Message and Recovery Procedures

This chapter describes the switch 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.

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 ACL TCAM cannot support the number of configured ACLs. [dec] is the label number, and [chars] is the layer. The first [chars] is Layer 3, and the second [chars] is Layer 2. If only the Layer 2 or Later 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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.

AUTHMGR Messages

Error Message `AUTHMGR-0-CONFIG_CORRUPT,MSGDEF_LIMIT_MEDIUM: Checksummed interface configuration corruption detected.`

Explanation There was an unexpected modification in the interface configuration field.

Recommended Action No action is required.

Error Message `AUTHMGR-4-UNAUTH_MOVE, MSGDEF_LIMIT_MEDIUM: [chars] MAC address ([enet]) from [chars] to [chars]`

Explanation There was an authenticated move on the old IDB. The first [chars] is slow or fast, the second [chars] is the source interface name, the third [chars] is the destination interface name, and [enet] is the MAC address.

Recommended Action No action is required.

Error Message `AUTHMGR-4-ILLEGAL_TRACE_REQ: Component ID [dec] not registered.`

Explanation There was an attempt to log a message with an unregistered ID. [dec] is the component ID.

Recommended Action No action is required.

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

Explanation Interface host mode limits the number of hosts that can be attached to an interface. The limit was exceeded and caused a security violation. The interface is error disabled. The first [chars] is the interface, [enet] is the host MAC address, and the second [chars] is the session ID.

Recommended Action Reconfigure the interface to support the number of attached hosts. Enter the **shutdown** interface configuration command and then the **no shutdown** interface configuration command to re-enable the interface.

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

Explanation A VLAN is 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 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 is configured, the interface is authorized based on that. 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 Authentication results: the first [chars] is the authentication status, 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.

Error Message AUTHMGR-7-STOPPING: Stopping '[chars]' for client [enet] on Interface [chars] AuditSessionID [chars]

Explanation The authentication process has been stopped. The first [chars] is the authentication method, [enet] is the Ethernet address of the host, the second [chars] is the interface for the host, and the third [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. The first [chars] is the client identifier, the second [chars]s is the interface for the client, and the third [chars] is the session ID.

Error Message 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 innapropriate 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

CFGMGR Messages

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

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

Recommended Action Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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 attempting to distribute the startup configuration file to the stack member switches. [hex] is the bit representation of the switch number.

Recommended Action Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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 The system encountered an error when it 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 The 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 mamagement vlan`

Explanation The switch cannot find a VLAN with an ID from 2 to1000 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 When in recovery mode, the switch resets to the default configuration.

Recommended Action No action is required.

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

Explanation   When 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.

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the .

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

Explanation The DHCP snooping binding transfer process failed. [chars] is the reason the process failed.

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. [dec] is the number of times the process failed, and [chars] is the reason the process failed. 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 DCHP 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 DCHP 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 switch does not have enough memory to perform 802.1x authentication. [chars] is the session ID.

Recommended Action   Reconfigure the switch to reduce memory usage

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-RESULT_OVERRIDE: Authentication result overridden for client ([chars]) on Interface [chars] AuditSessionID [chars]`

Explanation   The authentication result is 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-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, causes this condition.

Recommended Action   Disable the EtherChannel on the interface, and and 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, causes this condition.

Recommended Action   Disable dynamic mode on the interface, and re-enable 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, causes this condition.

Recommended Action Disable the voice VLAN on the interface, and re-enable 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 re-enable 802.1x
authentication.

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, causes this condition.

Recommended Action Change the voice VLAN or access VLAN on the interface, and re-enable
802.1x authentication.

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, causes this condition.

Recommended Action Disable RSPAN on the VLAN, and re-enable 802.1x authentication.

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, aand re-enable 802.1x
authentication.

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, causes this condition.

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

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 Change the port configuration to use a valid VLAN.

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

Explanation Authentication was not 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.

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.

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.

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 the address is a secure address on another port. This message might appear if 802.1x is enabled. [enet] is the client MAC address, the first [chars] is the interface, and the second [chars] is the session ID.

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

Error Message DOT1X_SWITCH-4-PROC_START_ERR: Unable to start dot1x switch process.

Explanation The software could not start the 802.1x authentication process.

Recommended Action Use the **reload** privileged EXEC command to reload the switch.

