4

F to L

This chapter includes system messages for the Cisco NX-OS MDS 9000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

F16_CMN_USD Messages

This section contains the F16_CMN_USD messages.

F16_CMN_USD-6

Message `F16_CMN_USD-6-F16_CMN_DEBUG_MSG: [chars]`

Explanation   Debug log message

Recommended Action   No action is required.

F16_FWD_USD Messages

This section contains the F16_FWD_USD messages.

F16_FWD_USD-6

Message `F16_FWD_USD-6-F16_FWD_DEBUG_MSG: [chars]`

Explanation   Debug log message

Recommended Action   No action is required.

F16_MAC_USD Messages

This section contains the F16_MAC_USD messages.

F16_MAC_USD-3

Message   F16_MAC_USD-3-F16_MAC_ERR_MSG: [chars]

   Explanation   Error log message

   Recommended Action   No action is required.

F16_MAC_USD-6

Message   F16_MAC_USD-6-F16_MAC_DEBUG_MSG: [chars]

   Explanation   Debug log message

   Recommended Action   No action is required.

F16_QUE_USD Messages

This section contains the F16_QUE_USD messages.

F16_QUE_USD-6

Message   F16_QUE_USD-6-F16_QUE_DEBUG_MSG: [chars]

   Explanation   Debug log message

   Recommended Action   No action is required.

F16_XBAR_USD Messages

This section contains the F16_XBAR_USD messages.

F16_XBAR_USD-6

Message   F16_XBAR_USD-6-F16_XBAR_DEBUG_MSG: [chars]

   Explanation   Debug log message

   Recommended Action   No action is required.

FABRICPATH Messages

FABRICPATH-2

Message `FABRICPATH-2-FABRICPATH_LINK_BRINGUP_STALLED_STATIC: Link bringup stalled due to conflicts`

Explanation   Interface is disabled due to conflicts

Recommended Action   No action is required.

FABRICPATH-4

Message `FABRICPATH-4-FABRICPATH_ES_REMOTE_CONFLICT: Remote ES Switch-id collides with local/remote switch-id in database`

Explanation   Conflict between Remote ES switch-id and non ES switch-id in database

Recommended Action   No action is required.

Message `FABRICPATH-4-FABRICPATH_INVALID_FTAG: Invalid ftag [dec] received`

Explanation   Invalid ftag is received from remote

Recommended Action   No action is required.

Message `FABRICPATH-4-FABRICPATH_INVALID_SWITCH_ID: Invalid switch-id [dec] received`

Explanation   Invalid switch-id is received from remote

Recommended Action   No action is required.

Message FABRICPATH-4-FABRICPATH_LOCAL_SWID_UNKNOWN: Local Switch-id is not known to Resource Allocation manager

Explanation Resource Allocation Manager was not able to recover the local switch-id

Message No action is required.

FABRICPATH-6

Message FABRICPATH-6-FABRICPATH_LINK_BRINGUP_RESOLVE_COLLISION: Resolving Collision for switch-id [dec]

Explanation Resolving Collision for switch-id

Recommended Action No action is required.

Message FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED_CLEARED: LINK bringup cleared for [chars] after collision resolution

Explanation Link bringup temporarily suspended due to conflicts

Recommended Action No action is required.

Message FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED: LINK bringup suspended for [chars] due to conflicts

Explanation Link bringup temporarily suspended due to conflicts

Recommended Action No action is required.

Message FABRICPATH-6-FABRICPATH_NEW_ES_SWITCH_ID: New Emulated switch-id [chars] received

Explanation New Emulated switch-id received

Recommended Action No action is required.

Message FABRICPATH-6-FABRICPATH_NEW_SWITCH_ID: New switch-id [chars] received

Explanation New switch-id received

Recommended Action No action is required.

Message FABRICPATH-6-FABRICPATH_SWID_CHANGED: Switch-id [dec] is assigned with [chars] state

    Explanation   Local switch-id is changed

    Recommended Action   No action is required.

Message FABRICPATH-6-FABRICPATH_SWID_CONFLICTS: Switch-id [dec] is in conflict with device [chars]

    Explanation   Local switch-id collision with other device

    Recommended Action   No action is required.

Message FABRICPATH-6-FABRICPATH_SWID_PRI_SEC_CHANGED: Switch-id [dec] is changed to [chars]

    Explanation   Local switch-id status changed

    Recommended Action   No action is required.

Message FABRICPATH-6-FABRICPATH_SWID_STATE_CHANGED: Switch-id [dec] status changed to [chars]

    Explanation   Local switch-id status changed

    Recommended Action   No action is required.

FALCON Messages

This section contains the FALCON messages.

FALCON-SLOT#-2

Message FALCON-SLOT#-2-FALCON_EXITED: Falcon exited (syserr = [dec], errno = [dec])

    Explanation   Falcon exited

    Recommended Action   No action is required.

FC-REDIRECT Messages

This section contains the FC-REDIRECT messages.

FC-REDIRECT-2

Message FC-REDIRECT-2-ACL_ERR_ADD_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

Explanation   FC-Redirect is unable to program ACL entries. ACL module returned an error.

Recommended Action   No action is required.

Message   FC-REDIRECT-2-ACL_ERR_FLOGI_NOT_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied because of ACL module error: [hex] ([chars]) on Module [dec]

Explanation   FC-Redirect is unable to program ACL entries. ACL module returned an error.

Recommended Action   No action is required.

Message   FC-REDIRECT-2-ACL_ERR_NEW_CFG: Unable to Process Configuration Created by [chars] on Switch [chars] for Target [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

Explanation   FC-Redirect is unable to program ACL entries. ACL module returned an error.

Recommended Action   No action is required.

Message   FC-REDIRECT-2-ACL_ERR_TRUNK_PORT_UP: Unable to program trunk port I/F [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

Explanation   FC-Redirect is unable to program ACL entries. ACL module returned an error.

Recommended Action   No action is required.

Message   FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION1_V1: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

Explanation   FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

Recommended Action   No action is required.

Message   FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION2_V1: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

Explanation   FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

Recommended Action   No action is required.

Message FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION2_V2: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected.

Explanation FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION3: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

Explanation FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_MAX_REACHED_ADD_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because of insufficient TCAM resources on Module [dec]

Explanation FC-Redirect is unable to program ACL entries. The possible cause can be more than the allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port.

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_MAX_REACHED_FLOGI_NOT_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied as Maximum Allowable Configuration Reached on Module [dec]

Explanation FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch or more ISL sareco - located on a single line card or more than normal Host(s) are zoned with the Storage Port'

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_MAX_REACHED_NEW_CFG: Unable to Process Configuration Created by [chars] on Switch [chars] for Target [chars] because of insufficient TCAM Resources on Module [dec]

Explanation FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_MAX_REACHED_TRUNK_PORT_UP: Maximum Allowable
Configuration Reached, Unable to program trunk port I/F [chars] on Module [dec]

Explanation FC-Redirect is unable to program ACL entries possible cause can be more than allowed
redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage
Port

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_TIMEOUT_ADD_HOST: Unable to FC-Redirect Host [chars]
traffic going to Target [chars] for application [chars] on Switch [chars] because
ACL module timed out on Module [dec]

Explanation FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being
upgraded/rebooted.

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_TIMEOUT_FLOGI_NOT_ALLOWED: FLOGI from device [chars]
connected at interface [chars] is denied because ACL module timed out on Module
[dec]

Explanation FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being
upgraded/rebooted.

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_TIMEOUT_NEW_CFG: Unable to Process Configuration
Created by [chars] on Switch [chars] for Target [chars] because ACL module timed
out on Module [dec]

Explanation FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being
upgraded/rebooted.

