Invalid IPC message subtype.  
**Recommended Action** LOG\_STD\_ACTION

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**%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

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**%FWALL\_PROXY-3-PROXY\_IPC\_INIT\_FAILED : [dec]**

---

**Explanation** IPC handler initialization failed.**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-3-PROXY\_IPC\_ALLOC\_FAILED : [int]**

---

**Explanation** IPC allocation failed.**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-3-PROXY\_IPC\_SEND\_FAILED : [int]:[chars]**

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**Explanation** IPC send failed.**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-3-PROXY\_HSL\_CREATE\_FAILED :**

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**Explanation** HSL creation failed.**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-3-PROXY\_HSL\_ADD\_DEST\_FAILED :**

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**Explanation** HSL add destination failed.**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-3-PROXY\_HSL\_BIND\_FAILED :**

---

**Explanation** HSL bind failed.**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-3-PROXY\_HSL\_ENABLE\_FAILED :**

<b>Explanation</b>	HSL enable failed.
<b>Recommended Action</b>	LOG_STD_ACTION

**%FWALL\_PROXY-3-PROXY\_HSL\_BIND\_TEMPLATE\_FAILED : [dec]**

<b>Explanation</b>	HSL bind tempalte failed at given index.
<b>Recommended Action</b>	LOG_STD_ACTION

**%FWALL\_PROXY-4-PROXY\_HSL\_ALREADY\_INIT :**

<b>Explanation</b>	HSL logger already initialized
<b>Recommended Action</b>	LOG_STD_ACTION

**%FWALL\_PROXY-4-PROXY\_HSL\_NOT\_INIT : [int]**

<b>Explanation</b>	HSL logger not initialized
<b>Recommended Action</b>	LOG_STD_ACTION

**%FWALL\_PROXY-3-PROXY\_HSL\_MODIFY\_FAILED :**

<b>Explanation</b>	HSL modification failed.
<b>Recommended Action</b>	LOG_STD_ACTION

**%FWALL\_PROXY-3-PROXY\_HSL\_MODIFY\_DEST\_FAILED :**

<b>Explanation</b>	HSL modify destination failed.
<b>Recommended Action</b>	LOG_STD_ACTION

**%FWALL\_PROXY-4-PROXY\_IPC\_UNINIT\_POOL\_FAILED : [chars]: [dec]**

<b>Explanation</b>	Could not destroy chunk pool
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**%FWALL\_PROXY-4-PROXY\_IPC\_UNINIT\_POOL\_FAILED : [chars]: [dec]**

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**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-4-PROXY\_UNINIT\_SESSIONS : in use [int] [int]**

---

**Explanation** Not all sessions freed  
**Recommended Action** LOG\_STD\_ACTION

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---

**%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

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**%FWALL\_PROXY-3-PROXY\_DEBUG\_REG\_FAILED : [dec]**

---

**Explanation** FW Conditional Debugging registration failed.  
**Recommended Action** LOG\_STD\_ACTION

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**%FWALL\_PROXY-3-PROXY\_FWALL\_VFR\_REG\_FAILED : [chars] err: [dec]**

---

**Explanation** FW VFR registration failed.  
**Recommended Action** LOG\_STD\_ACTION

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**GBIC\_SECURITY**

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**%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.

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**%GBIC\_SECURITY-4-EEPROM\_READ\_ERR : Error in reading GBIC serial ID in [chars]**

<b>Explanation</b>	Error when reading GBIC type from EEPROM
<b>Recommended Action</b>	Please remove GBIC from this Port

**%GBIC\_SECURITY-4-EEPROM\_CRC\_ERR : EEPROM checksum error for GBIC in [chars]**

<b>Explanation</b>	The GBIC in the port specified in the error message has invalid EEPROM data.
<b>Recommended Action</b>	Remove the GBIC from the specified port.

**%GBIC\_SECURITY-4-EEPROM\_SECURITY\_ERR : GBIC in [chars] failed security check**

<b>Explanation</b>	The GBIC in the port specified in the error message has invalid EEPROM data.
<b>Recommended Action</b>	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**

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

<b>Explanation</b>	The GBIC was identified as a Cisco GBIC, but it does not have valid CRC in the EEPROM data.
<b>Recommended Action</b>	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]**

<b>Explanation</b>	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]**

<b>Recommended Action</b>	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**

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**%GBIC\_SECURITY\_UNIQUE-4-DUPLICATE\_SN : GBIC interface [dec]/[dec] has the same serial number as another GBIC interface**

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

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**%GBIC\_SECURITY\_UNIQUE-3-DUPLICATE\_GBIC : GBIC interface [dec]/[dec] is a duplicate of GBIC interface [dec]/[dec]**

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

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**GDOI**

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**%GDOI-1-GDOI\_ACL\_NUM : The ACL has too many entries. GDOI will honor only the first 100 ACL entries specified.**

<b>Explanation</b>	The ACL has too many entries. GDOI will honor only the first 100 ACL entries specified.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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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.**

<b>Explanation</b>	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.**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%GDOI-1-GDOI\_ACE\_DENY : A Group Member ACL policy containing deny was attempted. This is not supported.**

<b>Explanation</b>	A Group Member ACL policy containing deny was attempted. This is not supported.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%GDOI-1-UNREGISTERED\_INTERFACE : Group [chars] received registration from unregistered interface.**

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

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**%GDOI-1-UNAUTHORIZED\_IDENTITY : Group [chars] received registration from unauthorized identity: [chars]**

<b>Explanation</b>	The registration request was dropped because the requesting device was not authorized to join the group.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%GDOI-1-UNAUTHORIZED\_IPADDR : Group [chars] received registration from unauthorized ip address: [chars]**

<b>Explanation</b>	The registration request was dropped because the requesting device was not authorized to join the group.
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**%GDOI-1-UNAUTHORIZED\_IPADDR : Group [chars] received registration from unauthorized ip address: [chars]**

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

<b>Explanation</b>	The IPSec SA created for one group may have expired/been cleared, or didn't go through, need to re-register to KS.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.

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**%GDOI-5-GM\_REGS\_COMPL : Registration to KS [chars] complete for group [chars] using address [chars] fvrf [chars] ivrf [chars]**

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

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**%GDOI-5-GM\_FAILED\_TO\_INSTALL\_POLICIES : FAILED: Installation of Reg/Rekey policies from KS [chars] for group [chars] & gm identity [chars]**

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

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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]**

<b>Explanation</b>	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.

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**%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.

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**%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.

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**%GDOI-5-KS\_SEND\_UNICAST\_REKEY : Sending Unicast Rekey [chars]for group [chars] from address [chars] with seq # [dec] spi: [hex][hex]**

**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.

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**%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.

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**%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.

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**%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.

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**%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.

---



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**%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.

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**%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.

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**%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 .

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**%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.

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---

**%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.

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**%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.

---



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**%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.

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---

**%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.

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**%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.

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**%GDOI-5-GM\_UNREGISTER : GM left the group [chars].**


---

**Explanation** A Group member has left the group.

**Recommended Action** Informational message.

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**%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.

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---

**%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.

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**%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.

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---

**%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.

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---

**%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.

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---

**%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.

---

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**%GDOI-5-COOP\_KS\_REACH : Reachability restored with Cooperative KS [chars] in group [chars].**

---

<b>Explanation</b>	The reachability between the configured cooperative key servers is restored.
<b>Recommended Action</b>	Informational message

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**%GDOI-5-COOP\_KS\_ADD : [chars] added as COOP Key Server in group [chars].**

---

<b>Explanation</b>	A key server has been added to the list of cooperative key servers in a group
<b>Recommended Action</b>	Informational message

---



---

**%GDOI-5-COOP\_KS\_REMOVE : [chars] removed as COOP Key Server in group [chars].**

---

<b>Explanation</b>	A key server has been removed from the list of cooperative key servers in a group
<b>Recommended Action</b>	Informational message

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

---

<b>Explanation</b>	An unauthorized remote server tried to contact the local KS may be at different key server address in a group. Some might consider this a hostile event.
<b>Recommended Action</b>	Informational message

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**%GDOI-5-COOP\_KS\_ELECTION : KS entering election mode in group [chars] (Previous Primary = [chars])**

---

<b>Explanation</b>	The local Key server has entered the election process in a group
<b>Recommended Action</b>	Informational message

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**%GDOI-5-COOP\_KS\_TRANS\_TO\_PRI : KS [chars] in group [chars] transitioned to Primary (Previous Primary = [chars])**

---

<b>Explanation</b>	The local Key server transitioned to a primary role from being a secondary server in a group
<b>Recommended Action</b>	Informational message

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---

**%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

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---

**%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

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---

**%GDOI-5-KS\_REKEY\_TRANS\_2\_MULTI : Group [chars] transitioned to multicast rekey.**

---

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

**Recommended Action** Informational message

---

---

**%GDOI-5-GM\_REKEY\_TRANS\_2\_UNI : Group [chars] transitioned to Unicast Rekey.**

---

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

**Recommended Action** Informational message

---

---

**%GDOI-5-KS\_REKEY\_TRANS\_2\_UNI : Group [chars] transitioned to Unicast Rekey.**

---

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

**Recommended Action** Informational message

---

---

**%GDOI-4-GM\_REKEY\_NOT\_REC'D : GM did not receive rekey from KS [IP\_address] in group [chars].**

---

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

**Recommended Action** Informational message

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---

**%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

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---

**%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**

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---

**%GDOI-4-KS\_UN SOL\_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**

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---

**%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**

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---

**%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**

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**%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**

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---

**%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**

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---

**%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**

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---

**%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**

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**%GDOI-5-LKH\_ENABLE : LKH enabled in group [chars].**

---

**Explanation** LKH has been enabled in a group**Recommended  
Action**

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**%GDOI-5-LKH\_DISABLE : LKH disabled in group [chars].**

---

**Explanation** LKH has been disabled in a group

**Recommended  
Action**

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---

**%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**

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**%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**

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**%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**

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**%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.

