



CHAPTER 2

Message and Recovery Procedures

This chapter describes the Catalyst 3750-X, 3750-E, 3560-X, and 3560-E system messages in alphabetical order by facility. Within each facility, the messages are listed by severity levels 0 to 7: 0 is the highest severity level, and 7 is the lowest severity level. Each message is followed by an explanation and a recommended action.



Note

The messages listed in this chapter do not include the hostname or the date/time-stamp designation that appears only if the software is configured for system log messaging.

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ACLMGR Messages

Error Message ACLMGR-2-NOMAP: Cannot create ACL Manager data structures for VLAN Map [chars].

Explanation The ACL manager could not allocate the data structures needed to describe a VLAN map into a form that can be loaded into hardware. This error is most likely caused by lack of free memory. [chars] is the VLAN map name.

Recommended Action Reduce other system activity to ease memory demands.

Error Message ACLMGR-2-NOVLB: Cannot create memory block for VLAN [dec].

Explanation The ACL manager could not save per-VLAN information needed for its correct operation. Some per-interface features, such as access groups or VLAN maps, will not be configured correctly. [dec] is the VLAN ID.

Recommended Action Use a less complicated configuration that requires less memory.

Error Message ACLMGR-2-NOVMR: Cannot generate hardware representation of access list [chars]

Explanation Available resources are not sufficient to create a hardware representation of the ACL. A lack of available logical operation units or specialized hardware resources can cause this problem. Logical operation units are needed for a TCP flag match or a test other than **eq** (**ne**, **gt**, **lt**, or **range**) on TCP, UDP, or SCTP port numbers.

Recommended Action Modify the ACL configuration to use fewer resources, or rename the ACL with a name or number that alphanumerically precedes the other ACL names or numbers.

Error Message ACLMGR-3-ACLTCAMFULL: Acl Tcam Full. Drop packets on Output Acl label [dec] on [chars] [chars].

Explanation The platform-specific TCAM cannot support the number of configured ACLs. [dec] is the label number, and [chars] is the layer. The first [chars] is for Layer 3, and the second [chars] is for Layer 2. If only the Layer 2 or Layer 3 hardware table is full, only one string appears, and the other string is *NULL*.

Recommended Action Reduce the number of IP or MAC access lists to be applied to interfaces.

Error Message ACLMGR-3-AUGMENTFAIL: Augmenting of access-map [chars] on [chars] label [dec] failed.

Explanation The system ran out of CPU DRAM when trying to merge internally required elements with the configured access maps. The first [chars] is the access-map name, the second [chars] is the direction in which the map was applied (*input* or *output*), and [dec] is the label number.

Recommended Action Reduce other system activity to ease memory demands.

Error Message ACLMGR-3-IECPORTLABELERROR: ACL labels are out-of-sync on interface [chars], label [dec] is not available on ASIC [dec].

Explanation An internal software error has occurred. [chars] is the interface name. The first [dec] is the label associated with the ACL, and the second [dec] is the ASIC number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message ACLMGR-3-INSERTFAIL: Insert of access-map [chars] #[dec] into [chars] label [dec] failed.

Explanation The system ran out of CPU memory when trying to merge sections of an access map. The first [chars] is the map name, and the second [chars] is the direction (incoming or outgoing) in which the map was applied. The first [dec] is the entry number, and the second [dec] is the label number.

Recommended Action Reduce other system activity to ease memory demands. For example, remove any ACLs that have been defined but not used. Use simpler ACLs with fewer access control entries (ACEs). Use fewer VLANs, and remove any unneeded VLANs from the VLAN database.

Error Message ACLMGR-3-INTTABLE: Not in truth table: VLMAP [dec] RACL [dec] Mcb [dec] Feat [dec].

Explanation An unrecoverable software error occurred while trying to merge the configured input features. [dec] are internal action codes.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message ACLMGR-3-MAXRECURSION: Too many ([dec]) levels of recursion while merging ACLs (code [dec]).

Explanation The configuration is too complicated for the platform-specific ACL merge code to support. The most likely cause is too many separate access lists in a single VLAN map or policy map. The first [dec] is the number of levels of recursion. The second [dec] is an internal code number of the merge stage that encountered the problem.

Recommended Action Reduce the number of IP or MAC access lists (considered separately) in any one VLAN or policy map to fewer than the number of levels reported by this log message.

Error Message ACLMGR-3-MERGEFAIL: [chars] ACL merge error [dec] ([chars]) on [chars] label [dec].

Explanation The ACL manager could not complete the merge of the configured features into a form suitable for loading into the hardware. Packets potentially affected by this feature will be sent to the CPU for processing. The most likely cause is specifying an ACL that is too large or too complex for the system. The first [chars] is the ACL-type error (*ip* or *mac*), the first [dec] is the error code, the second [chars] is the message string for the preceding error code, the second [dec] is the label number, and the third [chars] is either *input* or *output*.

Recommended Action Specify a smaller and less complicated configuration.

Error Message ACLMGR-3-NOLABEL: Cannot allocate [chars] label for interface [chars].

Explanation The ACL manager could not allocate a label for the features on this interface. This means that the hardware cannot be programmed to implement the features, and packets for this interface will be filtered in software. There is a limit of 256 labels per direction. The first [chars] is the direction (*input* or *output*), and the second [chars] is the interface name.

Recommended Action Use a simpler configuration. Use the same ACLs on multiple interfaces, if possible.

Error Message ACLMGR-3-OUTTTABLE: Not in truth table: RACL [dec] VLMAP [dec].

Explanation A software error occurred while trying to merge the configured output features. The first and second [dec] are the internal action codes.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message ACLMGR-3-PACLTTABLE: Not in truth table: IPSrcGrd [dec] PACL [dec].

Explanation A software error occurred while trying to merge the configured port ACL features. The first [dec] is the action specified by IP source guard, and the second [dec] is the action specified by the port ACL.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message ACLMGR-3-QOSTTABLE: Not in truth table: ACL [dec] in map, action [dec].

Explanation A software error occurred while trying to merge a quality of service (QoS) policy map. The first [dec] is the ACL number, and the second [dec] is the action corresponding to the specified ACL number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message ACLMGR-3-RELOADED: Reloading [chars] label [dec] feature.

Explanation The ACL manager can now load more of the configured features on this label into the hardware. One or more features had previously been unloaded because of lack of space. [chars] is the direction (*input* or *output*), and [dec] is the label number.

Recommended Action No action is required.

Error Message ACLMGR-3-UNKNOWNACTION: Unknown VMR access group action [hex].

Explanation An internal software error has occurred. [hex] is an internal action code.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the “[Error Message Traceback Reports](#)” section on page 1-7.

Error Message ACLMGR-3-UNLOADING: Unloading [chars] label [dec] feature.

Explanation The ACL manager could not load the complete configuration into the hardware, so some features will be applied in the software. Some or all of the packets in a VLAN are forwarded by the CPU. Multicast packets might be dropped entirely instead of being forwarded. [chars] is the direction (*input* or *output*), and [dec] is the label number.

Recommended Action Use a simpler configuration. Use the same ACLs on multiple interfaces, if possible.

Error Message ACLMGR-4-UNLOADINGFSPAN Unloading[chars]session[dec][chars]feature

Explanation The ACL manager cannot store the flow-based Switched Port Analyzer (FSPAN) configuration, and this feature has been temporarily disabled for the specified session. The first [chars] is the type of FSPAN session: either *vlan-based FSPAN* for a VLAN FSPAN session or *port-based FSPAN* for a port FSPAN session. [dec] is the session number, and the second [chars] is the type of traffic being filtered: *MAC, IPv4, or IPv6*.

Recommended Action Specify an Switch Database Management (SDM) template that allocates more system resources for ACLs, simplify the ACL, or use the same ACLs on multiple interfaces.

Error Message ACLMGR-4-RELOADEDFSPAN Reloading [chars] session [dec] [chars] feature

Explanation The ACL manager can store the flow-based SPAN configuration for the specified session. One or more ACLs had previously been unloaded because of lack of hardware memory. The first [chars] is the type of FSPAN session: either *vlan-based FSPAN* for a VLAN FSPAN session or *port-based FSPAN* for a port FSPAN session. [dec] is the session number, and the second [chars] is the type of traffic being filtered: *MAC, IPv4, or IPv6*.

Recommended Action No action is required.

AUTHMGR Messages

Error Message AUTHMGR-5-SECURITY_VIOLATION: Security violation on the interface [chars], new MAC address ([enet]) is seen. AuditSessionID [chars]

Explanation A host on the interface attempted to gain access to the network or attempted to authenticate. The interface mode does not support the number of hosts that are attached to the interface. This is a security violation, and the interface has been error disabled. The first [chars] is the interface, [enet] is the Ethernet address of the host, and the second [chars] is the session ID.

Recommended Action Make sure that the interface is configured to support the number of attached hosts. Enter the **shutdown** interface configuration command followed by **no shutdown** interface configuration command to restart the interface.

Error Message AUTHMGR-5-VLANASSIGN: VLAN [dec] assigned to Interface [chars] AuditSessionID [chars]

Explanation A VLAN was assigned. [dec] is the VLAN ID, the first [chars] is the interface, and the second [chars] is the session ID.

Recommended Action No action is required.

Error Message AUTHMGR-7-FAILOVER: Failing over from [chars] for client ([chars]) on Interface [chars] AuditSessionID [chars]

Explanation The authorization manager is failing over from the current authentication method to another method. The first [chars] is the current authentication method, the second [chars] is the client ID, the third [chars] is the interface, and the fourth [chars] is the session ID.

Recommended Action No action is required.

Error Message AUTHMGR-7-NOMOREMETHODS: Exhausted all authentication methods for client ([chars]) on Interface [chars] AuditSessionID [chars]

Explanation All available authentication methods have been tried for the client, but authentication has failed. The first [chars] is the client ID, the second [chars] is the interface, and the third [chars] is the session ID.

Recommended Action No action is required. If local authorization has been configured, the port is authorized based on the local authorization method. Otherwise, authentication restarts according to the configured reauthentication period.

Error Message AUTHMGR-7-RESULT: Authentication result [chars] from [chars] for client [chars] on Interface [chars] AuditSessionID [chars]

Explanation The results of the authentication. The first [chars] is the status of the authentication, the second [chars] is the authentication method, the third [chars] is the client ID, the fourth [chars] is the interface, and the fifth [chars] is the session ID.

Recommended Action No action is required.

BACKUP_INTERFACE Messages

Error Message BACKUP_INTERFACE-5-PREEMPT: Preempting interface [chars] in backup pair ([chars], [chars]), preemption mode is [chars]

Explanation The switch is preempting the current forwarding interface in the backup interface pair. The first [chars] is the number of the current forwarding interface. The second and third [chars] are the names of the interfaces in the backup pair, and the fourth [chars] is the pre-preemption mode.

Recommended Action No action is required.

Error Message BACKUP_INTERFACE-5-VLB_NON_TRUNK: Warning: Flexlink VLB is not allowed on non-trunk ports. Please configure [chars] to be a trunk port.

Explanation Flex Link VLAN load-balancing (VLB) detects a nontrunk port. [chars] is the interface name.

Recommended Action Change the interface to trunking mode.

BADTRANSCEIVER Messages

Error Message BADTRANSCEIVER, PHY, LOG_WARNING: An inappropriate transceiver has been inserted in interface [chars].

Explanation A defective module is installed in the specified interface. [chars] is the interface.

Recommended Action Remove the transceiver. If it was purchased from Cisco, contact your Cisco representative to have the transceiver replaced.

BSPATCH Messages

Error Message BSPATCH-1-RELOAD: System will reboot to activate newly patched Boot Loader.

Explanation The switch automatically reboots after the boot loader is patched.

Recommended Action If this message recurs, copy it exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message BSPATCH-1-PATCHED: Boot Loader patch ([chars]) installed.

Explanation A boot loader patch installed successfully. [chars] is the SDRAM refresh timer register setting.

Recommended Action If this message recurs, copy it exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message BSPATCH-3-FAILED: Failed to install Boot Loader patch ([chars]).

Explanation The switch did not apply a boot loader patch. [chars] is the SDRAM refresh timer register setting.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

CFGMGR Messages

**Note**

These messages apply only to the Catalyst 3750-X and 3750-E switches.

Error Message CFGMGR-1-UNABLE_TO_SEND_RUN_CFG: unable to send running-cfg, bits: [hex], retrying...

Explanation The system is unsuccessfully trying to distribute the running configuration to the stack member switches. [hex] is the bit representation of the switch number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CFGMGR-1-UNABLE_TO_SEND_STARTUP_CFG: unable to send startup-cfg, bits: [hex], retrying...

Explanation The system is unsuccessfully trying to distribute the startup configuration file to the stack member switches. [hex] is the bit representation of the switch number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CFGMGR-3-ERROR_APPLYING_STARTUP_CFG: Error Applying Startup Config to Running Config.

Explanation An error occurred when the system was automatically applying the startup configuration to the running configuration.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CFGMGR-4-MEMBER_WRITING_STARTUP_CFG: only master can do that.

Explanation A stack member switch attempted to write to the startup configuration file. Only the stack master can write to the startup configuration file.

Recommended Action No action is required.

Error Message CFGMGR-5-UNABLE_TO_USE_PROVISIONED_CFG: Switch [dec] will receive the default configuration.

Explanation The switch type of the specified switch does not match the provisioned configuration for its switch number. The default configuration is applied to this switch. [dec] is the stack member number.

Recommended Action No action is required.

Error Message CFGMGR-6-APPLYING_RUNNING_CFG: as new master.

Explanation A new stack master is applying the backed-up running configuration.

Recommended Action No action is required.

Error Message CFGMGR-6-SPURIOUS_MEMBER_ADD: CFG MGR Recvd Spurious New Member Notification: [int].

Explanation The configuration manager received a notification about adding a stack member switch that already exists in the stack. [int] is the switch number.

Recommended Action If this message recurs, copy it exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CFGMGR-6-UNABLE_TO_NVGEN_BUSY_RUNNING_CFG: config file busy, retrying...

Explanation The stack master is temporarily unable to generate the stack running configuration because another process is generating the configuration file.

Recommended Action No action is required. The action will be tried again.

Error Message CFGMGR-6-UNABLE_TO_NVGEN_RUNNING_CFG: config file too large...

Explanation The stack master cannot generate the stack running configuration because the configuration file is too large.

Recommended Action Remove some configuration commands.

CLS_ACC Messages

Error Message CLS_ACC-2-CONFIG_NV_DATA: Express setup parameter committed. Default port role will be applied

Explanation After the Express Setup settings are configured, the switch becomes a configured switch. The default port roles are automatically applied to all ports. You can now manually modify the port role configurations.

Recommended Action No action is required.

Error Message CLS_ACC-2-MODE_ENTERED: Entering consoleless access mode [chars]

Explanation The switch enters consoleless access mode. [chars] is the name of the mode.

Recommended Action No action is required.

Error Message CLS_ACC-2-MODE_EXITED: Complete consoleless access from mode [chars]

Explanation The switch exits from consoleless access mode. [chars] is the mode.

Recommended Action No action is required.

Error Message CLS_ACC-2-NO_PROCESS: Process creation failure

Explanation The system did not create the process to execute consoleless access.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message CLS_ACC-2-SETUP_BTN_PRS: [chars]

Explanation Pressing the Mode button for more than 5 seconds causes an unconfigured switch to go into Express Setup mode. Pressing the Mode button for more than 5 seconds does not affect an already configured switch. The switch does not go into Express Setup mode. [chars] is the mode.

Recommended Action No action is required.

Error Message CLS_ACC-3-CONFIG_ERROR: [chars]

Explanation The switch is not correctly configured for consoleless access mode and cannot go into that mode. [chars] is the mode.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message CLS_ACC-3-NO_ACC_INTF: Failed to find a free interface as consoleless access interface or failed to retrieve the access interface information

Explanation The switch cannot find an interface to be the management interface for consoleless access.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message CLS_ACC-3-NOMEMORY: [chars]

Explanation A request to configure the switch with consoleless access commands failed its memory allocation. [chars] describes whether processor memory allocation or I/O memory allocation failed.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message CLS_ACC-3-NOSOCKET: Fail to create DNS socket for consoleless access

Explanation The socket creation process failed. The switch cannot go into consoleless access mode and stops.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message CLS_ACC-3-UNABLE_TO_RESET_CONFIG: [chars]

Explanation The switch cannot reset the configuration.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CLS_ACC-3-VLAN_CREATE_FAIL: Failed to allocate a free vlan as consoleless access vlan,use default management vlan

Explanation The switch cannot find a VLAN with an ID from 2 to 1000 to be the management VLAN for consoleless access.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CLS_ACC-4-NO_HTTP_PAGE: Failed to locate HTTP page for the consoleless access mode

Explanation The switch cannot find the HTTP page that appears in Express Setup mode because the page is not on the flash memory.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CLS_ACC-4-UNEXPECTEDEVENT: Switch does not support or not ready for consoleless access mode

Explanation The switch does not support or is not ready to go into the consoleless access mode.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message CLS_ACC-5-CLRCFG: User cleared switch configurations under recovery mode

Explanation The switch resets to the default configuration in recovery mode.

Recommended Action No action is required.

Error Message CLS_ACC-5-RSTIMG: User reset switch image to factory default image under recovery mode

Explanation In recovery mode, the switch image resets to the default image.

Recommended Action No action is required.

Error Message CLS_ACC-7-ACC_INTF: Selected management interface: [chars] interface number: [dec]

Explanation An interface has been selected for Express Setup. [chars] is the name of the interface, and [dec] is the number of the interface.

Recommended Action No action is required.

Error Message CLS_ACC-7-ACC_VLAN: Selected vlan [dec] for consoleless access

Explanation The switch assigned a VLAN to the management interface for consoleless access. [dec] is the VLAN ID.

Recommended Action No action is required.

Error Message CLS_ACC-7-CONFIG: Save access intf config: if: [chars], port num: [dec], vlan [dec], admin-down?:[dec]

Explanation The switch has saved the interface configuration. After the switch exits Express Setup mode and the management interface is configured, the saved configuration takes effect. [chars] is the name of the mode. The first [dec] is the port number, the second [dec] is the VLAN ID, and the third [dec] is the port status.

Recommended Action No action is required.

Error Message CLS_ACC-7-CONFIG_SUCCESS: [chars]

Explanation The management interface has been configured, or its original configuration has been restored. [chars] is the name of the configuration file.

Recommended Action No action is required.

CMP Messages

Error Message CMP-4-MEM_CMPIP_ADDR_CONFLICT: Conflict with CMP IP address [IP_address], Reissuing a new CMP IP address to member [dec]

Explanation The cluster commander found a conflict with the assigned CMP IP address of the member. A new unique CMP IP address is assigned to the member. [dec] is the member number.

Recommended Action This is only a warning message. The commander has already assigned the cluster member a new unique address. Clear any open TCP connections on the member by using `clear tcp` privileged EXEC command.

Error Message CMP-5-ADD: The Device is added to the cluster (Cluster Name: [chars], CMDR IP Address [IP_address]).

Explanation The device is added to the cluster. [chars] is the cluster name, and [IP_address] is the Internet address of the command switch.

Recommended Action No action is required.

Error Message CMP-5-MEMBER_CONFIG_UPDATE: Received member configuration from member [dec].

Explanation The active or standby command switch received a member configuration. [dec] is the member number of the sender.

Recommended Action No action is required.

Error Message CMP-5-MGMT_VLAN_CHNG: The management vlan has been changed to [dec].

Explanation The management VLAN has changed. [dec] is the new management VLAN ID.

Recommended Action No action is required.

Error Message CMP-5-NBR_UPD_SIZE_TOO_BIG: Number of neighbors in neighbor update is [int], maximum number of neighbors allowed in neighbor update is [int].

Explanation The number of cluster neighbors in the clustering neighbor update packet exceeds the number of neighbors supported by the clustering module. The first [int] is the new number of neighbors, and the second [int] the maximum number of neighbors.

Recommended Action No action is required.

Error Message CMP-5-REMOVE: The Device is removed from the cluster (Cluster Name: [chars]).

Explanation The device is removed from the cluster. [chars] is the cluster name.

Recommended Action No action is required.

DHCP_SNOOPING Messages

Error Message DHCP_SNOOPING-3-DHCP_SNOOPING_INTERNAL_ERROR: DHCP Snooping internal error, [chars].

Explanation A software sanity check failed in the DHCP snooping process. [chars] is the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message DHCP_SNOOPING-4-AGENT_OPERATION_FAILED: DHCP snooping binding transfer failed. [chars].

Explanation The DHCP snooping binding transfer process failed because of the specified reason for failure. [chars] is the reason for the failure.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-4-AGENT_OPERATION_FAILED_N: DHCP snooping binding transfer failed ([dec]). [chars].

Explanation The DHCP snooping binding transfer process failed because of the specified reason for failure. [dec] is the number of failures, and [chars] is the reason for the failure. This message is rate-limited.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-4-DHCP_SNOOPING_ERRDISABLE_WARNING: DHCP Snooping received [dec] DHCP packets on interface [chars].

