

SNMP Messages

The following are Simple Network Management Protocol (SNMP) messages.

Error Message

```
%SNMP-3-AUTHFAIL: Authentication failure for SNMP req from host  
[dec].[dec].[dec].[dec]
```

Explanation An SNMP request was sent by the host at the address [dec].[dec].[dec].[dec], but the request PDU was not properly authenticated.

Recommended Action Make sure that the community and user name that are used in the SNMP request from the remote host have been configured on the router.

Error Message

```
%SNMP-3-BADOID: Attempt to generate an invalid object identifier
```

Explanation An attempt has been made to generate an object identifier that has fewer than two subidentifiers. A valid object identifier must contain at least two subidentifiers.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SNMP-3-BADVALUE: Maximum number of index supported is 20
```

Explanation An attempt has been made to generate an SNMP trap containing an MIB object whose instance identifier size has exceeded the maximum size. An SNMP trap contains some number of MIB objects, and the size of the instance identifier for these objects is restricted.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SNMP-5-COLDSTART: SNMP agent on host [chars] is undergoing a cold start
```

Explanation The SNMP server has undergone a cold start.

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

Error Message

%SNMP-3-CPUHOG: Processing [chars] of [chars]

Explanation SNMP has taken too much time to process a request.

Recommended Action If conditions warrant, use the **debug snmp packet** command to determine the contents of the SNMP request that is causing the message. Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP-4-NOENGINEID: Remote snmpEngineID for [IP_address] not found when creating user: [chars]

Explanation An attempt to create a user has failed. This condition likely has occurred because the engine ID of the remote agent or SNMP Manager was not configured.

Recommended Action Configure the remote snmpEngineID and reconfigure the user. If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP-4-NOFLASH: Reading snmpEngineBoots from flash failed

Explanation An attempt to read the snmpEngineBoots file from the Flash memory has failed. This condition most likely has occurred because the Flash memory card does not exist on the router. This message should appear only when the router is reloaded.

Recommended Action If a Flash memory card does not exist on the router, install a Flash memory card. If a Flash memory card exists already, its memory may be full. Erase the Flash memory and reload the router. If, after performing these steps, the problem persists, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP-3-TRAPBLOCK: Attempt to generate SNMP trap from a process with blocking disabled

Explanation During processing, a process with blocking disabled attempted to generate an SNMP trap that would block. A process that is configured this way is not allowed to use this function.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP-4-TRAPDROP: [chars]

Explanation An attempt was made to generate an SNMP trap, but the trap could not be sent. This condition most likely has occurred because the SNMP traps process is not running. More information will be given in the error message.

Recommended Action Use the **show process** command to determine whether the SNMP traps process is running. If the SNMP traps process is not running, reload the system. If, after reloading, the SNMP traps process is still not running, there may not be enough memory for it to run. If the steps described previously do not resolve the problem, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP-3-TRAPINTR: Attempt to generate SNMP trap from interrupt level

Explanation The code attempted to generate an SNMP trap during the processing of an interrupt. This function is not allowed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP-6-VIEWNAMELENGTH: Invalid view name length; truncated.

Explanation The SNMP agent generated a view length greater than that allowed by definition. The view name has been truncated to fit the defined maximum view name length.

Recommended Action Make sure your trap group and view names are set up appropriately. You can override the default settings with the **snmp-server group** command. Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP-5-WARMSTART: SNMP agent on host [chars] is undergoing a warm start

Explanation The SNMP server was restarted.

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

SNMP_MGR Messages

The following are Simple Network Management Protocol (SNMP) proxy messages.

Error Message

%SNMP_MGR-3-BADAGETIMER: Unexpected age timer found on session [hex]

Explanation The system has found an internal timer that should not be running.

Recommended Action Disable the SNMP Manager by entering the **no snmp-server manager** command. Then reenable the SNMP Manager by entering the **snmp-server manager** command. Entering these commands should effectively reset all of the internal structures. If entering this command sequence does not adequately resolve the problem, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-4-BADAUTHTYPE: Unsupported SNMP authorization type: [int]

Explanation The system has found an unknown SNMP authorization type. This condition may prevent the SNMP Manager from correctly sending and receiving SNMP messages to or from a particular SNMP agent.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-3-BADINFORMTRANSPORT: Unknown inform transport type: [chars]

Explanation The destination of the specified SNMP inform has used an unknown transport type. The inform notification cannot be sent to the specified destination.

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. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SNMP_MGR-3-BADOP: Unknown operation code [int]

Explanation An SNMP PDU that has been delivered to the SNMP Manager contains an unknown operation code.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-3-BADPDUTYPE: Received unknown PDU type: [int]

Explanation A PDU of an unknown type has been delivered to the SNMP Manager.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-4-BADRESPONSESTATUS: Unknown response status code: [int]

Explanation The SNMP Manager process has received an internal response with an unknown status code.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-3-BADTRANSPORT: Unknown transport type: [int]

Explanation A PDU from an unknown transport type has been delivered to the SNMP Manager.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-3-BADUSECOUNT: Corrupted use counter found on session [hex]

Explanation A cached SNMP session structure might have been corrupted.

Recommended Action Disable the SNMP Manager by entering the **no snmp-server manager** command. Then reenable the SNMP Manager by entering the **snmp-server manager** command. Entering these commands should effectively reset all of the internal structures. If entering this command sequence does not adequately resolve the problem, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-4-EMPTYQUEUE: Input queue is empty

Explanation The SNMP Manager process has received a notification to process its input queue, but the SNMP Manager process found the queue to be empty.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-3-MISSINGHOST: Cannot locate information on SNMP informs host:
[IP_address]

Explanation The system cannot locate configuration information about an SNMP informs host. The “informs destination” table entry for the specified SNMP cannot be found, and inform notifications will not be sent to this destination.

Recommended Action Enter the **show snmp host** and **show snmp** commands. Delete and readd the informs destination by entering the **snmp-server host** global configuration command to attempt to clear the condition. If entering this command fails to clear the condition, and you cannot determine the nature of the error from the error message text or from the **show snmp host** and **show snmp** command output, contact your Cisco technical support representative and provide the representative with the gathered information. Reloading the system may be necessary.

Error Message

%SNMP_MGR-4-NOCANCEL: Unable to cancel a previously sent inform request.

Explanation The number of unacknowledged inform requests issued has reached the configured maximum limit. To make resources available for sending out a new inform request, one of the older inform requests must be cancelled. The algorithm that is used to choose which inform request is the most appropriate one to cancel has failed to choose any. The new inform request will not be sent, and it will be dropped.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-3-NOPROC: Failed to create SNMP Manager process

Explanation The system was unable to initialize the SNMP Manager process. This condition is most likely due to a lack of memory.

Recommended Action Use the **show memory** command to examine the amount of available memory. If free memory is low, you may need to reconfigure or reload the system. Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SNMP_MGR-4-NOTENABLED: SNMP Manager not enabled (requested by [chars])

Explanation A Cisco IOS application is attempting to use the SNMP Manager services, but the SNMP Manager functionality has not been enabled.

Recommended Action Enter the **snmp-server manager** command in global configuration mode to enable SNMP Manager services. The Cisco IOS application that is requesting these services is specified in the message. Alternatively, if it is not necessary for the Cisco IOS application that is requesting these services to use SNMP Manager services, disable or reconfigure the specified application so that it no longer makes SNMP Manager requests.