Recommended Action No action is required.

Message FC-REDIRECT-2-ACL_TIMEOUT_TRUNK_PORT_UP: Unable to program trunk port I/F
[chars] because ACL module timed out on Module [dec]

Explanation FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being
upgraded/rebooted.

Recommended Action No action is required.

Message FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL_ACTIVE_CONFIG: FC-Redirect
Active Config Exists. Hitful Downgrade Rejected

Explanation FC-Redirect Downgrade to versions 3.2 and lower is not supported, if Active
Configuration Exist. Hitful Downgrade for the module is rejected. Please use show fc-redirect
configs command and remove appropriate configuration from the applications.

Recommended Action No action is required.

Message FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL_PASSIVE_CONFIG:
FC-Redirect Configs Exist. Hitful Downgrade Rejected

Explanation FC-Redirect Downgrade to versions 3.2 and lower is not supported, if Configuration
Exist on this switch. Hitful Downgrade for the module is rejected. Before doing a HITFUL
downgrade to any version lower than 3.2.1, Please use clear fc-redirect decommission-switch.

Recommended Action No action is required.

Message FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL_V2_CONFIG: FC-Redirect V2
Configs Exist. Hitful Downgrade Rejected

Explanation FC-Redirect Downgrade to versions 3.3.1 and lower is not supported, if Version-2
Configuration Exist. Hitfull Downgrade for the module is rejected.

Recommended Action No action is required.

Message FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL: Hitful Downgrade
Rejected. Reason: [chars]

Explanation FC-Redirect Downgrade to NXOS 4.x or lower is not allowed if the following is true:
1) IVR support is enabled IVR is enabled locally or if FCR app has crested some configurations on
local switch 2) FCR has some configuration for local FPC devices Hitful Downgrade for the module
is rejected.

Recommended Action No action is required.

Message FC-REDIRECT-2-FLOGI_REJECTED_DEV_ONLINE_WITH_DIFFERENT_FCID: Vsan:
[dec], Interface: [chars] on Module [dec], Device PWWN: [chars], Existing fcid:
[hex], New_fcid: [hex]

Explanation FC-Redirect Rejected FLOGI request as it already has the PWWN with a different
FCID in its database.

Recommended Action No action is required.

Message FC-REDIRECT-2-FLOGI_REJECTED_FCR_IVR_FLOW_LC1_USED: [chars] [chars],
Vsan: [dec], Interface: [chars] on Module [dec], fcr_cfg_vsan: [dec],
other_dev_in_flow: [chars] [chars]

    Explanation FC-Redirect Rejected FLOGI request as the port is on a Gen-1 Line Card and is part of IVR flow with FC-Redirect configuration in vsan fcr_cfg_vsan'.'

    Recommended Action No action is required.

Message FC-REDIRECT-2-INCOMPATIBLE_SWITCH_IN_FABRIC: An Incompatible Switch
[chars] added to fabric when FC-Redirect is configured in Version 2 Mode.

    Explanation FC-Redirect is Configured in Version 2 Mode. A switch with FC-Redirect version 3.2.x in the fabric is NOT supported in this mode. FC-Redirect has locked the Fabric. No more FC-Redirect configuration changes would be allowed till this switch is disconnected.

    Recommended Action No action is required.

Message FC-REDIRECT-2-IVR_DEV_UP_REJECTED_DEV_ONLINE_WITH_DIFFERENT_FCID: Vsan:
[dec], Device PWWN: [chars], Existing fcid: [hex], New_fcid: [hex]

    Explanation FC-Redirect Rejected Device UP request from IVR as it already has the pwwn with a different FCID in its database.

    Recommended Action No action is required.

Message FC-REDIRECT-2-IVR_SUPPORT_ENABLE_REJECTED_IVR_FCR_CFG_ALREADY_EXISTS:
Req Src: [chars]

    Explanation FC-Redirect service rejected a request to enable support for IVR flows as it received an error when registering with AAM module. FCR config for IVR virtual devices already exists though IVR support is not enabled. This is not supported. Please remove the appropriate FCR application config and retry again.

    Recommended Action No action is required.

Message FC-REDIRECT-2-IVR_SUPPORT_ENABLE_REJECTED: Req Src: [chars], Error Code:
[hex] ([chars])

    Explanation FC-Redirect service rejected a request to enable support for IVR flows as it received an error when registering with AAM module.

    Recommended Action No action is required.

Message FC-REDIRECT-2-PCMAP_ERR_TRUNK_PORT_UP:PORT_UP request for first member of
Port-channel [chars] Failed due to PCMAP Error seen by FC-Redirect'

    Explanation FC-Redirect encountered a PCMAP Error (Internal Error) when processing PORT_UP request for the first member in port channel. The PORT_UP request was rejected.

    Recommended Action No action is required.

Message `FC-REDIRECT-2-TGT_NOT_ATTACHED_TO_FCR_SWITCH: FC-Redirect Configuration vsan: [dec], Tgt: [chars] VT: [chars] - Tgt is online, but not connected to a switch running FC-Redirect.`

Explanation FC-Redirect requires that targets must be connected to a switch running FC-Redirect. Please Check Config.

Recommended Action No action is required.

Message `FC-REDIRECT-2-TRUNK_PORT_UP_REJ_FCR_IVR_FLOW_LC1_USED: Vsan: [dec], trunk port I/F [chars] on Module [dec], dev: [chars], dev_type: [chars], dev_vsan: [dec]`

Explanation FC-Redirect Rejected Port Bringup request as the port is on a Gen-1 Line Card and the Vsan is used by FC-Redirect/IVR flow FC-Redirect does NOT support Gen-1 Line Cards for IVR virtual devices with FC-Redirect Configuration.

Recommended Action No action is required.

Message `FC-REDIRECT-2-V2_ENABLE_CFG_CHG_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to change all configurations to Version 2 Mode.`

Explanation FC-Redirect did not receive a response from Error_Switch for a CFS broadcast to update all configurations to Version2 mode. Attempt to configure Version2 mode Failed. All FC-Redirect switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: fc-redirect version2 enable.

Recommended Action No action is required.

Message `FC-REDIRECT-2-V2_ENABLE_UNLOCK_V1_TO_V2_DONE_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations after configuring Version 2 Mode.`

Explanation FC-Redirect did not receive a response from Error_Switch' for a CFS broadcast to unlock FC-Redirect configurations after converting them to Version 2 mode. Attempt to configure Version 2 mode Failed. All FC-Redirects switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirectversion2enable'

Recommended Action No action is required.

Message `FC-REDIRECT-2-V2_ENABLE_UNLOCK_V2_TO_V1_DONE_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations after disabling Version 2 Mode.`

Explanation FC-Redirect did not receive a response from Error_Switch' for a CFS broadcast to unlock FC-Redirect configurations after disabling Version 2 mode. Attempt to disable Version 2 mode Failed. All FC-Redirects switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: 'no fc-redirectversion2enable'

Recommended Action No action is required.

FC-REDIRECT-3

Message   FC-REDIRECT-3-CFG_REQ_REJECTED_APPL_SW_LOWER_VER: vsan: [dec], Tgt: [chars], VT: [chars], Appl_Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr_dev: [chars], req_type: [chars], appl_sw_ver: [dec]

Explanation   FC-Redirect rejected configuration request for IVR Virtual device as the application switch has NXOS lower than 5.x. FC-Redirect requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command) 3) All IVR enabled switches and FC-Redirect application switches must be running NXOS version 5.x or higher.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-CFG_REQ_REJECTED_IVR_AAM_NOT_REGISTERED: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr_dev: [chars], req_type: [chars]

Explanation   FC-Redirect rejected configuration request for IVR Virtual device as IVR-Support is disabled. FC-Redirected requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command)

Recommended Action   No action is required.