Explanation The switch detected a DHCP packet rate-limit violation on the specified interface and put the interface in the error-disabled state. [dec] is the number of DHCP packets, and [chars] is the interface.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-4-DHCP_SNOOPING_PVLAN_WARNING: DHCP Snooping configuration may not take effect on secondary vlan [dec]. [chars]

Explanation If the private VLAN feature is configured, the DHCP snooping configuration on the primary VLAN automatically propagates to all the secondary VLANs. [dec] is the VLAN ID of the secondary VLAN, and [chars] is the warning.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-4-IP_SOURCE_BINDING_NON_EXISTING_VLAN_WARNING: IP source binding is configured on non existing vlan [dec].

Explanation An IP source binding was configured on a VLAN that has not been configured yet. [dec] is the VLAN.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-4-IP_SOURCE_BINDING_PVLAN_WARNING: IP source filter may not take effect on secondary vlan [dec] where IP source binding is configured. [chars].

Explanation If private VLANs are configured, the IP-source-guard filter on the primary VLAN automatically propagates to all secondary VLANs. [dec] is the secondary VLAN, and [chars] is the warning.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-4-NTP_NOT_RUNNING: NTP is not running; reloaded binding lease expiration times are incorrect.

Explanation If the DHCP snooping database agent loads the DHCP snooping bindings and Network Time Protocol (NTP) is not running, the calculated lease duration for the bindings is incorrect.

Recommended Action Configure NTP on the switch to provide an accurate time and date for the system clock. Then disable and re-enable DHCP snooping to clear the DHCP snooping binding database.

Error Message DHCP_SNOOPING-4-QUEUE_FULL: Fail to enqueue DHCP packet into processing queue: [chars], the queue is most likely full and the packet will be dropped.

Explanation The CPU is receiving DHCP at a higher rate than the DHCP snooping can process. These DHCP packets are dropped to prevent a denial of service attack. [chars] is the warning.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-4-STANDBY_AGENT_OPERATION_FAILED: DHCP snooping binding transfer failed on the Standby Supervisor. [chars].

Explanation The DHCP snooping binding transfer process failed on a standby supervisor engine. [chars] is the standby supervisor engine.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-6-AGENT_OPERATION_SUCCEEDED: DHCP snooping database [chars] succeeded.

Explanation The DHCP binding transfer process succeeded. [chars] is the DHCP snooping database.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-6-BINDING_COLLISION: Binding collision. [dec] bindings ignored.

Explanation The specified number of bindings were ignored when the switch read the database file. The bindings from the database file have MAC address and VLAN information that a configured DHCP snooping binding already uses.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-6-INTERFACE_NOT_VALID: Interface not valid. [dec] bindings ignored.

Explanation The specified number of bindings were ignored when the switch read the database file because the interface in binding database is not available, the interface is a routed port, or the interface is a DHCP snooping-trusted Layer 2 interface. [dec] is the number of bindings that the switch ignores.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-6-LEASE_EXPIRED: Lease Expired. [dec] bindings ignored.

Explanation The specified number of bindings were ignored when the switch read the database file because the DHCP lease expired. [dec] is the number of bindings.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-6-PARSE_FAILURE: Parsing failed for [dec] bindings.

Explanation The specified number of bindings were ignored when the switch read the database file because the database read operation failed. [dec] is the number of bindings.

Recommended Action No action is required.

Error Message DHCP_SNOOPING-6-VLAN_NOT_SUPPORTED: Vlan not supported. [dec] bindings ignored.

Explanation The specified number of bindings were ignored when the switch read the database file because the VLAN is no longer configured on the switch. [dec] is the number of bindings that the switch ignores.

Recommended Action No action required.

DOT1X Messages

Error Message DOT1X-4-MEM_UNAVAIL: Memory was not available to perform the 802.1X action. AuditSessionID [chars]

Explanation The system memory is not sufficient to perform the 802.1x authentication. [chars] is the session ID.

Recommended Action Reduce other system activity to reduce memory demands.

Error Message DOT1X-4-PROC_START_ERR: Dot1x unable to start.

Explanation The system did not start the 802.1x process.

Recommended Action Restart the 802.1x process by entering the **dot1x system-auth-control** global configuration command. If this message recurs, reload the device.

Error Message DOT1X-4-UNKN_ERR: An unknown operational error occurred.

Explanation The 802.1x process cannot operate because of an internal system error.

Recommended Action Reload the device.

Error Message DOT1X-5-ERR_CHANNELLING: Dot1x cannot be enabled on Channelling ports.

Explanation 802.1x authentication could not be enabled on the EtherChannel port. An attempt to set 802.1x port control to **auto** or to **force-unauthorized** mode on the channel port, which is not allowed, caused this condition.

Recommended Action Disable the EtherChannel on the interface, and then re-enable 802.1x authentication.

Error Message DOT1X-5-ERR_DYNAMIC: Dot1x cannot be enabled on Dynamic ports.

Explanation 802.1x authentication could not be enabled on the dynamic-mode port. An attempt to set 802.1x port-control to *auto* or *force-unauthorized* mode on a dynamic mode port, which is not allowed, caused this condition.

Recommended Action Disable dynamic mode on the interface, and then try 802.1x authentication.

Error Message DOT1X-5-ERR_MULTI_ACCESS: Dot1x can not be enabled on voice vlan configured ports.

Explanation 802.1x authentication could not be enabled on the voice VLAN-configured port. An attempt to set 802.1x port control to *auto* or *force-unauthorized* mode on a voice VLAN-configured port, which is not allowed, caused this condition.

Recommended Action Disable the voice VLAN on the interface, and then try 802.1x authentication.

Error Message DOT1X-5-ERR_PROTO_TUNNELLING: Dot1x can not be enabled on protocol tunnelling enabled ports.

Explanation 802.1x authentication could not be enabled on the protocol tunneling enabled port. This condition was caused by trying to set 802.1x port-control to *auto* or *force-unauthorized* mode on a protocol tunneling enabled port, which is not allowed.

Recommended Action Disable protocol tunnelling on the interface, and retry the 802.1x operation.

Error Message DOT1X-5-ERR_PVLAN_EQ_VVLAN: Dot1x can not be enabled on a port with Access VLAN equal to Voice VLAN.

Explanation 802.1x authentication could not be enabled on a port with the same VLAN for the access VLAN and the voice VLAN. An attempt to set 802.1x port control to *auto* or *force-unauthorized* mode on the port, which is not allowed, caused this condition.

Recommended Action Change the voice VLAN or access VLAN on the interface, and retry the 802.1x operation.

Error Message DOT1X-5-ERR_RSPAN_VLAN: Dot1x can not be enabled on ports configured in Remote SPAN vlan.

Explanation 802.1x authorization could not be enabled on the remote SPAN (RSPAN) VLAN port. An attempt to set 802.1x port-control to *auto* or *force-unauthorized* mode on a port assigned to an RSPAN VLAN, which is not allowed, caused this condition.

Recommended Action Disable RSPAN on the VLAN, and retry the 802.1x operation.

Error Message DOT1X-5-ERR_SPANDST: Dot1x can not be enabled on [chars]. It is configured as a SPAN Dest port.

Explanation 802.1x and SPAN destination ports are mutually exclusive. [chars] is the port.

Recommended Action Disable the SPAN destination port configuration, and then reconfigure 802.1x authentication on the port.

Error Message DOT1X-5-ERR_TRUNK: Dot1x can not be enabled on Trunk port.

Explanation 802.1x authentication could not be enabled on the trunk port. An attempt to set 802.1x port control to *auto* or *force-unauthorized* mode on a trunk port, which is not allowed, caused this condition.

Recommended Action Disable trunking on the interface, and re-enable 802.1x authentication on the port.

Error Message DOT1X-5-ERR_VLAN_INVALID: The VLAN [dec] is invalid and cannot be assigned for use on the Dot1x port [chars] Vlan

Explanation The specified VLAN is out of range and cannot be assigned as an 802.1x port. [dec] is the VLAN, and [chars] is the 802.1x port.

Recommended Action Reconfigure the configuration to use a valid VLAN.

Error Message DOT1X-5-FAIL: Authentication failed for client ([chars]) on Interface [chars] AuditSessionID [chars]

Explanation The authentication was unsuccessful. The first [chars] is the client ID, the second [chars] is the interface, and the third [chars] is the session ID.

Recommended Action No action is required.

Error Message DOT1X-5-INVALID_INPUT: Dot1x Interface parameter is Invalid on interface [chars].

Explanation The 802.1x interface parameter is out of the specified range or is invalid. [chars] is the interface.

Recommended Action See the command-line help string for the valid 802.1x parameters.

Error Message DOT1X-5-INVALID_MAC: Invalid MAC address(drop, zero, broadcast or multicast mac address) [enet] is trying to authenticate.

Explanation Authentication using 802.1x is not allowed for zero, broadcast, and multicast source MAC addresses. [enet] is the invalid MAC address.

Recommended Action Connect an 802.1x supported host to the 802.1x enabled port.

Error Message DOT1X-5-RESULT_OVERRIDE: Authentication result overridden for client ([chars]) on Interface [chars] AuditSessionID [chars]

Explanation The authentication result was overridden. The first [chars] is the client ID, the second [chars] is the interface, and the third [chars] is the session ID.

Recommended Action No action is required.

Error Message DOT1X-5-SUCCESS: Authentication successful for client ([chars]) on Interface [chars] AuditSessionID [chars]

Explanation Authentication was successful. The first [chars] is the client ID, the second [chars] is the interface, and the third [chars] is the session ID.

Recommended Action No action is required

DOT1X_SWITCH Messages

Error Message DOT1X_SWITCH-5-ERR_ADDING_ADDRESS: Unable to add address [enet] on [chars] AuditSessionID [chars]

Explanation The client MAC address could not be added to the MAC address table because the hardware memory is full or because the address is a secure address on another port. [enet] is the client MAC address, the first [chars] is the interface, and the second [chars] is the session ID.

Recommended Action If the hardware memory is full, remove some of the dynamic MAC addresses. If the client address is on another port, remove it from that port.



Note

This message applies to switches running the IP base image.

Error Message DOT1X_SWITCH-5-ERR_INVALID_PRIMARY_VLAN: Attempt to assign primary VLAN [dec] to 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign a primary VLAN to an 802.1x port, which is not allowed. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Use a different VLAN.



Note

This message applies to switches running the IP base image.

Error Message DOT1X_SWITCH-5-ERR_INVALID_SEC_VLAN: Attempt to assign invalid secondary VLAN [dec] to PVLAN host 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign a nonsecondary VLAN to a private VLAN host 802.1x port. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Change the port mode so that it is no longer a private VLAN host port, or use a valid secondary VLAN.



Note

This message applies to switches running the IP base image.

Error Message DOT1X_SWITCH-5-ERR_PRIMARY_VLAN_NOT_FOUND: Attempt to assign VLAN [dec], whose primary VLAN does not exist or is shutdown, to 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign a private VLAN whose primary VLAN does not exist or is shut down. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Make sure that the primary VLAN exists and is not shut down. Verify that the private VLAN is associated with a primary VLAN.

**Note**

This message applies to switches running the IP base image.

Error Message DOT1X_SWITCH-5-ERR_RADIUS_VLAN_NOT_FOUND: Attempt to assign non-existent VLAN [chars] to dot1x port [chars]

Explanation RADIUS attempted to assign a VLAN with a particular name or ID to a supplicant on a port, but the name or ID could not be found on the switch. [dec] is the VLAN, and [chars] is the port.

Recommended Action Make sure a VLAN with the specified name/ID exists on the switch.

Error Message DOT1X_SWITCH-5-ERR_SEC_VLAN_INVALID: Attempt to assign secondary VLAN [dec] to non-PVLAN host 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign a secondary VLAN to a port that is not a private VLAN host port, which is not allowed. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Change the port mode so that it is configured as a private VLAN host port, or use a different VLAN that is not configured as a secondary VLAN.

Error Message DOT1X_SWITCH-5-ERR_SPAN_DST_PORT: Attempt to assign VLAN [dec] to 802.1x port [chars], which is configured as a SPAN destination AuditSessionID [chars]

Explanation An attempt was made to assign a VLAN to an 802.1x port that is configured as a Switched Port Analyzer (SPAN) destination port. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Change the SPAN configuration so that the port is no longer a SPAN destination port, or change the configuration so that no VLAN is assigned.

Error Message DOT1X_SWITCH-5-ERR_VLAN_EQ_MDA_INACTIVE: Multi-Domain Authentication cannot activate because Data and Voice VLANs are the same on port AuditSessionID [chars]

Explanation Multi-Domain Authentication (MDA) host mode cannot start when the configured data VLAN on a port is the same as the voice VLAN. [chars] is the port session ID.

Recommended Action Change either the voice VLAN or the access VLAN on the port so that they are not the same.

Error Message DOT1X_SWITCH-5-ERR_VLAN_EQ_VVLAN: Data VLAN [dec] on port [chars] cannot be equivalent to the Voice VLAN AuditSessionID [chars]

Explanation An attempt was made to assign a data VLAN to an 802.1x port that is the same as the voice VLAN. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Change either the voice VLAN or the 802.1x-assigned VLAN on the port so that they are not the same.

Error Message DOT1X_SWITCH-5-ERR_VLAN_INTERNAL: Attempt to assign internal VLAN [dec] to 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign an invalid VLAN to an 802.1x port. The VLAN specified is used internally and cannot be assigned to this port. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Assign a different VLAN.

Error Message DOT1X_SWITCH-5-ERR_VLAN_INVALID: Attempt to assign invalid VLAN [dec] to 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign an invalid VLAN to an 802.1x port. The VLAN specified is out of range. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Update the configuration to use a valid VLAN.

Error Message DOT1X_SWITCH-5-ERR_VLAN_NOT_FOUND: Attempt to assign non-existent or shutdown VLAN [chars] to 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign a VLAN to an 802.1x port, but the VLAN was not found in the VLAN Trunking Protocol (VTP) database. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Make sure that the VLAN exists and is not shut down, or use another VLAN.

Error Message DOT1X_SWITCH-5-ERR_VLAN_ROUTED_PORT: Attempt to assign VLAN [dec] to routed 802.1x port [chars]

Explanation An attempt was made to assign a VLAN to a routed 802.1x port, which is not allowed. [dec] is the VLAN, and [chars] is the port.

Recommended Action Change the port mode so that it is no longer a routed port, or change the configuration so that no VLAN is assigned.

Error Message DOT1X_SWITCH-5-ERR_VLAN_ON_ROUTED_PORT: Attempt to assign VLAN [dec] to routed 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign a VLAN to a supplicant on a routed port, which is not allowed. [dec] is the VLAN ID, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Either disable the VLAN assignment, or change the port type to a nonrouted port.

Error Message DOT1X_SWITCH-5-ERR_VLAN_PROMISC_PORT: Attempt to assign VLAN [dec] to promiscuous 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign a VLAN to a promiscuous 802.1x port, which is not allowed. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Change the port mode so that it is not promiscuous, or reconfigure the port so that no VLAN is assigned to it.

Error Message DOT1X_SWITCH-5-ERR_VLAN_RESERVED: Attempt to assign reserved VLAN [dec] to 802.1x port [chars] AuditSessionID [chars]

Explanation An attempt was made to assign an invalid VLAN to an 802.1x port. The VLAN specified is a reserved VLAN and cannot be assigned to this port. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Assign a different VLAN.

Error Message DOT1X_SWITCH-5-ERR_VLAN_RSPAN: Attempt to assign RSPAN VLAN [dec] to 802.1x port [chars]. 802.1x is incompatible with RSPAN AuditSessionID [chars]

Explanation Remote SPAN should not be enabled on a VLAN with 802.1x authentication. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action Either disable remote SPAN on the VLAN, or disable 802.1x on all the ports in this VLAN.

DTP Messages

Error Message DTP-4-MEM_UNAVAIL: Memory was not available to perform the trunk negotiation action.

Explanation The system cannot negotiate trunks because of a lack of memory.

Recommended Action Reduce other system activity to ease memory demands.

Error Message DTP-4-TMRERR: An internal timer error occurred when trunking on interface [chars].

Explanation A timer used by the trunking protocol unexpectedly expired. [chars] is the trunked interface.

Recommended Action This problem is corrected internally and has no long-term ramifications. However, if more problems with trunking occur, reload the switch by using the **reload** privileged EXEC command.

Error Message DTP-4-UNKN_ERR: An unknown operational error occurred.

Explanation The system cannot negotiate trunks because an internal operation generated an unexpected error.

Recommended Action Reload the switch by using the **reload** privileged EXEC command.

Error Message DTP-5-DOMAINMISMATCH: Unable to perform trunk negotiation on port [chars] because of VTP domain mismatch.

Explanation The two ports in the trunk negotiation belong to different VTP domains. Trunking can be configured only when the ports belong to the same VTP domain. [chars] is the port number.

Recommended Action Ensure that the ports in the trunk negotiation belong to the same VTP domain.

Error Message DTP-5-ILGLCFG: Illegal config (on, isl--on,dot1q) on [chars].

Explanation One end of the trunk link is configured as *on* with ISL encapsulation and that the other end is configured as *on* with 802.1Q encapsulation. [chars] is the interface.

Recommended Action This configuration is illegal and will not establish a trunk between two switches. You must change the encapsulation type so that both ends of the trunk match.

Error Message DTP-5-NONTRUNKPORTON: Port [chars] has become non-trunk.

Explanation The interface changed from a trunk port to an access port. [chars] is the interface that changed.

Recommended Action This message is provided only for information.

Error Message DTP-5-TRUNKPORTCHG: Port [chars] has changed from [chars] trunk to [chars] trunk.

Explanation The encapsulation type of the trunk port has changed. The first [chars] is the interface, the second [chars] is the original encapsulation type, and the third [chars] is the new encapsulation type.

Recommended Action This message is provided only for information.

Error Message DTP-5-TRUNKPORTON: Port [chars] has become [chars] trunk.

Explanation The interface has changed from an access port to a trunk port. The first [chars] is the interface, and the second [chars] is the encapsulation type.

Recommended Action This message is provided only for information.

DWL Messages

Error Message DWL-3-LOOP_BACK_DETECTED: Loop-back detected on [chars].

Explanation There is a loopback on the specified port that might be caused by a Token-Ring Type-1 cable connected to the port or a misconfiguration in the network. [chars] is the port.

Recommended Action Correct the problem that is causing the loopback condition. Then enter the **shutdown** and the **no shutdown** interface configuration commands.

EC Messages

Error Message EC-4-NOMEM: Not enough memory available for [chars].

Explanation Either the LACP or the PAgP EtherChannel could not get the memory it needed to initialize the required data structures. [chars] is the data structure name.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message EC-5-BUNDLE: Interface [chars] joined port-channel [chars].

Explanation The listed interface joined the specified EtherChannel. The first [chars] is the physical interface, and the second [chars] is the EtherChannel interface.

Recommended Action No action is required.

Error Message EC-5-CANNOT_ALLOCATE_AGGREGATOR: Aggregator limit reached, cannot allocate aggregator for group [dec]

Explanation A new aggregator cannot be allocated in the group. [dec] is the affected group.

Recommended Action Change the port attributes of the ports in the group so that they match and join the same aggregator.

Error Message EC-5-CANNOT_BUNDLE1: Port-channel [chars] is down, port [chars] will remain stand-alone.

Explanation The aggregation port is down. The port remains standalone until the aggregation port is up. The first [chars] is the EtherChannel, and the second [chars] is the port number.

Recommended Action Ensure that the other ports in the bundle have the same configuration]

Error Message EC-5-CANNOT_BUNDLE2: [chars] is not compatible with [chars] and will be suspended ([chars])

Explanation The interface has different interface attributes than the EtherChannel or the other ports in the EtherChannel. For the interface to join the bundle (EtherChannel), change the interface attributes to match the EtherChannel attributes. The first [chars] is the interface to be bundled, the second [chars] is the physical interface (a switch port or a routed port) that is already in the bundle, and the third [chars] is the reason for the incompatibility.

Recommended Action Change the interface attributes to match the EtherChannel attributes.

Error Message EC-5-CANNOT_BUNDLE_LACP: [chars] is not compatible with aggregators in channel [dec] and cannot attach to them ([chars]).

Explanation The port has different port attributes than the port channel or ports within the port channel. [chars] is the incompatible port, [dec] is the channel group number, and the last [chars] is the reason.

Recommended Action For the port to join the EtherChannel bundle, change the port attributes so that they match the port.

Error Message EC-5-COMPATIBLE: [chars] is compatible with port-channel members.

Explanation A port was not operational because its attributes were different from those of the port channel or ports within the port channel. The system has detected that the attributes of the port now match the port-channel attributes. [chars] is the affected port.

Recommended Action No action is required.

Error Message EC-5-DONTBNDL: [chars] suspended: incompatible remote port with [chars]

Explanation The configuration of the remote port is different from the configuration of other remote ports in the bundle. A port can only join the bundle when the configuration of the local port and the configuration of the remote port are the same as other ports already in the bundle. The first [chars] is the name of the local interface that is being suspended, and the second [chars] is the name of the local interface that is already bundled.