Error Message

%SNMP_MGR-3-RESPDROP: Insufficient memory to handle response to request id [int]

Explanation An SNMP response PDU has been received from a Cisco IOS application. There is not enough memory available to cache the response and return it to the original requesting Cisco IOS application. If this was a transient problem, the original SNMP request will likely be resent, and another SNMP response will be returned and delivered to the original Cisco IOS application that made the request.

Recommended Action If this message recurs, you will be required to free up some memory for the SNMP Manager to function. Enter the **show memory** command to determine if the available memory is low. You may be required to reconfigure or reload the system to make more memory available. Alternatively, you can disable the SNMP Manager by entering the **no snmp-server manager** command.

Error Message

%SNMP_MGR-3-SESSIONINUSE: Attempt to destroy session [hex] that is still in use

Explanation An attempt has been made to remove a cached SNMP session structure, but the session is still in use and should not be removed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SNMP-STDBY Messages

The following are Simple Network Management Protocol Standby messages.

Error Message

%SNMP-STDBY-5-COLDSTART: Cold Start Trap

Explanation The sending protocol entity is re-initializing itself so the configuration of the agent or the protocol entity implementation might be altered.

Recommended Action Informational message only. No action is required.

SOI Messages

The following are Simple Network Management Protocol (SNMP) over interprocess communication (IPC) messages.

Error Message

```
%SOI-2-BADPXMCOMMUNITY: PXM's community string (length [dec]) was invalid. Limits are [dec] to [dec].
```

Explanation The system has received an invalid PXM community string.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SOI-2-BADPXMIPADDR: PXM's IP address (length [dec]) was invalid. Must be [dec].
```

Explanation The system has received an invalid PXM IP address.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SOI-2-BADPXMMESSAGE: Message from PXM had a type [dec] which is unknown.
```

Explanation The system has received an unknown message from the PXM.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SOI-2-PORTCREERR: Unable to create the SNMP Over IPC comm port [chars] to the PXM.
```

Explanation An attempt to create a communication port to the PXM has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SOI-2-PORTLOCERR: Unable to locate the SNMP Over IPC comm port [chars] to the PXM.

Explanation An attempt to locate an already open port to the PXM has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SOI-2-PORTOPENERR: Unable to open the SNMP Over IPC comm port [chars] to the PXM.

Explanation An attempt to open a communication port to the PXM has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SOI-2-PORTREGFAIL: SNMP Over IPC : IPC Port registry for port [chars] failed.

Explanation An SNMP over IPC request to register an IPC port has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SOI-2-QUEUCREATFAIL: Unable to create the SNMP over IPC watched queue.

Explanation An SNMP over IPC watched queue could not be created.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SONET Messages

The following are Synchronous Optical Network (SONET) messages.

Error Message

%SONET-4-ALARM: [chars]: [chars] [chars]

Explanation The specified SONET alarm has been declared or released.

Recommended Action Repair the source of the alarm.

Error Message

%SONET-3-ALARMTIMERFAIL: [chars]

Explanation The creation of an alarm timer monitor process 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. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SONET-3-APSCOMM: [chars]: [chars]

Explanation An APS error related to connectivity between the working and the protect routers has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SONET-3-APSCOMMEST: [chars]: Link to [chars] channel established - protocol version [dec]

Explanation APS has established connectivity between the working and protect routers.

Recommended Action This is an informational message only. No action is required.

Error Message

%SONET-3-APSCOMMLOST: [chars]: Link to [chars] channel lost

Explanation Connectivity between the working and protect routers has been lost. APS operation is able to continue in degraded mode.

Recommended Action Restore connectivity between the working and protect routers.

Error Message

%SONET-4-APSMM: APS mode mismatch - [chars]

Explanation A unidirectional/bidirectional mismatch has been detected by the APS system.

Recommended Action Match the router configuration with the provisioned circuit.

Error Message

%SONET-3-APSNCHN: APS Local request [dec] has no corresponding channel number

Explanation The APS software has malfunctioned.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SONET-3-APSNINTFC: APS No interfaces available for IP connection

Explanation APS requires an out-of-band path for interrouter communication.

Recommended Action Configure an out-of-band path for interrouter APS communication.

Error Message

%SONET-3-BADAUTH: APS Bad authentication from [IP_address],

Explanation The APS software has detected an unauthorized message. This message could result from improper configuration, unauthorized access, or packet corruption.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SONET-3-BADTCA: TCA signal [dec] is invalid

Explanation The TCA software has malfunctioned.

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. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SONET-3-BADTCATH: TCA threshold [int] is not supported

Explanation The specific TCA threshold is not supported.

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. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%SONET-3-BADVER: APS version mismatch; this system ver [dec]; other ver [dec] -  
msg rejected:
```

Explanation The APS software has detected an invalid version number in the hello message.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SONET-3-MISVER: [chars]: APS version mismatch.  
WARNING: Loss of Working-Protect link can deselect both  
protect and working interfaces. [chars] router requires  
software upgrade for full protection.
```

Explanation The APS software has detected that either the working or the protect router requires a software upgrade. APS operation can continue prior to the upgrade.

Recommended Action Upgrade the specified router.

Error Message

```
%SONET-3-NOBUFFER: No buffer available for sending APS message
```

Explanation No data buffer was available to send an APS message.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SONET-3-NOSOCKET: Unable to open socket
```

Explanation The APS system was unable to open a socket for communication purposes.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SONETMIB Messages

The following are Synchronous Optical Network (SONET) Management Information Base (MIB) messages.

Error Message

```
%SONETMIB-1-DELETE: could not delete interface, if_index=[dec]
```

Explanation The specified interface was not removed from the queue successfully.

Recommended Action No action is required.

Error Message

```
%SONETMIB-1-MALLOCNEW: Malloc failed for new interface=[dec]
```

Explanation The system was unable to allocate enough memory to create a SONET MIB structure for the new interface.

Recommended Action No action is required.

Error Message

```
%SONETMIB-3-NULLCFGPTR: NULL SONET MIB config pointer, if_index=[dec]
```

Explanation The system has attempted to initialize the SONET MIB using a NULL pointer.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SONICT Messages

The following are SONIC Ethernet interface-related messages.

Error Message

```
%SONICT-1-INITFAIL: Unit [dec], initialization timeout failure, csr[dec]=[hex]
```

Explanation A failure has occurred in the initialization sequence of the sonicT chip.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Enter the **show cont e0/0/x** command to gather data that may help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show cont e0/0/x** output, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SONICT-2-NOMEMORY: Unit [dec], no memory for [chars]

Explanation An operation could not be accomplished because of a low memory condition. The current system configuration, network environment, or possibly a software error might have exhausted or fragmented the system memory.

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

SPAN Messages

The following are Spanning Tree Protocol messages.

Error Message

%SPAN-4-DST_ALREADY_DST: Interface(s) [chars] already configured as monitor destinations in other monitor sessions

Explanation The specified interface or interfaces are already configured as a monitor destination in another monitor session and will be ignored. All other monitor destinations that are being configured are applied.