**Recommended  
Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center 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-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**

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**%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**

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**%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**

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**%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**

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**%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.

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**%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

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**%GDOI-1-KS\_NO\_RSA\_KEYS : RSA Key - [chars] : Not found, Required for group [chars]**

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

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**%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

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**%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.

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**%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

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**%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**

<b>Explanation</b>	Hardware Limitation for IPsec Flow limit Reached. Cannot create any more IPsec SAs
<b>Recommended Action</b>	Contact the Group member's administrator.

**%GDOI-3-GM\_NO\_CRYPTO\_ENGINE : No crypto engine is found due to lack of resource or unsupported feature requested**

<b>Explanation</b>	Failed to select a suitable crypto engine because requested packet path not available, or requested feature not supported
<b>Recommended Action</b>	Check policy configured on KS

**%GDOI-3-COOP\_PACKET\_DROPPED : Announcement message dropped due to packet size [dec] bytes.**

<b>Explanation</b>	Hard limit set on the driver buffer size prevents sending packets of this size or bigger
<b>Recommended Action</b>	Informational message

**%GDOI-3-UNEXPECTED\_SIGKEY : Unexpected Signature Key detected: freeing it**

<b>Explanation</b>	Unexpected Signature Key found: freeing the signature key
<b>Recommended Action</b>	Informational message

**%GDOI-3-UNSUPPORTED\_TEK\_PROTO : Unexpected TEK Protocol : [dec]**

<b>Explanation</b>	Unexpected TEK PROTOCOL
<b>Recommended Action</b>	Informational message

**%GDOI-4-GM\_DELETE : GM [chars] deleted from group [chars].**

<b>Explanation</b>	A group member has been deleted in a group from Key Server
<b>Recommended Action</b>	Informational message

**%GDOI-5-KS\_USING\_DEFAULT\_TRANSFORM : GETVPN is using default transforms for profile [chars]**

<b>Explanation</b>	Using default transformset
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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.**

<b>Explanation</b>	The key-server has chosen KEK rekey cipher/hash algorithms which are not acceptable by this group-member
<b>Recommended Action</b>	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.**

<b>Explanation</b>	The key-server has chosen a TEK transformset which is not acceptable by this group-member
<b>Recommended Action</b>	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]**

<b>Explanation</b>	COOP Ann msg seq check failed
<b>Recommended Action</b>	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**

<b>Explanation</b>	The KS has received an ANN msg from a primary KS in which the timestamp is too old
<b>Recommended Action</b>	

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**%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**

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**%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**

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**%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**

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**%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

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**%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.

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**%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**

---

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

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**%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)**

---

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

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**%GDOI-5-COOP\_KS\_RESUME\_NEW\_GM\_REGISTER : This KS will now resume new GM registration functionality in group [chars]**

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

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**%GDOI-5-SA\_KEK\_UPDATED : SA KEK was updated [hex][hex][hex][hex]**

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

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**%GDOI-5-SA\_PIP\_UPDATED : SA PIP was updated 0x[chars]**

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

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**%GDOI-3-SA\_KEK\_INSATALL\_FAILED : Failed to install KEK SA**

**Explanation** KEK SA instalation has failed

**Recommended Action** Informational message.

**%GDOI-3-P2P\_PEER\_MIGRATE\_FAILED : Failed to install P2P rekey SA with peer [chars] in group [chars]**

**Explanation** Installation of P2P Rekey SA with an existing peer has failed

**Recommended Action** Check the status of all peers using the command 'show crypto gdoi gm p2p peers' and wait for PIP initiation between the failed peers. Traffic distruption may occur.

**%GDOI-5-SA\_TEK\_UPDATED : SA TEK was updated**

**Explanation** TEK was updated in the Registration/Rekey and a new TEK IPSEC SA was created

**Recommended Action** Informational message.

**%GDOI-4-GM\_MINOR\_VERSION\_MISMATCH : GM [IP\_address] Minor Version mismatch. Use 'show crypto gdoi ks members' to see GM versions**

**Explanation** GM has different minor version.

**Recommended Action** show crypto gdoi ks members

**%GDOI-3-GM\_MAJOR\_VERSION\_MISMATCH : GM [IP\_address] registration rejected due to major version mismatch. GM must be using major version [dec] in order to be compatible with this KS**

**Explanation** GM has a non-compatible major version.

**Recommended Action** Check GDOI version compatibility on KS and GMs

**%GDOI-4-KS\_MINOR\_VERSION\_MISMATCH : COOP-KS Minor Version mistmatch 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

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**%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]**

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

**Recommended Action** Check GDOI version compatibility on KS

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**%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.**

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**Explanation** Coop KS has different minor version.

**Recommended Action** show crypto gdoi ks coop

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**%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]**

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

**Recommended Action** Check COOP version compatibility on KS

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**%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**

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**Explanation** COOP-KS has a non-compatible peer.

**Recommended Action** Check COOP version compatibility on peer KS

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**%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**

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**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.

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**%GDOI-5-ESON\_POLICY\_CHANGE\_RESTART1 : ESON group [chars] policy has changed. Must use 'clear crypto gdoi ks members now' to restart the group**

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

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**%GDOI-5-ESON\_POLICY\_CHANGE\_RESTART2 : ESON group [chars] policy has changed. Must use 'crypto gdoi ks replace now' to restart the group**

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

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**%GDOI-5-GM\_DELETE\_EXPIRED\_KEK : KEK expired for group [chars] and was deleted**

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

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**%GDOI-5-GM\_DELETE\_EXPIRED\_PIP : PIP with SPI 0x[chars] expired for group [chars] and was deleted**

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

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**%GDOI-5-GM\_DELETE\_EXPIRED\_P2P : P2P SA with epoch hash 0x[chars] expired for group [chars] and was deleted**

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<b>Explanation</b>	Deleting Expired P2P
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**%GDOI-5-GM\_DELETE\_EXPIRED\_P2P : P2P SA with epoch hash 0x[chars] expired for group [chars] and was deleted**

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

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**%GDOI-5-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.

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**%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.

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**%GDOI-5-KS\_REINIT\_FINISH : Re-initialization of group [chars] completed.**

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

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

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**%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.**

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<b>Explanation</b>	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.
<b>Recommended Action</b>	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'.

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

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

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**%GDOI-5-COOP\_KSSID\_OVERLAP\_RESOLVED : Resolved overlapping KS Sender Identifier(s) (KSSID) with COOP-KS peer allowing GM registrations once again**

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

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

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

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**%GDOI-5-GM\_REKEY\_IPV4\_POLICY\_CHECK\_FAIL : Non-IPv4 policies is received in IPv4 Group [chars]; rekey is rejected**

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

**Recommended Action** Contact the Key server's administrator.

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**%GDOI-5-GM\_REKEY\_IPV6\_POLICY\_CHECK\_FAIL : Non-IPv6 policies is received in IPv6 Group [chars]; rekey is rejected**

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

**Recommended Action** Contact the Key server's administrator.

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

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**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)

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**%GDOI-4-NEWER\_GM\_VERSION\_REGISTER : WARNING: GM [IP\_address] registers to group [chars] with newer GDOI version than KS. Please check 'show crypto gdoi ks members' and 'show crypto gdoi feature' to ensure all GMs can support the GETVPN features enabled.**

---

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

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

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**%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]**

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

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**%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]**

**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)

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**%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.

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

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

**Recommended Action** Informational message.

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**%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

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**%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.

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**%GDOI-6-COOP\_KS\_VER\_TRANSIT : Coop KS [chars] protocol version transits from version 1.0.1 to 2.0.0**

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

**%GDOI-4-COOP\_KS\_RBLY\_FAILED : Coop KS [chars] in group [chars] session Reassembly failed in TransID [int]**

<b>Explanation</b>	The KS COOP had an error reassembling a packet from a peer KS
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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.**

<b>Explanation</b>	The KS COOP had received a checkpoint mismatch from a KS COOP peer
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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.**

<b>Explanation</b>	The KS COOP configuration redundancy ikve2-profile specifies a profile that doesn't exist. The COOP will not come up.
<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), 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**

<b>Explanation</b>	IPSEC initiate a GM registration for the group
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**%GDOI-5-IPSEC\_INITIATE\_GM\_REGISTER : IPSEC initiate GDOI group [chars] to register**

<b>Recommended Action</b>	Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit ( <a href="https://bst.cloudapps.cisco.com/bugsearch/">https://bst.cloudapps.cisco.com/bugsearch/</a> ). If you still require assistance, open a case with the Technical Assistance Center via the Internet ( <a href="https://mycase.cloudapps.cisco.com/case">https://mycase.cloudapps.cisco.com/case</a> ), or contact your Cisco technical support representative and provide the representative with the gathered information.
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**%GDOI-3-IPSEC\_INITIATE\_GM\_REGISTER\_POSTPONE : IPSEC triggering registration for group [chars] too frequently. Postpone the registration to occur in [dec] msec.**

<b>Explanation</b>	GM detects IPSEC triggering registration for the group too frequently. GDOI will rate-limit and postpone the registration.
<b>Recommended Action</b>	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.**

<b>Explanation</b>	GM detects IPSEC triggering registration for the group too frequently. GDOI will ignore the request as registration has already been scheduled.
<b>Recommended Action</b>	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].**

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

<b>Explanation</b>	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
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**%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.**

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log. Perform a search of the Bug Toolkit (<https://bst.cloudapps.cisco.com/bugsearch/>). If you still require assistance, open a case with the Technical Assistance Center 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-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.