Message   FC-REDIRECT-3-CFG_REQ_REJECTED_IVR_SUPPORT_DISABLED: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr_dev: [chars], req_type: [chars]

Explanation   FC-Redirect rejected configuration request for IVR Virtual device as IVR-Support is disabled. FC-Redirected requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command) 3) All IVR enabled switches and FC-Redirect application switches must be running NXOS version 5.x or higher.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-CFS_PRE_CHK_FCR_ERR: Pre-chk request Rejected by FC-Redirect on Peer Switch: Err Sw: [chars], status: [dec] ([chars])

Explanation   The Pre-Check message is currently used when enabling/disabling Version 2 or ivr-support in fc-redirect. An appropriate sys err would be generated for the purpose.

Recommended Action   No action is required.

Message FC-REDIRECT-3-CFS_PRE_CHK_SW_ERR: FC-Redirect did not recv. rsp from Peer switch. Error Switch: [chars], CFS rc: [dec], rsp size: [dec]

Explanation   The pre-check message is currently used when enabling/disabling Version 2 or ivr-support in fc-redirect. An appropriate sys err would be generated for the purpose.

Recommended Action   No action is required.

Message FC-REDIRECT-3-CFS_REQ_SEND_ERR: req_type: [dec], req_size = [dec], Error = [dec] ([chars])

Explanation   FC-Redirect Failed to send CFS request.

Recommended Action   No action is required.

Message FC-REDIRECT-3-CFS_RSP_SEND_ERR: req_type: [dec], rrtoken = [dec], rsp_size = [dec], error = [dec] ([chars])

Explanation   FC-Redirect Failed to send CFS response.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-CFS_SEND_REGISTER_ERR: syserr: [hex] ([chars])

Explanation   FC-Redirect Failed to send register request to CFS.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-DELETE_CFG_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service [chars], Error_Switch: [chars]

Explanation   FC-Redirect on 'switch Error_Switch' rejected delete_ config broadcast. Ignore this error if this was caused by 'test fc-redirect config sync-with-fabric' command. If not, FC-Redirect configuration is out of sync across the fabric. Please force 'Error_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command

Recommended Action   No action is required.

Message   FC-REDIRECT-3-DELETE_CFG_CFS_FCR_ERR: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation   FC-Redirect on 'switch Error_Switch' rejected delete_ config broadcast. Ignore this error if this was caused by 'test fc-redirect config sync-with-fabric' command. If not, FC-Redirect configuration is out of sync across the fabric. Please force 'Error_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-DELETE_CFG_CFS_SW_ERR: vsan: [dec], Tgt: [chars], VT:
[chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars],
CFS error code = [dec]

Explanation   FC-Redirect did not receive a response from 'Error_Switch' for delete_cfg CFS
broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this
configuration and retry it.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-FAILOVER_CFG_PRE_CHK_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt:
[chars], Old VT: [chars], New VT: [chars], Switch: [chars], Slot: [dec], Service:
[chars] ([dec]), Error_Switch: [chars]

Explanation   FC-Redirect on switch Error_Switch 'rejected Config PRE_CHECK broadcast for
new_config as it is in' Error' state. Create Fail over Config request from the application was rejected.
Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric
again using' test fc-redirect config sync-with-fabric' command.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-FAILOVER_CFG_PRE_CHK_CFS_FCR_ERR: Tgt: [chars], Old VT:
[chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]),
Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation   FC-Redirect on switch Error_Switch' rejected Config pre-check broadcast for Create
Config. Create Failover_Config request from application was rejected

Recommended Action   No action is required.

Message   FC-REDIRECT-3-FAILOVER_CFG_PRE_CHK_CFS_SW_ERR: Tgt: [chars], Old VT:
[chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]),
Error_Switch: [chars], CFS error code = [dec]

Explanation   C-Redirect on switch Error_Switch' rejected Config pre-check broadcast for Create
Config. Create Failover_Config request from application was rejected

Recommended Action   No action is required.

Message   FC-REDIRECT-3-FC_REDIRECT_CFG_REJECTED_DEFAULT_ZONE_ENTRY_PERMIT: CFG
Rejected: Application: [chars], Target: [chars], vsan: [dec]

Explanation   FC-Redirect rejected configuration request from the Application as default zone entry
for the VSAN is configured as PERMIT. FC-Redirect requires that the default zone entry be DENY
for all VSANs with FC-Redirect configuration. FC-Redirect will reject all further FC-Redirect
configurations in this vsan till default zone entry is set to DENY. Please set default zone entry to
DENY.

Recommended Action   No action is required.

Message FC-REDIRECT-3-FC_REDIRECT_CFS_NEW_CFG_REJECTED_ZONE_DEFAULT_ENTRY_PERMIT
: Default Zone Entry is permit in vsan [dec]. New CFG from switch [chars] rejected.
App: [chars], tgt: [chars], vt: [chars].

Explanation   FC-Redirect requires the default zone entry be configured as DENY for vsans with
devices that have FC-Redirect configurations. But the specified vsan has default entry permit.
FC-Redirect rejected new cfg request from app' on the specified switch. Please change the Default
zone entry to DENY for the vsan.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-FC_REDIRECT_FC2_UNEXPECTED_FRAME_FRM_AAM: Unexpected FC2
Frame received by FC-Redirect SID: [hex], DID: [hex], VSAN: [dec], IFindex:
[chars]

Explanation   FC-Redirect received a FC2 frame for some unknown WWN, which it is not expecting.
FC-Redirect cannot handle this frame and hence dropping it. This is an internal AAM Error and
should not have been forwarded to Fc-Redirect.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-FC_REDIRECT_REJECT_IVR_VIRT_DEV_BRINGUP_FCR_VIRT_DEV:
Vsan: [dec], IVR Virtual Device: [chars], FCR Virtual Dev Type: [chars].

Explanation   IVR is trying to bring up a Virtual device whose PWWN is same as FC-Redirect Virtual
Device. This is a mis-configuration.

Recommended Action   No action is required.

Message FC-REDIRECT-3-FC_REDIRECT_REJECT_IVR_VIRT_DEV_BRINGUP_IVR_SUPPORT_DISABL
ED: Vsan: [dec], IVR Virtual Device: [chars]

Explanation   IVR is trying to bring up a Virtual device. FC-Redirect already has a configuration for
that device - But FC-Redirect IVR-Support is currently disabled. This is a mis-Configuration.
FC-Redirect IVR-Support must be enabled before configuring FC-Redirect based applications to
use IVR Virtual devices. FC-Redirect rejected IVR device bring-up. Please delete the relevant
application configuration before proceeding further.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-FC_REDIRECT_REJECT_IVR_VIRT_DEV_BRINGUP_SANITY_ERR: Vsan:
[dec], IVR Virtual Device: [chars], Action: [dec].

Explanation   IVR is trying to bring up a Virtual device - But the Message has some Sanity Errors.
FC-Redirect failed IVR Device Bringup.

Recommended Action   No action is required.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message   FC-REDIRECT-3-FC_REDIRECT_ZONE_DEFAULT_ENTRY_PERMIT: Default zone entry set to PERMIT in vsan [dec]. This vsan has FC-Redirect configs. FC-redirect requires Default Zone be DENY. All further FC-Redirect configuration requests in this vsan will be rejected till default zone entry is configured as DENY.