Recommended Action Make sure that the configuration of the remote ports is the same for all ports in the bundle.

Error Message EC-5-ERRPROT: Channel protocol mismatch for interface [chars] in group [dec]: the interface can not be added to the channel group.

Explanation The interface cannot be added to the channel group with the specified mode. [chars] is the interface, and [dec] is the channel group.

Recommended Action Change the channel group or the mode for the interface.

Error Message EC-5-ERRPROT2: Command rejected: the interface [chars] is already part of a channel with a different type of protocol enabled.

Explanation The interface cannot be selected for the specified protocol because it is already part of a channel with a different protocol. [chars] is the interface.

Recommended Action Remove the interface from the channel group.

Error Message EC-5-ERRPROT3: Command rejected: the interface [chars] is already part of a channel.

Explanation The interface cannot be unselected for the specified protocol because it is already part of a channel group. [chars] is the interface.

Recommended Action Remove the interface from the channel group.

Error Message EC-5-L3DONTBNL1: [chars] suspended: PAgP not enabled on the remote port.

Explanation PAgP is enabled on the Layer 3 interface but the partner port is not enabled for PAgP. In this mode, the port is placed in a suspended state. [chars] is the Layer 3 interface.

Recommended Action Enable PAgP on the remote side by using the **channel-group** interface configuration command.

Error Message EC-5-L3DONTBNL2: [chars] suspended: LACP currently not enabled on the remote port.

Explanation LACP is enabled on a Layer 3 interface but is not enabled on the partner port. In this mode, the port is put in a suspended state. [chars] is the interface name.

Recommended Action Enable LACP on the remote side.

Error Message EC-5-L3DONTBNL3: [chars] suspended: LACP not enabled on the remote port.

Explanation LACP is enabled on a Layer 3 interface but the remote port does not have LACP enabled. In this mode, the local port is put in a suspended state. [chars] is the interface name.

Recommended Action Enable LACP on the remote port.

Error Message EC-5-NOLACP: Invalid EC mode, LACP not enabled.

Explanation The EtherChannel mode cannot be set because LACP is not included in the software image.

Recommended Action Install a software image that includes LACP, and set the EC mode to *on*.

Error Message EC-5-NOPAGP: Invalid EC mode, PAgP not enabled.

Explanation PAgP is not included in the Cisco IOS image and the EtherChannel mode cannot be set to **desirable** or **auto**.

Recommended Action Obtain an image with PAgP included, or set the mode to *on* by using the **channel-group** *channel-group-number mode on* interface configuration command.

Error Message EC-5-PORTDOWN: Shutting down [chars] as its port-channel is admin-down.

Explanation The administrative state of the port is controlled by the administrative state of its aggregate port. If the administrative state of the aggregate port is down, the administrative state of the port is also forced to be down. [chars] is the physical interface.

Recommended Action Enter the **no shutdown** interface configuration command on the aggregate port to activate the aggregation port.

Error Message EC-5-STAYDOWN: [chars] will remain down as its port-channel [chars] is admin-down.

Explanation The administrative state of the aggregation port overrides that of the affected port. If the aggregation port is administratively down, all ports in the aggregation port are forced to be administratively down. The first [chars] is the physical interface, and the second [chars] is the EtherChannel.

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

Error Message EC-5-STAYDOWN: no-shut not allowed on [chars]. Module [dec] not online.

Explanation An interface with an EtherChannel configuration cannot be enabled by using the **no shutdown** interface configuration command because it is a member of an EtherChannel group and that EtherChannel group has been administratively shut down. The interface has an EtherChannel configuration, but no information is available yet about its port channel. [chars] is the interface, and [dec] is the module.

Recommended Action No action is required. Wait until the module is online to find out the port-channel setting of the EtherChannel.

Error Message EC-5-UNBUNDLE: Interface [chars] left the port-channel [chars].

Explanation The listed interface left the specified EtherChannel. The first [chars] is the physical interface, which can be a switch port or a routed port, and the second [chars] is the EtherChannel.

Recommended Action No action is required.

Error Message EC-5-UNSUITABLE: [chars] will not join any port-channel, [chars].

Explanation One of the interfaces cannot join the EtherChannel because it is configured for PortFast, as a VLAN Membership Policy Server (VMPS), for 802.1x, as a voice VLAN, or as a SPAN destination port. All of these are illegal configurations for EtherChannels. The first [chars] is the interface name, and the second [chars] describes the details of the illegal configuration.

Recommended Action Remove the illegal configuration and reconfigure the port.

EPM Messages

Error Message EPM-6-AUTH_ACL: POLICY [chars]| EVENT [chars]

Explanation The switch has sent or received a download request for a downloadable ACL (dACL). The first [chars] is the dACL policy. The second [chars] is the event.

Recommended Action No action is required.

ETHCNTR Messages

Error Message ETHCNTR-3-HALF_DUX_COLLISION_EXCEED_THRESHOLD: Collision at [chars] exceed threshold. Consider as loop-back.

Explanation The collisions at a half-duplex port exceeded the threshold, and the port is treated as a loopback. On switches that support Power over Ethernet (PoE), this message might be displayed when a device that can be powered by either a PoE switch port or by AC power is not being powered by an external AC power source and is connected to a port that has been configured with the **power inline never** interface configuration command. [chars] is the port where the threshold was exceeded.

Recommended Action On switches that support PoE, remove the device or configure the port by entering the **power inline auto**, **shutdown**, and **no shutdown** interface configuration commands. No action is required on non-PoE switches. The port is error disabled until the problem is resolved.

Error Message ETHCNTR-3-LOOP_BACK_DETECTED: , Loop-back detected on [chars]. The port is forced to linkdown.

Explanation A keepalive packet is looped back to the port that sent the keepalive. The loopback condition might be caused by a balun cable being accidentally connected to the port, or there might be a loop in the network. [chars] is the port.

Recommended Action Examine the cables. If a balun cable is connected, and the loopback condition is desired, no action is required. Otherwise, connect the correct cable, and bring the port up by entering the **no shutdown** interface configuration command. We do not recommend using the **no keepalive** interface command to disable keepalives. The cause of this network loop must be found and corrected. Although disabling keepalives prevents the port from being error-disabled, it does not resolve the cause of the problem and can affect network stability. See CSCea46385 for more information.

Error Message ETHCNTR-3-NO_HARDWARE_RESOURCES: Not enough hardware resources. Shutting down [chars].

Explanation There are too many VLANs and routed ports (if the switch supports routed ports) configured. [chars] is the short interface name, such as Gi1/0/1 on a Catalyst 3750-E switch, or the VLAN name, such as VLAN0002.

Recommended Action Reduce the total number of VLANs and routed ports to less than 1023. To preserve configuration and connections across reboots, save the configuration.

Error Message ETHCNTR-3-SNAP_FORWARDING_UNSUPPORTED: IPv4/IPv6 SNAP forwarding will be disabled because switch [dec] does not support this feature.

Explanation A switch that is being added to the stack does not support the forwarding of IP Version 4 (IPv4) and IP Version 6 (IPv6) frames with Subnetwork Access Protocol (SNAP) encapsulation. If this occurs, forwarding of IPv4 and IPv6 frames is disabled in the switch stack. [dec] is the stack member number.

Recommended Action Replace the stack member with a switch that supports forwarding of IPv4 and IPv6 frames with SNAP encapsulation.

EXPRESS_SETUP Messages

**Note**

For Express Setup with the Ethernet management port, see the [CLS_ACC Messages](#) section.

Error Message EXPRESS_SETUP-3-UNABLE_TO_RESET_CONFIG: [chars].

Explanation The system cannot reset the configuration. [chars] is a text string that explains why the reset failed. For example, `error renaming config file`, `error removing config file`, or `error removing private config file`.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message EXPRESS_SETUP-6-CONFIG_IS_RESET: [chars].

Explanation The configuration is reset. [chars] is a text message that clarifies the reset event, such as `The configuration is reset and the system will now reboot`.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message EXPRESS_SETUP-6-MODE_ENTERED.

Explanation The Express Setup mode is active.

Recommended Action No action is required.

Error Message EXPRESS_SETUP-6-MODE_EXITED.

Explanation The Express Setup mode is no longer active.

Recommended Action No action is required.

FRNTEND_CTRLR Messages


Note

These messages apply only to the Catalyst 3750-X and 3750-E switches.

Error Message FRNTEND_CTRLR-1-MGR_TXQ_FULL: The front end controller Tx queue reached watermark level

Explanation There are too many messages in the queue between the front-end controller and the switch software.

Recommended Action Reset the switch. If the problem is not resolved, contact your Cisco technical support representative because there might be a problem with the switch.

Error Message FRNTEND_CTRLR-2-SUB_INACTIVE: The front end controller [dec] is inactive.

Explanation The front-end controller that controls the LEDs, the PoE features, and the fan-control features is now inactive on the port controlled by the front-end controller. This does not affect the traffic on the port. [dec] is the controller number.

Recommended Action Reset the switch. If the problem is not resolved, contact your Cisco technical support representative because there might be a problem with the switch.

GBIC_SECURITY Messages


Note

The Catalyst 3750-X, 3750-E, 3560-X, and 3560-E switches support SFP modules and do not support GBIC modules. Although the error message text refers to GBIC interfaces and modules, the messages from the switches actually refer to the SFP and 10-Gigabit Ethernet module interfaces and modules.

Error Message GBIC_SECURITY-4-EEPROM_CRC_ERR: EEPROM checksum error for GBIC in [chars].

Explanation The GBIC in the specified port has invalid EEPROM data. [chars] is the port in which the GBIC is inserted.

Recommended Action Remove the GBIC from the port.

Error Message GBIC_SECURITY-4-EEPROM_READ_ERR: Error in reading GBIC serial ID in [chars].

Explanation An error occurred while the switch was reading the GBIC type from the EEPROM. [chars] is the port in which the GBIC is inserted.

Recommended Action Remove the GBIC from the port.

Error Message GBIC_SECURITY-4-EEPROM_SECURITY_ERR: GBIC in [chars] failed security check.

Explanation The GBIC in the specified port has invalid EEPROM data. [chars] is the port in which the GBIC is inserted.

Recommended Action Remove the GBIC from the port.

Error Message GBIC_SECURITY-4-GBIC_INTERR: Internal error occurred in setup for GBIC interface [chars].

Explanation The system could not allocate resources or had some other problem during the setup for the specified SFP module interface. [chars] is the interface in which the SFP module is installed.

Recommended Action Reload the switch by using the **reload** privileged EXEC command. If the message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message GBIC_SECURITY-6-SFP_INSERTED: Transceiver SFP [chars] module inserted in [chars]

Explanation The online insertion and removal (OIR) facility detected a newly inserted transceiver module for the interface specified in the message. The first [chars] is the module and the second [chars] is the interface.

Recommended Action No action is required.

Error Message GBIC_SECURITY-6-SFP_REMOVED: Transceiver SFP [chars] module removed from [chars]

Explanation The OIR facility detected the removal of a transceiver module from the interface specified in the message. The first [chars] is the module and the second [chars] is the interface.

Recommended Action No action is required.

GBIC_SECURITY_CRYPT Messages

**Note**

The Catalyst 3750-X, 3750-E, 3560-X, and 3560-E switches support SFP and 10-Gigabit Ethernet modules but do not support GBIC modules. Although the error message text refers to GBIC interfaces and modules, the messages from the switches actually refer to the SFP and 10-Gigabit Ethernet module interfaces and modules.

Error Message GBIC_SECURITY_CRYPT-4-ID_MISMATCH: Identification check failed for GBIC in port [chars]

Explanation The SFP module was identified as a Cisco SFP module, but the system could not verify its identity. [chars] is the port.

Recommended Action Ensure that the Cisco IOS software running on the switch supports the SFP module. You might need to upgrade your software. Otherwise, verify that the SFP module was obtained from Cisco or from a supported vendor.

Error Message GBIC_SECURITY_CRYPT-4-UNRECOGNIZED_VENDOR: GBIC in port [chars] manufactured by an unrecognized vendor

Explanation The SFP module was identified as a Cisco SFP module, but the switch could not match its manufacturer with one on the known list of Cisco SFP module vendors. [chars] is the port.

Recommended Action Ensure that the Cisco IOS software running on the switch supports the SFP module. You might need to upgrade your software.

Error Message GBIC_SECURITY_CRYPT-4-VN_DATA_CRC_ERROR: GBIC in port [chars] has bad CRC

Explanation The SFP module was identified as a Cisco SFP module, but it does not have a valid cyclic redundancy check (CRC) in the EEPROM data. [chars] is the port.

Recommended Action Ensure that the Cisco IOS software running on the switch supports the SFP module. You might need to upgrade your software. Even if the SFP module is unrecognized by the switch, the SFP module might still operate properly but have limited functionality.

GBIC_SECURITY_UNIQUE Messages

**Note**

The Catalyst 3750-X, 3750-E, 3560-X, and 3560-E switches support SFP and 10-Gigabit Ethernet modules and do not support GBIC modules. Although the error message text refers to GBIC interfaces and modules, the messages from the switches actually refer to the SFP and 10-Gigabit Ethernet module interfaces and modules.

Error Message GBIC_SECURITY_UNIQUE-3-DUPLICATE_GBIC: GBIC interface [dec]/[dec] is a duplicate of GBIC interface [dec]/[dec].

Explanation The SFP module was identified as a Cisco GBIC or SFP module, but its vendor ID and serial number match that of another interface on the system. The first [dec]/[dec] is the interface of the duplicate GBIC or SFP module, and the second [dec]/[dec] is the interface of the existing module.

Recommended Action Cisco GBIC or SFP modules are assigned unique serial numbers. Verify that the module was obtained from Cisco or from a supported vendor.

Error Message GBIC_SECURITY_UNIQUE-4-DUPLICATE_SN: GBIC interface [dec]/[dec] has the same serial number as another GBIC interface.

Explanation The SFP module was identified as a Cisco SFP module, but its serial number matches that of another interface on the system. [dec]/[dec] is the interface in which the duplicate module is installed.

Recommended Action Cisco SFP modules are assigned unique serial numbers. Verify that the module was obtained from Cisco or from a supported vendor.

HARDWARE Messages

Error Message HARDWARE-2-FAN_ERROR: Fan [chars] Failure

Explanation The switch fan is not working. [chars] is the fan name.

Recommended Action This is a hardware failure. The fan might recover automatically. If the fan failure persists, Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#)

Error Message `HARDWARE-2-FAN_ERROR: Fan Failure.`

Explanation The fan is not working.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message `HARDWARE-2-THERMAL_WARNING: Temperature has reached warning threshold.`

Explanation The temperature sensor valve inside the switch reached the warning threshold. The switch can function normally until the temperature reaches the critical threshold.

Recommended Action The external temperature is high. Reduce the temperature in the room.

Error Message `HARDWARE-3-ASICNUM_ERROR: [traceback] Port-ASIC number [dec] is invalid`

Explanation The port ASIC number is invalid. [dec] is the port ASIC number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message `HARDWARE-3-INDEX_ERROR: Index value [dec] is invalid.`

Explanation The index into the hardware table is out-of-range. [dec] is the index value.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message `HARDWARE-3-INTRNUM_ERROR: Port-ASIC Interrupt number [dec] is invalid.`

Explanation The interrupt ID used in a port ASIC is invalid. [dec] is the interrupt number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message `HARDWARE-3-PORTNUM_ERROR: [traceback] port number [dec] is invalid`

Explanation The port number is out of range. [dec] is the port number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information.

Error Message `HARDWARE-3-THERMAL_NOT_FUNCTIONING: Temperature Sensor is not functioning.`

Explanation The temperature sensor is not functioning, and the switch temperature behavior cannot be determined.

Recommended Action Ensure that the ambient temperature is not too high. If the message appears again, replace the component.

Error Message `HARDWARE-3-STATS_ERROR: Statistics ID [dec] is invalid.`

Explanation The statistics ID used is out of range. The statistics supported by the port ASIC are identified by an ID. [dec] is the statistics ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message `HARDWARE-5-FAN_NOT_PRESENT: Fan is not present.`

Explanation The fan is not in the switch.

Recommended Action Make sure the fan is completely inserted. If the fan is removable, remove and replace it into the switch. If the message appears again after insertion, replace the fan.

Error Message `HARDWARE-5-FAN_OK: Fan works fine.`

Explanation The fan is now working properly.

Recommended Action No action is required.

HLFM Messages

Error Message HLFM-3-MACFREE_ERROR: MAC address [enet], vlan [dec] is still referenced; cannot free.

Explanation An attempt was made to free a MAC address before releasing all references to it. [enet] is the MAC address, and [dec] is the VLAN ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message HLFM-3-MAP_ERROR: IP address [IP_address] not in mac tables, mac-address [enet], vlan [dec].

Explanation The IP address and MAC address tables are out of sync. [IP_address] is the IP address, [enet] is the MAC address, and [dec] is the VLAN ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message HLFM-3-MOD_SD: Failed to modify Station Descriptor with index [dec], vlan [dec], di [dec], error [dec], mad [dec], ref-count [dec].

Explanation The forwarding manager tried to modify a station descriptor that is no longer in use or is invalid. The first [dec] is the station index, the second [dec] is the VLAN ID, the third [dec] is the destination index, the fourth [dec] is the error code, the fifth [dec] is the MAC address descriptor, and the sixth [dec] is the ref-count for this MAC address descriptor.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message HLFM-3-SEND_FAIL: Failed to send RPC message, req [dec], [chars].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation There is a local resource error or that too many outgoing messages are queued for the message class. [dec] is the RPC request number, and [chars] is an optional comment.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the “[Error Message Traceback Reports](#)” section on page 1-7.

HPSECURE Messages

Error Message HPSECURE-6-ADDR_REMOVED: Address [enet]:[dec] on port [chars] cannot be added on switch [dec] and has been removed.



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation At least one switch in the stack could not add the MAC address due to a resource failure, and the MAC address has been deleted from all the switches in the stack. [enet] is the MAC address, the first [dec] is the VLAN to which the MAC address is assigned, [chars] is the interface, and the second [dec] is the stack member number.

Recommended Action No action is required.

HULC_LICENSE Messages

Error Message HULC_LICENSE-1-LICENSE_REGISTER_FAILED: [chars] - rc = [dec]

Explanation The licensing initialization failed. [chars] explains what part of the license registration failed, and [dec] is the type of license initialization error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information.

IFMGR Messages

Error Message IFMGR-3-IFINDEX_PERSIST_ENTRY_CORRUPT: [chars] seems to be corrupted. Trying to read [dec] size

Explanation The ifIndex table is corrupted. [chars] is the path to the IfIndex file, and [dec] is the number of bytes that was being read from the ifIndex table when the corruption was detected.

Recommended Action Delete the ifIndex table.

Error Message IFMGR-3-INVALID_PERSISTENT_DATA: Invalid persistent data

Explanation The interface manager attempted to write invalid persistent data.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information.

IGMP_QUERIER Messages

Error Message IGMP_QUERIER-4-NO_IP_ADDR_CFG: The IGMP querier cannot send out General Query messages in VLAN [dec] because there is no IP address configured on the system.

Explanation An IP address for the IGMP querier was not configured at either the global or per-VLAN level. [dec] is the VLAN ID.

Recommended Action Configure a source IP address for the IGMP querier.

Error Message IGMP_QUERIER-4-PIM_ENABLED: The IGMP querier is operationally disabled in VLAN [dec] because PIM has been enabled on the SVI.

Explanation Protocol-Independent Multicast (PIM) was detected on the switch virtual interface (SVI). Do not enable the IGMP querier when PIM is enabled on the SVI. [dec] is the VLAN ID.

Recommended Action Ensure that PIM is disabled on the SVI.

Error Message IGMP_QUERIER-4-SNOOPING_DISABLED: The IGMP querier is operationally disabled in VLAN [dec] because IGMP snooping has been disabled in this VLAN.

Explanation IGMP snooping is disabled on this VLAN. Do not enable the IGMP querier when IGMP snooping is disabled. [dec] is the VLAN IDs.

Recommended Action Confirm that IGMP snooping is enabled both globally and on the VLAN.

Error Message IGMP_QUERIER-6-PIM_DISABLED: The IGMP querier is now operationally enabled in VLAN [dec] because PIM is no longer enabled on the SVI.

Explanation PIM is disabled on the SVI, and the IGMP querier function is now enabled. [dec] is the VLAN ID.

Recommended Action No action is required.

Error Message IGMP_QUERIER-6-SNOOPING_ENABLED: The IGMP querier is now operationally enabled in VLAN [dec] because IGMP snooping is no longer disabled.

Explanation IGMP snooping was enabled. As a result, the IGMP querier function is now enabled. [dec] is the VLAN ID.

Recommended Action No action is required.