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 Check that the VLAN exists and is not shut down, or use another VLAN.

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

Note This message applies to switches running the IP base image.

Explanation An attempt was made to assign a primary VLAN to an 802.1x port. This is not allowed. [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_INVALID_SEC_VLAN: Attempt to assign invalid secondary VLAN [dec] to PVLAN host 802.1x port [chars] AuditSessionID [chars]

Note This message applies to switches running the IP base image.

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.

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]`

Note This message applies to switches running the IP base image.

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 Check that the primary VLAN exists and is not shut down. Check that the private VLAN is associated with a primary VLAN.

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 or 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. This 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 interface so that they are not the same. MDA then starts.

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 interface 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** Change the configuration to use a valid VLAN.

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 YDOT1X_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 no longer a promiscuous port, or change the configuration so that no VLAN is assigned.

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 seconds [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   You should not enable remote SPAN on a VLAN where 802.1x is enabled. [dec] is the VLAN, the first [chars] is the port, and the second [chars] is the session ID.

Recommended Action   Either disable remote SPAN configuration 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 VLAN trunking Protocol (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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the .

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. [chars] is the short interface name, such as Gi1/0/1 on a Catalyst 3750-Estacking-capable switch, [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-L3DONTBNDL1: [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-L3DONTBNDL2: [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-L3DONTBNDL3: [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-MINLINKS_MET: Port-channel [chars] is up as its bundled ports ([dec]) meets min-links`

Explanation The administrative configuration of minimum links is equal to or less than the number of EtherChannel ports. The port channel is up. [chars] is the EtherChannel, and [dec] is the EtherChannel group number.

Recommended Action No action is required.

Error Message `EC-5-MINLINKS_NOTMET: Port-channel [chars] is down bundled ports ([dec]) doesn't meet min-links`

Explanation The administrative configuration of minimum links is greater than the number of bundled ports. The port channel is down. [chars] is the EtherChannel, and [dec] is the EtherChannel group number.

Recommended Action Reduce the value of the minimum-links configuration parameter for an EtherChannel, or add more ports to the EtherChannel to create a bundle.

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 Port Fast, 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 Reconfigure the port removing the illegal configuration.

ENVIRONMENT Messages

Error Message `ENVIRONMENT-2-PS_A_HIGHVOLTAGE: [chars] [chars] [chars] [chars] [chars]`

Explanation The power supply input voltage has exceeded the maximum threshold. This could be caused by the operational environment or faulty components. The first [chars] is the mode, the second [chars] is the severity, the third [chars] is the description, the fourth [chars] is the alarm string, and the fifth [chars] is the error message.

Recommended Action Save the system configuration and power down the system to prevent damage caused by high voltage. If the message recurs, hardware replacement maybe necessary.

Error Message `ENVIRONMENT-2-PS_A_LOWVOLTAGE: [chars] [chars] [chars] [chars] [chars]`

Explanation The power supply input voltage is below the minimum threshold. This could be caused by the operational environment or faulty components. The first [chars] is the mode, the second [chars] is the severity, the third [chars] is the description, the fourth [chars] is the alarm string, and the fifth [chars] is the error message.

Recommended Action Save the system configuration and power down the system to prevent damage caused by low voltage. If the message recurs, hardware replacement maybe necessary.

Error Message `ENVIRONMENT-2-PS_B_LOWVOLTAGE: [chars] [chars] [chars] [chars] [chars]`

Explanation The power supply input voltage is below minimum threshold. This could be caused by the operational environment or faulty components. The first [chars] is the mode, the second [chars] is the severity, the third [chars] is the description, the fourth [chars] is the alarm string, and the fifth [chars] is the error message.

Recommended Action Save the system configuration and power down the system to prevent damage caused by low voltage. If the message recurs, hardware replacement maybe necessary.

Error Message `ENVIRONMENT-3-POWER_ERROR: PSU [chars] model is not supported - Voltage threshold monitor is skipped`

Explanation There is a power supply problem. [chars] is either A or B.

Recommended Action Check the connected power supply. 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

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. [chars] is the port where the threshold was exceeded.