Explanation   FC-Redirect requires the default zone entry be configured as DENY for VSANs with devices that have FC-Redirect configurations. But the specified vsan has default zone entry configured as permit. FC-Redirect will reject all further FC-Redirect configuration in this vsan till default entry is configured as DENY. Please set default zone entry to DENY.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-GCD_CFS_SW_ERR: CFS Error. Error_Switch: [chars], VT: [chars], CFS swresp_reason_code: [chars]([dec]), swresp_size: [dec], cfs_sanity_error_code: [dec], attempt: [dec]/[dec]

Explanation   CFS failure. FC-Redirect moved peer to Error state

Recommended Action   No action is required.

Message   FC-REDIRECT-3-GCS_CFS_SW_ERR: CFS Error. Error_Switch: [chars], CFS swresp_reason_code: [chars]([dec]), swresp_size: [dec], cfs_sanity_error_code: [dec], attempt: [dec]/[dec]

Explanation   CFS failure. FC-Redirect moved peer to Error state

Recommended Action   No action is required.

Message   FC-REDIRECT-3-INTERNAL_ERROR: [chars]

Explanation   FC-Redirect Encountered an Internal Error.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJECTED_PEER_SW_ERR_STATE: Failed to Disable IVR Support - Error_Switch: [chars], peer_in_err_state: [chars]

Explanation   The command 'no fc-redirect ivr-support enable' Failed. FC-Redirections with 'Error_Switch' rejected pre-check for IVR Support Disable request as it has one of its peer switches 'peer_in_err_state' in Error state. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action   No action is required.

Message `FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJ_PEER_WITH_CFG_FOR_IVR_VIRT_DEV:`
`Failed to Disable IVR Support - Error_Switch: [chars]`

> **Explanation**   The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error_Switch' rejected pre-check for IVR Support Disable request as it has FC-Redirect configuration for IVR Virtual Devices. Please remove the concerned application configuration and retry the command

> **Recommended Action**   No action is required.

Message `FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJ_PRECHK_CFS_FCR_ERR: Failed to`
`Disable IVR Support - Error_Switch: [chars]`

> **Explanation**   The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error_Switch' rejected the pre-check request.

> **Recommended Action**   No action is required.

Message `FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJ_PRECHK_CFS_SW_ERR: Failed to`
`Disable IVR Support - Error_Switch: [chars]`

> **Explanation**   The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error_Switch' did not respond to pre-check for IVR Support Disable request'

> **Recommended Action**   No action is required.

Message `FC-REDIRECT-3-IVR_VIRT_DEV_BRINGUP_REJECTED_LC1_ACTIVE: Curr_Vsan:`
`[dec], IVR Virtual Device: [chars], vsan_with_gen1_ISL: [dec]`

> **Explanation**   IVR is trying to bring up a Virtual device in Curr_Vsan for which FC-Redirect configuration exists on this switch. This is a mis-configuration. FC-Redirect does NOT support ports (FX or ISLs) on Gen-1Cards if there is configuration for IVR Virtual Devices. Please shut down the gen-1ports involved in FCR-IVR flows and retry again

> **Recommended Action**   No action is required.

Message `FC-REDIRECT-3-MODIFY_CFG_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars],`
`VT: [chars], Switch [chars], Slot: [dec], Service [chars], Error_Switch: [chars]`

> **Explanation**   FC-Redirect on switch Error_Switch' rejected modify_config broadcast as it is in 'Error' state.FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force' Error_Switch' to sync with the fabric again using' test fc-redirect config sync-with-fabric' command

> **Recommended Action**   No action is required.

Message FC-REDIRECT-3-MODIFY_CFG_CFS_FCR_ERR: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation FC-Redirect on switch 'Error_Switch' rejected modify_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

Recommended Action No action is required.

Message FC-REDIRECT-3-MODIFY_CFG_CFS_SW_ERR: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], CFS error code = [dec]

Explanation FC-Redirect did not receive a response from Error_Switch' for modify_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric.Please delete this configuration and retry it.

Recommended Action No action is required.

Message FC-REDIRECT-3-MTS_RSP_SEND_ERR: MTS Opcode: [dec], rrtoken = [dec], rsp_size = [dec], errno = [dec] ([chars])

Explanation FC-Redirect Failed to send MTS response.

Recommended Action No action is required.

Message FC-REDIRECT-3-NEW_CFG_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars]

Explanation FC-Redirect on switch Error_Switch' rejected new_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force' error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action No action is required.

Message FC-REDIRECT-3-NEW_CFG_CFS_FCR_ERR: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation FC-Redirect on switch Error_Switch' rejected new_config broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

Recommended Action No action is required.

Message   FC-REDIRECT-3-NEW_CFG_CFS_SW_ERR: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], CFS error code = [dec]

Explanation   FC-Redirect did not receive a response from Error_Switch' for new_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric.Please delete this configuration and retry it.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-NEW_CFG_PRE_CHK_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error_Switch: [chars]

Explanation   FC-Redirect on switch Error_Switch' rejected Config PRE_CHECK broadcast for new_config as it is in 'Error' state. NEW_CONFIG request from the application was rejected. Please resolve the conflict that caused the error state and force' error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-NEW_CFG_PRE_CHK_CFS_FCR_ERR: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation   FC-Redirect on switch Error_Switch' rejected Config pre-check broadcast for Create_Config. Create_config request from application was rejected.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-NEW_CFG_PRE_CHK_CFS_SW_ERR: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error_Switch: [chars], CFS error code = [dec]

Explanation   FC-Redirect did not receive a response from Error_Switch' for Config pre-check CFS broadcast for new config. Create Config request was rejected.

Recommended Action   No action is required.

Message   FC-REDIRECT-3-REPLACE_VT_CFG_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars]

Explanation   FC-Redirect on switch 'Error_Switch' rejected replace_vt request as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force 'Error_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action   No action is required.

Message FC-REDIRECT-3-UNKNOWN_CFS_REQ_ERR: CFS req_type: [dec], Error_Switch: [chars]

Explanation FC-Redirect on switch Error_Switch' rejected CFS Request of type 'req_type'.

Recommended Action No action is required.

Message FC-REDIRECT-3-V2_ENABLE_ERR_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to abort fc-redirectversion2enable'command.'

Explanation FC-Redirect did not receive a response from Error_Switch' for a CFS broad cast to abort 'fc-redirect version 2 enable' command. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action No action is required.

Message FC-REDIRECT-3-V2_ENABLE_LOCK_CFS_SW_ERR: Error_Switch: [chars] did not respond to lock FC-Redirect configurations.

Explanation FC-Redirect did not receive a response from Error_Switch' for CHG_MODE_LOCKCFS broadcast. Attempt to configure Version 2 mode Failed.

Recommended Action No action is required.

Message FC-REDIRECT-3-V2_ENABLE_PRECHK_CFS_SW_ERR: Error_Switch: [chars] did not respond to pre-check request for fc-redirect version 2 enable' command.'

Explanation FC-Redirect did not receive a response from Error_Switch' for a CFS broad cast to check if 'fc-redirect version 2 enable' command can be executed. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action No action is required.

Message FC-REDIRECT-3-V2_ENABLE_UNLOCK_V1_TO_V2_ABORT_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations.

Explanation FC-Redirect did not receive a response from Error_Switch 'for a CFS broadcast to unlock FC-Redirect configurations when aborting the attempt to configure Version 2 Mode. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action No action is required.

Message `FC-REDIRECT-3-V2_ENABLE_UNLOCK_V2_TO_V1_ABORT_CFS_SW_ERR: Error_Switch:` `[chars] did not respond to request to unlock FC-Redirect Configurations`

Explanation   FC-Redirect did not receive a response from Error_Switch' for a CFS broadcast to unlock FC-Redirect configurations when aborting the attempt to configure Version 2 Mode. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action   No action is required.