Recommended Action Choose a SPAN destination interface that is not a SPAN destination in any other SPAN session, or remove the SPAN destination configuration from another session before configuring it as a SPAN source interface.

Error Message

%SPAN-4-DST_ALREADY_SRC: Interface(s) [chars] already configured as monitor sources

Explanation The specified interface or interfaces are already configured as a monitor source in this or another monitor session and will be ignored. All other monitor destinations that are being configured are applied.

Recommended Action Choose a SPAN destination interface that is not a SPAN source in any SPAN session, or remove the SPAN source configuration before configuring it as a SPAN destination interface.

Error Message

%SPAN-4-FTR_ALREADY_SRC: Configuring filter VLANs [chars], but there are already source VLANs configured.

Explanation Filter VLANs are being configured, but source VLANs are already configured in the same monitoring session. Filter VLANs and source VLANs are not allowed to be configured at the same time.

Recommended Action Choose a SPAN filter VLAN that is not already a SPAN source VLAN, or remove the SPAN source VLAN configuration before configuring a SPAN filter VLAN.

Error Message

%SPAN-3-MEM_UNAVAIL: Memory was not available to perform the SPAN operation

Explanation The system was unable to perform a SPAN operation because of a lack of memory.

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

Error Message

%SPAN-4-RXOVFL: This platform allows a maximum of [dec] RX monitor interface(s)

Explanation The number of interfaces that are being monitored in the RX direction exceeds the maximum number allowed on this platform. All interfaces beyond the number allowed are ignored.

Recommended Action Be aware that not all interfaces requested to be configured were actually configured. Enter the **show monitor** command in EXEC mode to see which interfaces were actually configured.

Error Message

%SPAN-4-SRC_ALREADY_DST: Interface(s) [chars] already configured as monitor destinations

Explanation At least one interface that is being configured as a monitor source is ignored because it is already configured as a monitor destination in this or another monitor session. All other monitor destinations that are being configured are applied.

Recommended Action Choose a SPAN source interface that is not a SPAN destination in any SPAN session, or remove the SPAN destination configuration from the interface before configuring it as a SPAN source interface.

Error Message

%SPAN-4-SRC_ALREADY_FTR: Configuring source VLANs [chars], but there are already filter VLANs configured.

Explanation Source VLANs are being configured, but filter VLANs are already configured in the same monitoring session. Filter VLANs and source VLANs are not allowed to be configured at the same time.

Recommended Action Choose a SPAN source VLAN that is not already a SPAN filter VLAN, or remove the SPAN filter VLAN configuration before configuring a SPAN source VLAN.

Error Message

%SPAN-4-TXOVFL: This platform allows a maximum of [dec] TX monitor interface(s)

Explanation The number of interfaces being monitored in the TX direction exceeds the maximum number allowed on this platform. All interfaces beyond the number allowed are ignored.

Recommended Action Be aware that not all interfaces requested to be configured were actually configured. Enter the **show monitor** command in EXEC mode to see which interfaces were actually configured.

Error Message

%SPAN-3-UNKN_ERR: An internal error occurred during a SPAN operation.

Explanation SPAN has detected an error in its internal operation.

Recommended Action The error might be transient, and retrying the SPAN operation might be successful. If retrying the SPAN operation fails, the switch might need to be reloaded to complete the desired operation.

Error Message

%SPAN-3-UNKN_ERR_PORT: An internal error occurred when configuring SPAN on port [chars]

Explanation SPAN has detected an error in its internal operation.

Recommended Action The error might be transient, and retrying the SPAN operation might be successful. If retrying the SPAN operation fails, the switch might need to be reloaded to complete the desired operation.

SPANTREE Messages

The following are Spanning Tree messages.

Error Message

%SPANTREE-7-BLOCK_PORT_TYPE: Blocking [chars] on [chars]. Inconsistent port type.

Explanation The specified interface has an inconsistent port type and is being held in a spanning-tree blocking state until the port type inconsistency is resolved.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access or trunk). If the mode is trunk, verify that both interfaces use the same encapsulation (ISL or 802.1Q). When these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

Error Message

%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking [chars] on [chars]. Inconsistent local vlan.

Explanation The spanning-tree port with the specified spanning-tree instance and interface has a port VLAN ID inconsistency and will be held in spanning-tree blocking state until the port VLAN ID inconsistency is resolved. The specified spanning-tree instance is that of the native VLAN ID of the specified interface.

Recommended Action Verify that the configuration of the native VLAN ID is consistent on the interfaces on each end of the 802.1Q trunk connection. Once the configuration is corrected, spanning tree will automatically unblock the interfaces as appropriate.

Error Message

%SPANTREE-2-BLOCK_PVID_PEER: Blocking [chars] on [chars]. Inconsistent peer vlan.

Explanation The spanning-tree port with the specified spanning-tree instance and interface has a port VLAN ID inconsistency and will be held in spanning-tree blocking state until the port VLAN ID inconsistency is resolved. The specified spanning-tree instance is that of the native VLAN ID of the interface on the peer switch to which the specified interface is connected.

Recommended Action Verify that the configuration of the native VLAN ID is consistent on the interfaces on each end of the 802.1Q trunk connection. Once the configuration is corrected, spanning tree will automatically unblock the interfaces as appropriate.

Error Message

%SPANTREE-5-PORTDEL_FAILNOTFOUND: [dec]/[dec] in vlan [dec] not found ([chars])

Explanation The port passed for deletion was not found in the spanning tree database. [dec]/[dec] is the module number/port number, vlan [dec] is the VLAN number and ([chars]) is an identifier for the task that started the deletion.

Recommended Action This message is for bugging purposes only. No action is required.

Error Message

%SPANTREE-7-PORTDEL_SUCCESS: [chars] deleted from Vlan [dec]

Explanation The interface has been deleted from Vlan.

Recommended Action No action is required.

Error Message

%SPAN TREE-3-PORT_SELF_LOOPED: [chars] disabled.- received BPDU src mac ([enet]) same as that of interface

Explanation The source MAC address contained in a BPDU that was received on the specified interface matches the MAC address assigned to that interface. This indicates that a port may be looped back to itself. This condition might be caused by a diagnostic cable that is being plugged in. The interface will be administratively shutdown.

Recommended Action Check the interface configuration and any cable plugged into the interface. Once the problem is resolved, reenable the interface by entering the **no shutdown** command in interface configuration mode.

Error Message

%SPAN TREE-2-RECV_1Q_NON_1QTRUNK: Received 802.1Q BPDU on non 802.1Q trunk [chars] [chars].

Explanation The specified interface on which an SSTP BPDU was received was in trunk mode, but the specified interface was not using 802.1Q encapsulation.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access or trunk). If the mode is trunk, verify that both interfaces use the same encapsulation (ISL or 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

Error Message

%SPAN TREE-7-RECV_1Q_NON_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars].

Explanation An SSTP BPDU that was not operationally a trunk has been received on the specified interface.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access or trunk). If the mode is trunk, verify the same encapsulation (none, ISL or 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

Error Message

%SPAN TREE-2-RECV_BAD_TLV: Received SSTP BPDU with bad TLV on [chars] [chars].

Explanation The specified interface has received a SSTP BPDU that was missing the VLAN ID tag. The BPDU is discarded.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SPANTREE-2-RECV_PVID_ERR: Received BPDU with inconsistent peer vlan id [dec] on [chars] [chars].