Recommended Action   No action is required. The port goes into error-disabled mode 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 stacking-capable 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

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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

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 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

This section contains the Cisco Gigabit Interface Converter (GBIC), the small form-factor pluggable (SFP), and the 10-Gigabit Ethernet module security messages. The GBIC and SFP modules have a serial EEPROM that contains the serial number, security code, and cyclic redundancy check (CRC). When the module is inserted into the switch, the software reads the EEPROM to recompute the security code and CRC. The software generates an error message if the CRC is invalid or if the recomputed security code does not match the one stored in the EEPROM.

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 small form-factor pluggable (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 problem persists, find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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

This section contains the Cisco GBIC, SFP, and 10-Gigabit Ethernet module security messages. The switch recognizes the module as a Cisco module but identifies another problem with it.

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

This section contains the Cisco GBIC, SFP, and 10-Gigabit Ethernet module security messages that identify whether the module is unique.

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 SPF 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 fails persistently, 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-MCU_I2C_BAD_DEV: I2C bad device address: [hex] (alchemy[dec])`

Explanation MCU I2C read or write failed at a particular I2C device address. [hex] is the message number, and [dec] is the alchemy number].

Recommended Action Ensure the environment temperature is not too high or too low.

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

Explanation The port ASIC number used is invalid. Each port ASIC is identified by an ID. [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 need assistance, open a case with the TAC, or provide your Cisco technical support representative with your information.If you still require assistance, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 need assistance, open a case with the TAC, or provide your Cisco technical support representative with your 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 problem persists, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 properly inserted. If the fan is removable, remove and replace it on the switch. If the problem persists, 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 The 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 attempted 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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].`

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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.`

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 Messages

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

Explanation Licensing initialization failed. [chars] explains what part of the licence registration failed, and [dec] is the type of licence 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 need assistance, open a case with the TAC, or provide your Cisco technical support representative with your 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 Use the **delete nvram:ifindex-table** privileged EXEC command to delete the ifindex table.

Error Message `IFMGR-3-INVALID_PERSISTENT_DATA: Invalid persistent data`

Explanation The interface manager tried 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 need assistance, open a case with the TAC, or provide your Cisco technical support representative with your 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.

IMAGEMGR Messages

Error Message `IMAGEMGR-6-AUTO_ADVISE_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])`

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.

Error Message `IP_DEVICE_TRACKING_HA-3-FAIL_SEND_MSG_TO_ACTIVE: Failed to send [chars] message to active for [chars], [chars]`

Explanation The Inter-Process Communication (IPC) synchronization message was could not sent to the stack member in the run-time module because of a software error. For more information, see the message on the console or in the system log. The system state between the stack members and provisioned switches might not be synchronized. The first [chars] is the synchronization message, the second [chars] is the stack master number, and the third [chars] is the run-time 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 `IP_DEVICE_TRACKING_HA-3-NO_RESOURCES: [chars]`

Explanation The software could not get the required resources to complete a task. This was probably caused by a software error or a lack of available memory. For more information, see the message on the console or in the system log. The system state between the active and standby units might not be synchronized. [chars] is message.

Recommended Action If a lack of available memory caused the problem, reduce other system activity, or allocate more memory for this task. If the problem 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 `IP-3-SBINIT: Error initializing [chars] subblock data structure.`
`[chars]`

Explanation The subblock data structure was not initialized. [chars] is the structure identifier.

Recommended Action If a lack of available memory caused the problem, reduce other system activity, or allocate more memory for this task. If the problem 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.

KEYMAN Messages

Error Message `KEYMAN-4-KEYSTR_CRYPTO_TYPE: Type [dec] encryption unknown.`
`Interpreting keystring as literal`

Explanation The format type is not recognized by the system. The unrecognized format type is either a keystring format type value of 0 (unencrypted keystring) or 7 (hidden keystring). [dec] is the public key type.

Recommended Action Use the correct format for the value type or remove the space following the value type.

Error Message `KEYMAN-4-KEYSTR_BAD_CRYPTO: Bad encrypted keystring for key id [dec].`

Explanation The system could not decrypt an encrypted keystring. The keystring may have been corrupted during system configuration. [dec] is the key ID.

Recommended Action Reenter the keystring command and reconfigure the keystring.