ILET Messages

Error Message ILET-1-AUTHENTICATION_FAIL: This Switch may not have been manufactured by Cisco or with Cisco's authorization. This product may contain software that was copied in violation of Cisco's license terms. If your use of this product is the cause of a support issue, Cisco may deny operation of the product, support under your warranty or under a Cisco technical support program such as Smartnet. Please contact Cisco's Technical Assistance Center for more information.

Explanation A license authentication failure occurred for the switch.

Recommended Action Contact your Cisco sales representative for assistance.

Error Message ILET-1-DEVICE_AUTHENTICATION_FAIL: The [chars] inserted in this switch may not have been manufactured by Cisco or with Cisco's authorization. If your use of this product is the cause of a support issue, Cisco may deny operation of the product, support under your warranty or under a Cisco technical support program such as Smartnet. Please contact Cisco's Technical Assistance Center for more information.

Explanation A license authentication failure occurred for a component that was installed in the switch. [chars] is the component.

Recommended Action Contact your Cisco sales representative for assistance.

ILPOWER Messages

Error Message ILPOWER-3-CONTROLLER_ERR: Controller error, Controller number [dec]: [chars].

Explanation An error reported or caused by the PoE controller is detected. [dec] is the controller instance, which is 0 to 5 on a 24-port PoE switch and 0 to 11 on a 48-port PoE switch. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message ILPOWER-3-CONTROLLER_IF_ERR: Controller interface error, [chars]: [chars].

Explanation An interface error is detected between the PoE controller and the system. The first [chars] is the interface. The second [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message ILPOWER-3-CONTROLLER_PORT_ERR: Controller port error, Interface Fa0/7:Power given, but link is not up.

Explanation The inline-power-controller reported an error on an interface.

Recommended Action Enter the **shutdown** and **no shutdown** interface configuration commands on the affected interfaces. Upgrade to Cisco IOS Release 12.1(14)EA1 or later, which provides an electrostatic discharge (ESD) recovery mechanism.

Error Message ILPOWER-3-CONTROLLER_POST_ERR: Inline Power Feature is disabled on this switch because Power On Self Test (POST) failed on this switch. Please consult TECH support for further assistance

Explanation An error reported or caused by the Power over Ethernet (PoE) controller is detected during power-on self-test (POST).

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message ILPOWER-3-ILPOWER_INTERNAL_IF_ERROR: Inline Power internal error, interface [chars]: [chars].

Explanation A software check failed during PoE processing. The first [chars] is the interface. The second [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message ILPOWER-3-SHUT_OVERDRAWN: Interface [chars] is shutdown as it is consuming more than the maximum configured power ([dec]) milliwatts.

Explanation The interface is shut down because it is consuming more than the maximum power allocation. [chars] is the port, and [dec] is the maximum configured power.

Recommended Action Ensure that the cutoff-power value is configured for the device and is based on the powered-device specifications or ratings. We recommend configuring the cutoff power to a value higher than the required power for the device.

Error Message ILPOWER-4-LOG_OVERDRAWN: Interface [chars] is overdrawing power. it is consuming [dec] milliwatts where as maximum configured power is ([dec]) milliwatts.

Explanation The powered device is drawing more power than the maximum power configured on the interface. The power budgeting calculations determined by the switch are no longer valid, and you might risk overloading the switch. [chars] is the interface, and [dec] is the maximum configured power.

Recommended Action Ensure that the correct power is budgeted for this interface based on the powered-device electrical specifications or ratings. We recommend that you change the cutoff power value.

Error Message ILPOWER-5-CLR_OVERDRAWN: Interface [chars] is NOT overdrawing power. it is consuming [dec] milliwatts where as maximum configured value is ([dec]) milliwatts.

Explanation The device connected to the PoE interface is consuming less power than the maximum power allocation. [chars] is the interface. The first [dec] is the power being consumed, and the second [dec] is the maximum allocated power value.

Recommended Action No action is required.

Error Message ILPOWER-5-IEEE-DISCONNECT: Interface [chars]: PD removed.

Explanation The powered device is not connected to the switch, or the connected powered device is being powered by an external AC power source. The switch is no longer providing power to the port. [chars] is the interface.

Recommended Action No action is required.

Error Message ILPOWER-5-ILPOWER_POWER_CDP_SHUT: Interface [chars]: inline power shut

Explanation Inline power is shut down because CDP consumption power on this PoE port is greater than the allocation power, the hardware interface limit, the user-configured maximum power, or the available power on this switch. [chars] is the interface.

Recommended Action No action is required.

Error Message ILPOWER-5-ILPOWER_POWER_DENY: Interface [chars]: inline power denied.

Explanation There is not enough power remaining in the switch to supply to the PoE port. [chars] is the interface.

Recommended Action Connect the powered device to an external AC power source.

Error Message ILPOWER-5-INVALID_IEEE_CLASS: Interface [chars]: has detected invalid IEEE class: [dec] device. Power denied

Explanation The powered device has an invalid IEEE class so that the switch is not providing power to the device. [chars] is the interface. [dec] is the IEEE class number.

Recommended Action No action is required.

Error Message ILPOWER-5-LINKDOWN_DISCONNECT: Interface [chars]: Link down disconnect.

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

Recommended Action No action is required.

Error Message ILPOWER-5-POLICE_POWER_INVALID: Interface [chars]: invalid power police [dec] milliwatts current [dec] mA voltage [dec] mV

Explanation The power policing current or voltage value is invalid. [chars] is the interface. The first [dec] is the power policing limit (cutoff value in mW), the second [dec] is the power usage in mA, and the third [dec] is the power usage in mV.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message ILPOWER-5-POWER_GRANTED: Interface [chars]: Power granted.

Explanation The switch can provide power to the interface. [chars] is the interface.

Recommended Action No action is required.

Error Message ILPOWER-5-SENSE_POWER_INVALID: Interface [chars]: invalid power sense [dec] milliwatts current [dec] mA voltage [dec] mV

Explanation The power-monitoring voltage or current value is invalid. [chars] is the interface. The first [dec] is the power-monitoring cutoff value, the second [dec] is the real-time power consumption in mA, and the third [dec] is the real-time power consumption in mV.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message ILPOWER-7-DETECT: Interface [chars]: Power Device detected:[chars].

Explanation The switch has detected a connected powered device. The first [chars] is the interface. The second [chars] is the Cisco pre-standard powered device or the IEEE-compliant powered device.

Recommended Action No action is required.

IMAGEMGR Messages



Note

These messages apply only to the Catalyst 3750-X and 3750-E switches.

Error Message IMAGEMGR-6-AUTO_ADVERTISE_SW_INITIATED: Auto-advise-software process initiated for systems [bits: [hex]].

Explanation Systems with incompatible software have been detected in the switch stack. Auto-advise software informs you when not all switches in the stack are running the same software version. The stack master then attempts to upgrade all switches running different versions to the version that the master is running. The stack finds out whether or not software is available to be copied to the incompatible systems and if so, advises you how to copy it. Otherwise, the system informs you that the software on the switch stack needs to be updated. [bits [hex]] is the bit representation of the switch number.

Recommended Action No action is required.

Error Message IMAGEMGR-6-AUTO_ADVISE_SW: [chars].

Explanation A line of output from the auto-advise-software process is being displayed. [chars] is a text message reporting status of the upgrade process.

Recommended Action No action is required.

Error Message IMAGEMGR-6-AUTO_COPY_SW_INITIATED: Auto-copy-software process initiated for systems [bits: [hex]].

Explanation Systems with incompatible software have been detected in the switch stack. The stack now finds out whether or not software is available to be copied to the incompatible systems and whether or not it is appropriate to automatically copy the software. [bits [hex]] is the bit representation of the switch number.

Recommended Action No action is required.

Error Message IMAGEMGR-6-AUTO_COPY_SW: [chars].

Explanation A line of output from the auto-copy-software process appears. [chars] is a text message reporting status of the upgrade process.

Recommended Action No action is required.

Error Message IMAGEMGR-6-AUTO_DOWNLOAD_SW_INITIATED: Auto-download-software process initiated for systems [bits: [hex]].

Explanation Systems with incompatible software have been detected in the switch stack. The stack now attempts to download software from a previously configured location and to install it to make the systems compatible. [bits [hex]] is the bit representation of the switch number.

Recommended Action No action is required.

Error Message IMAGEMGR-6-AUTO_DOWNLOAD_SW: [chars].

Explanation A line of output from the auto-download-software process appears [chars] is a text message reporting the status of the upgrade process.

Recommended Action No action is required.

IP_DEVICE_TRACKING Messages

Error Message IP_DEVICE_TRACKING-4-TABLE_LOCK_FAILED: Table already locked by process-id [dec] ([chars])



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation The IP device tracking table could not be updated due to a lock held by another process. [dec] is the process number, and [chars] is the process.

Recommended Action No action is required.

MAC_MOVE Messages

Error Message MAC_MOVE-4-NOTIF: Host [enet] in vlan [dec] is flapping between port [chars] and port [chars].

Explanation The host is moving between the specified ports. [enet] is the Ethernet address of the host, [dec] is the VLAN ID, the first [chars] is the first port, and the second [chars] is the second port.

Recommended Action Check your network for loops.

PAGP Messages

Error Message PAGP_DUAL_ACTIVE-3-OBJECT_CREATE_FAILED: Unable to create [chars]

Explanation The switch cannot create the specified managed object. [chars] is the object name.

Recommended Action No action is required.

Error Message PAGP_DUAL_ACTIVE-3-RECOVERY_TRIGGER: PAgP running on [chars] informing virtual switches of dual-active: new active id [enet], old id [enet]

Explanation PAgP received a new active ID on the specified interface and all virtual switches moved into a dual-active scenario. As a result, the interface informed the virtual switches of this, which caused one switch to go into recovery mode. [chars] is the interface, the first [enet] is the new active ID, and the second [enet] is the ID that it replaces.

Recommended Action No action is required.

Error Message PAGP_DUAL_ACTIVE-3-REGISTRY_ADD_ERR: Failure in adding to [chars] registry

Explanation The switch could not add a function to the registry. [chars] is the registry name.

Recommended Action No action is required.

PHY Messages

Error Message PHY-4-BADTRANSCEIVER: An inappropriate transceiver has been inserted in interface [chars].

Explanation A transceiver that should not be used is in the specified interface.

Recommended Action Remove the transceiver. If the transceiver is a Cisco device, contact your Cisco technical support representative.

Error Message PHY-4-CHECK_SUM_FAILED: SFP EEPROM data check sum failed for SFP interface [chars].

Explanation The SFP module was identified as a Cisco SFP module, but the system cannot read the vendor data information to verify whether it is correct. [chars] is the interface in which the SFP module is installed.

Recommended Action Remove and then reinsert the SFP module. If it fails again with the same error message, the SFP module might be defective.

Error Message PHY-4-EXCESSIVE_ERRORS: Excessive FCS, data, or idle word errors found on interface [chars].

Explanation The system detected excessive frame check sequence (FCS), data word, or idle word errors on the specified interface. [chars] is the interface.

Recommended Action Enter the **show interface** privileged EXEC command on the specified interface, and check for cyclic redundancy check (CRC) and other input errors. If errors are excessive, enter the **shutdown** interface configuration command and then the **no shutdown** interface configuration command to reset the interface.

Error Message PHY-4-MODULE_DUP: SFPs in [chars] and in [chars] have duplicate vendor-id and serial numbers.

Explanation The SFP module was identified as a Cisco SFP module, but its vendor ID and serial number match that of another SFP module in the system. The first [chars] is the interface in which the SFP module is installed, the second [chars] is the interface where the duplicate SFP module is installed.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PHY-4-SFP_NOT_SUPPORTED: The SFP in [chars] is not supported

Explanation The SFP module type is not supported on this switch. [chars] is the interface.

Recommended Action Remove the unsupported SFP module, and get a supported SFP module.

Error Message PHY-4-UNSUPPORTED_SFP_CARRIER: Unsupported SFP carrier module found in [chars]

Explanation The SFP carrier module was identified as an unsupported, non-Cisco SFP carrier module. [chars] is the unsupported module.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PHY-4-UNSUPPORTED_TRANSCEIVER:Unsupported transceiver found in [chars]

Explanation The SFP module was identified as an unsupported, non-Cisco SFP module. [chars] is the unsupported module.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-5](#).

PIMSN Messages

Error Message PIMSN-6-IGMPSN_GLOBAL: PIM Snooping global runtime mode [chars] due to IGMP Snooping [chars].

Explanation When IGMP snooping is disabled, PIM snooping is disabled. When IGMP snooping is re-enabled, PIM snooping is re-enabled. The first [chars] is the PIM snooping mode, and the second [chars] is the IGMP snooping mode.

Recommended Action No action is required.

Error Message PIMSN-6-IGMPSN_VLAN: PIM Snooping runtime mode on vlan [dec] [chars] due to IGMP Snooping [chars].

Explanation When IGMP snooping is disabled, PIM snooping is disabled. When IGMP snooping is re-enabled, PIM snooping is re-enabled. [dec] is the VLAN ID, the first [chars] is the PIM snooping mode, and the second [chars] is the IGMP snooping mode.

Recommended Action No action is required.

PLATFORM Messages

Error Message PLATFORM-1-CRASHED: [chars].

Explanation The system is trying to display the failure message from the previous failure. [chars] is the description of the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM-3-NO_HARDWARE_RESOURCES: Not enough hardware resources. Shutting down [chars].

Explanation There are too many VLANs and routed ports. [chars] is the short interface name, such as Gi1/0/1, or the VLAN name, such as VLAN0002.

Recommended Action Reduce the total number of VLANs and routed ports to be less than 1023. To preserve configurations and connections across reboots, save the configuration.

Error Message PLATFORM-3-PW_REC_HRPC_BAD_LENGTH: Received incompatible length (=[dec]) in set-password-recovery HRPC message from box [dec].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation The system received an incompatible length parameter in the set-password-recovery HRPC message. This can be caused by a stack operating with incompatible software versions on different stack members. The first [dec] is the length and the second [dec] is the switch.

Recommended Action Make sure that all stack members are running compatible software images. If the message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM-3-PW_REC_HRPC_NOT_ON_MASTER: Set-password-recovery HRPC msg from box [dec] received on master.



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation The stack master has received a set-password-recovery HRPC message. These messages should be received only on stack member switches. [dec] is the switch.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM-3-PW_REC_HRPC_ONLY_ON_MASTER: Get-password-recovery HRPC msg from box [dec] received on member.



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation A stack member switch has received a get-password-recovery HRPC message. These messages should only be received by the stack master. [dec] is the switch.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM-4-FRULINK_UNSUPPORTED: Unsupported [chars] module inserted [chars]. Remove the unsupported module and insert a supported FRULink module.

Explanation The switch detected an unsupported field replaceable unit (FRU). The first [chars] is the unsupported FRU. The second [chars] is the slot.

Recommended Action Replace the unsupported FRU with a supported one.



Note This message applies only to the Catalyst 3750-X and 3560-X switches.

PLATFORM_ENV Messages

Error Message PLATFORM_ENV-1-FAN: Faulty fan detected.

Explanation A faulty fan is detected.

Recommended Action If the message appears again, immediately replace the switch fan.

Error Message PLATFORM_ENV-1-FAN_NOT_PRESENT: Fan is not present.

Explanation The fan is not in the switch.

Recommended Action If the fan is removable, remove and replace it into the switch. If the message appears again after insertion, replace the fan.

Error Message PLATFORM_ENV-1-FRU_PS_ACCESS: [chars].

Explanation The switch did not access the power supply due to a communication problem. [chars] is the error message.

Recommended Action This problem could be transient. If the message appears again, replace the power supply.

Error Message PLATFORM_ENV-1-FRU_PS_FAN_FAILED: Power supply fan failure detected.

Explanation A power supply fan failure is detected.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_ENV-1-FRU_PS_SIGNAL_FAULTY: [chars] signal on power supply is faulty.

Explanation The specified signal of the power supply is faulty. [chars] is the signal value (*12V* or *PoE*).

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_ENV-1-FRU_PS_SIGNAL_OK:[chars] signal on power supply is restored.

Explanation The specified signal of the power supply has been restored. [chars] is the signal value (12V or PoE).

Recommended Action No action is required.

Error Message PLATFORM_ENV-1-PS_NONPOE: Internal Power supply not adequate for inline power.

Explanation The internal power supply does not provide enough power for the Power over Ethernet (PoE) ports.

Recommended Action Substitute a power supply that can provide enough power for the PoE ports.

Error Message PLATFORM_ENV-1-RPS_ACCESS: [chars].

Explanation An RPS 2300 communication error is detected. [chars] is the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_ENV-1-RPS_FAN_FAILED: [chars].

Explanation An RPS 2300 fan failure is detected. [chars] is the error message.

Recommended Action Disconnect any switches connected to the RPS 2300, and immediately replace the fan.

Error Message PLATFORM_ENV-1-RPS_OVER_CURRENT: [chars].

Explanation An RPS 2300 over current condition is detected. [chars] is the error message.

Recommended Action Disconnect the switches from the RPS 2300 that is not providing power to them.

Error Message PLATFORM_ENV-1-RPS_PS_FAN_FAILED: RPS power supply fan failure detected [chars].

Explanation An RPS 2300 power supply fan failure is detected. [chars] is the power supply ID (A or B).

Recommended Action Disconnect any switches connected to the RPS 2300, and immediately replace the power supply.

Error Message PLATFORM_ENV-1-RPS_PS_MISMATCH: [chars].

Explanation The power supplies in the RPS 2300 are incompatible. [chars] is the error message.

Recommended Action Remove one of the power supplies, or use compatible power supplies.

Error Message PLATFORM_ENV-1-RPS_PS_SIGNAL_FAULTY: [chars] signal on RPS power supply [chars] is faulty.

Explanation The specified RPS 2300 has a faulty signal. The first [chars] is the signal value (*I2V* or *PoE*), and the second [chars] is the power supply ID (*A* or *B*).

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_ENV-1-RPS_PS_THERMAL_CRITICAL: RPS power supply temperature has reached critical threshold.

Explanation The power supply in the RPS 2300 has reached the critical threshold. It cannot function normally.

Recommended Action The external temperature is too high. Immediately reduce the room temperature.

Error Message PLATFORM_ENV-1-RPS_STANDBY: [chars].

Explanation A faulty RPS 2300 is detected. [chars] is the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_ENV-1-RPS_SYS_POWER_BAD: [chars].

Explanation The RPS 2300 system power state changed to *bad*. The RPS 2300 might not be able to provide power to the switch. [chars] is the error message.

Recommended Action Check the power supplies in the RPS 2300. If the message appears again, replace the power supplies.

Error Message PLATFORM_ENV-1-RPS_SYS_POWER_GOOD: [chars].

Explanation The RPS 2300 system power state changed to *good*. [chars] is the error message.

Recommended Action No action is required.

Error Message PLATFORM_ENV-1-RPS_THERMAL_CRITICAL: RPS temperature has reached critical threshold.

Explanation The temperature sensor value in the RPS 2300 has reached the critical threshold. It cannot function normally.

Recommended Action The external temperature is too high. Immediately reduce the room temperature in the room.

Error Message PLATFORM_ENV-1-TEMP: Abnormal temperature detected.

Explanation An abnormal temperature is detected.

Recommended Action Ensure that ambient temperature is not too high. If the message appears again, check the switch temperature by entering the **show env all** privileged EXEC command.

Error Message PLATFORM_ENV-2-RPS_THERMAL_WARNING: RPS temperature has reach warning threshold.

Explanation The temperature sensor value in the RPS 2300 has reached the warning threshold. The RPS can function normally until the temperature reaches the critical threshold.

Recommended Action The external temperature is high. Reduce the room temperature.

Error Message PLATFORM_ENV-3-RPS_BACKOFF_FAILED: [chars].

Explanation The RPS 2300 is continuing to back up the switch even though the command on the switch instructs it to no longer provide power to the switch. [chars] is the error message.

Recommended Action No action is required.

Error Message PLATFORM_ENV-3-RPS_CHANGE_TO_STANDBY: [chars].

Explanation The RPS 2300 state changed to *standby*. It can no longer provide power to the switch. [chars] is the error message.

Recommended Action No action is required.

Error Message PLATFORM_ENV-3-RPS_FAULTY_BACKUP: [chars].

Explanation The RPS 2300 is continuing to back up the switch even though the command on the switch instructs the RPS 2300 to no longer supply power to the switch. [chars] is the error message.

Recommended Action This problem could be transient. If the message appears again, disconnect and then reconnect the switch.

Error Message PLATFORM_ENV-3-RPS_POST_FAILED: [chars].

Explanation An RPS 2300 power-on self-test (POST) failure is detected. [chars] is the error message.

Recommended Action No action is required.

Error Message PLATFORM_ENV-5-RPS_THERMAL_NORMAL: RPS temperature is within the acceptable limit.

Explanation The temperature sensor value in the RPS 2300 is within the normal limit.

Recommended Action No action is required.

Error Message PLATFORM_ENV-6-FRU_PS_OIR: FRU Power Supply [chars].

Explanation A power supply is inserted or removed. [chars] is the power supply status that can be either *inserted* or *removed*.