FC-REDIRECT-5

Message `FC-REDIRECT-5-ADD_HOST_APPL_REQ: FC-Redirect Configuration Host added for` `Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars] Host:` `[chars] Vi: [chars] vsan: [dec]`

Explanation   Redirect Service requested for the Host / Tgt Pair

Recommended Action   No action is required.

Message `FC-REDIRECT-5-DECOMMISSIONED_SWITCH: FC-Redirect Decommissioned [chars]` `on Local Switch`

Explanation   FC-Redirect Service has been decommissioned on this Switch.

Recommended Action   No action is required.

Message `FC-REDIRECT-5-DEL_HOST_APPL_REQ: Service [chars] enabled on Switch` `[chars] Slot [dec] no longer requires FC-Redirect services for Host [chars] Tgt` `[chars] pair, vsan: [dec]`

Explanation   Redirect Service removed for the Host / Tgt Pair

Recommended Action   No action is required.

Message `FC-REDIRECT-5-DEL_VT_APPL_REQ: FC-Redirect Configuration vsan: [dec],` `Tgt: [chars] VT: [chars] Deleted for Service [chars] Created by Switch [chars]` `Slot [dec] on application request`

Explanation   Application has requested this deletion

Recommended Action   No action is required.

Message FC-REDIRECT-5-DEL_VT_CLI_CLEAR_CFG: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

Explanation FC Redirect Configuration deleted because of the cli command clear fc-redirect config vt<vt-pwwn

Recommended Action No action is required.

Message FC-REDIRECT-5-DEL_VT_DECOM_SW: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

Explanation FC Redirect Configuration deleted because FC Redirect on this switch was decommissioned

Recommended Action No action is required.

Message FC-REDIRECT-5-DEL_VT_LOCAL_CFG_REQ_FROM_PEER: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch: [chars], Slot: [dec], Peer Switch:[chars].

Explanation FC Redirect Configuration deleted because of request from peer.

Recommended Action No action is required.

Message FC-REDIRECT-5-DEL_VT_PENDING_DEL: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch: [chars], Slot: [dec], Peer Switch: [chars].

Explanation Peer_Switch had deleted the configuration when it lost connectivity with this switch. Configuration on this switch is now deleted when connection was restored and FC Redirect synced with the Peer_Switch.

Recommended Action No action is required.

Message FC-REDIRECT-5-DEL_VT_REMOTE_CFG_REQ: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

Explanation FC Redirect Configuration created by a peer deleted because of local application request.

Recommended Action No action is required.

Message `FC-REDIRECT-5-DEL_VT_SYNC_UP_WITH_PEER: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].`

Explanation FC Redirect Configuration deleted as the peer switch that created the configuration has deleted it. This happened when FC Redirect synced with the peer switch.

Recommended Action No action is required.

Message `FC-REDIRECT-5-DEL_VT_TIMEOUT: FC-Redirect Configuration vsan: [dec], Tgt:[chars] VT:[chars] Deleted for Service [chars] Created by Switch [chars] Slot [dec] because of Timeout`

Explanation Application has not become online within configured timeout value

Recommended Action No action is required.

Message `FC-REDIRECT-5-DEL_VT_VSAN_DEL: FC-Redirect Configuration Tgt: [chars] VT: [chars] Deleted for Service [chars] Created by Switch [chars] Slot [dec] because of VSAN [dec] deletion`

Explanation Required Vsan for this configuration deleted in this switch

Recommended Action No action is required.

Message `FC-REDIRECT-5-INFO: [chars]`

Explanation FC-Redirect informational message.

Recommended Action No action is required.

Message `FC-REDIRECT-5-IVR_SUPPORT_DISABLED: IVR Support Disabled in FC_Redirect. Source: [chars]`

Explanation Admin has Disabled FC_Redirect support for IVR flows.

Recommended Action No action is required.

Message `FC-REDIRECT-5-IVR_SUPPORT_DISABLE_REJECTED: Req Src: [chars], Reason: [chars]`

Explanation FC-Redirect service rejected a request to disable support for IVR flows

Recommended Action No action is required.

Message   FC-REDIRECT-5-IVR_SUPPORT_ENABLED: IVR Support Enabled in FC_Redirect.
Source: [chars]

Explanation   Admin has enabled FC_Redirect support for IVR flows.

Recommended Action   No action is required.

Message   FC-REDIRECT-5-REPLACE_VT_APPL_REQ: FC Redirect delete configuration
request: vsan: [dec], Tgt: [chars], VT: [chars], Created by Switch: [chars], Slot:
[dec], for Service: [chars] requested by app on switch [chars].

Explanation   FC Redirect has received a request from local Application to delete a config created by
a remote switch.

Recommended Action   No action is required.

Message   FC-REDIRECT-5-SYNC_WITH_FABRIC_BY_APP: FC-Redirect started Syncing with
peers in Fabric because of request by Service [chars]

Explanation   A local Service request FC-Redirect to sync FC-Redirect Configuration with the peer
switches.

Recommended Action   No action is required.

Message   FC-REDIRECT-5-SYNC_WITH_FABRIC_CLI_CMD: FC-Redirect started Syncing with
peers in Fabric on CLI Command

Explanation   test fc-redirect 'config sync-with-fabric' command was issued on this switch.

Recommended Action   No action is required.

Message   FC-REDIRECT-5-SYNC_WITH_FABRIC_REQ_FROM_PEER: FC-Redirect started
Syncing with peers in Fabric because of request from peer Switch [chars].

Explanation   FC-Redirect on Peer switch requested FC-Redirect to sync FC-Redirect Configuration
with peer switches.

Recommended Action   No action is required.

Message   FC-REDIRECT-5-VT_CREATE_APPL_REQ: FC-Redirect Configuration created for
Service [chars] enabled on Switch [chars] Slot [dec] Tgts: [chars] Vt: [chars],
vsan: [dec]

Explanation   Configuration created because of Application Request

Recommended Action   No action is required.

Message FC-REDIRECT-5-VT_CREATE_POWER_UP: FC-Redirect Configuration created for Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars], vsan: [dec]

Explanation Configuration created after Power-Up

Recommended Action No action is required.

Message FC-REDIRECT-5-VT_CREATE_PROCESS_RESTART: FC-Redirect Configuration created for Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars], vsan: [dec]

Explanation Configuration created after Process Restart

Recommended Action No action is required.

Message FC-REDIRECT-5-VT_CREATE_SWITCHOVER: FC-Redirect Configuration created for Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars], vsan: [dec]

Explanation Configuration created after SUP Switchover

Recommended Action No action is required.

FC-TUNNEL Messages

This section contains the FC-TUNNEL messages.

FC-TUNNEL-3

Message FC-TUNNEL-3-INTERNAL_ERROR: Internal error: [chars]

Explanation FCMPLS tunnel process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action No action is required.

Message FC-TUNNEL-3-IPFC_ERROR: IPFC API, [chars], failed with error [hex]

Explanation FCMPLS tunnel invoked IPFC API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Message   FC-TUNNEL-3-MTS_ERROR: MTS message transmission failed with error [dec]

Explanation   FCMPLS tunnel process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec]

Recommended Action   No action is required.

Message   FC-TUNNEL-3-NS_ERROR: FCNS API, [chars], failed with error [hex]

Explanation   FCMPLS tunnel invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action   No action is required.

Message   FC-TUNNEL-3-PM_ERROR: Port Manager API, [chars], failed with error [hex]

Explanation   FCMPLS tunnel invoked Port Manager API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action   No action is required.

Message   FC-TUNNEL-3-PSS_CFG_RESTORE_ERROR: Configuration restoration for [chars] failed with error [hex]

Explanation   FCMPLS tunnel read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system error code

Recommended Action   No action is required.