Explanation The specified interface has received an SSTP BPDU that is tagged with a VLAN ID that does not match the VLAN ID on which the BPDU was received. This condition occurs when the native VLAN is not consistently configured on both ends of a 802.1Q trunk.

Recommended Action Verify that the configuration of the native VLAN ID is consistent on the interfaces on each end of the 802.1Q trunk connection. Once this inconsistency is corrected, spanning tree will automatically unblock the interfaces as appropriate.

Error Message

%SPANTREE-2-RX_PORTFAST: Received BPDU on PortFast enabled port. Disabling [chars].

Explanation A BPDU that has spanning-tree portfast enabled was received on the specified interface. Since the Spanning Tree BPDU Guard is also enabled, the interface is administratively shutdown.

Recommended Action Verify the configuration of portfast on the interface. If portfast behavior is desired, verify that the interface is connected to a host or router only and not to a bridge or a switch. After resolving the conflict, reenabling the interface by entering the **no shutdown** command in interface configuration mode.

Error Message

%SPANTREE-2-UNBLOCK_CONSIST_PORT: Unblocking [chars] on [chars]. Port consistency restored.

Explanation The Port VLAN ID and/or Port Type inconsistencies have been resolved. Spanning tree will now unblock the specified interface of the specified spanning-tree instance as appropriate.

Recommended Action No action is required.

SPANTREE_FAST Messages

The following are Spanning Tree Fast Convergence messages.

Error Message

%SPANTREE_FAST-7-PORT_FWD_UPLINK: [chars] [chars] moved to Forwarding (UplinkFast).

Explanation The specified interface has been selected as the new root port for the listed spanning-tree instance.

Recommended Action No action is required.

SPANTREE-SP

The following are Spantree SP messages.

Error Message

`%SPANTREE-SP-7-BLOCK_PORT_TYPE: Blocking [chars] on [chars]. Inconsistent port type`

Explanation The listed interface is being held in spanning tree blocking state until the port type inconsistency is resolved. [chars] is the port ID.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected are in the same mode (access or trunk). If the mode is trunk, verify that both interfaces have the same encapsulation (ISL or 802.1Q). Once these parameters are consistent, spanning tree automatically unblocks the interface as appropriate.

Error Message

`%SPANTREE-SP-7-RECV_IQ_NON_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars]`

Explanation An SSTP BPDU was received on the listed interface, which is not an operational trunking interface. [chars] is the interface ID.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected are in the same mode (access or trunk). If the mode is trunk, verify that both interfaces have the same encapsulation (none, ISL or 802.1Q). Once these parameters are consistent, spanning tree automatically unblocks the interface as appropriate.

Error Message

`%SPANTREE-SP-2-RECV_PVID_ERR: Received BPDU with inconsistent peer vlan id [dec] on [char] [char]`

Explanation The listed interface received an SSTP BPDU that is tagged with a VLAN ID that does not match the VLAN ID on which the BPDU was received. This condition occurs when the native VLAN is not consistently configured on both ends of an 802.1Q trunk. [dec] is the VLAN ID. The interface ID is [char].

Recommended Action Verify that the configuration of the native VLAN ID is consistent on the interfaces on each end of the 802.1Q trunk connection. Once the configuration is consistent, spanning tree automatically unlocks the interfaces.

SPANTREE_VLAN_SW Messages

The following are Spanning Tree VLAN Switch messages.

Error Message

```
%SPANTREE_VLAN_SW-2-MAX_INSTANCE: Number of STP instances has reach platform limit of [dec] instances. Unable to create the newly created instace since [chars] ( port [chars])
```

Explanation The number of currently active VLAN spanning tree instances has reached a platform-specific limit. No additional VLAN instances will be created until the number of existing instances drops below the platform limit. The message text shows the smallest VLAN number of those VLANs that are unable to have STP instances created.

Recommended Action Reduce the number of currently active spanning tree instances by either disabling some of the currently active spanning tree instances or deleting the VLANs associated with currently active spanning tree instances. You will have to manually enable the spanning trees that could not be created due to limited instances.

SPARC Messages

The following are Cisco 3800 SPARC coprocessor subsystem messages.

Error Message

```
%SPARC-3-DOWN: SPARC process is not responding, [chars]
```

Explanation The SPARC coprocessor subsystem is not responding to configuration commands. The SPARC coprocessor will be restarted automatically when this condition occurs. This is not a normal condition. Recurrence of the problem could indicate a hardware failure.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SPE Messages

The following are Service Processing Element (SPE) messages.

Error Message

```
%SPE-3-DDSM_REGISTRATION_ERR: Failed to register [chars] with Digital Data Service Manager
```

Explanation Port Management has failed to register with the Digital Data Service Manager.

Recommended Action No action is required.

Error Message

```
%SPE-6-FM_DUPLICATE_FIRMWARE: SPE [chars] - same configured & running  
ver([dec].[dec].[dec].[dec])!
```

Explanation The requested firmware image was not downloaded to the specified SPE because the firmware that was requested is already running on the SPE. Nevertheless, the requested firmware image is configured and will be visible in the output of the **show spe version** and **show running-config** commands.

Recommended Action No action is required.

Error Message

```
%SPE-3-MSMGR_REGISTRATION_ERR: Failed to register [chars] with Modem Service  
Manager
```

Explanation Port Management has failed to register with the Modem Service Manager.

Recommended Action No action is required.

Error Message

```
%SPE-6-NULL_OBJ: SPE object [chars] is unavailable.
```

Explanation Information about the specified SPE could not be retrieved. The SPE might not exist.

Recommended Action No action is required.

Error Message

```
%SPE-3-PM_DB_NO_MEM: Failed to allocate [chars] for slot [dec]
```

Explanation Port Management has failed to allocate memory to create a slot object.

Recommended Action No action is required.

Error Message

```
%SPE-3-PM_DIRECT_MODEM_QUERY_ERR: Failed to find the response buffer for modem  
[chars] command
```

Explanation Modem direct query responses could not find a buffer to send data to the router shelf.

Recommended Action No action is required.

Error Message

```
%SPE-3-PM_SLOT_NO_MODULES: Database reported 0 modules for slot [dec]
```

Explanation The card in this slot should contain multiple modules. However, the database indicates that the card in this slot contains no modules.

Recommended Action No action is required.

Error Message

%SPE-3-RECOVERY_DNLD_MAINT_NO_MEM: Recovery Download Maintenance ran out of chunk memory; [chars] [chars]

Explanation The recovery download maintenance messages cannot be sent.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SPE-6-SM_BUSIEDOUT: SPE [chars] busiedout(maintenance will be allowed)

Explanation The SPE is temporarily taken out of service. Maintenance activities can still be performed.

Recommended Action No action is required.

Error Message

%SPE-6-SM_CLEARED: SPE [chars] Cleared

Explanation The SPE will be redownloaded with the configured firmware.

Recommended Action No action is required.

Error Message

%SPE-3-SM_CRASHED: SPE [chars] crashed

Explanation The firmware running on the SPE has been aborted.

Recommended Action No action is required.

Error Message

%SPE-6-SM_DEFER_DOWNLOAD: SPE [chars] : Firmware download deferred

Explanation The firmware download for the SPE is postponed due to active calls.