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_DUAL_ACTIVE 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, which means that all virtual switches are in a dual-active scenario. The interface is informing virtual switches of this, which causes 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 Dell 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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-SFP_PLUS_NOT_SUPPORTED: The SFP PLUS in [chars] is not supported`

Explanation The Cisco X2 transceiver module is not supported on the switch. [chars] is the port in which the SFP module is inserted.

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_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 using the Output Interpreter. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `PLATFORM-3-PHYFWDOWNLOAD_FAILED: Phy Firmware download failed for [chars] Hotswap the Frulink module or use cli to reboot the Frulink.`

Explanation The firmware download to the PHY device has failed. [chars] is the interface name.

Recommended Action No action is required.

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].`

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 problem persists, find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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.`

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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.`

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

PLATFORM_ENV Messages

Error Message `PLATFORM_ENV-1-PWR_LOPWR: Switch is operating in low power mode, switch is not fully operational. Current power source is [chars]`

Explanation The switch does not have enough power to power up the ports. [chars] is the interface name.

Recommended Action Connect a Type2 capable power source to both the uplink PD ports.

Error Message `PLATFORM_ENV-1-PWR_NONOPTIMAL: Switch is fully operational but in non-optimal mode. Current power source is [chars]`

Explanation The switch could change into low power mode on loss of the Type1 power supply. [chars] is the interface name.

Recommended Action Make sure both the uplink ports are connected to a Type2 capable power source.

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 problem persists 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 problem persists, replace the power supply.

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 problem persists, check the switch temperature by entering the **show env all** privileged EXEC command.

Error Message PLATFORM_ENV-6-PWR_OPTIMAL: Switch is fully operational. Current power source is [chars]

Explanation The switch is fully operational in optimal mode. [chars] is the interface name.

Recommended Action No action is required.

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

Explanation The Redundant Power Supply (RPS) changed state. [chars] is what was added or removed.

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.

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 FRULink 10G Service Module Messages

Error Message PLATFORM_SM10G-3-HARDWARE: FRULink 10G Service Module (C3KX-SM-10G)
features are not supported on this revision of switch hardware. Please upgrade the
switch hardware to use the module's features.

Explanation The current switch hardware version does not support the features of the module.

Recommended Action Upgrade the switch hardware to support the features of the module.

Error Message PLATFORM_SM10G-3-NO_RESPONSE: The FRULink 10G Service Module
(C3KX-SM-10G) is not responding.

Explanation The device is not responding. This could be due to hardware or software failure or a
module reload.

Recommended Action Reboot or replace the module.

Error Message PLATFORM_SM10G-3-AUTHENTICATION,: The FRULink 10G Service Module
(C3KX-SM-10G) may not have been entirely manufactured by Cisco. Module is in
pass-through mode.

Explanation Apart of the module's hardware could not be verified as official Cisco hardware.
Extended services and features are disabled and the module will only operate in pass-thru mode.

Recommended Action Contact your Cisco technical support representative and replace the module.

Error Message PLATFORM_SM10G-3-SW_VERSION_MISMATCH: The FRULink 10G Service Module
(C3KX-SM-10G) in switch <switch-number> has a software version that is
incompatible with the IOS software version. Please update the software. Module is
in pass-thru mode.

Explanation The IOS and FRULink 10G service module software are incompatible.

Recommended Action Upgrade the software.

Error Message PLATFORM_SM10G-3-FPGA_UPDATE_INITIATED: The FRULink 10G Service Module (C3KX-SM-10G) firmware is being updated due to a version mismatch. Please wait a few minutes for the update to complete.

Explanation The firmware is corrupted and needs to be restored.

Recommended Action Wait for the update to complete.

Error Message PLATFORM_SM10G-3-FPGA_RELOADED: The FRULink 10G Service Module (C3KX-SM-10G) firmware has been updated and the module will be reloaded

Explanation The firmware is corrupted and has been restored

Recommended Action Upgrade the firmware.

Error Message PLATFORM_SM10G-3-FPGA_RELOAD_FAILED: The FRULink 10G Service Module (C3KX-SM-10G) firmware could not be updated.

Explanation The firmware image is corrupted and could not be restored

Recommended Action Contact your Cisco technical support representative and replace the module.

Error Message PLATFORM_SM10G-3-CORRUPT_SW_IMAGE: The FRULink 10G Service Module (C3KX-SM-10G) software version is corrupted. Please update the software. Module is in pass-thru mode.