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**%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.

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**%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.

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**%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-UNPACKXDR : Unpacked [dec] bytes and attempted to consume [dec] bytes for GSB: [chars]**


---

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

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**%GENERIC\_SUBBLOCK-2-GSBNOTISSUWARE : GSB [chars] is not ISSU aware. Cannot distribute it to ISSU-aware slots**


---

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

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**GEN\_DB**


---

**%GEN\_DB-3-NULL\_TREE\_NODE : Node is NULL [chars]**


---

<b>Explanation</b>	This message indicates that the tree node being examined is NULL
<b>Recommended Action</b>	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 \***


---

<b>Explanation</b>	This message indicates that the record key is invalid
<b>Recommended Action</b>	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]**


---

<b>Explanation</b>	This message indicates that key functions are missing from the database handle, or key function is a NULL Pointer
<b>Recommended Action</b>	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**

---

<b>Explanation</b>	This message indicates that key function being considered does not exist in the database definition
<b>Recommended Action</b>	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])**

---

<b>Explanation</b>	This message indicates that client type is outside the expected range
<b>Recommended Action</b>	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]**

---

<b>Explanation</b>	This message indicates the database handle was NULL
<b>Recommended Action</b>	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]**

---

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

---



---

**%GEN\_DB-3-LIST\_FAIL : [chars]:[chars]**

---

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

---



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**%GEN\_DB-3-LIST\_FAIL\_FOR\_RECORD : [chars]:[dec]:[chars]**

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

---

---

**%GEN\_DB-3-WAVL\_FAIL : [chars]: [chars]**

---

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

---



---

**%GEN\_DB-3-RECORD\_DELETE\_FAIL : [chars]:[chars]**

---

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

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---

**%GEN\_DB-3-PARSER\_INIT\_FAIL : [chars]:[dec]: Parser Could not be initialized**

---

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

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**%GEN\_DB-3-UNKNOWN\_PARSER\_CMD : [chars]:[dec]: Unknown Parser Command**

---

<b>Explanation</b>	This message indicates that the IOS Parser command was not recognized
<b>Recommended Action</b>	Copy the error message exactly as it appears, and report it to your technical support representative.

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## GEN\_PROXY through HL\_MGR

- [GEN\\_PROXY](#)
- [GLBP](#)
- [GRIP](#)
- [HAL\\_GENMEM](#)
- [HAL\\_PACKET](#)
- [HA\\_EM](#)
- [HA\\_PROXY](#)
- [HDLC](#)
- [HFSLIB](#)
- [HL\\_MGR](#)

**GEN\_PROXY****%GEN\_PROXY-3-IPC\_UNHANDLED : failure**

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

**Recommended Action** LOG\_STD\_ACTION

**%GEN\_PROXY-3-REPLY\_MSG : wrong version [dec]**

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

**Recommended Action** LOG\_STD\_ACTION

**%GEN\_PROXY-3-STACK\_ALLOC\_FAILED : Stack allocation for reply failed reply\_size [hex]**

**Explanation** Stack space could not be allocated for reply.

**Recommended Action** LOG\_STD\_ACTION

**%GEN\_PROXY-3-GPM\_ALLOC\_FAILED : GPM allocation for reply failed pak\_size [hex] reply\_size [hex]**

**Explanation** GPM could not be allocated for reply.

**Recommended Action** LOG\_STD\_ACTION

**%GEN\_PROXY-3-IPC\_SEND\_FAILED : IPC send reply failed [chars]**

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

**Recommended Action** LOG\_STD\_ACTION

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

**Explanation** Two routers participating in a Gateway Load Balancing Protocol group disagree on the valid authentication string.

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

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

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

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

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

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

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

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

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

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

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

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

<b>Explanation</b>	The GLBP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.
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**%GLBP-4-DUPVIP2 : [chars] Grp [dec] address [chars] is already assigned on this interface**

**Recommended Action** Check the configuration on all GLBP routers.

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

**Explanation** The GLBP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to, or overlaps with, an address on another interface or application.

**Recommended Action** Check the configuration on all GLBP routers.

---

---

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

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

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

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---

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

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

**Recommended Action** Check the configuration on all GLBP routers.

---

**GRIP**

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

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

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

---

---

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

**Explanation** A hardware or software error occurred.

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

---

**HAL\_GENMEM**


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**%HAL\_GENMEM-3-HAL\_MISMATCHED\_GENMEM : VADDR:[int] LINE: [dec]**

---

<b>Explanation</b>	Mismatched genmem.
<b>Recommended Action</b>	LOG_STD_ACTION

---

**HAL\_PACKET**


---

**%HAL\_PACKET-3-HAL\_GATHER\_ASYNC\_WAIT\_TIMEOUT : seqnum=[int] pak-type=[int]**

---

<b>Explanation</b>	Packet Hardware Transmit Error
<b>Recommended Action</b>	LOG_STD_ACTION

---

**HA\_EM**


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**%HA\_EM-7-FMCMN\_PTHREAD\_MUTEX\_LOCK : [chars]: Error locking mutex [chars]; [chars]**

---

<b>Explanation</b>	The pthread_mutex_lock function reported an error while attempting to lock the specified mutex.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---



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**%HA\_EM-7-FMCMN\_PTHREAD\_MUTEX\_UNLOCK : [chars]: Error unlocking mutex [chars]; [chars]**

---

<b>Explanation</b>	The pthread_mutex_unlock function reported an error while attempting to unlock the specified mutex.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMFDCMN\_DM\_CREATE : [chars]: could not create dispatch manager: [chars]**

---

<b>Explanation</b>	The event detector has failed to create an dispatch manager.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---

**%HA\_EM-7-FMFDCMN\_EA\_ATTACH : [chars]: could not register for asynchronous message events: [chars]**

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

**%HA\_EM-7-FMFDCMN\_INV\_TM : [chars]: invalid timer: type=[dec], timer=[IPV6 address]**

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

**%HA\_EM-7-FMFDCMN\_INV\_TM\_TYPE : [chars]: invalid timer type: [dec]**

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

**%HA\_EM-7-FMFDCMN\_MSGSEND\_EVT : [chars]: error returned from event\_send\_pulse; [chars]**

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

**%HA\_EM-7-FMFDCMN\_PUB\_RBLD : [chars]: [chars]**

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

**%HA\_EM-7-FMFDCMN\_XDM\_DISPATCH\_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]**

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

---

**%HA\_EM-7-FMFCMN\_XDM\_WAIT\_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]**

---

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

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**%HA\_EM-7-FMFD\_ADD\_PARSER : [chars]: Unable to add [chars] event detector command;**

---

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

---



---

**%HA\_EM-7-FMFD\_CHKPT\_INIT : [chars]: [chars]**

---

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

---



---

**%HA\_EM-7-FMFD\_CHKPT\_TBL\_ADD : [chars]: [chars]**

---

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

---



---

**%HA\_EM-7-FMFD\_CHKPT\_TBL\_INIT : [chars]: [chars]**

---

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

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**%HA\_EM-7-FMFD\_CHKPT\_TBL\_ITERATE : [chars]: [chars]**

---

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

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---

**%HA\_EM-7-FMFD\_CHKPT\_TBL\_REMOVE : [chars]: [chars]**

---

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

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**%HA\_EM-7-FMFD\_COND\_WAIT : [chars]: conditional wait error: [chars]**

---

<b>Explanation</b>	Internal error. The event detector has failed to do pthread conditional wait.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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---

**%HA\_EM-7-FMFD\_CONNECTION\_FAIL : Could not connect to [chars] : [chars]**

---

<b>Explanation</b>	Could not connect to event detector on the remote node. Node may be invalid or not available or the process may not be available to accept the connection.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMFD\_DE\_FETCH : [chars]: [chars][[dec]]**

---

<b>Explanation</b>	Internal error. The event detector has failed to fetch a data element from the statistics data engine.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---



---

**%HA\_EM-7-FMFD\_DE\_INIT : [chars]: [chars]**

---

<b>Explanation</b>	Internal error. The event detector has failed to initialize the statistics data engine.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---



---

**%HA\_EM-7-FMFD\_DM\_CREATE : [chars]: could not create dispatch manager: [chars]**

---

<b>Explanation</b>	The event detector has failed to create an dispatch manager.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---

---

**%HA\_EM-7-FMFD\_EA\_ATTACH : [chars]: could not register for asynchronous message events: [chars]**

---

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

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**%HA\_EM-3-FMFD\_EMPTY\_QUEUE : [chars]: The [chars] event detector I/O queue empty.**

---

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

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**%HA\_EM-7-FMFD\_ENQUEUE\_FAIL : [chars]: Unable to enqueue [chars];**

---

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

---



---

**%HA\_EM-7-FMFD\_EV\_BLOCK : [chars]: [chars]**

---

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

---



---

**%HA\_EM-7-FMFD\_EVM\_CREATE : Could not create event manager: [chars]**

---

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

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**%HA\_EM-7-FMFD\_HIST\_QERR : [chars]**

---

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

---



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**%HA\_EM-7-FMFD\_HIST\_RBLD : [chars]: [chars]**

---

<b>Explanation</b>	Internal error. The event detector has failed to rebuild the history list from the checkpointed records.
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**%HA\_EM-7-FMFD\_HIST\_RBLD : [chars]: [chars]**

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

**%HA\_EM-7-FMFD\_INV\_COMPARE\_OP : [chars]: invalid comparison operator: [dec]**

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

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

**%HA\_EM-7-FMFD\_INV\_STATS\_TYPE : [chars]: invalid statistics value type: [dec]**

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

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

**%HA\_EM-7-FMFD\_INV\_TM : [chars]: invalid timer: type=[dec], timer=[IPV6 address]**

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

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

**%HA\_EM-7-FMFD\_INV\_TM\_TYPE : [chars]: invalid timer type: [dec]**

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

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

**%HA\_EM-7-FMFD\_LOCAL\_NODEID : Could not get local nodeid: [chars]**

**Explanation** Could not get local node identifier.

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

**%HA\_EM-7-FMFD\_MALLOC : [chars]: Unable to allocate [chars]; [chars]**

**Explanation** The malloc function reported an error.

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

---

**%HA\_EM-7-FMFD\_MET\_ENQUEUE : [chars]: could not enqueue metric data: [chars]**

---

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

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

---

---

**%HA\_EM-7-FMFD\_MET\_RBLD : [chars]: [chars]**

---

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

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

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---

**%HA\_EM-7-FMFD\_MISC\_ERR : [chars]: [chars]**

---

**Explanation** An unexpected error occurred.

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

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---

**%HA\_EM-7-FMFD\_MSGSEND\_EVT : [chars]: error returned from event\_send\_pulse; [chars]**

---

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

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

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**%HA\_EM-7-FMFD\_MSGSEND\_RETRY\_ERR : [chars]: [dec]**

---

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

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

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**%HA\_EM-7-FMFD\_NO\_CLOCK : [chars]: unable to read clock using clock\_gettime: [chars]**

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**Explanation** The clock\_gettime function reported an error.