Recommended Action No action is required.

Error Message

%SPE-3-SM_DOWNLOAD_FAILED: SPE [chars] is BAD - [chars].

Explanation The SPE has failed to download, and it will be marked as bad.

Recommended Action No action is required.

Error Message

%SPE-3-SM_EVENT_NO_MEM: SPE SM out of event buffers; [chars] [chars]

Explanation The PM SPE state machine has run out of event memory.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SPE-3-SM_POST_FAILED: SPE [chars] is BAD.

Explanation The SPE has failed the POST, and it will be marked as bad.

Recommended Action No action is required.

Error Message

%SPE-3-SM_RESPONSE_NO_MEM: SPE SM out of response buffers

Explanation The PM SPE state machine has run out of response event memory.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SPE-6-SM_SHUTDOWN: SPE [chars] shutdown

Explanation The SPE has been taken out of service. Maintenance activities cannot be performed.

Recommended Action No action is required.

Error Message

%SPE-6-SM_START_DOWNLOAD: SPE [chars] : Firmware download initiated

Explanation Firmware download for the SPE has been initiated.

Recommended Action No action is required.

Error Message

%SPE-4-SPE_ACT_SESS_WARN: Active session count = [dec]. Country code not set

Explanation The country code cannot be set on a system with active sessions.

Recommended Action No action is required.

Error Message

%SPE-4-SPE_CONFIG_WARN: Country Code Trunk card mismatch for.

Explanation A country code was configured that might not work with the trunk card.

Recommended Action No action is required.

Error Message

%SPE-6-SPE_DNLD_MAINT: [chars] [chars]

Explanation This message provides information about the download maintenance that is running.

Recommended Action This is an informational message only. No action is required.

Error Message

%SPE-6-SPE_DNLD_MAINT_PROCESS: [chars]

Explanation This message provides information about the download maintenance process.

Recommended Action This is an informational message only. No action is required.

Error Message

%SPE-3-ST_API_ERR: PM failed to create [chars].

Explanation Port Management has failed to initialize the CSM event processing component.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SPE-3-ST_EVENT_NO_MEM: PM ST failed to create [chars].

Explanation Port Management has failed to allocate dynamic chunk memory for event logging.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SRCP_APP Messages

The following are Simple Resource Coordination Protocol (SRCP) application messages.

Error Message

```
%SRCP_APP-6-DNS_QUEUE_FAILED: Failed to create DNS message watched queue\n
```

Explanation The system has failed to create a DNS message watched queue.

Recommended Action Check free memory size to ensure that there is enough memory to perform the requested operation. Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

```
%SRCP_APP-2-INTERNAL_CRITICAL: [chars]
```

Explanation *Unavailable.*

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%SRCP_APP-3-INTERNAL_ERROR: [chars]
```

Explanation *Unavailable.*

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%SRCP_APP-4-INTERNAL_WARNING: [chars]
```

Explanation *Unavailable.*

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SRCP_APP-6-PROCESS_CREATION_FAILED: Cannot create SRCP application process\n

Explanation The system has failed to create the SRCP application process.

Recommended Action Check free memory size to ensure that there is enough memory to perform the requested operation. Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

%SRCP_APP-6-SOCKET_OPEN_FAILED: Failed to open UDP port for SRCP\n

Explanation The system has failed to open a UDP port for the SRCP process.

Recommended Action Check if any other applications use the same UDP port number (2427).

Error Message

%SRCP_APP-6-SYS_QUEUE_FAILED: Failed to create SRCP system message watched queue\n

Explanation The system has failed to create an SRCP system message watched queue.

Recommended Action Check free memory size to ensure that there is enough memory to perform the requested operation. Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

SRP Messages

The following are Spatial Reuse Protocol (SRP) messages.

Error Message

%SRP-4-ALARM: [chars] Side [char] Keepalive [chars]

Explanation The specified network has a physical line error condition.

Recommended Action Diagnose and repair the physical error.

Error Message

%SRP-3-DUP_MAC_ADDR: [chars] : Duplicate mac addresses in topology

Explanation The topology contains one or more duplicate MAC addresses.

Recommended Action Identify the duplicate address and correct the configuration.

Error Message

%SRP-3-RING_ID_ERROR: [chars] : Rx side [chars], Tx side of fiber originates on side [chars]

Explanation The fiber on the specified side is remotely connected to the wrong side.

Recommended Action Verify that each side A is connected to side B and that each side B is connected to side A.

Error Message

%SRP-3-SINGLE_NODE_TOPO: [chars] : Single node in topology

Explanation The topology discovery has resulted in a single node being found.

Recommended Action This condition can be caused by duplicate MAC addresses. Identify the MAC address of the interface and ensure it is not duplicated on other nodes. If the node is in loopback, disregard this message.

SSE Messages

The following are silicon switching engine (SSE) messages.

Error Message

%SSE-3-BADMEMORY: SSE memory failure detected, orig [hex] [hex], tested [hex] [hex]

Explanation A memory error has occurred.

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

Error Message

%SSE-2-BOGUSEQ: SSE bogus equal branch [hex], [hex], [dec] [hex]

Explanation The data structures that are used by the SSE have an internal inconsistency.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SSE-3-COMPERR: SSE compilation failure -- [chars]

Explanation A software failure has occurred.

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

Error Message

%SSE-2-HUNG: SSE hung -- [chars]

Explanation The SSE has locked up.

Recommended Action Reboot the SSE.

Error Message

%SSE-2-HWFAILURE: SSE hardware failure -- [chars] code [hex]

Explanation A hardware error has occurred. This condition indicates an unexpected condition on the Silicon Switch Processor (SSP) board.

Recommended Action It might be necessary to replace the SSP. 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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SSE-2-MEMERROR: SSE memory failure, address [hex],\n expected [hex], got [hex]

Explanation A hardware error has occurred. This condition indicates a memory failure on the Silicon Switch Processor (SSP) board.

Recommended Action It might be necessary to replace the SSP. 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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SSE-2-NESTADDR: SSE nested addresses detected, protocol [dec] [IP_address]

Explanation The data structures used by the SSE have an internal inconsistency.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SSE-2-NOMATCH: SSE delete didn't end at a match node, type [char],value [dec], address [IP_address], bytecount [dec], high [dec], state [dec]

Explanation The data structures used by the SSE have an internal inconsistency.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SSE-2-NOMEMORY: No memory available for [chars]

Explanation An 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.

Error Message

%SSE-2-NOTZERO: program memory does not start at zero

Explanation A hardware error has occurred. This error indicates an unexpected condition on the Silicon Switch Processor (SSP) board.