Recommended Action No action is required.

Error Message PLATFORM_ENV-6-RPS: Redundant Power Supply (RPS) [chars].

Explanation The RPS 2300 state is changed. [chars] is the state (*added* or *removed*).

Recommended Action No action is required.

Error Message PLATFORM_ENV-6-RPS_INFO: Redundant Power Supply [chars].

Explanation This message has information about the RPS 2300. [chars] is the information (*inserted*, *is in active mode*, or *removed*).

Recommended Action No action is required.

Error Message PLATFORM_ENV-6-RPS_PS_INSERTED: [chars].

Explanation A power supply is inserted in the RPS 2300. [chars] is the system message.

Recommended Action No action is required.

Error Message PLATFORM_ENV-6-RPS_PS_REMOVED: [chars].

Explanation A power supply is removed from the RPS 2300. [chars] is the system message.

Recommended Action No action is required.

Error Message PLATFORM_ENV-6-FRU_PS_OIR: FRU Power Supply [dec] [chars].

Explanation A power supply was inserted or removed. [dec] is the power supply. [chars] is the power supply status that can be either *inserted*, *removed*, *powered on*, or *powered off*.

Recommended Action No action is required.

PLATFORM_FBM Messages

Error Message PLATFORM_FBM-4-RECOVERED: Fallback bridging recovered from resource crunch.

Explanation Fallback bridging has recovered from an earlier lack of resources.

Recommended Action No action is required.

Error Message PLATFORM_FBM-4-RESOURCE_CRUNCH: Fallback bridging on bridge-group [dec] is experiencing a resource crunch. One or more bridge-groups may not be functional. It will recover automatically when system recovers from resource crunch. Delete the bridge-group to immediately recover.

Explanation Fallback bridging could not be properly configured. The most likely cause is a hardware-full condition on at least one stack member. [dec] is the bridge group.

Recommended Action The switch automatically recovers, but this could take some time. For an immediate recovery, use the **shutdown** interface configuration command to disable the port and to stop the traffic flow to the switch. Use the **clear mac-address-table dynamic** privileged EXEC command to remove all MAC addresses from the hardware. Use the **no shutdown** interface configuration command to re-enable the port.

PLATFORM_HCEF Messages

Error Message PLATFORM_HCEF-3-ADJ: [chars]

Explanation An unsupported feature has been configured on a switch running Cisco IOS Release 12.2(25)SE. [chars] is the error message.

Recommended Action Determine if a generic routing encapsulation (GRE) tunnel or the **ip cef accounting** global configuration command are configured. Only Distance Vector Multicast Routing Protocol (DVMRP) tunnels are supported. If the GRE tunnel is configured, remove the tunnel, or

upgrade the switch software to a Cisco IOS release when the GRE feature is needed. If the **ip cef accounting** command is configured, remove it by using the **no ip cef accounting** global configuration command.



Note Cisco IOS Release 12.2(25)SEB2 does not support the **ip cef accounting** command.

PLATFORM_HPLM Messages

Error Message PLATFORM_HPLM-3-ERROR: Failed Alloc for xaction record label move from [dec] to [dec].

Explanation An internal resource allocation error occurred during the label compaction process. The first [dec] is the previous label, and the second [dec] is the new label.

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

Error Message PLATFORM_HPLM-6-LABEL_COMPLETE: VRF Label compaction complete.

Explanation The VRF label compaction process has successfully completed.

Recommended Action No action is required.

Error Message PLATFORM_HPLM-6-LABEL_FAILED: VRF Label compaction failed.

Explanation The VRF label compaction process has failed.

Recommended Action No action is required.

Error Message PLATFORM_HPLM-6-LABEL_START: VRF Label compaction started.

Explanation The VRF label compaction process has started.

Recommended Action No action is required.

PLATFORM_IPC Messages

Error Message PLATFORM_IPC-3-COMMON: [chars].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation There has been an IPC failure. [chars] describes the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_IPC-3-MASTER: [chars].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation There has been an IPC failure on the stack master. [chars] describes the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_IPC-3-MAX_LENGTH_EXCEEDED: [chars].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation An internal IPC application error occurred when an IPC message was sent that exceeded the maximum length. [chars] describes the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_IPC-3-MEMBER: [chars].

Explanation There has been an IPC failure on a stack member switch. [chars] describes the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_IPC-3-STACK_EVENT: [chars].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation There has been an IPC failure in the stack. [chars] describes the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

PLATFORM_IPv6_UCAST Messages

Error Message PLATFORM_IPv6_UCAST-6-PREFIX: One or more, more specific prefixes could not be programmed into TCAM and are being covered by a less specific prefix



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation A more specific prefix could not be programmed into Ternary Content Addressable Memory (TCAM) and is covered by a less specific prefix. This could be a temporary condition. The output of the **show platform ipv6 unicast retry route** privileged EXEC command lists the failed prefixes.

Recommended Action No action is required.

PLATFORM_PBR Messages

Error Message PLATFORM_PBR-2-NO_RMAP: Cannot create PBR data structures for route-map [chars].

Explanation The PBR manager could not allocate the internal data structures for this route-map. A likely cause is lack of available memory. [chars] is the route-map.

Recommended Action Simplify the configuration so that it requires less memory.

Error Message PLATFORM_PBR-3-INSTALL_FAIL: Policy route-map [chars] not installed in hardware.

Explanation The PBR manager could not install the complete route-map in hardware, so the packets are forwarded to the CPU for processing. [chars] is the route-map.

Recommended Action Simplify route-map configurations. For example, use the same route-map on multiple interfaces.

Error Message PLATFORM_PBR-3-NO_LABEL: Cannot allocate label for route-map [chars].

Explanation The PBR manager could not allocate a label for this route-map. As a result, the hardware cannot be programmed to implement policy routing. There is a limit of 247 labels for policy routing. [chars] is the route-map.

Recommended Action Simplify the configuration with label sharing. Use the same route-maps on multiple interfaces, if possible.

Error Message PLATFORM_PBR-3-UNSUPPORTED_RMAP: Route-map [chars] not supported for Policy-Based Routing.

Explanation The route-map attached to an interface for policy routing contains an action that is not supported. This is a hardware limitation. [chars] is the route-map.

Recommended Action Use the **route-map** *map-tag* **permit** global configuration command and the **set ip next-hop ip-address** route-map configuration command to reconfigure the route map to use only these supported actions.

Error Message PLATFORM_PBR-4-CPU_SUPPORTED_ACTION: Set action in sequence [dec] of route-map [chars] supported by forwarding to CPU.

Explanation The route-map attached to an interface for policy-based routing contains an action that is not supported in hardware, so the packets are forwarded to the CPU for processing. The route-map actions that invoke this forwarding are **set interface**, **set ip default next-hop**, **set default interface**, or **set ip df**. [dec] is the action number, and [chars] is the route-map.

Recommended Action Use the **set ip next-hop ip-address** route-map configuration command to reconfigure the route map action to route the packet to the specified next hop.

Error Message PLATFORM_PBR-4-RETRY_INSTALL: Route-map [chars] installed in hardware upon retry.

Explanation The PBR manager was able to fit the complete configuration into the hardware. One or more route-maps previously did not load because of lack of resources. [chars] is the route-map.

Recommended Action No action is required.

Error Message PLATFORM_PBR-4-SDM_MISMATCH: [chars] requires sdm template routing.

Explanation The routing template is not enabled. [chars] is the text string PBR.

Recommended Action Modify the SDM template to enable the routing template. Use the **sdm prefer** routing configuration command, and then reload the switch by using the **reload** privileged EXEC command.

PLATFORM_PM Messages

Error Message PLATFORM_PM-3-IFCOUNTERERROR: Unit number [dec] of interface [chars] is more than max allowed value of [dec].

Explanation There are too many interfaces configured for the interface type. [dec] is the interface count, [chars] is the interface, and [dec] is the maximum number of interfaces.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_PM-3-INTVLANINUSE: internal vlan-id [dec] allocated for interface [chars] is still in use.

Explanation An internal VLAN ID allocated for an interface is still in use. [dec] is the VLAN ID, and [chars] is the interface.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_PM-3-NOINTVLAN: internal vlan of interface [chars] is not active for vlan-id [dec].

Explanation The internal vlan_data is not active for the given VLAN ID. [chars] is the interface, and [dec] is the VLAN ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

PLATFORM_RPC Messages

Error Message PLATFORM_RPC-0-RESOURCE_CRASH: [chars].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation The system cannot allocate memory for RPC. [chars] describes the error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_RPC-3-BAD_CLASS: Bad Class in RPC message: [int].



Note This message applies only to Catalyst 3750-X and 3750-E switches.

Explanation There is a missing entry in the class table for a message class. [int] is the number of the missing message class.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_RPC-3-MSG_THROTTLED: RPC Msg Dropped by throttle mechanism: type [int], class [int], max_msg [int], total throttled [int].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation There are too many outgoing messages queued for a message class. An RSP message was dropped. The first [int] is the message type, the second [int] is the message class, the third [int] is the maximum number of messages that can be queued before throttling occurs, and the last [int] is the total number of messages that have been throttled.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_RPC-3-PERSISTENT_UNABLE_TO_SEND: System is consistently unable to send RPC message: [chars], paks_outstanding: [int].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation The system is experiencing a persistent low-level transport failure in sending RPC messages. [chars] is a description of the error returned by the low-level packet-sending driver that triggered the error (usually one of these: *fifo full*, *fifo empty*, *out of buf*, *out of mem*, *null pointer*, *misc failure*), and [int] is the number of packets outstanding (packets from the RPC code to the driver that have not yet been sent).

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_RPC-3-RESP_FAIL: Unexpected response or failure, class [dec], req [dec], switch [dec], error [dec], [chars].

Explanation The platform received an unexpected response. The first [dec] is RPC request class, the second [dec] is the RPC request number, the third [dec] is the destination switch number, the fourth [dec] is the returned error number, and [chars] is an optional comment.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_RPC-3-SEND_FAIL: Failed to send RPC message in class [dec], req [dec], [chars].



Note This message applies only to Catalyst 3750-X and 3750-E switches.

Explanation There is a local resource error or that too many outgoing messages are queued for the message class. The first [dec] is RPC request class, the second [dec] is the RPC request number, and [chars] is an optional comment.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_RPC-3-UNABLE_TO_SEND: System is unable to send RPC message: [chars], paks_outstanding: [int].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation The system had a low-level transport failure when trying to send an RPC message. [chars] is a description of the error returned by the low-level packet sending driver that triggered the error (usually one of these: *fifo full*, *fifo empty*, *out of buf*, *out of mem*, *null pointer*, *misc failure*), and [int] is the number of packets outstanding (packets from the RPC code to the driver that have not yet been sent).

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

PLATFORM_SPAN Messages

Error Message PLATFORM_SPAN-3-FEATUREMISMATCH:[chars] cannot be supported with the image running on switch [dec].

Explanation A switch stack member software image does not support a specific flow-based SPAN (FSPAN) access control list (ACL) filter. [chars] is the FSPAN ACL filter that is not supported, and [dec] is the stack member number.

Recommended Action Upgrade to an image that supports the FSPAN ACL filter.

Error Message PLATFORM_SPAN-3-PACKET_DROP: Decreases egress SPAN rate.

Explanation Egress SPAN rates are falling because SPAN is enabled with multicast routing or fallback bridging.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

PLATFORM_STACKPOWER Messages



Note

These messages apply only to the Catalyst 3750-X switch.

Error Message PLATFORM_STACKPOWER-6-CABLE_EVENT: Switch [dec] stack power cable [chars] [chars]

Explanation One of the power cables connected to the switch stack has been inserted or removed. [dec] is the stack member number. The first [chars] is the power cable number: 1 is for the main power cable or 2 is for the redundant power cable. The second [chars] is the power cable status; 1 if the cable is inserted or 2 if the cable is removed.

Recommended Action No action is required.

Error Message PLATFORM_STACKPOWER-6-LINK_EVENT: Switch [dec] stack power protocol is up on cable [chars]

Explanation One of the power cables can now provide power to the switch stack. [dec] is the stack member number. [chars] is the power cable number: 1 for the main power cable; 2 for the redundant power cable.

Recommended Action No action is required.

Error Message PLATFORM_STACKPOWER-4-TOO_MANY_ERRORS: Switch [dec] Too many errors seen on port [chars]

Explanation There are too many errors on the port providing power to the switch stack. [dec] is the stack member number. [chars] is the port (1 or 2).

Recommended Action Verify the stack cable connections. If the stack port is shut down, enable it. If the message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-VERSION_MISMATCH: Major version mismatch in stack power protocol message on switch [dec]

Explanation A version mismatch exists between the switch and the other stack members. [dec] is the stack member number.

Recommended Action Ensure that all switches in the power stack are running the same Cisco IOS software release.

Error Message PLATFORM_STACKPOWER-3-INVALID_TOPOLOGY: Invalid power stack topology observed by switch [dec] [chars]

Explanation The power stack topology is invalid. The switch is forced into standalone mode. [dec] is the stack member number. [chars] is a number that explains the reason for the invalid power stack topology.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-POWER_BUDGET: Switch [dec] power budget is at least 1000W greater than its local supplies

Explanation The power budget of the switch is more than 1000 W above the rated power output for the switch stack’s power supplies. Add another power supply to the switch stack. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-CABLE_A_CURRENT_IN: Switch [dec] stack power cable 1 inward current is over the limit

Explanation Power cable 1 of the switch stack has an inward current that is over 40 A. Add another power supply to the switch stack. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-CABLE_B_CURRENT_IN: Switch [dec] stack power cable 2 inward current is over the limit

Explanation Power cable 2 of the switch stack has an inward current that is over 40 A. Add another power supply to the switch stack. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-CABLE_A_CURRENT_OUT: Switch [dec] stack power cable 1 outward current is over the limit

Explanation Power cable 1 of the switch stack has an outward current that is over 40 A. Remove a power supply from the switch stack. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-CABLE_B_CURRENT_OUT: Switch [dec] stack power cable 2 outward current is over the limit

Explanation Power cable 2 of the switch stack has an outward current that is over 40 A. Remove a power supply from the switch stack. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-UNDER_BUDGET: Switch [dec] does not have sufficient power budget

Explanation The power budget of the switch is less than the minimum required switch budget. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-UNBALANCED_PS: Switch [dec] [dec] power stack has unbalanced power supplies

Explanation The switch stack has a switch with multiple power supplies, but another switch in the same switch stack has no power supplies. The first [dec] is the switch with multiple power supplies. The second [dec] is the switch without power supplies.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-INSUFFICIENT_PWR: Switch [dec]...[dec] power stack does not have enough power

Explanation The switch stack does not have enough power to start all the switches in the stack. [dec] [dec] are the switches that could not be started.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-PRIO_CONFLICT: Switch [dec] [dec] power stack has conflicting power priorities

Explanation The power priorities of one stack switch conflict with the power priorities of another stack switch. The first [dec] and the second [dec] are the switches that have conflicting power priorities.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-UNDER_VOLTAGE: Switch [dec] experienced an under voltage condition

Explanation The switch had a low-voltage condition during the last time that it started or shut down. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-GLS_EVENT: Switch [dec] experienced a graceful load shed event

Explanation The switch shut down because of a sustained overload condition (SOC). [dec] is the stack member number. A SOC occurs if the power supplies carry a load of twice (or more) the rated output for 20 ms or longer.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-ILS_EVENT: Switch [dec] experienced an immediate load shed event

Explanation The switch shut down because of a power supply failed (PS_FAIL) condition. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-SRLS_EVENT: Switch [dec] experienced a system ring load shed event

Explanation The switch shut down because of a system ring load shed (SRLS) event. [dec] is the stack member number. One example of an SRLS event is a situation in which a switch is physically removed from the power stack by a cable removal and that switch is a sourcing system in a ring topology.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-SSLS_EVENT: Switch [dec] experienced a system star load shed event

Explanation The switch shut down because of a system star load shed (SSLS) event. [dec] is the stack member number. One example of an SSLS event is a situation in which a switch is physically removed from the power stack by a cable removal and that switch is a sourcing system in a star topology.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-UVLS_EVENT: Switch [dec] experienced an under voltage load shed event

Explanation The switch shut down because of a low-voltage condition. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-REDUNDANCY_LOSS: Switch [dec]...[dec] power stack lost redundancy and is now operating in power sharing mode

Recommended Action The switch stack with this switch has lost redundancy and is operating in power sharing mode. [dec] ... [dec] are the stack member numbers that operate in power sharing mode.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-BISP: Switch [dec] experienced a BISP event

Explanation A built-in self protection (BSIP) event occurred. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-NEIGHBOR_BISP: [dec] [dec] neighbor switch experienced a BISP event

Explanation A built-in self protection (BSIP) event occurred on a switch neighbor. The first [dec] and second [dec] are the stack member numbers on each side of the neighbor.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-NEIGHBOR_GLS: Switch [dec] [dec] neighbor switch experienced a graceful load shed event

Explanation A neighbor switch shut down because of a sustained overload condition (SOC). The first [dec] and second [dec] are the stack member numbers on each side of the neighbor. A SOC occurs if the power supplies carry a load of twice (or more) the rated output for 20 ms or longer.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-NEIGHBOR_ILS: Switch [dec] [dec] neighbor switch experienced an immediate load shed event

Explanation A neighbor switch shut down because of a power supply failed (PS_FAIL) condition. The first [dec] and second [dec] are the stack member numbers on each side of the neighbor.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_STACKPOWER-4-NEIGHBOR_SRLS: Switch [dec] [dec] neighbor switch experienced a system ring load shed event

Explanation A neighbor switch shut down because of a system ring load shed (SRLS) event. The first [dec] and second [dec] are the stack member numbers on each side of the neighbor. One example of an SRLS event is a situation in which a switch is physically removed from the power stack by a cable removal and that switch is a sourcing system in a ring topology.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-NEIGHBOR_SSLS: Switch [dec] [dec] neighbor switch experienced a system star load shed event

Explanation A neighbor switch shut down because of a system star load shed (SSLS) event. The first [dec] and second [dec] are the stack member numbers on each side of the neighbor. One example of an SSLS event is a situation in which a switch is physically removed from the power stack by a cable removal and that switch is a sourcing system in a star topology.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-NEIGHBOR_UVLS: Switch [dec] [dec] neighbor switch experienced an under voltage load shed event

Explanation A neighbor switch shut down because of a low-voltage condition. The first [dec] and second [dec] are the stack member numbers on each side of the neighbor.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-BISP_POE_OVER_I: Switch [dec] experienced a PoE over-current BISP event

Explanation Ports stopped providing Power over Ethernet (PoE) because of a built-in self protection (BISP) event that was caused by an overcurrent condition. [dec] is the stack member number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-BISP_POE_PORT: Switch [dec] experienced a port BISP event

Explanation A built-in self protection (BISP) event that affected Power over Ethernet (PoE) occurred. [dec] is the stack member number.

Recommended Action No action is required.

Error Message PLATFORM_STACKPOWER-4-BISP_PORT_A_SC: Switch [dec] experienced a short-circuit BISP event on port 1

Explanation A short-circuit built-in self protection (BISP) event occurred on port 1 of the switch. [dec] is the stack member number.

Recommended Action Disable and then enable port 1 of the switch. If the message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-BISP_PORT_B_SC: Switch [dec] experienced a short-circuit BISP event on port 2

Explanation A short-circuit built-in self protection (BISP) event occurred on port 2 of the switch. [dec] is the stack member number.

Recommended Action Disable and then enable port 2 of the switch. If the message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_STACKPOWER-4-BISP_NBR_DEAD: Switch [dec] [dec] neighbor experienced a major BISP event

Explanation A major built-in self protection (BISP) event shut down the neighbor of the switch. The first [dec] and second [dec] are the stack member numbers on each side of the neighbor.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

PLATFORM_UCAST Messages

Error Message PLATFORM_UCAST-3-ADJ: [chars].

Explanation An error occurred in the adjacency module for unicast routing. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-3-ARP: [chars].

Explanation An error occurred in the ARP module for unicast routing. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-3-CEF: [chars].

Explanation An error occurred in the Cisco Express Forwarding (CEF) module for unicast routing. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-3-DYNAMIC: [chars].

Explanation An error occurred in the dynamic address tracking mechanism for unicast routing. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-3-ERROR: [chars].

Explanation An internal unicast routing error occurred. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-3-HSRP: [chars].

Explanation An error occurred in the Hot Standby Router Protocol (HSRP) module for unicast routing. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-3-INTERFACE: [chars].

Explanation A unicast routing interface error occurred. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-3-RPC: [chars].

Explanation An error occurred in the RPC module for unicast routing. [chars] describes the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PLATFORM_UCAST-6-PREFIX: One or more, more specific prefixes could not be programmed into TCAM and are being covered by a less specific prefix

Explanation A more specific prefix could not be programmed into TCAM and is covered by a less specific prefix. This could be a temporary condition. The output of the **show platform ip unicast failed route** privileged EXEC command lists the failed prefixes.