Explanation The FRULink 10G Service Module software is invalid.

Recommended Action Update the software.

Error Message PLATFORM_SM10G-6-LINK_UP: The FRULink 10G Service Module (C3KX-SM-10G) communication has been established.

Explanation Communication is established with the FRULink 10G service module.

Recommended Action No actions is required.

Error Message PLATFORM_SM10G-6-LICENSE: FRULink 10G Service Module (C3KX-SM-10G) features are not supported with this license level. Module is in pass-thru mode.

Explanation The services and features of the module require an IPBASE or IPSERVICES license level. If the necessary license is not installed and activated, then the module operates only in the pass-through mode.

Recommended Action Install and activate an IPBASE or IPSERVICES license.

PLATFORM_HCEF Messages

Error Message   PLATFORM_HCEF-3-ADJ: [chars]

Explanation   An unsupported feature is 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.

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 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. Call your Dell 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].`

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

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

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

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

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

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

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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`

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 could load 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 Switch Database Management (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-IFCOUNTERROR: 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

PLATFORM_RPC Messages

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

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `PLATFORM_RPC-3-DECRYPT_FAIL, MSG_TRACEBACK: System is unable to decrypt the packets (Switch [dec]-> [dec])(class [dec])(req_size [dec])(dlen [dec])(total_size [dec])(too many indicate critical situation)`

Explanation Packet decryption failed due to sequencing and key exchange. Thi s is not critical unless many such messages appear within a short period of time, like an hour. It is normal to see this message after a master failover. The first [dec] is the source switch number, the second [dec] is the switch box bit, the third [dec] is the message class, the fourth [dec] is the packet size, the fifth [dec] is the data size, and the sixth [dec] is the response length.

Recommended Action No action is required.

Error Message `PLATFORM_RPC-3-ENCRYPT_FAIL, MSG_TRACEBACK: System is unable to encrypt the packets (switch [dec]) (too many indicate critical situation)`

Explanation Packet encryption failed due to sequencing and key exchange. Thi s is not critical unless many such messages appear within a short period of time, like an hour. It is normal to see this message after a master failover. [dec] is the switch box bit.

Recommended Action No action is required.

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

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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].`

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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].`

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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].`

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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].`

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   Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

PLATFORM_SPAN Messages

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   Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

PLATFORM_UCAST Messages

Error Message `PLATFORM_UCAST-3-ADJ: [chars].`

Explanation The adjacency module for unicast routing encountered an error. [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `PLATFORM_UCAST-3-ARP: [chars].`

Explanation The ARP module for unicast routing encountered an error. [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `PLATFORM_UCAST-3-CEF: [chars].`

Explanation The Cisco Express Forwarding (CEF) module for unicast routing encountered an error. [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `PLATFORM_UCAST-3-DYNAMIC: [chars].`

Explanation The dynamic address tracking mechanism for unicast routing encountered an error. [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message PLATFORM_UCAST-3-HSRP: [chars].

Explanation The Hot Standby Router Protocol (HSRP) module for unicast routing encountered an error. [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message PLATFORM_UCAST-3-RPC: [chars].

Explanation The RPC module for unicast routing encountered an error. [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 The 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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 mapped-vlan-id (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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact IBM technical support and provide the representative with the gathered information. For more information about the online tools and about contacting IBM, 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.

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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). [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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 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 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 affected 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 Dell 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 the "Error Message Traceback Reports" section on 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 VLA. 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 MAC address that is deleted.

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.

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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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. Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

Error Message 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-lis*t 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. You can use both numbers to identify the event that 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.

SDM Messages

Error Message `SDM-6-MISMATCH_ADVISE: [chars].`

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.

SESA Messages

Error Message `SESA-3-MASTER_AUTENTICATION_FAIL: Failed to [chars] SESA MA auth at remote end (src[dec]) (dest [dec]) Err [dec])`

Explanation The master switch cannot be remotely authenticated. Check Federal Information Processing Standards Publication (FIPS) authorization key on master switch and the remote switch and reboot. [chars] is the action value, the first [dec] is the source switch, the second [dec] is the destination switch, and the third [dec] is the error value.