Recommended Action It might be necessary to replace the SSP. 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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%SSE-2-SWFAILURE: SSE software failure -- [chars] [hex]
```

Explanation A software failure has occurred.

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

SSG Messages

The following are Service Selection Gateway (SSG) messages.

Error Message

```
%SSG-2-(-1): could not start process [chars]
```

Explanation The SSG subsystem could not start one of its processes.

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

Error Message

```
%SSG-4-CLEAR_SERVICE_ERR: Service Authorization Requests pending. Service ([chars]) will not be cleared
```

Explanation There are service authorization requests pending which will complete after an AAA response has been received.

Recommended Action Wait for the pending requests to be completed and retry the command.

Error Message

```
%SSG-2-INIT_FAIL: initialization failed for [chars]
```

Explanation The SSG has failed one of its initialization procedures.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SSG-2-NO_PROCESS: could not start process [chars]

Explanation SSG could not start one of its processes.

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

Error Message

%SSG-4-PARSER_ERR: invoking parser internally failed ([chars])

Explanation The parser has been invoked internally for some functionality. This failure may indicate an incorrect configuration.

Recommended Action Ensure that the configuration is correct.

Error Message

%SSG-2-PORT_FAIL: could not get UDP port (interface not ready)

Explanation SSG was not able to bind to a UDP port that SSG needs for RADIUS communication. This message indicates that the interface was not ready or was not correctly configured.

Recommended Action Ensure that the configuration is correct.

SSH Messages

The following are Secure Shell (SSH) Protocol messages.

Error Message

%SSH-4-DEATTACK: CRC-32 compensation attack detected src [IP_address] dst [IP_address], attack thwarted. Connection is closed.

Explanation A CRC-32 compensation attack has been detected. CRC-32 compensation vulnerability allows an attacker to execute arbitrary commands on the SSH server or otherwise subvert an encrypted SSH channel with arbitrary data. For more information on this attack, refer to the site <http://www1.corest.com/common/showdoc.php?idxseccion=10&idx=81>.

Recommended Action No action is necessary. The attack has been thwarted.

Error Message

%SSH-5-DISABLED: SSH [dec].[dec] has been disabled

Explanation The SSH protocol has been disabled for connections.

Recommended Action This is an informational message only. No action is necessary.

Error Message

%SSH-5-ENABLED: SSH [dec].[dec] has been enabled

Explanation The SSH protocol has been enabled for connections.

Recommended Action This is an informational message only. No action is necessary.

Error Message

%SSH-3-KEYPAIR: Attempt to generate server keys failed - error code: [chars]

Explanation A server RSA keypair could not be generated.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SSH-3-PRIVATEKEY: Unable to retrieve RSA private key for [chars]

Explanation An RSA private key does not exist or is corrupted.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SSI Messages

The following are SSI event messages.

Error Message

%SSI-3-CHUNKINVPTR: [chars]() The chunk pointer is invalid

Explanation An invalid or null chunk pointer has been passed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

**Note**

For more SSI messages, refer to the *MGX and SES Error Messages for Release 4* document at <http://www.cisco.com/univercd/cc/td/doc/product/wanbu/8850px45/rel4/error/mgx4err.pdf>.

SSI802 Messages

The following Channel Interface Processor (CIP) SSI802 messages are related to the Common Service System Service Interface (SSI) facility.

Error Message

```
%SSI802-6-DUMP: [chars]
```

Explanation This message is used by the dump utility to display the hex dump of storage.

Recommended Action No action is required.

Error Message

```
%SSI802-3-FATAL_ERROR: SSI_ASSERT failure in [chars] @ [int] - [chars]
```

Explanation The CSNA has encountered unrecoverable error conditions that prevent it from continuing normal operations.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SSI802-3-RTN_ADR: Return Address: [hex]
```

Explanation This is a debug feature to show the return address when an ASSERT operation is used in an inline function.

Recommended Action Refer to the recommended action from the subsequent error.

SSRP Messages

The following are SONET/SDH based SRP Double Wide PCI port adapter driver messages.

Error Message

```
%SSRP-2-TXERROR: SRP([dec]/[dec]), TX_ERROR Interrupt has occurred. Error Register=[hex]
```

Explanation A fatal error has occurred in the Tx PCI.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SSRP-2-TXERRORCAUSE: SRP([dec]/[dec]), TX_ERROR Interrupt cause :[chars]

Explanation This message describes the cause of the fatal error that occurred in the Tx PCI.

Explanation Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SSRP-3-UNSUPPORTED: [chars]\n

Explanation The SSRP hardware is not supported on this platform.

Recommended Action Upgrade the system to support the SSRP hardware.

SSSMGR Messages

The following are Subscriber Service Switching (SSS) Manager messages.

Error Message

%SSSMGR-3-BAD_CONTEXT_HANDLE: Corrupted SSS handle [[hex]] in SSS message.

Explanation An internal SSS Manager error has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SSSMGR-3-INVALID_FSM_STATE: Encountered an invalid SSS Mgr state [dec] in [chars]

Explanation An internal SSS Manager error has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SSSMGR-3-NULL_FSM_CONTEXT: Encountered a NULL SSS Mgr context in [chars]

Explanation The system has encountered a null context in the SSS Manager.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SSSMGR-3-NULL_INFO_STRING: Received a NULL info string value.

Explanation An internal SSS Manager error has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

STANDBY Messages

The following are Hot Standby Router Protocol (HSRP) messages.

Error Message

%STANDBY-3-BADAUTH: Bad authentication from [IP_address], remote state [chars]

Explanation Two routers that are participating in HSRP disagree about the valid authentication string.

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

Error Message

%STANDBY-3-DIFFVIP1: [chars] Group [dec] active routers virtual \n IP address [IP_address] is different to the locally configured \n address [IP_address]

Explanation The HSRP virtual IP address contained in the Hello message from the active router is different from the HSRP virtual IP address that is configured on the local router.

Recommended Action Check the configuration on all HSRP routers.

Error Message

%STANDBY-3-DUPADDR: Duplicate address [IP_address] on [chars], sourced by [enet]

Explanation The router has received an HSRP message on the interface. The IP address in the HSRP message is the same as the IP address of the router. This condition may be caused by a network loop, a misconfiguration, or a malfunctioning switch.

Recommended Action Ensure that there are no network loops. Check the configuration on all the HSRP routers. Ensure that any switches are configured correctly and functioning properly.

Error Message

```
%STANDBY-3-DUPVIP1: [chars] Group [dec] address [IP_address] is  
already assigned to [chars] group [dec]
```

Explanation The system cannot learn the HSRP virtual IP address contained in the hello message as the HSRP virtual IP address is already assigned to a different HSRP group.

Recommended Action Check the configuration on all HSRP routers.

Error Message

```
%STANDBY-3-DUPVIP2: [chars] Group [dec] address [IP_address] is  
already assigned on this interface
```

Explanation The system cannot learn the HSRP virtual IP address contained in the hello message as the HSRP virtual IP address is already assigned to this interface.

Recommended Action Check the configuration on all HSRP routers.

Error Message

```
%STANDBY-3-DUPVIP3: [chars] Group [dec] address [IP_address] is  
already assigned to, or overlaps with, an address on  
another interface or application
```

Explanation The system cannot learn the HSRP virtual IP address contained in the hello message as it is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Check the configuration on all HSRP routers.

Error Message

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

Explanation A software or hardware error has occurred.

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

Error Message

```
%STANDBY-3-NOSOCKET: Unable to open socket
```

Explanation The system was unable to initialize an IP connection for HSRP.

Recommended Action Ensure that there is at least one interface configured to run IP.

Error Message

```
%STANDBY-6-STATECHANGE: Standby: [dec]: [chars] state [chars] -> [chars]
```

Explanation The router has changed its state.

Recommended Action No action is required.