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

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**%HA\_EM-7-FMFD\_NO\_MEM : [chars]: not enough memory: [chars]**

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

**%HA\_EM-7-FMFD\_OE\_CREATE : [chars]: could not create an occurrence entry**

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

**%HA\_EM-7-FMFD\_OE\_REMOVE : [chars]: could not remove an occurrence entry**

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

**%HA\_EM-3-FMFD\_OID\_UNAVAIL : [chars]: The following oid has become unavailable: [chars]**

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

**%HA\_EM-7-FMFD\_OPEN\_CONF : [chars]: could not open event detector config file: [chars]**

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

**%HA\_EM-7-FMFD\_PTHRD\_CREATE : [chars]: could not create a Posix thread**

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

---

**%HA\_EM-7-FMFD\_PUB\_RBLD : [chars]: [chars]**

---

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

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**%HA\_EM-7-FMFD\_PUB\_TM\_ALLOC : [chars]: Unable to allocate memory for event publish timer block**

---

<b>Explanation</b>	Internal error. The event detector has failed to allocate memoryfor the event publish timer block.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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---

**%HA\_EM-3-FMFD\_QUEUE\_INIT : [chars]: Unable to initialize queue;**

---

<b>Explanation</b>	The queue initialization function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---



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**%HA\_EM-7-FMFD\_RESOURCE\_MONITOR\_REGISTER\_FAIL : [chars]: resource\_monitor\_register failed; return code = [dec]**

---

<b>Explanation</b>	The resource_monitor_register function reported an error trying toregister for RMI notifications.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---



---

**%HA\_EM-7-FMFD\_RM\_ATTACH : [chars]: could not attach resource manager funtions to event manager: [chars]**

---

<b>Explanation</b>	The event detector has failed to attach a Resource Manager to an Event Manager.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---



---

**%HA\_EM-7-FMFD\_SM\_PROC\_EXIT : [chars]: [chars]**

---

<b>Explanation</b>	The system manager failed to execute the default action of the terminated process.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---

**%HA\_EM-7-FMFD\_SNMP\_ADDR\_ILLEGAL : [chars]: Illegal SNMP address type**

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

**%HA\_EM-7-FMFD\_SNMP\_ADDR\_IPV6 : [chars]: SNMP IPV6 address is not supported**

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

**%HA\_EM-7-FMFD\_SNMP\_BUILD\_PDU\_FAILED : [chars]: SNMP build pdu failed**

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

**%HA\_EM-7-FMFD\_SNMP\_COMM\_FAIL : [chars]: Unable to create SNMP octet community string; string = [chars]**

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

**%HA\_EM-7-FMFD\_SNMP\_COMMUNICATE\_FAIL : [chars]: [chars] [chars]**

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

**%HA\_EM-7-FMFD\_SNMP\_ERRCODE : [chars]: [chars]**

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

---

**%HA\_EM-7-FMFD\_SNMP\_MAKE\_PDU\_FAILED : [chars]: SNMP make pdu failed**

---

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

---



---

**%HA\_EM-3-FMFD\_SNMP\_MIB\_OBJ\_REP\_FAIL : [chars]: SNMP MIB object info replace failed [dec]**

---

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

---



---

**%HA\_EM-7-FMFD\_SNMP\_MSG\_FAIL : [chars]: Unable to create a SNMP message; community = [chars]**

---

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

---



---

**%HA\_EM-4-FMFD\_SNMP\_NO\_OBJECT\_VALUE : [chars]: SNMP MIB object value not provided**

---

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

---



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**%HA\_EM-3-FMFD\_SNMP\_OBJECT\_UNKNOWN\_RESPONSE\_CODE : [chars]: Unknown SNMP object response code [dec]**

---

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

---



---

**%HA\_EM-7-FMFD\_SNMP\_OID\_INVALID : [chars]: Invalid SNMP oid length [dec]**

---

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

---

---

**%HA\_EM-7-FMFD\_SNMP\_OID\_MAKE\_FAIL : [chars]: Unable to build an oid string into a SNMP oid; oid = [chars]**

---

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

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

---



---

**%HA\_EM-7-FMFD\_SNMP\_REQ\_FAILED : [chars]: SNMP request failed**

---

**Explanation** The SNMP request has failed.

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

---



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**%HA\_EM-7-FMFD\_SNMP\_RESP\_CANCEL : [chars]: SNMP response cancelled**

---

**Explanation** The SNMP response has been cancelled.

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

---



---

**%HA\_EM-7-FMFD\_SNMP\_RESP\_ERROR : [chars]: SNMP response error; error\_status = [dec]**

---

**Explanation** The SNMP response has error.

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

---



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**%HA\_EM-7-FMFD\_SNMP\_RESP\_Q\_EMPTY : [chars]: SNMP proxy exec got event, but queue is empty**

---

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

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

---



---

**%HA\_EM-7-FMFD\_SNMP\_RESP\_TIMEOUT : [chars]: SNMP response has timed out**

---

**Explanation** The SNMP response has timed out.

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

---



---

**%HA\_EM-7-FMFD\_SNMP\_UNKNOWN\_TYPE : [chars]: Unknown SNMP operation or response type [dec]**

---

**Explanation** The operation or response type is unknown.

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---

**%HA\_EM-7-FMFD\_SNMP\_UNKNOWN\_TYPE : [chars]: Unknown SNMP operation or response type [dec]**

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

---

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**%HA\_EM-7-FMFD\_SNMP\_VARBIND\_FAIL : [chars]: Unable to create a SNMP varbind**

**Explanation** The oid failed to make into a SNMP varbind

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

---

---

**%HA\_EM-7-FMFD\_STATS\_VAL\_GET\_ERR : [chars]: [chars]**

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

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

---

---

**%HA\_EM-7-FMFD\_SYSDB\_BIND : [chars]: [chars]**

**Explanation** Failed to bind to SysDB.

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

---

---

**%HA\_EM-7-FMFD\_SYSDB\_GET : [chars]: [chars]**

**Explanation** Failed to retrieve an item from SysDB.

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

---

---

**%HA\_EM-7-FMFD\_SYSDB\_REG\_NOTIFY : [chars]: [chars]**

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

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

---

---

**%HA\_EM-7-FMFD\_TM\_CRTICK\_INIT : [chars]: [chars]**

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

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

---

**%HA\_EM-7-FMFD\_TM\_LEAF\_NEW : [chars]: could not create a leaf timer**

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

**%HA\_EM-3-FMFD\_TTY\_NUM : [chars]: Error occurred while fetching TTY number.**

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

**%HA\_EM-7-FMFD\_XDM\_DISPATCH\_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]**

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

**%HA\_EM-7-FMFD\_XDM\_WAIT\_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]**

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

**%HA\_EM-7-FMC\_APPL\_CBH\_PULSE : [chars]: Unable to locate application publish callback entry for pulse code [dec]**

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

**%HA\_EM-7-FMC\_APPL\_CBH\_SEND : [chars]: Unable to send response for FH\_MSG\_CALLBACK\_DONE [chars]**

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

---

**%HA\_EM-7-FMC\_CB\_CLOSE : [chars]: fh\_close failed [chars]**

---

**Explanation** The fh\_close function reported an error trying to initialize the internal callback connection.

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

---

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**%HA\_EM-7-FMC\_CB\_EV\_CREATE : [chars]: event\_manager\_create failed [chars]**

---

**Explanation** The event\_manager\_create function reported an error.

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

---

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**%HA\_EM-3-FMC\_CBH\_PROCESS\_CREATE : [chars]: callback handler process create failed for eid: [dec]**

---

**Explanation** The process\_create function reported an error trying to create the callback handler process.

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

---

---

**%HA\_EM-7-FMC\_CB\_INIT : [chars]:[dec] (thread:[dec]) fh\_init failed [chars]**

---

**Explanation** The fh\_init function reported an error trying to initialize the internal callback connection.

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

---

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**%HA\_EM-7-FMC\_CBS\_PT\_CREATE : [chars]: pthread\_create failed [chars]**

---

**Explanation** The pthread\_create function reported an error.

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

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**%HA\_EM-7-FMC\_ENQUEUE\_FAIL : [chars]: Unable to enqueue [chars];**

---

**Explanation** The enqueue function reported an error.

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

---

**%HA\_EM-3-FMC\_FH\_INIT : [chars]: fh\_init failed : [dec]**

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

**%HA\_EM-7-FMC\_INV\_REPLY : [chars]: Application client library unable to handle message receive.**

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

**%HA\_EM-7-FMC\_MALLOC : [chars]: Unable to allocate [chars];**

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

**%HA\_EM-7-FMC\_REG\_CBH\_PULSE : [chars]: Unable to locate reg callback entry for pulse code [dec]**

<b>Explanation</b>	The registration callback handler was unable to validate the pulse code received.
<b>Recommended Action</b>	The pthread_create function reported an error.