Recommended Action No action is required.

PLATFORM_VLAN Messages

Error Message PLATFORM_VLAN-3-LOCK_FAIL: Failed to lock vlan-id [dec], associated mapped vlan id value [dec].

Explanation The VLAN lock operation failed. This can occur if the VLAN is already active in the system or if the VLAN ID is not active. The first [dec] is the VLAN ID, and the second [dec] is the mapped-vlan-id (MVID).

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_VLAN-3-MVID_ERROR: Mapped Vlan ID value [dec] associated with vlan-id [dec] is invalid.

Explanation An active VLAN is not correctly associated with a MVID. The first [dec] is the VLAN ID, and the second [dec] is the MVID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PLATFORM_VLAN-3-UNLOCK_FAIL: Failed to unlock vlan-id [dec], associated mapped vlan id value [dec].

Explanation The switch did not unlock a VLAN ID. The most likely cause is that the VLAN is already unlocked. The first [dec] is the VLAN ID, and the second [dec] is the MVID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

PLATFORM_WCCP Messages

Error Message PLATFORM-WCCP-3-NO_LABEL: Cannot allocate WCCP Label

Explanation The WCCP label could not be allocated. This means that the hardware cannot be programmed to implement WCCP redirection.

Recommended Action Reduce the number of interfaces configured for WCCP redirection or policy based routing.

Error Message PLATFORM-WCCP-4-SDM_MISMATCH: WCCP requires sdm template routing

Explanation The SDM routing template must be enabled to support this feature.

Recommended Action Modify the SDM template to enable the routing template. Use the **sdm prefer routing** global configuration command, and then reload the switch by using the **reload** privileged EXEC command.

PM Messages

Error Message PM-2-LOW_SP_MEM: Switch process available memory is less than [dec] bytes.

Explanation The available memory for the switch processor is low. This can occur when too many Layer 2 VLANs are configured. [dec] is the available memory.

Recommended Action Remove VLANs from the system to reduce memory usage.

Error Message PM-2-NOMEM: Not enough memory available for [chars].

Explanation The port manager subsystem could not obtain the memory it needed to initialize the specified operation. [chars] is the port manager operation.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-2-VLAN_ADD: Failed to add VLAN [dec] - [chars].

Explanation The software did not add the VLAN to the VLAN Trunking Protocol (VTP) database. [dec] is the VLAN ID, and [chars] specifies the reason for the failure.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-3-INTERNALERROR: Port Manager Internal Software Error ([chars]: [chars]: [dec]: [chars]).

Explanation An internal software error occurred in the port manager. The parameters identify the problem for technical support. The first [chars] is the error message, and the second [chars] is the filename. [dec] is the line number, and the last [chars] is the function name.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-BAD_APP_ID: an invalid application id ([dec]) was detected.

Explanation The port manager detected an invalid request. [dec] is the application ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-BAD_APP_REQ: an invalid [chars] request by the '[chars]' application was detected.

Explanation The port manager detected an invalid request. The first [chars] is the invalid request, and the second [chars] is the application making the request.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-BAD_CARD_COOKIE: an invalid card cookie was detected.

Explanation The port manager detected an invalid request.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-BAD_CARD_SLOT: an invalid card slot ([dec]) was detected.

Explanation The port manager detected an invalid request. [dec] is the slot number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-BAD_COOKIE: [chars] was detected.

Explanation The port manager detected an invalid request. [chars] is the invalid request.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-BAD_HA_ENTRY_EVENT: Invalid Host access entry event ([dec]) is received.

Explanation An invalid host access entry event was received. The host access table entry event should be an add, delete, or update event. [dec] is the event that is received.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-BAD_PORT_COOKIE: an invalid port cookie was detected.

Explanation The port manager detected an invalid request.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-BAD_PORT_NUMBER: an invalid port number ([dec]) was detected.

Explanation The port manager detected an invalid request. [dec] is the port number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-BAD_VLAN_COOKIE: an invalid vlan cookie was detected.

Explanation The port manager detected an invalid request.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-BAD_VLAN_ID: an invalid vlan id ([dec]) was detected.

Explanation The port manager detected an invalid request. [dec] is the VLAN ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-ERR_DISABLE: [chars] error detected on [chars], putting [chars] in err-disable state.

Explanation The port manager detected a misconfiguration or misbehavior and error-disabled the interface. A recovery is attempted after the configured retry time (the default is 5 minutes). On PoE switches, this message might appear when a device that can be powered by either a PoE switch port or by AC power is not being powered by an external AC power source and is connected to a port that

has been configured with the **power inline never** interface configuration command. [chars] is the port where the threshold was exceeded. The first [chars] is the error, and both the second and third [chars] are the affected interface.

Recommended Action On non-PoE switches, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. On PoE switches, remove the device or configure the port by entering the **power inline auto, shutdown**, and **no shutdown** interface configuration commands. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-ERR_DISABLE_VP: [chars] error detected on [chars], vlan [dec]. Putting in err-disable state.

Explanation The virtual port (that is, the port-VLAN pair) is error-disabled state when it detects a misconfiguration or misbehavior. If configured, a recovery will be attempted after the configured retry time (default time is 5 minutes). The first [chars] is the error, and the second [chars] is the port.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-ERR_RECOVER: Attempting to recover from [chars] err-disable state on [chars].

Explanation The port manager is trying to restart an error-disabled interface. The first [chars] is the error, and the second [chars] is the interface.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-ERR_RECOVER_VP: Attempting to recover from [chars] err-disable state on [chars], vlan [dec].

Explanation The port manager is trying to restart an error-disabled virtual port. The first [chars] is the error, the second [chars] is the virtual port, and [dec] is the VLAN ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-EXT_VLAN_INUSE: VLAN [dec] currently in use by [chars].

Explanation The port manager did not allocate the VLAN for external use because the VLAN is being used by another feature. [dec] is the VLAN that is being used, and [chars] is the feature that is using it.

Recommended Action Reconfigure the feature (for example, the routed port) to use another internal VLAN or to request another available VLAN.

Error Message PM-4-EXT_VLAN_NOTAVAIL: VLAN [dec] not available in Port Manager.

Explanation The port manager did not allocate the requested VLAN. The VLAN is probably being used as an internal VLAN by other features. [dec] is the requested VLAN.

Recommended Action Configure a different VLAN on the device.

Error Message PM-4-INACTIVE: putting [chars] in inactive state because [chars].

Explanation The port is inactive because the port manager could not create a virtual port for the switch port and VLAN. The reason for this condition is specified in the error message. The first [chars] is the interface name, and the second [chars] is the reason.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-INT_FAILUP: [chars] failed to come up. No internal VLAN available.

Explanation The port manager did not allocate an internal VLAN. The interface cannot be enabled. [chars] is the interface name.

Recommended Action Remove the extended-range VLAN by using the **no vlan *vlan-id*** global configuration command to free up resources.

Error Message PM-4-INT_VLAN_NOTAVAIL: Failed to allocate internal VLAN in Port Manager.

Explanation The port manager did not find any available internal VLAN.

Recommended Action Delete some extended-range VLANs created by users, or remove some features (such as routed ports) that require internal VLAN allocation. To delete extended-range VLANs, use the **no vlan *vlan-id*** global configuration command. To delete a routed port, use the **no switchport** interface configuration command.

Error Message PM-4-INVALID_HOST_ACCESS_ENTRY: Invalid Host access entry type ([dec]) is received.

Explanation An invalid host access entry type was received. The host access entry should be a configured or a dynamic type. [dec] is the entry type that is received.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-LIMITS: The number of vlan-port instances on [chars] exceeded the recommended limit of [dec].

Explanation The total number of individual VLAN ports on the module or the switch has exceeded the recommended limit. VLANs can be counted more than once. If VLAN 1 is carried on ten interfaces, it counts as ten VLAN ports. On some platforms, bundling is also ignored for purposes of this count. If eight interfaces on the same module are in one bundle, and the port channel is carrying VLAN 1, it counts as eight VLAN ports. [chars] is the module name (for example, switch or the module number), and [dec] is the recommended limit.

Recommended Action Reduce the number of trunks and VLANs configured in the module or switch as recommended in [dec]. Enter the **show interfaces trunk** privileged EXEC command to see the total number of trunks and VLANs.

Error Message PM-4-NO_SUBBLOCK: No PM subblock found for [chars].

Explanation The port manager did not find the subblock for this interface. [chars] is the interface name.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message PM-4-PORT_BOUNCED: Port [chars] was bounced by [chars].

Explanation During a change-over when the port was in the link-down state, the port manager restarted the port. A port can be restarted only when the port data structures are not consistent in the active and standby supervisors. Active ports in the link-down state return to the link-up state when the port is restarted. The first [chars] is the port number, and the second [chars] is the re-activation event.

Recommended Action No action is required.

Error Message PM-4-PVLAN_TYPE_CFG_ERR: Failed to set VLAN [dec] to a [chars] VLAN.

Explanation The platform did not set a private VLAN type. [dec] is the VLAN ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-TOO_MANY_APP: application '[chars]' exceeded registration limit.

Explanation The port manager detected an invalid request. [chars] is the application.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-UNKNOWN_HOST_ACCESS: Invalid Host access value ([dec]) is received.

Explanation The host access table is being accessed with an invalid host access value. [dec] is the value that is received.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message PM-4-VMPS_CFG: Dynamic access VLAN [dec] same as voice vlan on [chars].

Explanation The access VLAN ID on the VMPS server is the same as the voice VLAN ID on the interface. [dec] is the access VLAN ID, and [chars] is the physical interface.

Recommended Action Assign the access VLAN on the VMPS server to a VLAN ID that is different from the voice VLAN ID.

Error Message PM-6-EXT_VLAN_ADDITION: Extended VLAN is not allowed to be configured in VTP CLIENT mode.

Explanation The switch did not add a VLAN in VTP client mode.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see [Error Message Traceback Reports, page 1-7](#).

PORT_SECURITY Messages

Error Message PORT_SECURITY-2-PSECURE_VIOLATION: Security violation occurred caused by MAC [enet] on port [chars].

Explanation An unauthorized device attempted to connect on a secure port. [enet] is the MAC address of the unauthorized device, and [chars] is the secure port.

Recommended Action Identify the device that attempted to connect on the secure port. Notify your network system administrator of this condition.

Error Message PORT_SECURITY-2-PSECURE_VIOLATION_VLAN: Security violation on port [chars] due to MAC address [enet] on VLAN [dec]

Explanation An unauthorized device attempted to connect on a secure trunk port. [chars] is the secure port, [enet] is the MAC address of the unauthorized device, and [dec] is the VLAN ID.

Recommended Action Identify the device that attempted to connect through the secure trunk port. Notify your network system administrator of this condition.

Error Message PORT_SECURITY-6-ADDR_REMOVED: Address [dec]:[enet] exists on port [chars]. It has been removed from port [chars].

Explanation A routed port is reconfigured as a switch port. The address in the previous switch configuration conflicts with the running configuration and has been deleted. [dec]:[enet] is the MAC address of the port, and [chars] is the reconfigured port.

Recommended Action No action is required.

Error Message PORT_SECURITY-6-ADDRESSES_REMOVED: Maximum system secure address count reached. Some secure addresses configured on port [chars] removed.

Explanation Some configured and sticky MAC addresses on the specified port were removed from the configuration. The number of secure addresses that the system supports was exceeded. This condition occurs only during hot swapping or port-mode changes (for example, when the port is converted from a Layer 3 to a Layer 2 port). [chars] is the port.

Recommended Action No action is required.

Error Message PORT_SECURITY-6-VLAN_FULL: Vlan [dec] on port [chars] has reached its limit. Address [enet] has been removed.

Explanation The voice VLAN is the same as the access VLAN. Because the maximum number of MAC addresses allowed on the access VLAN has been reached, the specified Ethernet address has been deleted. [dec] is the VLAN ID, [chars] is the port assigned to the voice VLAN and the access VLAN, and [enet] is the Ethernet address.

Recommended Action No action is required.

Error Message PORT_SECURITY-6-VLAN_REMOVED: VLAN [int] is no longer allowed on port [chars]. Its port security configuration has been removed.

Explanation A configured VLAN is not allowed either due to a port mode change or an allowed VLAN list change and is removed from the configuration. [int] is the VLAN ID, and [chars] is the switch port assigned to the VLAN.

Recommended Action No action is required.

POWERNET_ISSU Messages

Error Message POWERNET_ISSU-4-SM_EW_DOMAIN_MISMATCH: Energywise domain of EtherSwitch is [chars], recommended to have [chars].

Explanation The EnergyWise domain of the service module does not match that of the switch. The first [chars] is the EnergyWise domain of the service module. The second [chars] is the EnergyWise domain of the router.

Recommended Action Configure the EnergyWise domain of the service module to match that of the switch. If the message recurs, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information.

**Note**

This message applies only to the Catalyst 3750-X and 3560-X switches.

PT Messages

Error Message PT-3-PT_HW_UNAVAIL: Protocol Tunneling hardware resource not available. [chars]

Explanation Protocol tunneling could not be enabled because no redirect registers are available. Protocol tunneling requires redirect registers. [chars] is the hardware resource that is not available.

Recommended Action Disable any applications that use redirect registers, and try configuring the protocol tunneling again.

QOSMGR Messages

Error Message QOSMGR-3-FEATURE_NOT_FOUND: Cannot find feature for [chars].

Explanation An internal software error has occurred. [chars] is the description of the feature that the software cannot find.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message QOSMGR-3-FILTERTYPE_INVALID: Internal Error Invalid Policy filtertype [dec].

Explanation An internal software error has occurred. [dec] is the invalid filter type identification.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message QOSMGR-3-MERGE_RES_COUNT: Internal Error Invalid count.

Explanation An internal software error has occurred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message QOSMGR-3-NO_POLICER_QOSLABEL: Creating port Class Label Failed.

Explanation An internal software error has occurred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-NO_VMR_QOSLABEL: qm_generate_vmrs have no qos label.

Explanation An internal software error has occurred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-NULL_POLICER: Internal Error Invalid Policer.

Explanation An internal software error has occurred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-POLICER_RES_COUNT: Internal Error Invalid Policer count.

Explanation An internal software error has occurred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-POLICYMAP_NOT_FOUND: Cannot find policymap for [chars].

Explanation An internal software error has occurred. [chars] is the policy-map name.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-QUEUE_PTR_ERROR: queue pointers out of order [hex] [hex] [hex] [hex].

Explanation An internal software error has occurred. [hex] [hex] [hex] [hex] are the software-computed queue pointer values. The parameters provide error details for technical support.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-RESERVE_COUNT_ERROR: Reserved Count Exceeding total [dec].

Explanation An internal software error has occurred in the allocated reserved buffers. [dec] is the reserved count computed by the software.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-RESOURCE_INTERNAL: Internal Error in resource allocation.

Explanation An internal software error has occurred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-3-VMRSEQ_INVALID: Internal Error Invalid VMR sequence.

Explanation An internal software error has occurred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message QOSMGR-4-ACTION_NOT_SUPPORTED: Action is not supported in policymap [chars].

Explanation An action other than the **set**, **trust**, and **police** policy-map class configuration commands was configured in a policy map. This is a hardware limitation. [chars] is the policy-map name.

Recommended Action Configure only the supported actions of **set**, **trust**, and **police** when in policy-map class configuration mode.

Error Message QOSMGR-4-CLASS_NOT_SUPPORTED: Classification is not supported in classmap [chars].

Explanation An unsupported **match** class-map configuration command was configured in a policy map and attached to an egress interface, or more than one **match** class-map command was configured. This is a hardware limitation. [chars] is the class-map name.

Recommended Action Reconfigure the class map or the policy map. Use only the **match ip dscp dscp-list** class-map configuration command in a policy map that is attached to an egress interface. Only one match per class map is supported.

Error Message QOSMGR-4-COMMAND_FAILURE: Execution of [chars] command failed.

Explanation The command to configure a QoS setting failed. This is possibly due to lack of hardware resources. [chars] is the description of the command.

Recommended Action Look for any other messages that indicate resource failure. If other messages indicate that the hardware resources are exceeded, retry the command with a smaller configuration. If the message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Recommended Action QOSMGR-4-HARDWARE_NOT_SUPPORTED: Hardware limitation has reached for policymap [chars].

Explanation The policy-map configuration has exceeded the limitation of the hardware. You configured more QoS ACL entries than the number specified in the SDM template. [chars] is the policy-map name.

Recommended Action Reconfigure the class map or the policy map, and reduce the number of QoS ACLs.

Error Message QOSMGR-4-MATCH_NOT_SUPPORTED: Match type is not supported in classmap [chars].

Explanation An unsupported match type was entered. Only the **access-group** *acl-index-or-name*, **ip dscp** *dscp-list*, and **ip precedence** *ip-precedence-list* match types are supported with the **match** class-map configuration command. [chars] is the class-map name.

Recommended Action Reconfigure the class map using only the **match access-group**, **match ip dscp**, and **match ip precedence** class-map configuration commands within the class map.

Error Message QOSMGR-4-NOT_SUPPORTED: Action '[chars]' is not supported for a policymap attached to output side.

Explanation A **set** or **trust** policy-map class configuration command was configured in a policy map and attached to an egress interface. A warning message is logged, and the actions do not take effect. This is a hardware limitation. [chars] is either the set or trust action.

Recommended Action Do not configure a **set** or **trust** policy-map class configuration command in a policy map and attach it to an egress interface. These policy-map actions are supported only on ingress interfaces.

Error Message QOSMGR-4-POLICER_PLATFORM_NOT_SUPPORTED: Policer configuration has exceeded hardware limitation for policymap [chars].

Explanation The policy-map configuration has exceeded the hardware limitation. An attempt to configure more policers in all policy maps (by using the **police** or **police aggregate** policy-map class configuration command) than supported by the hardware, which is not allowed, caused this condition. [chars] is the policy-map name.

Recommended Action Reconfigure the class maps or the policy maps, or delete the policy map from some interfaces.

Error Message QOSMGR-4-POLICER_POLICY_NOT_SUPPORTED: Number of policers has exceeded per policy hardware limitation for policymap [chars].

Explanation The policy-map configuration has exceeded the hardware limitation. An attempt to configure more policers in a policy map (by using the **police** or **police aggregate** policy-map class configuration command) than supported by the hardware, which is not allowed, caused this condition. [chars] is the policy-map name.

Recommended Action Reconfigure the class map or the policy map, and reduce the number of policers.

RMON Messages

Error Message RMON-5-FALLINGTRAP: Falling trap is generated because the value of [chars] has fallen below the falling-threshold value [dec].

Explanation A falling trap has been generated. The value of the specified MIB object is below the falling threshold value. [chars] is the MIB object, and [dec] is the threshold value.

Recommended Action Take appropriate action on the specified MIB object.

Error Message RMON-5-RISINGTRAP: Rising trap is generated because the value of [chars] exceeded the rising-threshold value [dec].

Explanation A rising trap has been generated. The value of the specified MIB object is above the rising threshold value. [chars] is the MIB object, and [dec] is the threshold value.

Recommended Action Take appropriate action on the specified object.

SCHED Messages

Error Message SCHED-3-UNEXPECTEDEVENT: [traceback] [process information] Process received unknown event (maj [hex], min [hex])

Explanation A process did not handle an event. The first [hex] is the major event number, and the second [hex] is the minor event number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information.

SDM Messages

Error Message SDM-6-MISMATCH_ADVISE: [chars].



Note This message applies only to the Catalyst 3750-X and 3750-E switches.

Explanation A stack member cannot support the SDM template that the stack master is using. Switches in the SDM mismatch state are not functional stack members. This error follows the STACKMGR-6-SWITCH_ADDED_SDM error message if it reports SDM_MISMATCH. [chars] displays mismatch information and recommended corrective actions.

Recommended Action Downgrade the SDM template of the stack master to make it compatible with the stack member switches. For example, if the stack master uses the aggregator routing template, the message recommends downgrading the stack master to the desktop routing template by using the **sdm prefer vlan desktop** global configuration command.

SPAN Messages

Error Message SPAN-3-MEM_UNAVAIL: Memory was not available to perform the SPAN operation.

Explanation The system could not perform a SPAN operation because of a lack of memory.

Recommended Action Reduce other system activity to ease the memory demands.

Error Message SPAN-3-SESS_DEC_CFG: SPAN hardware resource is in use. [chars]

Explanation The system could not allocate a SPAN hardware resource for the feature specified in the error message. It is possible that a distributed EtherChannel has been configured in the system that is using a SPAN hardware resource.

Recommended Action Remove one or all of the distributed EtherChannels from the system and retry the operation.

Error Message SPAN-3-SESS_HW_UNAVAIL: SPAN hardware resource not available [chars]

Explanation The system could not allocate a SPAN hardware resource for the feature specified in the error message. A possible cause is that all SPAN source sessions are already in use. The system can be configured with a maximum of two SPAN source sessions or one RSPAN source session. [chars] is the unavailable resource.

Recommended Action Remove one of the existing SPAN or RSPAN source sessions, and retry the operation.