STRING Messages

The following are string database messages.

Error Message

```
STRING-DB-ERROR: Owner VPDN Session Type - Username no longer owns string with \  
name [chars], error count [dec]
```

Explanation Internal data structures relating to the String database encountered an error. This condition indicates an internal software error.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

STUN Messages

The following are serial tunnel (STUN) messages.

Error Message

```
%STUN-3-BADCONN: CONN: bad connection ([dec]), peer: [chars]
```

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%STUN-3-BADLENOP: [chars]: bad len or unknown op, op [dec], len [dec]
```

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%STUN-3-BADMAGIC: [chars]: wrong magic, mine [hex], theirs [hex] ([dec])
```

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%STUN-3-BADMAGICTCP: [chars]: peer [chars], wrong magic, mine [hex], theirs [hex]
```

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%STUN-3-BADPASSIVEOPEN: passive open from [IP_address]([dec]) -> [dec] failed
```

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%STUN-3-CONNILLSTATE: CONN: Peer [chars], illegal state [dec]
```

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%STUN-6-CONNOPENFAIL: CONN: peer [chars] open failed, [chars] [[int]]
```

Explanation An attempt to connect to a remote TCP STUN peer has failed.

Recommended Action Verify that the remote peer is accessible from this router, that it is running software capable of supporting STUN, and that it is configured correctly.

Error Message

%STUN-4-DUPROUTE: Cannot define duplicate route on the \n same group

Explanation This route command is defined on another interface that belongs to the same group. A duplicate route cannot be defined on the same group.

Recommended Action Consider defining a new group and moving this interface onto that group.

Error Message

%STUN-4-ERR: [chars]: [chars]: [chars], op [hex], len [dec]

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%STUN-2-NOBUF: Interface [chars], no buffer available to [chars]

Explanation A memory shortage existed at the time that the configuration command was issued. This condition is rare and is temporary under normal conditions.

Recommended Action Reconfigure the STUN group. Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration. If memory shortages recur, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%STUN-3-NOINPIDB: Input idb not set

Explanation A software or hardware error has occurred.

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

Error Message

%STUN-2-NOMEMORY: No memory available: [chars]

Explanation The requested operation has failed 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.

Error Message

%STUN-2-NOTGI: Please remove and redefine protocol group [dec]

Explanation An internal error has occurred because of an irregular configuration.

Recommended Action Remove and reconfigure the STUN protocol group. Record the configuration. Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%STUN-6-OPENED: [chars]: peer [chars] opened, [previous state [chars]]

Explanation A connection attempt to a remote peer has been completed successfully (OPENED, PASSIVE-OPEN) or is in the process of being opened (OPENING). This is normal behavior.

Recommended Action No action is required.

Error Message

%STUN-6-OPENING: CONN: opening peer [chars], [dec]

Explanation A connection attempt to a remote peer has been completed successfully (OPENED, PASSIVE-OPEN) or is in the process of being opened (OPENING). This is normal behavior.

Recommended Action No action is required.

Error Message

%STUN-6-PASSIVEOPEN: passive open [IP_address]([dec]) -> [dec]

Explanation A connection attempt to a remote peer has been completed successfully (OPENED, PASSIVE-OPEN) or is in the process of being opened (OPENING). This is normal behavior.

Recommended Action No action is required.

Error Message

%STUN-6-PEERSHUTDOWN: shutting down peer [chars] on [chars]

Explanation A connection to a remote peer is being shut down. This condition typically occurs because STUN was being reconfigured or disabled by the user. This is normal behavior.

Recommended Action No action is required.

Error Message

%STUN-4-PEERSTATE: Peer [chars], wrong state [dec] ([dec])

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%STUN-6-PROCEXIT: Process terminating. Due to signal [dec]. Subcode [dec]. Address [hex].

Explanation The STUN background process is terminating.

Recommended Action If this message appears while you are removing the configuration for STUN, no action is required. If this message appears at any other time, record all the displayed values and any other STUN messages, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%STUN-6-RECONNECT: PHDR: reconnect from peer [chars]

Explanation A remote peer has reestablished a connection to this router.

Recommended Action No action is required.

Error Message

%STUN-3-SENDPUNT: [chars]: sent [chars] to [chars]

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%STUN-3-SENDPUNTTCP: [chars]: sent [chars] to ([[int]])[IP_address]

Explanation An internal software error has occurred.

Recommended Action If this message recurs, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%STUN-6-TCPFINI: peer [chars] closed [previous state [chars]]
```

Explanation A remote peer has closed a STUN connection with this router. This condition can be caused by normal events (for example, reconfiguring the router).

Recommended Action Examine the other router to see why it closed this connection with this peer.

Error Message

```
%STUN-6-TCPPEERSHUT: [chars] [chars], [IP_address] ([dec])
```

Explanation This router has closed a STUN connection with a remote peer. This condition can be caused by normal events (for example, reconfiguring the router).

Recommended Action Examine this router to see why it closed this connection with this peer.

SUBSYS Messages

The following are software subsystems messages.

Error Message

```
%SUBSYS-2-BADCLASS: Bad subsystem class ([dec]) - ignoring subsystem
```

Explanation A software consistency check has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SUBSYS-2-BADSEQUENCE: Subsystem ([chars]) has cross-class sequence for ([chars])
```

Explanation A software consistency check has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

```
%SUBSYS-2-BADVERSION: Bad subsystem version number ([dec]) - ignoring subsystem
```

Explanation A software consistency check has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SUBSYS-2-MISMATCH: Kernel and subsystem version differ ([dec].[dec]) - ignoring subsystem

Explanation A software consistency check has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SUBSYS-2-NOTFOUND: Subsystem ([chars]) needs subsystem ([chars]) to start

Explanation A software consistency check has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SUBSYS-3-PAGEZERO: The [chars] class subsystem [chars] was being initialized.

Explanation In all Cisco products, the first 256 bytes of memory is unused and off limits. Newer platforms have hardware to immediately trap reads or writes to this area. Older platforms periodically perform checks on this memory. This message appears only on older platforms and indicates that this off-limits memory area has been modified.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SUBSYS-2-RECURSION: Maximum sequence depth exceeded ([dec]) by ([chars])

Explanation A software or hardware error has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SUNI_DUAL Messages

The following are Cisco 6100 messages.

Error Message

```
%SUNI_DUAL-3-LAIS: [chars] [chars] [chars] [chars] [chars]
```

Explanation An internal hardware or software failure has been detected on the terminating section.

Recommended Action Verify that the remote configuration or line status is valid. If you require more assistance, copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SW_VLAN Messages

The following are Virtual LAN (VLAN) manager messages.