**%HA\_EM-7-FMC\_REG\_CBH\_SEND : [chars]: Unable to send response for FH\_MSG\_CALLBACK\_DONE [chars] [dec]**

<b>Explanation</b>	The registration callback handler was unable to send the FH_MSG_CALLBACK_DONE message to the Embedded Event Manager Server.
<b>Recommended Action</b>	The pthread_create function reported an error.

**%HA\_EM-7-FMC\_XDM\_DISPATCH\_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]**

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

---

**%HA\_EM-7-FMC\_XDM\_WAIT\_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]**

---

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

---



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**%HA\_EM-3-FMPD\_ACTION : [chars]: Error occurred while performing action: [chars].**

---

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

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**%HA\_EM-3-FMPD\_ACTION\_INFO : [chars]: Error occurred while fetching action information: [dec].**

---

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

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**%HA\_EM-3-FMPD\_ACTION\_NOTRACK : [chars]: unable to set state for tracking object number [int]; object does not exist or is not a stub-object.**

---

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

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**%HA\_EM-3-FMPD\_CHECKSUM\_MISMATCH : [chars]: file checksum mismatch**

---

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

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**%HA\_EM-3-FMPD\_CHKPT\_INIT : [chars]: could not register the application with the checkpointing server: [chars]**

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<b>Explanation</b>	Failed to register an application with the checkpointing server.
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**%HA\_EM-3-FMPD\_CHKPT\_INIT : [chars]: could not register the application with the checkpointing server: [chars]**

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

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---

**%HA\_EM-7-FMPD\_CHKPT\_ITERATE\_END : [chars]: call to chkpt\_iterate\_end returned unexpected failure.**

**Explanation** Failed to register an application with the checkpointing server.

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

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**%HA\_EM-7-FMPD\_CHKPT\_NULL\_PTR : [chars]: Got a null [chars] but non-null value was expected**

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

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

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**%HA\_EM-7-FMPD\_CHKPT\_TBL\_ADD : [chars]: could not save a record into a checkpointing table: [chars]**

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

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

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**%HA\_EM-3-FMPD\_CHKPT\_TBL\_INFO\_READ : [chars]: could not read the existing table information: [chars]**

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

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

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**%HA\_EM-3-FMPD\_CHKPT\_TBL\_INIT : [chars]: failed to initialize [chars]: [chars]**

**Explanation** Could not initialize a table with the checkpointing server.

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

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**%HA\_EM-3-FMPD\_CHKPT\_TBL\_RECOVER : [chars]: could not recover the checkpointed [chars]: [chars]**

**Explanation** Failed to recover a checkpointed table.

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**%HA\_EM-3-FMPD\_CHKPT\_TBL\_RECOVER : [chars]: could not recover the checkpointed [chars]: [chars]**

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

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**%HA\_EM-7-FMPD\_CHKPT\_TBL\_REMOVE : [chars]: could not delete a record from a checkpointing table: [chars]**

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

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

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**%HA\_EM-7-FMPD\_CHKPT\_TBL\_RESET : [chars]: could not reset a record in a checkpointing table: [chars]**

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

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

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**%HA\_EM-3-FMPD\_CLI\_CONNECT : Unable to establish CLI session: [chars]**

**Explanation** Unable to establish CLI session.

**Recommended Action**

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**%HA\_EM-3-FMPD\_CLI\_DISCONNECT : Error disconnecting from CLI session: [chars]**

**Explanation** An error occurred while disconnecting from the CLI session.

**Recommended Action**

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**%HA\_EM-3-FMPD\_CLI\_NOTTY : Error attempting to access an unopened CLI session: [chars]**

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

**Recommended Action**

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**%HA\_EM-3-FMPD\_CLI\_READ : Unable to read CLI response: [chars]**

**Explanation** Unable to read CLI response.

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**%HA\_EM-3-FMPD\_CLI\_READ : Unable to read CLI response: [chars]**

---

**Recommended  
Action**

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**%HA\_EM-3-FMPD\_CLI\_WRITE : Unable to send CLI command: [chars]**

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**Explanation** Unable to send CLI command.

**Recommended  
Action**

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**%HA\_EM-6-FMPD\_CONTEXT\_RETRIEVE : Failed to retrieve context for key [chars]: [chars]**

---

**Explanation** Failed to context retrieve variable information for event.

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

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**%HA\_EM-6-FMPD\_CONTEXT\_SAVE : Failed to save variable context for key [chars]: [chars]**

---

**Explanation** Failed to context save variable information for event.

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

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**%HA\_EM-4-FMPD\_DIRECTORY\_NOT\_EXIST : User policy directory [chars] could not be found on [chars]**

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

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

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**%HA\_EM-6-FMPD\_DIVIDE\_ZERO : Invalid operand in arithmetic division, cannot divide by zero**

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**Explanation** Arithmetic division does not allow divide by zero.

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

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**%HA\_EM-4-FMPD\_DSIG\_TYPE\_CHANGE : Cisco Signature not found or invalid. [chars] has been registered as a user policy.**

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**Explanation** Cisco Signature not found or invalid.

**Recommended Action** Sign with Cisco signature.

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**%HA\_EM-6-FMPD\_EEM\_CONFIG : [chars]: [chars]**

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

**Recommended Action** Check the EEM applet or policy configuration

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**%HA\_EM-6-FMPD\_EEM\_LOG\_MSG : [chars]**

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

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

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**%HA\_EM-3-FMPD\_ERROR : Error executing applet [chars] statement [chars]**

---

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

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

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**%HA\_EM-4-FMPD\_EVENT\_CREATE : [chars]: failed to create an event: [chars]**

---

**Explanation** Failed to create an Embedded Event Manager event.

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

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**%HA\_EM-4-FMPD\_EVENT\_REG : [chars]: failed to register an event: [chars]**

---

**Explanation** Failed to register an Embedded Event Manager event.

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

---

**%HA\_EM-7-FMPD\_EVENT\_TYPE : [chars]: unknown event type [dec]**

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

**%HA\_EM-3-FMPD\_EVM\_CREATE : [chars]: could not create event manager: [chars]**

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

**%HA\_EM-3-FMPD\_EVM\_EVENT\_BLOCK : [chars]: failed to block waiting for Event Manager events: [chars]**

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

**%HA\_EM-3-FMPD\_EXECUTE\_CALLBACK : [chars]: failed to execute callback**

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

**%HA\_EM-3-FMPD\_FH\_INIT : [chars]: could not initialize Embedded Event Manager service: [chars]**

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

**%HA\_EM-7-FMPD\_FILE\_CLOSE : [chars]: failed to close fd [chars] : [chars]**

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

**%HA\_EM-7-FMPD\_FILE\_DELETE : [chars]: failed to delete file: [chars] : [chars]**

<b>Explanation</b>	Failed to delete the given file.
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**%HA\_EM-7-FMPD\_FILE\_DELETE : [chars]: failed to delete file: [chars] : [chars]**

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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-7-FMPD\_FILE\_OPEN : [chars]: failed to open file [chars] : [chars]**

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<b>Explanation</b>	Failed to open the given file due to some internal error.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-7-FMPD\_FILE\_READ : [chars]: failed to read from fd [chars] : [chars]**

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<b>Explanation</b>	Failed to read from the given file descriptor due to some internal error.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-7-FMPD\_FILE\_WRITE : [chars]: failed to write to fd [chars] : [chars]**

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<b>Explanation</b>	Failed to write to the given file descriptor due to some internal error.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-7-FMPD\_FORMAT\_TIME : [chars]: error attempting to format time string**

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<b>Explanation</b>	Format time failure.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-3-FMPD\_GET\_PRIO : [chars]: failed to get process priority: [chars]**

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<b>Explanation</b>	Internal error. A call to get process scheduling priority failed.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-4-FMPD\_IPC\_GET\_PAK : [chars]: failed to allocate an IPC buffer**

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<b>Explanation</b>	Embedded Event Manager failed to allocate a buffer from IPC.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-3-FMPD\_IPC\_PORT\_CREATE : [chars]: failed to create an IPC port: [chars]**

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

**%HA\_EM-3-FMPD\_IPC\_PORT\_OPEN : [chars]: failed to open an IPC port: [chars]**

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

**%HA\_EM-3-FMPD\_IPC\_PORT\_REGISTER : [chars]: failed to register an IPC port: [chars]**

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

**%HA\_EM-4-FMPD\_IPC\_SEND\_MSG : [chars]: failed to send an IPC message: [chars]**

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

**%HA\_EM-7-FMPD\_LAST\_POLICY : [chars]: invalid last policy name replied [chars]**

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

**%HA\_EM-7-FMPD\_MEM\_ALLOC : Not enough memory ([dec] bytes)**

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

---

**%HA\_EM-4-FMPD\_NO\_ACTION : No action configured for applet [chars]**

---

**Explanation** No action has been configured for this applet.

**Recommended Action** Configure at least one action for this applet.

---

---

**%HA\_EM-7-FMPD\_NO\_CLOCK : [chars]: unable to read clock using clock\_gettime: [chars]**

---

**Explanation** The clock\_gettime function reported an error.

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

---

---

**%HA\_EM-3-FMPD\_NOEID : [chars]: No such event id found.**

---

**Explanation** An internal software error occurred.

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

---

---

**%HA\_EM-3-FMPD\_NOESID : [chars]: No such event spec id found.**

---

**Explanation** The Embedded Event Manager Policy Director could not find the eventfor the event spec. ID.

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

---

---

**%HA\_EM-4-FMPD\_NO\_EVENT : No event configured for applet [chars]**

---

**Explanation** No event has been configured for this applet.

**Recommended Action** Configure an event for this applet.

---

---

**%HA\_EM-7-FMPD\_NO\_MEM : [chars]: not enough memory: [chars]**

---

**Explanation** Allocating memory failed due to a low-memory condition.

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

---

---

**%HA\_EM-3-FMPD\_NO\_PROC : [chars]: Failed to create process**

---

**Explanation** The process create function reports an error

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**%HA\_EM-3-FMPD\_NO\_PROC : [chars]: Failed to create process**