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

Explanation SPAN detected an error in its internal operation.

Recommended Action The error might be transient. Try the SPAN operation again. If a second attempt also fails, reload the switch by using the **reload** privileged EXEC command to complete the operation.

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

Explanation SPAN detected an error in its internal operation. [chars] is the interface.

Recommended Action The error might be transient. Try the SPAN operation again. If the second attempt also fails, reload the switch by using the **reload** privileged EXEC command to complete the operation.

SPANTREE Messages

Error Message SPANTREE-2-BLOCK_BPDUGUARD: Received BPDU on port [chars] with BPDU Guard enabled. Disabling port.

Explanation A BPDU was received on an interface that has the spanning tree BPDU guard feature enabled. As a result, the interface was administratively shut down. [chars] is the interface name.

Recommended Action Either remove the device sending BPDUs, or disable the BPDU guard feature. The BPDU guard feature can be locally configured on the interface or globally configured on all ports that have PortFast enabled. To disable BPDU guard on an interface, use the **no spanning-tree bpduguard enable** interface configuration command. To disable BPDU guard globally, use the **no spanning-tree portfast bpduguard default** global configuration command. After you have removed the device or disabled BPDU guard, re-enable the interface by entering the **no shutdown** interface configuration command.

Error Message SPANTREE-2-BLOCK_BPDUGUARD_VP: Received BPDU on port [chars], vlan [dec] with BPDU Guard enabled. Disabling vlan.

Explanation A BPDU was received on the interface and the VLAN. The spanning tree BPDU guard feature was enabled and configured to shut down the VLAN. The VLAN was error disabled. [chars] is the interface, and [dec] is the VLAN.

Recommended Action Either remove the device sending BPDUs, or disable the BPDU guard feature. The BPDU guard feature can be configured locally on the interface or globally on all ports that have Port Fast enabled. To re-enable the interface and the VLAN, use the **clear errdisable** privileged EXEC command.

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

Explanation The spanning-tree port associated with the listed spanning-tree instance and interface will be held in the spanning-tree blocking state until the port VLAN ID (PVID) inconsistency is resolved. The listed spanning-tree instance is that of the native VLAN ID of the listed interface. The first [chars] is the interface, and the second [chars] is the spanning-tree instance.

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. When corrected, spanning tree automatically unblocks the interfaces, as appropriate.

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

Explanation The spanning-tree port associated with the listed spanning-tree instance and interface will be held in the spanning-tree blocking state until the port VLAN ID (PVID) inconsistency is resolved. The listed spanning-tree instance is that of the native VLAN ID of the interface on the peer switch to which the listed interface is connected. The first [chars] is the interface, and the second [chars] is the spanning-tree instance.

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. When interface inconsistencies are corrected, spanning tree automatically unblocks the interfaces.

Error Message SPANTREE-2-CHNL_MISCFG: Detected loop due to etherchannel misconfiguration of [chars] [chars].

Explanation A misconfiguration of a channel group has been detected. For example, the ports on one side of the EtherChannel either are not configured to be in the channel or did not bundle into the channel, and the other side has successfully bundled the ports into the EtherChannel. The first [chars] is the port, and the second [chars] is the VLAN.

Recommended Action Identify the local ports by using the **show interfaces status err-disabled** privileged EXEC command, and then check the EtherChannel configuration on the remote device by using the **show etherchannel summary** privileged EXEC command on the remote device. After the configuration is correct, enter the **shutdown** and then **no shutdown** interface configuration commands on the associated port-channel interfaces.

Error Message SPANTREE-2-LOOPGUARD_BLOCK: Loop guard blocking port [chars] on [chars].

Explanation The spanning-tree message age timer has expired because no BPDUs were received from the designated bridge. Because this condition could be caused by a unidirectional-link failure, the interface is put into the blocking state and marked as loopguard-inconsistent to prevent possible loops from being created. The first [chars] is the port name, and the second [chars] is the spanning-tree mode displayed in the **show spanning-tree** privileged EXEC command.

Recommended Action Enter the **show spanning-tree inconsistentports** privileged EXEC command to review the list of interfaces with loopguard inconsistencies. Find out why devices connected to the listed ports are not sending BPDUs. One reason might be that they are not running the STP. If so, you should disable loop guard on the inconsistent interfaces by using the **spanning-tree guard none** interface configuration command or by starting the STP on the remote side of the links.

Error Message SPANTREE-2-LOOPGUARD_CONFIG_CHANGE: Loop guard [chars] on port [chars] on [chars].

Explanation The spanning-tree loopguard configuration for the listed interface has been changed. If enabled, the interface is placed into the blocking state. It is marked as loopguard-inconsistent when the message-age timer expires because no BPDUs were received from the designated bridge. This

feature is mainly used to detect unidirectional links. The first [chars] is the loopguard state (*enable* or *disable*), the second [chars] is the interface name, and the third [chars] is the spanning-tree instance.

Recommended Action Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration.

Error Message SPANTREE-2-LOOPGUARD_UNBLOCK: Loop guard unblocking port [chars] on [chars].

Explanation The listed interface has received a BPDU. If the inconsistency was caused by a unidirectional link failure, the problem no longer exists. The loopguard-inconsistency is cleared for the interface, which is taken out of the blocking state, if appropriate. The first [chars] is the port name, and the second [chars] is the spanning-tree mode displayed in the **show spanning-tree** privileged EXEC command.

Recommended Action No action is required.

Error Message SPANTREE-2-PVSTSIM_FAIL: Blocking [chars] port [chars]: Inconsistent [chars] PVST BPDU received on VLAN [dec], claiming root [dec]:[enet]

Explanation Root guard blocked a port on the multiple spanning-tree (MST) switch. When a designated port on an MST switch is connected to a PVST+ switch, the CIST (MST00) information on the port of the MST switch must be consistently superior (lower bridge ID, lower path cost, and so forth) to the information in all the PVST+ messages. If the port is the root, the CIST (MST00) information on the MST switch must be consistently inferior to all the PVST+ messages. If this constraint is violated, the port on the MST switch is blocked to prevent a potential bridging loop. The first [chars] is the MST switch, the second [chars] is the port, and the third [chars] is the PVST+ switch. The first [dec] is the VLAN ID, the second [dec] is the MST switch, and [enet] is the MST-switch MAC address.

Recommended Action When STP converges after a new switch or switch port is added to the topology, root guard might temporarily block the port and then automatically restore it. If the port remains blocked, identify the root bridge from this error message, and configure the appropriate priority for the VLAN spanning tree, consistent with the CIST role on the port of the MST switch.

There could be additional inconsistencies not shown in the message, and the port does not recover until all these are cleared. To determine which other VLANs have inconsistencies, disable and re-enable the port. This message appears again and specifies another VLAN with inconsistencies to be fixed. Repeat this process until all inconsistencies on all VLANs are cleared.

Error Message SPANTREE-2-PVSTSIM_OK: PVST Simulation inconsistency cleared on port [chars].

Explanation The specified interface no longer receives PVST BPDUs advertising information that is inconsistent with the CIST port information. The PVST simulation inconsistency is cleared, and the interface returns to normal operation. [chars] is the port.

Recommended Action No action is required.

Error Message SPANTREE-2-RECV_1Q_NON_1QTRUNK: Received 802.1Q BPDU on non 802.1Q trunk [chars] [chars].

Explanation The interface that received a Shared Spanning Tree Protocol (SSTP) BPDU was in trunk mode but was not using 802.1Q encapsulation. The first [chars] is the interface, and the second [chars] is the VLAN.

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*). If the encapsulation types are different, use the **switchport trunk encapsulation** interface configuration command to make them consistent. When the encapsulation is consistent, spanning tree automatically unblocks the interface.

Error Message SPANTREE-2-RECV_BAD_TLV: Received SSTP BPDU with bad TLV on [chars] [chars].

Explanation The listed interface received an SSTP BPDU without the VLAN ID tag. The BPDU is discarded. The first [chars] is the interface, and the second [chars] is the VLAN that received the SSTP BPDU.

Recommended Action If this message recurs, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

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

Explanation The listed interface received an SSTP BPDU that is tagged with a VLAN ID that does not match the VLAN ID that received the BPDU. This occurs when the native VLAN is not consistently configured on both ends of an 802.1Q trunk. [dec] is the VLAN ID, the first [chars] is the port, and the second [chars] is the VLAN.

Recommended Action Verify that the configurations of the native VLAN ID is consistent on the interfaces on each end of the 802.1Q trunk connection. When the configurations are consistent, spanning tree automatically unblocks the interfaces.

Error Message SPANTREE-2-ROOTGUARD_BLOCK: Root guard blocking port [chars] on [chars].

Explanation The listed interface received a BPDU that advertises a superior spanning-tree root bridge (lower bridge ID, lower path cost, and so forth) than that in use. The interface is put into blocking state and marked as *root-guard inconsistent* to prevent a suboptimal spanning-tree topology from forming. The first [chars] is the port name, and the second [chars] is the spanning-tree mode displayed in the output of the **show spanning-tree** privileged EXEC command.

Recommended Action Enter the **show spanning-tree inconsistentports** privileged EXEC command to review the list of interfaces with root-guard inconsistencies. Find out why devices connected to the listed ports are sending BPDUs with a superior root bridge, and take action to prevent more

occurrences. When the inaccurate BPDUs have been stopped, the interfaces automatically recover and resume normal operation. Make sure that it is appropriate to have root guard enabled on the interface.

Error Message SPANTREE-2-ROOTGUARD_CONFIG_CHANGE: Root guard [chars] on port [chars] on [chars].

Explanation The spanning-tree root guard configuration for the listed interface has changed. If enabled, any BPDU received on this interface that advertises a superior spanning-tree root bridge (lower bridge ID, lower path cost, and so forth) to that already in use causes the interface to be put into the blocking state and marked as *root-guard inconsistent*. The first [chars] is the root-guard state (*enable* or *disable*), the second [chars] is the interface, and the third [chars] is the spanning-tree instance.

Recommended Action Verify that this is the desired configuration for the listed interface. Correct it if it is not the desired configuration.

Error Message SPANTREE-2-ROOTGUARD_UNBLOCK: Root guard unblocking port [chars] on [chars].

Explanation The listed interface is no longer receiving BPDUs advertising a superior root bridge (lower bridge ID, lower path cost, and so forth). The root-guard inconsistency is cleared for the interface, and the blocking state is removed from the interface. The first [chars] is the port name, and the second [chars] is the spanning-tree mode displayed in **show spanning-tree** privileged EXEC command.

Recommended Action No action is required.

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

Explanation The port VLAN ID or port type inconsistencies have been resolved, and spanning tree will unblock the listed interface of the listed spanning-tree instance. The first [chars] is the interface, and the second [chars] is the spanning-tree instance.

Recommended Action No action is required.

Error Message SPANTREE-3-BAD_PORTNUM_SIZE: Rejected an attempt to set the port number field size to [dec] bits (valid range is [dec] to [dec] bits).

Explanation An error occurred in the platform-specific code that caused it to request more or less bits than are possible. The spanning-tree port identifier is a 16-bit field, which is divided evenly between the port priority and port number, with each subfield being 8 bits. This allows the port number field to represent port numbers between 1 and 255. However, on systems with more than 255 ports, the size of port number portion of the port ID must be increased to support the number of ports. This is performed by the spanning-tree subsystem at system initialization because the maximum number of ports on a particular platform will not change. This error occurs because of an

error in the platform-specific code, which causes it to request more or less bits than are possible. The first [dec] is the number of bits for the port number, and the second and third [dec] describe the valid range.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SPANTREE-3-PORT_SELF_LOOPED: [chars] disabled.- received BPDU src mac ([enet]) same as that of interface.

Explanation A BPDU was received on the listed interface with a source MAC address that matches the one assigned to the listed interface. This means that a port might be looped back to itself, possibly because of an installed diagnostic cable. The interface will be administratively shut down. [chars] is the interface that received the BPDU, and [enet] is the source MAC address.

Recommended Action Verify the interface configuration, and test any cable connected to the interface. When the problem is resolved, re-enable the interface by entering the **no shutdown** interface configuration command.

Error Message SPANTREE-3-PRESTD_NEIGH: pre-standard MST interaction not configured ([chars]).

Explanation The switch has received a prestandard MST BPDU on an interface that is not configured to send prestandard MST BPDUs. The switch automatically adjusts its configuration on the interface and starts sending prestandard BPDUs. However, the switch does not automatically detect all prestandard neighbors, and we recommend that you configure the interface to send prestandard MST BPDUs by using the **spanning-tree mst pre-standard** interface configuration command. This warning message only appears once. [chars] is the interface.

Recommended Action Use the **spanning-tree mst pre-standard** interface configuration command on all the interfaces to which other switches running Cisco's prestandard MST version are connected. We recommend that you migrate all the switches in the network to the IEEE MST standard version.

Error Message SPANTREE-4-PORT_NOT_FORWARDING: [chars] [chars] [chars] [chars].

Explanation A port-not-forwarding alarm is set or cleared. The first [chars] is the mode, and the second [chars] is the severity. The third [chars] is the interface name, and the fourth [chars] is the alarm string.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SPANTREE-5-EXTENDED_SYSID: Extended SysId [chars] for type [chars].

Explanation The extended system ID feature is either enabled or disabled for the given type of spanning tree. If enabled, the spanning-tree instance identifier is stored in the lower portion of the bridge ID priority field and limits the allowed values for the bridge priority from 0 to 61440, in increments of 4096. If disabled, the bridge ID priority field consists only of the configured priority, but some spanning-tree features might not be available on a given platform (for example, support for 4096 VLANs). On some platforms, this feature might be mandatory. The first [chars] is the extended system ID state (*enable* or *disable*), and the second [chars] is the spanning-tree instance.

Recommended Action No action is required.

Error Message SPANTREE-5-ROOTCHANGE: Root Changed for [chars] [dec]: New Root Port is [chars]. New Root Mac Address is [enet].

Explanation The root switch changed for a spanning-tree instance. The first [chars] and [dec] is the interface ID for the previous root port, the second [chars] is the interface ID for the new root port, and [enet] is the Ethernet address of the new root port.

Recommended Action No action is required.

Error Message SPANTREE-5-TOPOTRAP: Topology Change Trap for [chars] [dec].

Explanation A trap was generated because of a topology change in the network.

Recommended Action No action is required.

Error Message SPANTREE-6-PORTADD_ALL_VLANS: [chars] added to all Vlans

Explanation The interface has been added to all VLANs. [chars] is the added interface.

Recommended Action No action is required.

Error Message SPANTREE-6-PORTDEL_ALL_VLANS: [chars] deleted from all Vlans

Explanation The interface has been deleted from all VLANs. [chars] is the deleted interface.

Recommended Action No action is required.

Error Message SPANTREE-6-PORT_STATE: Port [chars] instance [dec] moving from [chars] to [chars].

Explanation The port state changed. The first [chars] is the interface name. [dec] is the spanning-tree instance ID. The second [chars] is the old state (such as listening, learning, or forwarding, and so forth), and the third [chars] is the new state.

Recommended Action No action is required.

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

Explanation The listed interface is in the spanning-tree blocking state until the port-type inconsistency is resolved. The first [chars] is the interface, and the second [chars] is the spanning-tree instance.

Recommended Action Verify that the configuration and operational states of the listed interface and those 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*). When these parameters are consistent, spanning tree automatically unblocks the interface.

Error Message SPANTREE-7-PORTDEL_SUCCESS: [chars] deleted from Vlan [dec].

Explanation The interface has been deleted from VLAN. [chars] is the interface, and [dec] is the VLAN ID.

Recommended Action No action is required.

Error Message SPANTREE-7-RECV_1Q_NON_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars].

Explanation An STP BPDU was received on the listed interface, which is not an operational trunking interface. The first [chars] is the port name, and the second [chars] is the VLAN name.

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*). When these parameters are consistent, spanning tree automatically unblocks the interface.

SPANTREE_FAST Messages

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

Explanation The listed interface has been selected as the new path to the root switch for the listed spanning-tree instance. The first [chars] is the spanning-tree instance, and the second [chars] is the interface.

Recommended Action No action is required.

SPANTREE_VLAN_SW Messages

Error Message SPANTREE_VLAN_SW-2-MAX_INSTANCE: Platform limit of [dec] STP instances exceeded. No instance created for [chars] (port [chars]).

Explanation The number of currently active VLAN spanning-tree instances has reached a platform-specific limit. No additional VLAN instances are created until the existing number of instances drops below the platform limit. [dec] is the spanning-tree instance limit, the first [chars] is the smallest VLAN ID of those VLANs that cannot have spanning-tree instances created, and the second [chars] is the port number.

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 them. You must manually enable the spanning trees that could not be created because of limited instances.

STACKMGR Messages

**Note**

These messages apply only to Catalyst 3750-X and 3750-E switches.

Error Message STACKMGR-3-HDM_GET_DEVICE_RECORD_FAIL: Device Manager could not get device record.

Explanation This switch could not get the device record for some or all other switches in the stack.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message STACKMGR-3-MSG_FAIL: Failed to retrieve stack message from port-asic [dec] in direction [dec].

Explanation The stack manager module did not retrieve stack messages. The first [dec] is the ASIC ID, and the second [dec] is the direction.

Recommended Action No action is required.

Error Message STACKMGR-3-NORECORD: Switch removed event for switch [dec] with no switch record.

Explanation The stack manager received a switch-removed event for which there is no switch record. [dec] is the switch number.

Recommended Action No action is required.

Error Message STACKMGR-4-MASTER_ELECTED: Switch [dec] has been elected as MASTER of the stack.

Explanation The specified switch has been elected stack master. [dec] is the switch number of the elected stack master.

Recommended Action No action is required.

Error Message STACKMGR-4-STACK_LINK_CHANGE: Stack Port [chars] Switch [dec] has changed to state [chars].

Explanation The specified stack port status has changed state to up or down. The first [chars] is the stack port (1 or 2), [dec] is the switch number, and the second [chars] is the new state (up or down).

Recommended Action No action is required.

Error Message STACKMGR-4-SWITCH_ADDED: Switch [dec] has been ADDED to the stack.

Explanation The specified stack member switch has been added to the stack. [dec] is the switch number.

Recommended Action No action is required.

Error Message STACKMGR-4-SWITCH_ADDED_SDM: Switch [dec] has been ADDED to the stack (SDM_MISMATCH).

Explanation The specified switch has been added to the stack. [dec] is the switch number. SDM_MISMATCH means that the added switch cannot support the SDM template that the stack master is using. Subsequent SDM-6-MISMATCH_ADVISE messages explain the mismatch and recommend corrective actions.

Recommended Action No action is required unless SDM_MISMATCH is displayed. For SDM_MISMATCH corrective actions, see SDM-6-MISMATCH_ADVISE.

Error Message STACKMGR-4-SWITCH_ADDED_VM: Switch [dec] has been ADDED to the stack (VERSION_MISMATCH).

Explanation A switch that has been added to the stack has a different software version. [dec] is the switch number.

Recommended Action No action is required.

Error Message STACKMGR-4-SWITCH_REMOVED: Switch [dec] has been REMOVED from the stack.

Explanation The specified switch has been removed from the stack. [dec] is the switch number.

Recommended Action No action is required.

Error Message STACKMGR-5-MASTER_READY: Master Switch [dec] is READY.

Explanation The stack master is ready for use. [dec] is the stack master switch number.

Recommended Action No action is required.

Error Message STACKMGR-5-SWITCH_READY: Switch [dec] is READY.

Explanation The switch is ready. [dec] is the switch number.

Recommended Action No action is required.

STORM_CONTROL Messages

Error Message STORM_CONTROL-3-FILTERED: A [chars] storm detected on [chars]. A packet filter action has been applied on the interface.

Explanation The amount of traffic detected on the interface has exceeded the configured threshold values. The system is filtering the excess traffic. The first [chars] is the traffic type, and the second [chars] is the interface.

Recommended Action Determine and fix the root cause of the excessive traffic on the interface.

Error Message STORM_CONTROL-3-SHUTDOWN: A packet storm was detected on [chars]. The interface has been disabled.

Explanation The amount of traffic detected on the interface has exceeded the configured threshold values. Because the interface is configured to shut down if a packet storm event is detected, it has been placed in an error-disabled state. [chars] is the affected interface.

Recommended Action You can enable error-disabled recovery by using the **errdisable recovery** global configuration command to automatically re-enable the interface. You should determine and fix the root cause of the excessive traffic on the interface.

SUPERVISOR Messages

Error Message SUPERVISOR-3-FATAL: [chars].

Explanation An internal error occurred in the supervisor ASIC. [chars] is the detailed error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

SUPQ Messages

Error Message SUPQ-3-THROTTLE_CPU_QUEUE: Invalid application ID [dec] used for throttling.

Explanation An application has passed an invalid application ID for throttle check. [dec] is the internal application identifier.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SUPQ-4-CPUHB_RECV_STARVE: [chars].

Explanation The system has detected that messages directed to the CPU are delayed. [chars] is the detailed error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SUPQ-4-CPUHB_SLOW_TRANSMIT: [chars].