Error Message

```
%SW_VLAN-4-BAD_PM_VLAN_COOKIE_RETURNED: VLAN manager unexpectedly received a bad  
PM VLAN cookie from the Port \n Manager, VLAN indicated: [dec]
```

Explanation The VLAN manager has received an upcall from the Port Manager containing a VLAN cookie that translated to a bad VLAN number.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%SW_VLAN-4-BAD_VLAN_CONFIGURATION_FILE: VLAN configuration file contained  
incorrect verification word: [hex]
```

Explanation The VLAN configuration file read by the VLAN manager did not begin with a correct value that would indicate a valid VLAN configuration file. It has been rejected.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-BAD_VLAN_CONFIGURATION_FILE_VERSION: VLAN configuration file contained unknown file version: [dec]

Explanation The VLAN configuration file read by the VLAN manager contained an unrecognized file version number. This message can indicate an attempt to regress to an older version of the VLAN manager software.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-BAD_VLAN_TIMER_ACTIVE_VALUE: Encountered incorrect VLAN timer active value: [chars]

Explanation Because of a software error, a VLAN timer was detected as active when it should have been inactive or inactive when it should have been active.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-IFS_FAILURE: VLAN manager encountered file operation error: call = [chars] / code = [dec] ([chars]) \n / bytes transfered = [dec]

Explanation The VLAN manager received an unexpected error return from a Cisco IOS file system call.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-NO_PM_COOKIE_RETURNED: VLAN manager unexpectedly received a null [chars] type cookie from the Port \n Manager, data reference: [chars]

Explanation The VLAN manager queried the Port Manager for a reference cookie but received a null pointer instead.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SW_VLAN-6-OLD_CONFIG_FILE_READ: Old version [dec] VLAN configuration file detected and read OK. Version [dec] \n files will be written in the future.

Explanation The VLAN software has detected an old version of the VLAN configuration file format. It was able to interpret the file with no problems, but it will create files using the new format in the future.

Recommended Action No action is required.

Error Message

%SW_VLAN-3-VLAN_PM_NOTIFICATION_FAILURE: VLAN Manager synchronization failure with Port Manager over [chars]

Explanation Because of a lack of ready pool space, the VLAN manager dropped a notification from the Port Manager as indicated by the message.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-VTP_INTERNAL_ERROR: VLAN manager received an internal error [dec] from vtp function [chars]: [chars]

Explanation An unexpected error code was received by the VLAN Manager from the VTP configuration software.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-VTP_INVALID_DATABASE_DATA: VLAN manager received bad data of type [chars]: value [dec] from vtp database \n function [chars]

Explanation Invalid data was received by the VLAN Manager from a VTP configuration database routine.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-VTP_INVALID_EVENT_DATA: VLAN manager received bad data of type [chars]: value [dec] while being called \n to handle a [chars] event

Explanation Invalid data was received by the VLAN Manager from the VTP configuration software.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SW_VLAN-6-VTP_MODE_CHANGE: VLAN manager changing device mode from [chars] to [chars].

Explanation Some switch devices must automatically change VTP device modes upon receipt of a VLAN configuration database containing more than a set number of VLANs. The maximum number of VLANs is dependent on the device. This message indicates that such a spontaneous conversion has occurred, what the previous mode was, and what the current mode is.

Recommended Action No action is required.

Error Message

%SW_VLAN-3-VTP_PROTOCOL_ERROR: VTP protocol code internal error: [chars]

Explanation VTP protocol code has encountered an unexpected error while processing a configuration request, packet, or timer expiration.

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 might help identify the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** command output, contact your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%SW_VLAN-4-VTP_USER_NOTIFICATION: VTP protocol user notification: [chars]

Explanation The VTP protocol code has encountered an unusual diagnostic situation.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SW56 Messages

The following are switch 56K messages.

Error Message

%SW56-3-ERR_MSGQ: [chars]

Explanation The system has failed to send a message to the internal software process.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SW56-1-INITSYS: [chars]

Explanation The SW56 initialization has failed. This condition is most likely caused by a lack of memory.

Recommended Action The amount of memory available in the router may not be sufficient. Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SWEPA Messages

The following are software encryption and key management messages.

Error Message

%SWEPA-6-EPA_EXP_RUNNING: Exp Running

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWEPA-6-EPA_EXP_TIMER_EXPIRED: Exp Timer Expired!

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWEPA-6-FAILED_TO_ALLOCATE_ENCRYPT_QUE: Failed to allocate the encrypt queue.

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWEPA-6-FAILED_TO_START_DES_PROCESS: Failed to start DES process

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWEPA-6-FAILED_TO_START_EXP_PROCESS: Failed to start EXP process

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWEPA-6-INIT_SW_EPA_IDB: Init swepa idb start ...

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWEPA-6-START_DES_PROCESS: DES process start ...

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWEPA-6-START_EXP_PROCESS: EXP process start ...

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

SWITCH Messages

The following are switch interface messages.

Error Message

%SWITCH-1-NOMEMORY: Unit [dec], no memory for [chars]

Explanation The CPU has been unable to access the memory it needs to carry out its functions. This condition might be caused by a large network that requires a lot of memory for routing tables. This condition might also be caused by a router configuration that has many features enabled because each feature requires a certain amount of memory. This condition might also be caused by a software error (for example, a memory leak).

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

SWITCH_IF Messages

The following are Switch Interface subsystem messages.

Error Message

%SWITCH_IF-5-CONFIGNOT: The Switch Control Interface is not configurable

Explanation An attempt was made to configure the switch control interface. The switch control interface is for system use only and cannot be configured.

Recommended Action No action is required.

Error Message

%SWITCH_IF-3-DICK_TRACY: [chars]

Explanation *Unavailable.*

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-ESYSFAIL: Portmaker ESYS failure, device [chars] command [chars]

Explanation A PortMaker-related failure has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-FATALLCVPT: Fatal error event on i/f ([chars]) reason: [chars]

Explanation An internal LC fatal event has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-INTERNAL: Switch Interface internal error, [chars] [chars] [dec]

Explanation An internal switch interface error has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-INTERNALCMD: Switch interface command internal error, [chars] [dec] [dec]

Explanation An internal switch interface command error has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-INTERNALEVT: Switch Interface Event internal error, [chars] [dec] [dec]

Explanation An internal switch interface event error has occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-MIBINITFAIL: Sonet MIB initialization failed, [chars] [dec]

Explanation The MIB initialization for SONET has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-SARCMDFAIL: SAR command failed, [chars], t/f: [dec], Id: [hex], cmd: [chars], status: [hex]

Explanation Communication between the SAR and host has been broken. Either the SAR or the PCI interface is not responding to commands.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-SARCMDTIMEOUT: SAR command timeout, device [chars], command [chars]

Explanation A SAR command has timed out for the switch interface.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-SARDEVMISMATCH: [chars], device [chars], expected [hex] or [hex], actual [hex]

Explanation SAR device version mismatch.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-SARINITFAIL: SAR initialization failed, device [chars] [chars] stats [hex]

Explanation SAR initialization for the switch interface has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-3-SARMISMATCH: [chars], device [chars], expected [hex], actual [hex]

Explanation A microcode version mismatch has occurred for the device specified in the error message.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message

%SWITCH_IF-4-SUBIFNOSHUT: Sub-interface Switch1.[dec], changed state to up.

Explanation The subinterface has changed its state to active.

Recommended Action No action is required.

Error Message

%SWITCH_IF-4-SUBIFSHUT: Sub-interface Switch1.[dec], changed state to administratively down.

Explanation The subinterface has changed its state to being inactive.

Recommended Action No action is required.

Error Message

%SWITCH_IF-4-UNSUP: Interface ([chars]): unsupported feature: [chars]

Explanation The feature specified in the error message is not supported by RPM-XF.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, contact your Cisco technical support representative, and provide the representative with the gathered information.