<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-4-FMPD\_NOTAGNAME : [chars]: No tag [chars] found corresponding to this event publish.**

<b>Explanation</b>	The Embedded Event Manager policy director could not associate the tagname with a published event.
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<b>Recommended Action</b>	Only use tagnames in the action info type event reqinfo command which correspond to the published event.
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**%HA\_EM-6-FMPD\_OPERAND\_INVALID : Invalid operand in action, expected value within range %ld to %ld, received: [chars]**

<b>Explanation</b>	Arithmetic actions only accept valid long integer values.
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<b>Recommended Action</b>	Ensure value provided to action is long integer.
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**%HA\_EM-3-FMPD\_OVL\_NOTIF\_REG : [chars]: could not register for Version Manager notification: [chars]**

<b>Explanation</b>	An internal error was detected when registering for Version Manager notification.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-7-FMPD\_OVL\_SETUP\_ENV : [chars]: [chars]**

<b>Explanation</b>	Updating environment variables of the process according to system variables stored in sysdb failed.
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<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.
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**%HA\_EM-4-FMPD\_POLICY\_APPLY : Could not apply policy '[chars]': [chars]**

<b>Explanation</b>	A policy could not be applied. This message signaled an unsuccessful apply of the policy.
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<b>Recommended Action</b>	Remove the configuration for the policy (and commit), and then attempt to configure the registration of the same policy.
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---

**%HA\_EM-6-FMPD\_POLICY\_CHANGED : [chars]: registered policy [chars] changed by the last installation update**

---

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

---



---

**%HA\_EM-4-FMPD\_POLICY\_CONFIG\_INCONSISTENT : Policy '[chars]': [chars]**

---

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

---



---

**%HA\_EM-6-FMPD\_POLICY\_DELETED : [chars]: registered policy [chars] deleted by the last installation update**

---

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

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---

**%HA\_EM-7-FMPD\_POLICY\_HASH : [chars]: The hash computation routine reported an error; [chars]**

---

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

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**%HA\_EM-4-FMPD\_POLICY\_NOT\_EXIST : Policy file [chars] could not be found on [chars]**

---

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

---

---

**%HA\_EM-6-FMPD\_POLICY\_REG\_SUCC : [chars]: Policy '[chars]' registered successfully, by user [chars], with persist time [dec] and type [dec]**

---

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

**Recommended Action** None.

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**%HA\_EM-7-FMPD\_POLICY\_TBL\_REMOVE : [chars]: could not delete a record from a checkpointing table: [chars]**

---

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

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

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**%HA\_EM-4-FMPD\_POLICY\_TUPLE\_UNPACK : Failed to unpack\_tuple to get username (Err: [dec]) for [chars]**

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

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

---



---

**%HA\_EM-3-FMPD\_POLICY\_UNREG\_ERR : [chars]: could not unregister policy [chars]: [chars]**

---

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

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

---



---

**%HA\_EM-3-FMPD\_POLICY\_UNREGREG\_ERR : [chars]: could not replace policy [chars]: [chars]**

---

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

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

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---

**%HA\_EM-6-FMPD\_POLICY\_UNREGREG\_SUCC : [chars]: policy [chars] replaced successfully**

---

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

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**%HA\_EM-6-FMPD\_POLICY\_UNREGREG\_SUCC : [chars]: policy [chars] replaced successfully**

**Recommended Action**      None.

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**%HA\_EM-6-FMPD\_POLICY\_UNREG\_SUCC : [chars]: policy [chars] unregistered successfully**

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

**Recommended Action**      None.

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**%HA\_EM-3-FMPD\_PROCESS\_XML : [chars]: error processing xml buffer**

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

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

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---

**%HA\_EM-3-FMPD\_QUEUE\_INIT : [chars]: could not initialize queue**

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

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

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**%HA\_EM-7-FMPD\_REFRESHTIMER\_INIT : Failed to initialize a refresh timer ([chars]): [chars]**

**Explanation**      Failed to initialize a Embedded Event Manager refresh timer.

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

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**%HA\_EM-6-FMPD\_REGCOMP : Error compiling regular expression: [chars]**

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

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

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**%HA\_EM-3-FMPD\_REQINFO : [chars]: Error attempting to fetch event information: [chars].**

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

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**%HA\_EM-3-FMPD\_REQINFO : [chars]: Error attempting to fetch event information: [chars].**

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

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**%HA\_EM-3-FMPD\_SET\_INFO : [chars]: Error occurred while fetching variable information: [dec].**

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

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

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**%HA\_EM-3-FMPD\_SHM\_OPEN : [chars]: ERROR opening shared mem IDB**

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

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

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**%HA\_EM-3-FMPD\_SMTP : Error occurred when sending mail to SMTP server: [chars] : [chars]**

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

**Recommended Action**

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**%HA\_EM-3-FMPD\_SMTP\_SEND : Unable to send notification using all SMTP servers**

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

**Recommended Action**

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**%HA\_EM-6-FMPD\_SNMP\_DUP\_OID : [chars]: duplicate oid**

**Explanation** The oid is a duplicate

**Recommended Action** Check the EEM applet or policy configuration

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**%HA\_EM-6-FMPD\_SNMP\_NO\_VAR : [chars]: No variable [chars]**

**Explanation** The variable is not defined.

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**%HA\_EM-6-FMPD\_SNMP\_NO\_VAR : [chars]: No variable [chars]**

**Recommended Action**      Check the EEM applet or policy configuration

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**%HA\_EM-6-FMPD\_SNMP\_TRAPVAR\_ADD : [chars]: Error adding trapvar to queue [chars]**

**Explanation**            The trap variable was not added to the queue.

**Recommended Action**      Check the EEM applet or policy configuration

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**%HA\_EM-6-FMPD\_SNMP\_VARS\_EXCEEDED : [chars]: number of values exceeded [dec]**

**Explanation**            The number of values per variable exceeded the maximum

**Recommended Action**      Check the EEM applet or policy configuration

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**%HA\_EM-7-FMPD\_SWITCH\_FAIL : [chars]: The system is unable to switch to standby processor. Switchover cancelled.**

**Explanation**            Switchovers must occur when STANDBY is available and ready.

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

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**%HA\_EM-6-FMPD\_SWITCH\_HARDWARE : [chars]: Policy has requested a hardware switchover**

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

**Recommended Action**      None

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**%HA\_EM-7-FMPD\_SYSDB\_VERIFY\_REG : Could not register for SysDB verification: [chars]**

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

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

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**%HA\_EM-3-FMPD\_THREAD\_POOL : [chars]: [chars]**

**Explanation**            An internal error was detected while initialization of threadpool.

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**%HA\_EM-3-FMPD\_THREAD\_POOL : [chars]: [chars]**

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

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**%HA\_EM-3-FMPD\_UNKNOWN\_ENV : [chars]: could not find environment variable: [chars]**

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

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

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**%HA\_EM-3-FMPD\_UNKNOWNTYPE : [chars]: Unknown event type found in applet.**

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

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

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**%HA\_EM-6-FMPD\_UPDATE\_POLICY\_COPY : Policy update has copied [dec] bytes from [chars] to [chars]**

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

**Recommended Action**

---

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**%HA\_EM-6-FMPD\_UPDATE\_POLICY\_REGISTER : Policy update has successfully re-registered policy [chars]**

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

**Recommended Action**

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**%HA\_EM-6-FMPD\_UPDATE\_POLICY\_REGISTER\_FAIL : Policy update has failed to register policy [chars] [chars]**

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

**Recommended Action**

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**%HA\_EM-6-FMPD\_UPDATE\_POLICY\_UNREGISTER\_FAIL : Policy update has failed to unregister policy [chars] [chars]**

---

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

**Recommended Action**

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**%HA\_EM-3-FMPD\_WRONGTYPE : [chars]: Published event type does not match event spec.**

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

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

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**%HA\_EM-7-FMPD\_XDM\_DISPATCH\_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]**

---

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

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

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**%HA\_EM-7-FMPD\_XDM\_WAIT\_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]**

---

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

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

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**%HA\_EM-7-ACTION\_ADD\_PARSER : [chars]: Unable to add action [chars] command;**

---

**Explanation** Failed to add action command.

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

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**%HA\_EM-7-ACTION\_CNS\_AGENT\_UNAVAIL : [chars]: CNS Event Agent not available: [dec]**

---

**Explanation** The CNS Event Agent is currently not available.

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

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**%HA\_EM-7-ACTION\_CNS\_CLEAR\_RESTART : [chars]: Unable to clear restart callback;**

---

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

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**%HA\_EM-3-ACTION\_CNS\_OPEN\_FAIL : [chars]: Unable to open connection to CNS Event Agent: [dec]**

---

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

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**%HA\_EM-7-ACTION\_CNS\_SET\_RESTART : [chars]: Unable to set restart callback;**

---

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

---



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**%HA\_EM-7-ACTION\_ENQUEUE\_FAIL : [chars]: Unable to enqueue [chars];**