Message   FC-TUNNEL-3-PSS_ERROR: PSS operation [chars] returned error: [hex]

Explanation   [chars] specifies the context where the failure occurred and 0x[hex] specifies the error

Recommended Action   No action is required.

Message   FC-TUNNEL-3-PSS_RTDB_RESTORE_ERROR: Runtime database restoration for [chars] failed with error [hex]

Explanation   FCMPLS tunnel read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code

Recommended Action   No action is required.

Message `FC-TUNNEL-3-RIB_ERROR: RIB API, [chars], failed with error [hex]`

Explanation FCMPLS tunnel invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Message `FC-TUNNEL-3-RSVP_PROTO_ERROR: RSVP protocol error: [chars]`

Explanation RSVP-TE protocol error is encountered. [chars] describes the error and its context.

Recommended Action No action is required.

Message `FC-TUNNEL-3-UNEXPECTED_MTS_MSG: Unexpected MTS message, opcode [dec], is received`

Explanation FCMPLS tunnel process received unexpected MTS event. MTS opcode is specified in [dec]

Recommended Action No action is required.

FC-TUNNEL-5

Message `FC-TUNNEL-5-MSG_INTERFACE_DOWN: Interface [chars] is down`

Explanation The logical fc tunnel interface is down. This may be due to a reconfiguration on the fc tunnel, or issues on the underlying physical interface

Recommended Action If this is not due to a known reconfiguration, you should verify connectivity at the physical port level, and then on then on the fc tunnel interface. Furthermore, verify the physical ports along the fc tunnel path operate in the TE mode

Message `FC-TUNNEL-5-MSG_INTERFACE_UP: Interface [chars] is up`

Explanation The fc interface is up

Recommended Action No action is required.

FCC_LC Messages

This section contains the FCC_LC messages.

FCC_LC-2

Message   FCC_LC-2-ERROR_SENDING_HEART_BEAT: Error sending heart beat [dec]

Explanation   FCC_LC has error sending heart beat

Recommended Action   No action is required.

Message   FCC_LC-2-EXITING: Exiting fcc_lc: [chars]

Explanation   FCC_LC exiting

Recommended Action   No action is required.

Message   FCC_LC-2-HEART_BEAT_NOT_SENT: Heart beat not sent for [dec] millisecs

Explanation   FCC_LC has not sent heart beat

Recommended Action   No action is required.

Message   FCC_LC-2-SHUTDOWN: Process shutting down: [chars]

Explanation   FCC_LC Process is shutting down

Recommended Action   No action is required.

Message   FCC_LC-2-UNABLE_READ_DATA: Unable to read fcc data ([chars])

Explanation   FCC is unable to read and process relevant FCC data

Recommended Action   No action is required.

FCC_LC-5

Message   FCC_LC-5-BAD_MSG: Received bad message: [chars]

Explanation   FCC_LC has received a malformed/unrecognized message

Recommended Action   No action is required.

Message   FCC_LC-5-DISABLE: FCC_LC has been disabled

Explanation   FCC_LC has been disabled

Recommended Action   No action is required.

Message   `FCC_LC-5-ENABLE: FCC_LC has been enabled`

Explanation   FCC_LC has been enabled

Recommended Action   No action is required.

Message   `FCC_LC-5-STARTING: FCC_LC process started`

Explanation   Process started successfully

Recommended Action   No action is required.

FCC_LC-6

Message   `FCC_LC-6-PRIO_UPDATE: Updated enable priority to [dec]`

Explanation   FCC_LC is active for packets with priority <= [threshold]

Recommended Action   No action is required.

FCC Messages

This section contains the FCC messages.

FCC-2

Message   `FCC-2-SHUTDOWN: Process shutting down: [chars]`

Explanation   FCC Process is shutting down

Recommended Action   No action is required.

FCC-5

Message   `FCC-5-BAD_MSG: Received bad message: [chars]`

Explanation   FCC has received a malformed/unrecognized message

Recommended Action   No action is required.

Message   `FCC-5-CONGESTION_STATE_CHANGE_NOTIF: Received Congestion State Change notification to state: [dec]`

Explanation   FCC has received a Congestion State Change Notification

Recommended Action   No action is required.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message   FCC-5-DISABLE: FCC has been disabled

Explanation   FCC has been disabled

Recommended Action   No action is required.

Message   FCC-5-ENABLE: FCC has been enabled

Explanation   FCC has been enabled

Recommended Action   No action is required.

Message   FCC-5-RATE_LIMIT_END_NOTIF: Received Rate Limit End notification

Explanation   FCC has received a Rate Limit End Notification

Recommended Action   No action is required.

Message   FCC-5-RATE_LIMIT_START_NOTIF: Received Rate Limit Start notification

Explanation   FCC has received a Rate Limit Start Notification

Recommended Action   No action is required.

Message   FCC-5-STARTING: FCC process started

Explanation   Process started successfully

Recommended Action   No action is required.

FCC-6

Message   FCC-6-PRIO_UPDATE: Updated enable priority to [dec]

Explanation   FCC is active for packets with priority <= [threshold]

Recommended Action   No action is required.

FCDDH Messages

This section contains the FCDDH messages.

FCDDH-SLOT#-3

Message   FCDDH-SLOT#-3-LOG_FCDDH_ERR: Nonrecoverable error - exiting: [chars]

Explanation   Errors which cause program to exit occurred

Recommended Action   No action is required.

FCDDH-SLOT#-4

Message   FCDDH-SLOT#-4-LOG_FCDDH_WARNING: Serious error: [chars]

Explanation   Serious errors which affect all normal operations occurred

Recommended Action   No action is required.

FCDDH-SLOT#-5

Message   FCDDH-SLOT#-5-LOG_FCDDH_DEBUG: Unexpected error: [chars]

Explanation   Unexpected errors which affect some normal operations occurred

Recommended Action   No action is required.

Message   FCDDH-SLOT#-5-LOG_FCDDH_NOTICE: [chars]

Explanation   Major configuration changes

Recommended Action   No action is required.

FCDD Messages

This section contains the FCDD messages.

FCDD-SLOT#-3

Message   FCDD-SLOT#-3-LOG_FCDD_ERR: Nonrecoverable error - exiting: [chars]

Explanation   Errors which cause program to exit occurred

Recommended Action   No action is required.

FCDD-SLOT#-4

Message   FCDD-SLOT#-4-LOG_FCDD_WARNING: Warning!: [chars]

Explanation   Serious errors which affect all normal operations occurred

Recommended Action   No action is required.

FCDD-SLOT#-5

Message   FCDD-SLOT#-5-LOG_FCDD_GCONF_FSM: [chars]

Explanation   Illegal event received in Global Configuration FSM

Recommended Action   No action is required.

Message   FCDD-SLOT#-5-LOG_FCDD_NOTICE: [chars]

Explanation   Major configuration changes

Recommended Action   No action is required.

Message   FCDD-SLOT#-5-LOG_FCDD_RESCAN_FSM: [chars]

Explanation   Illegal event received in Rescan FSM

Recommended Action   No action is required.

Message   FCDD-SLOT#-5-LOG_FCDD_TZONE_FSM: [chars]

Explanation   Illegal event received in Twilight Zone Remover FSM

Recommended Action   No action is required.

Message   FCDD-SLOT#-5-LOG_FCDD_VCONF_FSM: [chars]

Explanation   Illegal event received in VSAN Configuration FSM

Recommended Action   No action is required.

Message   FCDD-SLOT#-5-LOG_FCDD_VNO_FSM: [chars]

Explanation   Illegal event received in VSAN Normal Operation FSM

Recommended Action   No action is required.

FCDD-SLOT#-7

Message   `FCDD-SLOT#-7-LOG_FCDD_DEBUG: [chars]`

Explanation   Unexpected errors which affect some normal operations occurred

Recommended Action   No action is required.