Explanation The system is warning you about a slowdown of the sending interface. [chars] is the detailed error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SUPQ-4-CPUHB_TX_FAIL: [chars].

Explanation The system is warning you about the sending interface discarding the heartbeat message. [chars] is the detailed error message.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SUPQ-4-PORT_QUEUE_STUCK: Port queue Stuck for ASIC [dec] port [dec] queue [dec].

Explanation The system has detected that an interface queue is not being cleared in a reasonable time. The first [dec] is the ASIC, the second [dec] is the interface, and the third [dec] is the queue number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SUPQ-4-RECV_QUEUE_STUCK: Receive queue Stuck for ASIC [dec] queue [dec].

Explanation The system has detected that the receiving queue is not being cleared in a reasonable time. The first [dec] is the ASIC, and the second [dec] is the queue number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

SW_DAI Messages

Error Message SW_DAI-4-ACL_DENY: [dec] Invalid ARPs ([chars]) on [chars], vlan [dec]. ([enet]/[chars]/[enet]/[chars]/[time-of-day]).

Explanation The switch has received ARP packets considered invalid by ARP inspection. The packets are erroneous, and their presence shows that administratively denied packets were seen in the network. This log message appears when packets have been denied by ACLs either explicitly or implicitly (with static ACL configuration). These packets show attempted man-in-the-middle attacks in the network. The first [dec] is the number of invalid ARP packets. The first [chars] is either Req (request) or Res (response), and the second [chars] is the short name of the ingress interface. The second [dec] is the ingress VLAN ID. [enet]/[chars]/[enet]/[chars]/[time-of-day] is the MAC address of the sender, the IP address of the sender, the MAC address of the target, the IP address of the target, and the time of day.

Recommended Action No action is required.

Error Message SW_DAI-4-DHCP_SNOOPING_DENY: [dec] Invalid ARPs ([chars]) on [chars], vlan [dec]. ([enet]/[chars]/[enet]/[chars]/[time-of-day]).

Explanation The switch has received ARP packets considered invalid by ARP inspection. The packets are erroneous, and their presence might show attempted man-in-the-middle attacks in the network. This log message appears when the IP and MAC address binding of the sender for the received VLAN is not present in the DHCP snooping database. The first [dec] is the number of invalid ARP packets. The first [chars] is either Req (request) or Res (response), and the second [chars] is the short name of the ingress interface. The second [dec] is the ingress VLAN ID. [enet]/[chars]/[enet]/[chars]/[time-of-day] is the MAC address of the sender, the IP address of the sender, the MAC address of the target, the IP address of the target, and the time of day.

Recommended Action No action is required.

Error Message SW_DAI-6-DHCP_SNOOPING_PERMIT: [dec] ARPs ([chars]) on [chars], vlan [dec]. ([enet]/[chars]/[enet]/[chars]/[time-of-day]).

Explanation The switch has received ARP packets that have been permitted because the IP and MAC address of the sender match the DHCP snooping database for the received VLAN. The first [dec] is the number of valid ARP packets. The first [chars] is either Req (request) or Res (response), and the second [chars] is the short name of the ingress interface. The second [dec] is the ingress VLAN ID. [enet]/[chars]/[enet]/[chars]/[time-of-day] is the MAC address of the sender, the IP address of the sender, the MAC address of the target, the IP address of the target, and the time of day.

Recommended Action No action is required.

Error Message SW_DAI-4-INVALID_ARP: [dec] Invalid ARPs ([chars]) on [chars], vlan [dec]. ([enet]/[chars]/[enet]/[chars]/[time-of-day]).

Explanation The switch has received ARP packets considered invalid by ARP inspection. The packets do not pass one or more validation checks of the source or destination MAC address or the IP address. The first [dec] is the number of invalid ARP packets. The first [chars] is either Req (request), Res (response), or Invalid Opcode. The second [chars] is the short name of the ingress

interface. The second [dec] is the ingress VLAN ID. [enet]/[chars]/[enet]/[chars]/[time-of-day] is the MAC address of the sender, the IP address of the sender, the MAC address of the target, the IP address of the target, and the time of day.

Recommended Action No action is required.

Error Message SW_DAI-4-PACKET_BURST_RATE_EXCEEDED: [dec] packets received in [dec] seconds on [chars].

Explanation The switch has received the given number of ARP packets in the specified burst interval. The interface is in the error-disabled state when the switch receives packets at a higher rate than the configured packet rate every second over the configured burst interval. The message is logged just before the interface is put into the error-disabled state and if the configured burst interval is more than a second. The first [dec] is the number of packets, the second [dec] is the number of seconds, and [chars] is the affected interface.

Recommended Action No action is required.

Error Message SW_DAI-4-PACKET_RATE_EXCEEDED: [dec] packets received in [dec] milliseconds on [chars].

Explanation The switch has received the given number of ARP packets for the specified duration on the interface. This message is logged just before the port is put into the error-disabled state because of the exceeded packet rate and when the burst interval is set to 1 second. The first [dec] is the number of packets, the second [dec] is the number of milliseconds, and [chars] is the affected interface.

Recommended Action No action is required.

Error Message SW_DAI-4-SPECIAL_LOG_ENTRY: [dec] Invalid ARP packets [[time-of-day]].

Explanation The switch has received ARP packets considered invalid by ARP inspection. The packets are erroneous, and their presence might show attempted man-in-the-middle attacks in the network. This message differs from other SW_DAI messages in that this message captures all messages when the rate of incoming packets exceeds the dynamic ARP inspection logging rate. [dec] is the number of invalid ARP packets, and [time-of-day] is the time of day.

Recommended Action No action is required.

Error Message SW_DAI-6-ACL_PERMIT: [dec] ARPs ([chars]) on [chars], vlan [dec]. ([enet]/[chars]/[enet]/[chars]/[time-of-day]).

Explanation The switch has received ARP packets that are permitted as a result of an ACL match. The first [dec] is the number of valid ARP packets. The first [chars] is either Req (request) or Res (response), and the second [chars] is the short name of the ingress interface. The second [dec] is the ingress VLAN ID. [enet]/[chars]/[enet]/[chars]/[time-of-day] is the MAC address of the sender, the IP address of the sender, the MAC address of the target, the IP address of the target, and the time of day.

Recommended Action No action is required.

Error Message SW_DAI-6-DHCP_SNOOPING_PERMIT: [dec] ARPs ([chars]) on [chars], vlan [dec]. ([enet]/[chars]/[enet]/[chars]/[time-of-day]).

Explanation The switch has received ARP packets that have been permitted because the IP and MAC address of the sender match the DHCP snooping database for the received VLAN. The first [dec] is the number of valid ARP packets. The first [chars] is either Req (request) or Res (response), and the second [chars] is the short name of the ingress interface. The second [dec] is the ingress VLAN ID. [enet]/[chars]/[enet]/[chars]/[time-of-day] is the MAC address of the sender, the IP address of the sender, the MAC address of the target, the IP address of the target, and the time of day.

Recommended Action No action is required.

SW_MACAUTH Messages

Error Message SW_MACAUTH-4-UNAUTH_MAC: Unauthenticated MAC [enet] on port [chars]

Explanation The switch has received an unauthenticated MAC address on the specified port. [enet] is the unauthenticated MAC address, and [chars] is the port.

Recommended Action No action is required.

Error Message SW_MACAUTH-5-CLEAR_TABLE: MAC Authentication Table Cleared

Explanation The MAC authentication table was cleared.

Recommended Action No action is required.

Error Message SW_MACAUTH-5-MACAUTH_ENADSA: MAC Authentication [chars]

Explanation MAC authentication is enabled or disabled. [chars] is the MAC authentication status, either enabled or disabled.

Recommended Action No action is required.

Error Message SW_MACAUTH-5-MAC_AUTHENTICATED: MAC [enet] was authenticated

Explanation The switch has received a command to authenticate a MAC address. [enet] is the MAC address.

Recommended Action No action is required.

SW_MATM Messages

Error Message SW_MATM-4-MACFLAP_NOTIF: Host [enet] in [chars] [dec] is flapping between port [chars] and port [chars]

Explanation The switch found the traffic from the specified host flapping between the specified ports. [enet] is the host MAC address, [chars] [dec] is the switch ID, and the first and second [chars] are the ports between which the host traffic is flapping.

Recommended Action Check the network switches for misconfigurations that might cause a data-forwarding loop.

SW_VLAN Messages

Error Message SW_VLAN-3-MALLOC_FAIL: Failed to allocate [dec] bytes

Explanation Memory allocation failed. [dec] is the number of bytes.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-3-VLAN_PM_NOTIFICATION_FAILURE: VLAN Manager synchronization failure with Port Manager over [chars].

Explanation The VLAN manager dropped a notification from the port manager because of a lack of ready pool space. [chars] is the type of port manager notification.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-3-VTP_PROTOCOL_ERROR: VTP protocol code internal error [chars].

Explanation The VTP code encountered an unexpected error while processing a configuration request, a packet, or a timer expiration. [chars] is the internal error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SW_VLAN-4-BAD_PM_VLAN_COOKIE_RETURNED: VLAN manager unexpectedly received a bad PM VLAN cookie from the Port Manager, VLAN indicated [dec].

Explanation The VLAN manager received an upcall and a VLAN cookie from the port manager that translated to a bad VLAN ID. [dec] is the VLAN ID.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SW_VLAN-4-BAD_STARTUP_VLAN_CONFIG_FILE: Failed to configure VLAN from startup-config. Fallback to use VLAN configuration file from non-volatile memory.

Explanation The VLAN software did not use the VLAN configuration from the startup-configuration file. It will use the binary VLAN configuration file in NVRAM.

Recommended Action No action is required.

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 the correct value. The VLAN configuration file is invalid, and it has been rejected. [hex] is the incorrect verification value.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

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, which might mean an attempt to regress to an older version of the VLAN manager software. [dec] is the file version number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-4-BAD_VLAN_TIMER_ACTIVE_VALUE: Encountered incorrect VLAN timer active value [chars].

Explanation A software error has occurred, and a VLAN timer was detected as active when it should have been inactive or as inactive when it should have been active. [chars] is the VLAN timer active value.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-4-EXT_VLAN_INTERNAL_ERROR: Extended VLAN manager received an internal error [dec] from [chars] [chars].

Explanation An unexpected error code was received by the VLAN manager from the extended-range VLAN configuration software. [dec] is the error code. The first [chars] is the function, and the second [chars] describes the error code.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-4-EXT_VLAN_INVALID_DATABASE_DATA: Extended VLAN manager received bad data of type [chars] value [dec] from function [chars].

Explanation Invalid data was received by the extended-range VLAN manager from an extended-range VLAN configuration database routine. The first [chars] is the data type, [dec] is the number received, and the second [chars] is the function name.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-4-IFS_FAILURE: VLAN manager encountered file operation error call = [chars] / file = [chars] / code = [dec] ([chars]) / bytes transferred = [dec].

Explanation The VLAN manager received an unexpected error return from a Cisco IOS file system (IFS) call while reading the VLAN database. The first [chars] is the function call name, the second [chars] is the file name, the first [dec] is the error code, the third [chars] is the textual interpretation of the error code, and the second [dec] is the number of bytes transferred.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SW_VLAN-4-NO_PM_COOKIE_RETURNED: VLAN manager unexpectedly received a null [chars] type cookie from the Port Manager, data reference [chars].

Explanation The VLAN manager queried the port manager for a reference cookie but received a NULL pointer instead. The first [chars] is the type of port manager cookie, and the second [chars] is the interface or VLAN that is the source of the problem.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SW_VLAN-4-STARTUP_EXT_VLAN_CONFIG_FILE_FAILED: Failed to configure extended range VLAN from startup-config. Error [chars].

Explanation The VLAN software did not use an extended-range VLAN configuration from the startup configuration file. All extended-range VLAN configurations are lost after the system boots up. [chars] is a description of the error code.

Recommended Action No action is required.

Error Message SW_VLAN-4-VLAN_CREATE_FAIL: Failed to create VLANs [chars]: [chars].

Explanation The specified VLANs could not be created. The port manager might not have completed the VLAN creation requests because the VLANs already exist as internal VLANs. The first [chars] is the VLAN ID, and the second [chars] describes the error.

Recommended Action Verify the internal VLAN usage by using **show vlan internal usage** privileged EXEC command, reconfigure the feature that is using the internal VLANs, and create the VLANs again. If this message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the

TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

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

Explanation The VLAN manager received an unexpected error code from the VTP configuration software. [dec] is the error code, the first [chars] is the VTP function, and the second [chars] is the error-code description.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-4-VTP_INVALID_DATABASE_DATA: VLAN manager received bad data of type [chars] value [dec] from vtp database function [chars].

Explanation The VLAN manager received invalid data from a VTP configuration database routine. The first [chars] is the data type, [dec] is the inappropriate value that was received, and the second [chars] is the VTP database function.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

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

Explanation The VLAN manager received invalid data from the VTP configuration software. The first [chars] is the data type, [dec] is the value of that data, and the second [chars] is the VTP event.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message SW_VLAN-4-VTP_SEM_BUSY: VTP semaphore is unavailable for function [chars]. Semaphore locked by [chars].

Explanation The VTP database is not available. You should access the VTP database later. The first [chars] is the function name that you want to configure, and the second [chars] is the function name that is using the VTP database.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

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

Explanation The VLAN software detected an old version of the VLAN configuration file format. It interpreted the file, but it will use the new format in the future. The first [dec] is the old version number, and the second [dec] is the new version number.

Recommended Action No action is required.

Error Message SW_VLAN-6-VLAN_DAT_CACHE_EXISTS: Unexpected vlan.dat cache exists. Removing the cache and continuing the sync with new set.

Explanation This message does not affect switch functionality.

Recommended Action No action is required.

Error Message SW_VLAN-3-VLAN_DAT_CACHE_SEQUENCE: Out of sequence vlan.dat sync message. Expected: [dec]; received: [dec].

Explanation The vlan.dat file is synchronized to the STANDBY through one or more checkpoint messages from ACTIVE. The sequence number for each set of checkpoint messages starts with 1. These messages are cached at the STANDBY until the end-of-set indicator is received. The STANDBY received a checkpoint message with a sequence number that does not match the expected sequence number. The first [dec] is the expected checkpoint message sequence number, and the second [dec] is the received checkpoint message sequence number.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message SW_VLAN-6-VTP_DOMAIN_NAME_CHG: VTP domain name changed to [chars].

Explanation The VTP domain name was changed through the configuration to the name specified in the message. [chars] is the changed domain name.

Recommended Action No action is required.

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

Explanation An automatic VTP-mode device-change occurred upon receipt of a VLAN configuration database message containing more than a set number of VLANs. The first [chars] is the previous mode, and the second [chars] is the current mode.

Recommended Action No action is required.

SWITCH_QOS_TB Messages

Error Message SWITCH_QOS_TB-5-TRUST_DEVICE_DETECTED: [chars] detected on port [chars], port's configured trust state is now operational.

Explanation A trusted boundary detected a device matching the trusted device setting for the port and has modified the port trust state. The first [chars] is the trusted device, and the second [chars] is the port.

Recommended Action No action is required.

Error Message SWITCH_QOS_TB-5-TRUST_DEVICE_LOST: [chars] no longer detected on port [chars], operational port trust state is now untrusted.

Explanation A trusted boundary lost contact with a trusted device and has set the port trust state to untrusted. The first [chars] is the trusted device, and the second [chars] is the port

Recommended Action No action is required.

TCAMMGR Messages

Error Message TCAMMGR-3-GROW_ERROR: cam region [dec] can not grow.

Explanation The specified CAM region is configured as a static region with a fixed number of entries, and a caller requested to add more CAM entries. [dec] is the CAM region.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message TCAMMGR-3-HANDLE_ERROR: cam handle [hex] is invalid.

Explanation The CAM handle used by the caller is not valid. [hex] is the handle value.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message TCAMMGR-3-INDEX_ERROR: cam value/mask index [dec] is invalid.

Explanation The CAM index used by the caller is not valid. [dec] is the index value.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message TCAMMGR-3-MOVE_ERROR: cam entry move from index [int] to index [int] failed.

Explanation A CAM entry being moved from one index to another failed. [int] is the index value.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message TCAMMGR-3-REGION_ERROR: cam region [dec] is invalid.

Explanation The CAM region is not valid. [dec] is the region.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message TCAMMGR-3-REGMASK_ERROR: invalid cam region [dec] mask [dec] pair.

Explanation A caller attempted to install an entry with an invalid mask for the region. Only a predetermined set of masks is allowed in a region. The first [dec] is the region, and the second [dec] is the mask.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

UDLD Messages

Error Message UDLD-0-STOPPED:UDLD process stopped:[chars].

Explanation The UDLD process stopped because it cannot read the unique system identifier that is being used by UDLD. The system identifier is used to identify the device that is sending the UDLD packets. [chars] is the UDLD process name.

Recommended Action Reload the switch by using the **reload** privileged EXEC command. If the message appears again, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message UDLD-3-UDLD_IDB_ERROR: UDLD error handling [chars] interface [chars].

Explanation A software error occurred in UDLD processing associated with a specific interface. The first [chars] is the event, and the second [chars] is the interface.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports”](#) section on page 1-7.

Error Message UDLD-3-UDLD_INTERNAL_ERROR: UDLD internal error [chars].

Explanation A software check failed during UDLD processing. [chars] is a description of the internal error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or

contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message UDLD-3-UDLD_INTERNAL_IF_ERROR: UDLD internal error, interface [chars] [chars].

Explanation A software check failed during UDLD processing. The first [chars] is the interface, and the second [chars] is a description of the error.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message UDLD-4-UDLD_PORT_DISABLED: UDLD disabled interface [chars], [chars] detected.

Explanation The UDLD Protocol disabled an interface because it detected connections between neighbors that were functioning only in one direction, which might potentially cause spanning-tree loops or interfere with connectivity. The cause is likely to be hardware related, either due to a bad port, a bad cable, or a misconfigured cable. The first [chars] is the interface, and the second [chars] is the error detected.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message UDLD-6-UDLD_PORT_RESET: UDLD reset interface [chars].

Explanation The UDLD Protocol detected a unidirectional connection between neighbors. Reset the port that was disabled by UDLD by using the **udld reset** privileged EXEC command or through a hardware action such as a link-state change. [chars] is the interface.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

UFAST_MCAST_SW Messages

Error Message UFAST_MCAST_SW-3-PROC_START_ERROR: No process available for transmitting UplinkFast packets.

Explanation UplinkFast packets will not be sent because the process could not be created.

Recommended Action UplinkFast does not work unless you reload the switch software. If the message appears again after reload, copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message UFAST_MCAST_SW-4-MEM_NOT_AVAILABLE: No memory is available for transmitting UplinkFast packets on Vlan [dec].

Explanation UplinkFast packets will not be sent on a VLAN due to memory limitations. [dec] is the VLAN ID.

Recommended Action Reduce other system activity to ease memory demands.

VQPCLIENT Messages

Error Message VQPCLIENT-2-CHUNKFAIL: Could not allocate memory for VQP.

Explanation An error occurred when the system tried to allocate memory for the VQP client.

Recommended Action Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the error by using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, open a case with the TAC, or contact your Cisco technical support representative, and provide the representative with the gathered information. For more information about these online tools and about contacting Cisco, see the [“Error Message Traceback Reports” section on page 1-7](#).

Error Message VQPCLIENT-2-DENY: Host [enet] denied on interface [chars].

Explanation The VMPS has denied access for the given host MAC address to an interface. [enet] is the host MAC address, and [chars] is the interface name.

Recommended Action No action is normally required. If you think that the host should have been allowed access, verify the configuration on the VMPS.

Error Message VQPCIENT-2-TOOMANY: Interface [chars] shutdown by active host limit.

Explanation The system has shut down the specified interface because too many hosts have requested access to that interface. [chars] is the interface name.

Recommended Action To enable the interface, remove the excess hosts, and enter the **no shutdown** interface configuration command.

Error Message VQPCIENT-3-IFNAME: Invalid interface ([chars]) in response.

Explanation The VMPS has sent an unsolicited response with an unknown interface name. [chars] is the name of the unknown interface.

Recommended Action Verify the VMPS configuration.

Error Message VQPCIENT-3-VLANNAME: Invalid VLAN [chars] in response.

Explanation The VMPS has specified an unknown VLAN name. [chars] is the VLAN name.

Recommended Action Ensure that the VLAN exists on the switch. Verify the VMPS configuration by entering the **show vmps** privileged EXEC command.

WCCP Messages

Error Message WCCP-5-CACHEFOUND: Web Cache [IP_address] acquired.

Explanation The switch has acquired the specified web cache. [IP_address] is the web cache IP address.

Recommended Action No action is required.

Error Message WCCP-1-CACHELOST: Web Cache [IP_address] lost.

Explanation The switch has lost contact with the specified web cache. [IP_address] is the web cache IP address.

Recommended Action Verify the operation of the web cache by entering the **show ip wccp web-cache** privileged EXEC command.