---

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

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**%HA\_EM-7-ACTION\_WB\_CREATE : [chars]: create\_watched\_boolean failed: [chars]**

---

<b>Explanation</b>	The create_watched_boolean function reported an error trying to createthe watched boolean.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-ACTION\_WB\_DELETE : [chars]: delete\_watched\_boolean failed: [chars]**

---

<b>Explanation</b>	The delete_watched_boolean function reported an error trying to delete the watched boolean.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_ASYNC\_ATTACH\_CHKPT : [chars]: Failed to attach to handle chkpt asynchronous events; [chars]**

---

**Explanation** The event\_pulse\_attach\_event function reported an error trying to attach the chkpt pulse handler.

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

---



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**%HA\_EM-7-FMS\_ASYNC\_ATTACH\_DEFAULT : [chars]: Failed to attach to handle default asynchronous events; [chars]**

---

**Explanation** The event\_pulse\_attach\_event function reported an error trying to attach the default pulse handler.

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

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**%HA\_EM-7-FMS\_CHKPT\_INIT : [chars]: could not register the application with the checkpointing server; [chars]**

---

**Explanation** Failed to register an application with the checkpointing server.

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

---



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**%HA\_EM-7-FMS\_CHKPT\_ITERATE\_END : [chars]: call to chkpt\_iterate\_end returned unexpected failure.**

---

**Explanation** Unexpected error when iterating over a checkpointing table.

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

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---

**%HA\_EM-7-FMS\_CHKPT\_NULL\_PTR : [chars]: Got a null [chars] when non-null value was expected**

---

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

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

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---

**%HA\_EM-7-FMS\_CHKPT\_TBL\_ADD : [chars]: could not add to the checkpointed [chars]: [chars]**

---

**Explanation** Failed to add a record to the checkpointed table.

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

---

**%HA\_EM-7-FMS\_CHKPT\_TBL\_INFO\_READ : [chars]: could not read the existing table information: [chars]**

<b>Explanation</b>	Failed to read the existing table information using checkpointing API.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_CHKPT\_TBL\_INIT : [chars]: failed to initialize [chars]: [chars]**

<b>Explanation</b>	Could not initialize a table with the checkpointing server.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_CHKPT\_TBL\_RECOVER : [chars]: could not recover for the checkpointed [chars]: [chars]**

<b>Explanation</b>	Failed to recover a record from the checkpointed table.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_CHKPT\_TBL\_REMOVE : [chars]: could not remove from the checkpointed [chars]: [chars]**

<b>Explanation</b>	Failed to remove a record from a checkpointed table.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_CHKPT\_TBL\_SAVE : [chars]: could not save to the checkpointed [chars]: [chars]**

<b>Explanation</b>	Failed to save a record to a checkpointed table.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_CHKPT\_TBL\_UNREG : [chars]: could not unregister the checkpointed table [chars]: [chars]**

<b>Explanation</b>	Failed to unregister a checkpointed table.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---

**%HA\_EM-3-FMS\_CNS\_FAIL : [chars]: Failed to perform CNS action: [chars]**

---

<b>Explanation</b>	The Embedded Event Manager failed attempting to send a CNS message.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_CREATE\_THREAD\_POOL : [chars]: Error reported by create\_thread\_pool function; [chars]**

---

<b>Explanation</b>	The create_thread_pool function reported an error while attempting to create the thread pool.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-3-FMS\_EMPTY\_QUEUE : [chars]: The I/O queue empty.**

---

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

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**%HA\_EM-3-FMS\_ENQUEUE\_FAIL : [chars]: The Unable to enqueue packet onto queue.**

---

<b>Explanation</b>	The queue is not in a state to handle enqueues.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_EVM\_CREATE : [chars]: event\_manager\_create failed; [chars]**

---

<b>Explanation</b>	The event_manager_create function reported an error trying to initialize the event manager.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---



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**%HA\_EM-7-FMS\_EVM\_EVENT\_BLOCK : An error occurred while waiting for an event: [chars]**

---

<b>Explanation</b>	The event infrastructure will ignore this error and continue to wait for the next event. If this error is seen repeatedly, the process may not be able to function and will need to be restarted.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---

**%HA\_EM-7-FMS\_FDC\_ALLOCATE : [chars]: Failed to allocate Event Detector context control block; [chars]**

<b>Explanation</b>	The get_fd function reported an error trying to allocate a Event Detector context control block.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_FDC\_OPEN : [chars]: Failed to open Event Detector context control block**

<b>Explanation</b>	The open_fd function reported an error trying to open a Event Detector context control block.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_GET\_NODE\_NAME : [chars]: platform\_get\_node\_name failed; [chars]**

<b>Explanation</b>	The platform_get_node_name function reported an error trying to obtain the node name.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_GET\_NODE\_STATE : Failed to get the current nodes state: [chars]**

<b>Explanation</b>	The call to get the nodes current state failed.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_GET\_PRIO : [chars]: Failed to get process priority; [chars]**

<b>Explanation</b>	The getprio function reported an error trying to obtain the default process priority.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_GUARD\_WORD\_VER : [chars]: [chars] guard word corrupted; [IPV6 address]**

<b>Explanation</b>	The guard word for the specified control block does not contain what is expected.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

---

**%HA\_EM-7-FMS\_INV\_ARG\_STRING : [chars]: Invalid argument string: [chars]**

---

<b>Explanation</b>	An invalid argument string was passed to the specified function.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_INV\_ENV\_STRING : [chars]: Invalid environment string: [chars]**

---

<b>Explanation</b>	An invalid environment string was passed to the specified function.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_KILL : [chars]: Unable to kill process [chars]; [chars]**

---

<b>Explanation</b>	The kill function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_KILL\_RUN : [chars]: Unable to kill run process [dec] for [chars]; [chars]**

---

<b>Explanation</b>	The kill function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-6-FMS\_LAST\_POLICY : [chars]: Cannot change a class [chars] [chars] to priority LAST. LAST is for default policies only**

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<b>Explanation</b>	Embedded Event Manager Scheduler Command can only change a default policy to priority LAST.
<b>Recommended Action</b>	The command is applicable to default policies only.

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**%HA\_EM-7-FMS\_MALLOC : [chars]: Unable to allocate [chars]; [chars]**

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

---

**%HA\_EM-7-FMS\_MISC\_ERR : [chars] ([chars])**

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

**%HA\_EM-6-FMS\_MODIFY\_LAST\_POLICY : [chars]: Cannot modify a LAST policy to class [chars]. LAST policies are for class default only.**

<b>Explanation</b>	Embedded Event Manager LAST policy is for default class only.
<b>Recommended Action</b>	The command is applicable to default policies only.

**%HA\_EM-6-FMS\_MODIFY\_POLICY : [chars]: unable to modify the policy to class [chars]: scheduling rule unavailable.**

<b>Explanation</b>	There is no scheduler rule configured to service this event class.
<b>Recommended Action</b>	Please configure a scheduler rule before modifying the event.

**%HA\_EM-7-FMS\_NO\_CLOCK : [chars]: unable to read clock using clock\_gettime: [chars]**

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

**%HA\_EM-4-FMS\_NO\_SCHED\_THREAD : No threads are configured to service event class [chars]**

<b>Explanation</b>	The Embedded Event Manager has no scheduler threads to service this event class.
<b>Recommended Action</b>	Track ED is not available in this image Configure threads for the event class using the 'event manager scheduler' command.

**%HA\_EM-3-FMS\_NO\_TRACK : keyword in the correlate statement is not supported in this image.**

<b>Explanation</b>	The Embedded Event Manager Track ED is not supported in this image.
<b>Recommended Action</b>	Track ED is not available in this image

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**%HA\_EM-7-FMS\_NULL\_SCRIPT\_NAME : [chars]: The script name is NULL**

---

<b>Explanation</b>	An invalid script name was passed as an argument into the specified function.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-3-FMS\_OPEN : [chars]: Unable to open [chars]; [chars]**

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<b>Explanation</b>	The open function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_OVL\_NOTIFY\_REG : [chars]: ovl\_notification\_register failed when registering to handle OVL notifications; [chars]**

---

<b>Explanation</b>	The ovl_register_notification function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_OVL\_SETUP\_ENV : [chars]: [chars]**

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<b>Explanation</b>	Updating environment variables of the process according to system variables stored in sysdb failed.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-3-FMS\_POLICY\_CHECKSUM : [chars]: Checksum error for policy [chars] - this policy will not be run**

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<b>Explanation</b>	The checksum computed for the specified policy does not match the original checksum computed when the policy was registered.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_POLICY\_EXEC : [chars]: Policy execution [chars]**

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<b>Explanation</b>	The Embedded Event Manager policy execution state has been changed to the state named in the message.
<b>Recommended Action</b>	

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**%HA\_EM-3-FMS\_POLICY\_HASH : [chars]: The hash computation routine reported an error; [chars]**

<b>Explanation</b>	The fh_hash_md5_fd() function reported the specified error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-3-FMS\_POLICY\_LOOKUP\_FAIL : [chars]: Failed to look up in the table the registration specification for policy [chars].**

<b>Explanation</b>	A table lookup for the registration specification for the policy failed.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

**%HA\_EM-7-FMS\_POLICY\_MAX\_ENTRIES : [chars]: Class [chars]: Maximum number of [dec] [chars] publish entries exceeded; some events have been discarded**

<b>Explanation</b>	An attempt to publish an event failed because there is no more room in the publish queue
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative

**%HA\_EM-6-FMS\_POLICY\_TIMEOUT : Policy '[chars]' has hit its maximum execution time of [dec].%9.9ld seconds, and so has been halted**

<b>Explanation</b>	The policy has exceeded its maximum execution time, and so has been halted part way through execution.If this policy is expected to take a long time to run, it may need to have 'maxrun_sec' added to the policy registration line (or its value increased if it is already specified).
<b>Recommended Action</b>	*NONE*

**%HA\_EM-3-FMS\_QUEUE\_INIT : [chars]: The Unable to initialize queue.**

<b>Explanation</b>	The queue cannot be initialized.An attempt to publish an event failed because there is no more room in the publish queue.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_REALLOC\_FAIL : [chars]: Unable to reallocate [chars]; [chars]**

---

<b>Explanation</b>	The realloc function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_REG\_NODE\_STATE\_CHANGE : Failed to register for node state changes: [chars]**

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<b>Explanation</b>	The call to register for node state changes failed.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-6-FMS\_RELOAD\_SYSTEM : [chars]: Policy has requested a system reload;**

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<b>Explanation</b>	An Embedded Event Manager policy requested that the system be reloaded.
<b>Recommended Action</b>	

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**%HA\_EM-6-FMS\_RUNNING\_POLICY : [chars]: cannot [chars] a running policy with jobid [dec].**

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<b>Explanation</b>	Embedded Event Manager Scheduler Command cannot change a running policy.
<b>Recommended Action</b>	The command is not applicable to a running policy.