FCDOMAIN Messages

This section contains the FCDOMAIN messages.

FCDOMAIN-2

Message   `FCDOMAIN-2-DOMS_CONFLICT: Conflict detected: ([dec]) domain ID [dec] WWN [chars]`

Explanation   Conflict detected ([dec]) domain ID [dec] with WWN [chars].

Recommended Action   Check which switches have the same WWN and change either one; then change the other domain ID.

Message   `FCDOMAIN-2-EPORT_ISOLATED: Isolation of interface [chars] (reason: [chars])`

Explanation   Fcdomain has isolated interface [chars] (reason: [chars].) Perform a show interface. Based on the reason specified, you might have to ensure domains are adequate and unique in the VSAN and perform a disruptive restart [fcdomain restart disruptive vsan <vsan-id>] or to reinitialize the port.

Recommended Action   No action is required.

Message   `FCDOMAIN-2-FC2BIND_FAILED: Bind to FC2 Service failed`

Explanation   Fcdomain has not been able to contact the FC2 module.

Recommended Action   No action is required.

Message   `FCDOMAIN-2-FC2_INITIALIZATION_FAILED: FC initialization sequence failed`

Explanation   The fcdomain has not been able to complete the initialization sequence with the Fibre Channel subsystem. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

Recommended Action   No action is required.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message   FCDOMAIN-2-FC2_SET_SOCKOPT_DM_SOCK_FAILED: set sockopt to FC2 Service failed

Explanation   Fcdomain has not been able to set sockopt to the FC2 module.

Recommended Action   No action is required.

Message   FCDOMAIN-2-FCID_PERSISTENT_TBL_COMPLETELY_FULL: FCID persistent table is completely full

Explanation   The FCID persistent table is full. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table. No more entries can be saved as persistent FCIDs across reboots.

Recommended Action   Purge stale entries [purge fcdomain fcid] to obtain more free entries OR disable the feature on certain VSANs which are not critical enough [no fcdomain fcid persistent].

Message   FCDOMAIN-2-HIGH_PRIORITY_MTSBIND_FAILED: Bind for high priority IPC failed

Explanation   Fcdomain has not been able to contact the Inter Process Communication (IPC) module for its high priority queue.

Recommended Action   No action is required.

Message   FCDOMAIN-2-INITIALIZATION_FAILED: Initialization sequence failed

Explanation   The fcdomain has not been able to complete the initialization sequence. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

Recommended Action   No action is required.

Message   FCDOMAIN-2-MTSBIND_FAILED: Bind to IPC failed

Explanation   Fcdomain has not been able to contact the Inter Process Communication (IPC) module.

Recommended Action   No action is required.

Message   FCDOMAIN-2-MTSREGISTRATION_FAILED: Registration of opcodes with IPC Service failed

Explanation   Fcdomain has not been able to register its messages with the Inter Process Communication (IPC) module.

Recommended Action   No action is required.

Message   FCDOMAIN-2-MTS_INITIALIZATION_FAILED: IPC initialization sequence failed

Explanation   The fcdomain has not been able to complete the initialization sequence with the IPC (Inter Process Communication) subsystem. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

Recommended Action   No action is required.

Message   FCDOMAIN-2-MY_NON_VIRTUAL_DOM_CONFLICTS: During VSAN merge detected that the local switch has the same domain ID [dec] and WWN [chars] of another switch

Explanation   It has been detected that the local switch has the same domain ID [dec] and WWN [chars] of another switch.

Recommended Action   Check which switches have the same WWN and change either one; then change the other domain ID.

Message   FCDOMAIN-2-NON_VIRTUAL_DOMS_CONFLICTS: During VSAN merge detected conflict between two switches having the same non-virtual domain ID [dec] and the same WWN [chars]

Explanation   It has been detected that two switches have the same non-virtual domain ID [dec] and the same WWN [chars].

Recommended Action   Check which switches have the same WWN and change either one; then change the other domain ID.

Message   FCDOMAIN-2-PSSBIND_FAILED: Bind to Persistent Storage Service failed

Explanation   Fcdomain has not been able to contact the Persistent Storage Service (PSS).

Recommended Action   No action is required.

Message   FCDOMAIN-2-RDIRJT: Rejected request for domain ID [dec], WWN request or [chars] (reason code [dec])

Explanation   An invalid request for domain IDs has been rejected by fcdomain.

Recommended Action   Perform [show fcdomain vsan <vsan-id>] for all the switches in the affected VSAN; if a switch does not have a valid current domain ID, configure preferred domain ID zero, then perform [fcdomain restart vsan <vsan-id>] in the affected VSAN.

Message   FCDOMAIN-2-SYSBIND_FAILED: Bind to System Manager service failed

Explanation   Fcdomain has not been able to contact the System Manager.

Recommended Action   No action is required.

Message   FCDOMAIN-2-SYSMGR_INITIALIZATION_FAILED: System Manager initialization
sequence failed

Explanation   The fcdomain has not been able to complete the initialization sequence with the System
Manager. fcdomain depends on resources not available at the moment: the switch might be short in
memory or some other component might be unable to provide the necessary information to
fcdomain.

Recommended Action   No action is required.

FCDOMAIN-3

Message   FCDOMAIN-3-COMMITERRORLOCALINVALIDALLOWEDDOMS: A remote switch attempted
to locally apply an illicit allowed domains configuration

Explanation   A remote switch attempted to locally apply an allowed domains configuration that
doesn't include all currently assigned domains or the locally configured domain.

Recommended Action   No action is required.

Message   FCDOMAIN-3-COMMITERRORREMOTEINVALIDALLOWEDDOMS: A remote switch (domain
ID [dec], WWN [chars]) refuses to locally apply the proposed allowed domains

Explanation   The remote switch with domain ID [dec] and WWN [chars] refuses to locally apply the
proposed allowed domains probably due to incompatibility with its local configured domain or the
domain ID list.

Recommended Action   Check the configuration on the remote switch, and make sure that the proposed
allowed domains include it. Also, make sure that the proposed allowed domains include all the
domains in the domain ID list.

Message   FCDOMAIN-3-MTSOPENTRX_FAILED: IPC failure (opening of a transaction
failed)

Explanation   Fcdomain was not able to open a transaction (HA Purposes).

Recommended Action   No action is required.

Message   FCDOMAIN-3-MTSRECV_FAILED: IPC failure (receiving of a message failed)

Explanation   Fcdomain has not been able to receive a message from the Inter Process
Communication (IPC) module.

Recommended Action   Please perform fcdomain restart in the affected VSAN (non disruptive).

Message FCDOMAIN-3-MTSRESP_FAILED: IPC failure replying to a request message (error [hex])

Explanation Fcdomain has not been able to reply to a request coming from the Inter Process Communication (IPC) module (error [hex]).

Recommended Action Please perform fcdomain restart in the affected VSAN (non disruptive).

Message FCDOMAIN-3-MTSSENDREQ_FAILED: IPC failure (sending of a request failed)

Explanation Fcdomain was not able to send a request using the Inter Process Communication module.

Recommended Action Please perform [fcdomain restart vsan <vsan-id>] in the affected VSAN (non disruptive.)

Message FCDOMAIN-3-MTSSEND_FAILED: IPC failure (sending of a message (syserr [hex], opc [dec], mtsq [dec], sap.node [hex], sap_addr [dec]) failed)

Explanation Fcdomain has not been able to send a message to the Message Transactional Service (MTS).

Recommended Action Please perform [fcdomain restart vsan <vsan-id>] in the affected VSAN (non disruptive).