Recommended Action If the message recurs, 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 `SESA-2-MEMORY_ALLOC_FAIL: Failed to allocate memory (location [chars])(src [dec])(dest [dec])(Err [dec])`

Explanation The switch failed to allocate memory. You have to fix the problem immediately. [chars] is the request type, the first [dec] is the source switch, the second [dec] is the destination switch, and the third [dec] is the error value.

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

Error Message `SESA-2-MASTER_THREAD_FAIL: Failed to start master thread processes (location [chars]) on switch [dec](rebooting...)(Err [dec])`

Explanation The master rekey processess are not starting and the switch will reboot automatically. [chars] is the request type, the first [dec] is the switch box bit, and the second [dec] is the error value.

Recommended Action 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA-2-REKEY_FAIL: Failed to rekey (location [chars]) (switch: [dec])(Err [dec]),(rebooting...)`

Explanation The master rekey is failing and the switch will reboot automatically. [chars] is the type of request, the first [dec] is the switch box bit, and the second [dec] is the error value.

Recommended Action 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA-3-MISMATCH: The [chars] is not compatible with SESA (location [chars]) (rebooting...)`

Explanation The SESA mixed mode requires the system to support matching features and version. The first [chars] is the version and feature, and the second [chars] is the request type.

Recommended Action Use the right image version and license.

Error Message `SESA-3-INTERNAL_ERROR: There was an internal error (reason [chars]) (location [chars]) (rebooting...)`

Explanation There was a SESA internal error. The first [chars] is the error value, and the second [chars] is the request type.

Recommended Action Check the error log and reboot if necessary. 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA-3-REMOTE_AUTHENTICATION_FAIL: Failing AT Match check on (box [dec])(sn [chars])(op-1=[hex])(op-N= [hex])`

Explanation Remote authentication failed. [dec] is the switch number, [chars] is the switch box bit, the first [hex] is the first index value, and the second [hex] is the last index value.

Recommended Action Check the authorization key or error log and reboot if necessary. 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA-3-INTERNAL_HRPC_ERROR: hrpc bloc error [chars](Error [dec])(idx [dec])(tobits= [hex])`

Explanation HRPC is not allowing SESA to complete. [chars] is the request type, the first [dec] is the error value, the second [dec] is the switch box bit, and [hex] is the destination switch box bit.

Recommended Action Check error log for sequence, check stack cables, and reboot. 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA-3-ZEROIZATION_FAIL, MSG_TRACEBACK: Key Zeroizatiion failed on switch [dec]`

Explanation There is a problem with memory references, which are preventing zeroization of the SESA Keys. If it recurs, it may be an attack. [dec] is the switch box bit.

Recommended Action 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA-3-AKS_DECRYPT_FAIL:Failed to decrypt AKS (location [chars])(reason [chars])(src [dec])(dest [dec])(Err [dec])`

Explanation The remote switch failed to decrypt. The first [chars] is the request type, the second [chars] is the reason for failure, the first [dec] is the source switch, the second [dec] is the destination switch, the third [dec] is the error value.

Recommended Action Check the authorozation key on the master switch and the remote switch and reboot. 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA_ESP-3-NOT_READY **Panic**-The system is not ready (mode [chars]) for SESA (class [dec])(rebooting...)`

Explanation There is a race condition in the initialization reboot. [chars] is either encrypt or decrypt, and [dec] is the class value.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Enter the **show tech-support** privileged EXEC command to gather data that might provide information about the error. If you cannot determine the nature of the error from the error message or from the **show tech-support** command display, call your Cisco technical support representative, and provide the representative with the gathered information.

Error Message `SESA_ESP-3-BLOCK_FAILURE: Failure to [chars] ecrypted block (reason [chars]) (class [dec])(pd_sz [dec])(dlen [dec]) Too many indicate a critical situation`

Explanation There is an error in the request. The message normally appears after a master failover. The first [chars] is the action, the second [chars] is the failure reason, the first [dec] is the class value, the second [dec] is the padding size, the third [dec] is the data length.

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 `SESA_ESP-3-REPLAY_ERROR: Possible replay on switch (Switch [dec]->Switch([dec]),(seq= [hex])(curr= [hex])(class [dec])`

Explanation The switches are replaying and this could be an intrusion. The first [dec] is the source switch box bit, the second [dec] is the destination switch box bit, the third [dec] is the class value, the first [hex] is the message sequence, and the second [hex] is the error value.