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**%HA\_EM-7-FMS\_SPAWN : [chars]: Unable to spawn [chars]; [chars]**

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<b>Explanation</b>	The spawn function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_STRDUP : [chars]: Failed to duplicate string [chars]; [chars]**

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<b>Explanation</b>	The strdup function reported an error.
<b>Recommended Action</b>	Copy the message exactly as it appears, and report it your technical support representative.

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**%HA\_EM-7-FMS\_SWITCH\_FAIL : [chars]: The system is unable to switch to standby processor. Switchover cancelled.**

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<b>Explanation</b>	Switchovers must occur when STANDBY is available and ready.
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**%HA\_EM-7-FMS\_SWITCH\_FAIL : [chars]: The system is unable to switch to standby processor. Switchover cancelled.**

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

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**%HA\_EM-6-FMS\_SWITCH\_HARDWARE : [chars]: Policy has requested a hardware switchover**

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

**Recommended Action**

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**%HA\_EM-3-FMS\_SWITCH\_NOT\_RF\_ACTIVE : [chars]: This processor is not in ACTIVE state (state = [dec]). Switchover must be performed on ACTIVE processor.**

**Explanation** Switchovers must occur on ACTIVE unit, not STANDBY unit.

**Recommended Action**

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**%HA\_EM-7-FMS\_SYSLOG\_SCAN\_RESIGN : [chars]: Failed to unload Syslog FD DLL [chars]; return code=[dec]**

**Explanation** The syslog\_scan\_resign function reported an error trying to unload the specified Syslog Event Detector DLL library.

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

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**%HA\_EM-7-FMS\_SYSLOG\_SCAN\_SIGNUP : [chars]: Failed to load Syslog FD DLL [chars]; return code=[dec]**

**Explanation** The syslog\_scan\_signup function reported an error trying to load the specified Syslog Event Detector DLL library.

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

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**%HA\_EM-7-FMS\_SYSMGR\_RELOAD\_FM : [chars]: Failed to load Sysmgr FD DLL [chars]; return code=[dec]**

**Explanation** The sysmgr\_reload\_fh\_detector function reported an error trying to load the specified Sysmgr Event Detector DLL library.

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

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**%HA\_EM-7-FMS\_THREADPOOL\_MAX : Maximum number ([dec]) of callback events exceeded for [chars]; There is no available thread in the threadpool to service the event.**

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**Explanation** An attempt to schedule an event requiring a callback failed because there is no available thread in the threadpool.

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

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**%HA\_EM-7-FMS\_THREAD\_POOL\_START : [chars]: Error reported by thread\_pool\_start function; [chars]**

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**Explanation** The thread\_pool\_start function reported an error while attempting to start the thread pool.

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

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**%HA\_EM-7-FMS\_WB\_CREATE : [chars]: create\_watched\_boolean failed; [chars]**

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**Explanation** The create\_watched\_boolean function reported an error trying to createthe watched boolean.

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

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**%HA\_EM-7-FMS\_WDSYSMON\_RELOAD\_FM : [chars]: Failed to load WDSysMon FD DLL [chars]; return code=[dec]**

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**Explanation** The wd\_reload\_fh\_detector function reported an error trying to load the specified WDSysMon Event Detector DLL library.

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

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**%HA\_EM-7-FMS\_WQ\_CREATE : [chars]: create\_watched\_queue failed; [chars]**

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**Explanation** The create\_watched\_queue function reported an error trying to createthe watched queue.

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

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**%HA\_EM-7-FMS\_XDM\_DISPATCH\_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]**

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

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**%HA\_EM-7-FMS\_XDM\_DISPATCH\_FAIL : [chars]: XOS Dispatch Manager dispatch error: [dec]**

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

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**%HA\_EM-7-FMS\_XDM\_WAIT\_FAIL : [chars]: XOS Dispatch Manager wait error: [dec]**

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

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

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**%HA\_EM-7-FMS\_XOS\_DM\_EXECUTE : [chars]: Failed to attach a handler to process child process exit; [chars]**

**Explanation** The xos\_dm\_execute function reported an error trying to attach the handler to process child process exit.

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

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**HA\_PROXY**

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**%HA\_PROXY-3-PROXY\_IPC\_PAK\_ALLOC\_FAILED :**

**Explanation** Allocation of IPC packet failed.

**Recommended Action** LOG\_STD\_ACTION

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**%HA\_PROXY-2-HA\_SESSION\_ALLOC\_FAILED : [chars]: unable to allocate entry for [chars] binding**

**Explanation** HA could not allocate a control block to manage the service

**Recommended Action** LOG\_STD\_ACTION

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**%HA\_PROXY-2-HA\_FIND\_SERVICE\_FAILED : [chars]: unable to find [chars] service**

**Explanation** HA could not find the specified service

**Recommended Action** LOG\_STD\_ACTION

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**%HA\_PROXY-3-HA\_DUP\_SERVICE\_NAME : [chars]: Duplicate service name: [chars] on bind**

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<b>Explanation</b>	Duplicate service name on ha service bind
<b>Recommended Action</b>	LOG_STD_ACTION

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**%HA\_PROXY-3-HA\_DUP\_SERVICE\_INDEX : [chars]: Duplicate service index: [dec] on bind**

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<b>Explanation</b>	Duplicate service index on ha service bind
<b>Recommended Action</b>	LOG_STD_ACTION

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**%HA\_PROXY-3-HA\_INVALID\_REQUEST : [chars]: Unknown request: [dec]**

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<b>Explanation</b>	HA control services received unknown request
<b>Recommended Action</b>	LOG_STD_ACTION

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**%HA\_PROXY-3-HA\_MALFORMED\_PKT : Malformed packet bad [chars] [hex], MSGDEF\_LIMIT\_MEDIUM**

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<b>Explanation</b>	HA Sync packet was malformed, may not have been fully processed
<b>Recommended Action</b>	LOG_STD_ACTION

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**%HA\_PROXY-4-HA\_UNKNOWN\_SERVICE : Sync msg for unknown service [hex] rg [hex], MSGDEF\_LIMIT\_MEDIUM**

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<b>Explanation</b>	HA Sync received a message for an unknown service
<b>Recommended Action</b>	LOG_STD_ACTION

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**%HA\_PROXY-4-HA\_PKT\_ERROR : Error processing HA sync pkt, rg [hex], MSGDEF\_LIMIT\_MEDIUM**

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<b>Explanation</b>	HA Sync packet was dropped while processing
<b>Recommended Action</b>	LOG_STD_ACTION

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**HDLC****%HDLC-1-ISSU\_NOMEMORY : msgtxt\_nomemory**

<b>Explanation</b>	The requested operation could not be accomplished because of a low memory condition.
<b>Recommended Action</b>	Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**%HDLC-4-ISSU\_SENDFAILED : HDLC ISSU: send message failed, rc = [dec]**

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

**%HDLC-4-ISSU\_INCOMPATIBLE : hdlc-issu-compat: returned FALSE**

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

**%HDLC-4-ISSU\_XFORM : [chars]: failed, rc=[chars]**

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

**HFSLIB****%HFSLIB-3-HFSOPEN : Problem accessing the udev generated file: [chars]**

<b>Explanation</b>	No explanation.
<b>Recommended Action</b>	No action is required.

**%HFSLIB-3-HFSINOFIILED : Inotify failed to initialize : [chars]**

<b>Explanation</b>	This error occurs when the inotify sub-system is misbehaving
<b>Recommended Action</b>	No action is required.

**%HFSLIB-3-HFSINOWATCH : Inotify failed to add a watch: [chars]**

<b>Explanation</b>	This error occurs when the inotify sub-system is misbehaving
<b>Recommended Action</b>	No action is required.

**HL\_MGR****%HL\_MGR-3-AP\_MAPPING\_RESCHEDULE\_FAILED : Failed to schedule updating APs mapping for CMX [int].[int].[int].[int], please rejoin CMX to correctly push the Hyperlocation parameters.**

<b>Explanation</b>	Hyperlocation was interrupted while updating AP mapping and can not continue.
<b>Recommended Action</b>	Please rejoin CMX.

**%HL\_MGR-3-NEXTHOP\_OUTPUT\_INTERFACE\_NOT\_SVI : CMX [int].[int].[int].[int] is reachable through a routed port with MAC address [hex][hex].[hex][hex].[hex][hex]. This deployment configuration is not supported for Hyperlocation**

<b>Explanation</b>	CMX should be reachable via a SVI (VLAN) interface for traffic forwarding to be operational
<b>Recommended Action</b>	Please rejoin CMX.