Recommended Action Check the log and reboot the switch. You can also change the authorization keys on all stack members to prevent an attack. 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. For more information about these online tools and about contacting Cisco, see the "Error Message Traceback Reports" section on page 1-7.

Error Message `SESA-6-THREAD_START: Starting [chars] thread on switch [dec]`

Explanation SESA rekeying threads are spinning off after starting successfully. [chars] is the name of the thread, [dec] is the switch box bit.

Recommended Action No action is required.

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 An interface where the spanning tree BPDU guard feature enabled received a bridge protocol data unit (BPDU). The interface is administratively shut down. [chars] is the interface name.

Recommended Action Either remove the device sending BPDUs, or disable the BPDU guard feature. You can configure the BPDU guard locally on the interface or globally on all Port Fast enabled ports. 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 remove the device or disable BPDU guard, enter the **no shutdown** interface configuration command to re-enable the interface.

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 is enabled and configured to shut down the VLAN. The VLAN is 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. You can configure the BPDU guard feature locally on the interface or globally on all Port Fast enabled ports. Enter the **clear errdisable** privileged EXEC command to re-enable the interface and VLAN.

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 Check 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.

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 Use the **show interfaces status err-disabled** privileged EXEC command to
identify the local ports, and use the **show etherchannel summary** privileged EXEC command on
the remote device to check the EtherChannel configuration. 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. Since 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 The specified port on the multiple spanning-tree (MST) switch is blocked. 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.

Recommended Action When STP converges after a new switch or switch port is added to the topology, the port might be temporarily blocked and then automatically restored. If the port remains blocked, identify the root bridge as reported in the message, and configure the appropriate priority for the VLAN spanning tree, consistent with the CIST role on the port of the MST switch. 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.

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 VL4ANs 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 is no longer receiving 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 was received 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. Enter the **show version** user EXEC command to gather data that might help identify the nature of the error. Use the Bug Toolkit to look for similar reported problems. If you still require assistance, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 message means that 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 MST standard version.

Error Message SPANTREE-4-PORT_NOT_FORWARDING: [chars] [chars] [chars] [chars].

Explanation A port-not-forwarding alarm has been 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 To reduce the number of currently active spanning-tree instances, either disable some of the currently active spanning-tree instances or delete the VLANs associated with them. Manually enable the spanning trees that could not be created because of limited instances.

Error Message `SPANTREE_VLAN_SHIM-3-ADD_REGISTRY_FAILED: Subsystem [chars] fails to add callback function [chars]`

Explanation   A subsystem did not add its callback functions. Use this message only for debugging. The first [chars] is the subsystem name, and the second [chars] is the function name.

Recommended Action No action is required.

Error Message `SPANTREE_VLAN_SHIM-2-MAX_INSTANCE: Platform limit of [dec] STP instances exceeded. No instance created for [chars] (port [chars]).`

Explanation The number of VLAN spanning-tree instances has reached the maximum. No more VLAN instances are created until instances are less than the maximum. [dec] is the maximum, the first [chars] is the VLAN for which an STP instance is not created, and the second [chars] is the port number.

For example, when you are configuring spanning tree and the maximum is 128 instances:

 – If the switch has already created 128 instances and you enter the **vlan 200-1000** global interface configuration command, the first [chars] is 200, and an STP instance for VLAN 200 is not created. STP instances are also not created for the remainder of the VLANs in the range.

– If the switch has already created 100 instances and you enter the **vlan 200-1000** global interface configuration command, the first [chars] is 228. The switch creates STP instances for VLAN 200 to VLAN 227, but not for VLAN 228. STP instances are also not created for the remainder of the VLANs in the range.

Recommended Action   To reduce the number of currently active spanning-tree instances, either disable some of the currently active spanning-tree instances or delete the VLANs associated with them. Create STP instances manually. If you do not, the switch automatically creates an STP instances when a VLAN is created. For example, if the switch has already created 128 instances and you want to create an STP instance for VLAN 200, remove a spanning-tree instance with one of these commands:

– To delete one of the VLANs, enter the **no vlan** *vlan-id* global configuration command.

– To disable spanning tree on a per-VLAN basis. enter the **no spanning-tree** *vlan-id* global configuration command.

Enter the **spanning-tree 200** global configuration command to create an instance for VLAN 200.

STACKMGR Messages

Error Message `STACKMGR-3-HDM_GET_DEVICE_RECORD_FAIL: Device Manager could not get device record.`

Explanation The switch could not get the device record for some or all other switches in the stack.

Recommended Action Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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   Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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   Find out more about the error by using the **show tech-support** privileged EXEC command. 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. IFor more information about these online tools and about contacting Dell, 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   Because of a software error, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, [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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 Check 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 The switch functionality remains unaffected.

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 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, 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 problem 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, contact Dell technical support and provide the representative with the gathered information. For more information about the online tools and about contacting Dell, see the "Error Message Traceback Reports" section on page 1-7.

VQPCLIENT Messages

Error Message `VQPCLIENT-2-TOOMANY: Interface [chars] shutdown by active host limit.`

Explanation The system has shut down an 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 a **no shutdown** interface configuration command.

Error Message `VQPCLIENT-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 `VQPCLIENT-3-VLANNAME: Invalid VLAN ([chars]) in response.`

Explanation The VMPS has specified an unknown VLAN name. [chars] is the invalid VLAN name.

Recommended Action Make sure that the VLAN exists on the switch. Verify the VMPS configuration.

Error Message `VLMAPLOG-6-ARP: vlan [dec] (port [chars]) denied arp ip [inet] -> [inet], [dec] packet[chars]`

Explanation   A packet from the virtual LAN (VLAN) that matches the VLAN access-map (VLMAP) log criteria was detected. The first [dec] is the VLAN number, the first [chars] is the port name, the first [inet] is the source IP address, the second [inet] is the destination IP address, the second [dec] denotes the number of packets, and the second [chars] represents the letter "s" to indicate more than one packet.

Recommended Action   No action is required.

Error Message `VLMAPLOG-6-L4: vlan [dec] (port [chars]) denied [chars] [inet]([dec]) -> [inet]([dec]), [dec] packet[chars]`

Explanation   A packet from the VLAN that matches the VLMAP log criteria was detected. The first [dec] is the VLAN number, the first [chars] is the port name, the second [chars] is the protocol, the first [inet] is the source IP address, the second [dec] is the source port, the second [inet] is the destination IP address, the third [dec] is the destination port, the fourth [dec] denotes the number of packets, and the third [chars] represents the letter "s" to indicate more than one packet.

Recommended Action   No action is required.

Error Message `VLMAPLOG-6-IGMP: vlan [dec] (port [chars]) denied igmp [inet] -> [inet]([dec]), [dec] packet[chars]`

Explanation   A packet from the VLAN that matches the VLMAP log criteria was detected. The first [dec] is the VLAN number, the first [chars] is the port name, the first [inet] is the source IP address, the second [inet] is the destination IP address, the second [dec] is the Internet Group Management Protocol (IGMP) message type, the third [dec] denotes the number of packets, and the second [chars] represents the letter "s" to indicate more than one packet.

Recommended Action   No action is required.

Error Message `VLMAPLOG-6-ICMP: vlan [dec] (port [chars]) denied icmp [inet] -> [inet]([dec]/[dec]), [dec] packet[chars]`

Explanation   A packet from the VLAN that matches the VLMAP log criteria was detected. The first [dec] is the VLAN number, the first [chars] is the port name, the first [inet] is the source IP address, the second [inet] is the destination IP address, the second [dec] is the Internet Control Message Protocol (ICMP) message type, the third [dec] is the ICMP message code, the fourth [dec] denotes the number of packets, and the second [chars] represents the letter "s" to indicate more than one packet.

Recommended Action   No action is required.

Error Message `VLMAPLOG-6-IP: vlan [dec] (port [chars]) denied ip protocol=[dec] [inet] -> [inet], [dec] packet[chars]`

Explanation   A packet from the VLAN that matches the VLMAP log criteria was detected. The first [dec] is the VLAN number, the first [chars] is the port name, the second [dec] is the protocol number, the first [inet] is the source IP address, the second [inet] is the destination IP address, the third [dec] denotes the number of packets, and the second [chars] represents the letter "s" to indicate more than one packet.

Recommended Action   No action is required.

WCCP Messages

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.

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.