Message FCDOMAIN-3-MTS_H_RECV_FAILED: IPC failure (receiving of a message failed)

Explanation Fcdomain has not been able to receive a message from the Inter Process Communication (IPC) module.

Recommended Action Please perform fcdomain restart in the affected VSAN (non disruptive.)

Message FCDOMAIN-3-NVRAMFAILURE: NVRAM open failed

Explanation Reading the last assigned runtime domain IDs from Non Volatile RAM (NVRAM) failed.

Recommended Action Fcdomain is able to continue without access to the Non Volatile RAM (NVRAM.)

Message FCDOMAIN-3-PORT_SUSPENDED: Response (Cmd Code [hex]) for SWILS [hex] intended for [chars] is received on [chars]

Explanation An FC2 response frame (Command Code [hex]) for SWILS [hex] that was intended for interface [chars] has been received on [chars] instead.

Recommended Action Check the configuration of both interfaces on the local switch and the interfaces on the other side of their corresponding links. In particular, check whether they should all belong to the same port-channel.

Message   FCDOMAIN-3-SDWRAPBIND_FAILED: Bind to debug server failed

Explanation   Fcdomain feature has not been able to contact the debug service. Any problems occurring in the fcdomain feature will not be logged.

Recommended Action   No action is required.

Message   FCDOMAIN-3-SDWRAPHISTINIT_FAILED: Initialization of history message list failed.

Explanation   Fcdomain feature has not been able to contact the debug history service. Any problems occurring in the fcdomain feature will not be logged to this debug history.

Recommended Action   No action is required.

Message   FCDOMAIN-3-VSAN_MERGE_DETECTED: Merge detected with VSAN [dec] (Common Fabric Name [chars])

Explanation   The local VSAN and VSAN [dec] have the same principal switch [chars], hence are connected in the same logical fabric.

Recommended Action   No action is required.

FCDOMAIN-4

Message   FCDOMAIN-4-DM_ALLOWED_DM_LIST_MOD_ON_SUBORDINATE: Allowed domain list for vsan [dec] modified on subordinate switch with fcdomain distribution enabled

Explanation   When distribution is enabled, it is recommended to modify the allow domain list on the principal switch only.

Recommended Action   Abort the current session on the local switch and start a new one on the principal switch.

Message   FCDOMAIN-4-FABRICCONFSTARTRCF: Disruptive reconfiguration started

Explanation   A disruptive reconfiguration (RCF phase) of the VSAN has started. This can happen when two or more fabrics merge disruptively, or when the user manually triggers a disruptive reconfiguration of the VSAN.

Recommended Action   No action is required.

Message   FCDOMAIN-4-FC2_CORRUPTED: Received malformed FC2 [chars] frame

Explanation   Fcdomain received a malformed FC2-SWILS frame.

Recommended Action   No action is required.

Message `FCDOMAIN-4-FCID_PERSISTENT_TBL_ALMOST_FULL: FCID persistent table is` `almost full`

Explanation Fcdomain has 80% or more of the FCID persistent table full with entries. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table.

Recommended Action Purge stale entries [purge fcdomain fcid] to obtain more free entries.

FCDOMAIN-5

Message `FCDOMAIN-5-DOMAIN_TYPE_IS_PREFERRED: The domain ID type is currently` `configured as preferred in all the existing VSANs`

Explanation All the currently existing VSANs have the domain ID type configured as preferred. This means that with a low probability the domain ID of the local VSAN might change after a reconfiguration. A reconfiguration can happen when two or more VSANs are merged or a principal link flaps. A principal link is either an upstream or a downstream link.

Recommended Action Type [fcdomain domain <dom-id> static vsan <vsan-id>] to configure as static the domain ID type in an existing VSAN.

Message `FCDOMAIN-5-FCIDP_DISABLED: FCID persistent feature is currently not` `enabled in any of the existing VSANs`

Explanation All the currently existing VSANs have the FCID persistent feature disabled.

Recommended Action Type [fcdomain fcid persistent vsan <vsan-id>] to enable FCID persistent in an existing VSAN. Type [fcdomain fcid persistent global-enable] to automatically enable the FCID persistent feature on all newly created VSANs.

Message `FCDOMAIN-5-FCID_PERSISTENT_TBL_HALF_FULL: FCID persistent table is half` `full`

Explanation Fcdomain has 50% of the FCID persistent table full with entries. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table.

Recommended Action You may want to purge stale entries [purge fcdomain fcid] to obtain more free entries.

Message `FCDOMAIN-5-UNKNOWNDOMAININCFSDATAREQUEST: Received CFS Data request from` `unknown domain [dec].`

Explanation A CFS Data request from the unknown domain [dec] has been received.

Recommended Action No action is required.

Message FCDOMAIN-5-UNKNOWNDOMAININCFSLOCKREQUEST: Received CFS Lock request from unknown domain [dec].

Explanation A CFS Lock request from the unknown domain [dec] has been received.

Recommended Action No action is required.

Message FCDOMAIN-5-UNKNOWNDOMAININCFSRELEASEREQUEST: Received CFS Release request from unknown domain [dec].

Explanation A CFS Release request from the unknown domain [dec] has been received.

Recommended Action No action is required.

Message FCDOMAIN-5-UNKNOWNDOMAININUNKNOWNCFSREQUEST: Received CFS request from unknown domain [dec].

Explanation A CFS request from the unknown domain [dec] has been received.

Recommended Action No action is required.

FCDOMAIN-6

Message FCDOMAIN-6-BF_STARTED: BF started by [chars]

Explanation Build Fabric has been started in this VSAN

Recommended Action No action is required.

Message FCDOMAIN-6-CANNOTFREESINGLEFCID: Impossible to free single FCIDs

Explanation Impossible to free single FCIDs.

Recommended Action No action is required.

Message FCDOMAIN-6-CLEARLOCKNOTIFICATIONRECEIVED: Implicit lock release.

Explanation Lock has been implicitly released due to a clear session operation.

Recommended Action No action is required.

Message FCDOMAIN-6-DEVICEALREADYOWNSDIFFERENTFCIDS: The device already owns different FCIDs

Explanation Requested different FCIDs without any freeing in between.

Recommended Action No action is required.

Message FCDOMAIN-6-DOMAINID_INVALID: Local domain ID invalid

Explanation The local domain ID is invalid.

Recommended Action No action is required.

Message FCDOMAIN-6-DOMAINID_VALID: Local domain ID [dec] available

Explanation The domain ID [dec] is available.

Recommended Action No action is required.

Message FCDOMAIN-6-DOWNSTREAM_SWITCHED: Downstream interface has been fast-switched from [chars] to [chars]

Explanation Because of a link failure the downstream interface has been fast-switched from [dec] to [dec].

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_ALREADY_CREATED: Interface [chars] already created

Explanation Interface [chars] already created.

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_ALREADY_DOWN: Interface [chars] is already down

Explanation Interface [chars] already down.

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_CLEANUP: Interface [chars] received cleanup request

Explanation Fcdomain on interface [chars] has received a cleanup request.

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_CREATED: Creation of interface [chars]

Explanation Fcdomain is going to create interface [chars].

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_DOWN: Interface [chars] is down

Explanation Fcdomain is going to remove interface [chars] from its database.

Recommended Action No action is required.

Message   FCDOMAIN-6-FABRICCONFSTARTBF: Non disruptive reconfiguration started

Explanation   A non disruptive reconfiguration (BF phase) of the VSAN has started. This can happen when two or more fabrics merge, or when the user manually triggers a non disruptive reconfiguration of the VSAN.

Recommended Action   No action is required.

Message   FCDOMAIN-6-FABRICNAME_INVALID: Fabric name not available

Explanation   Fabric name not available.

Recommended Action   No action is required.

Message   FCDOMAIN-6-FABRICNAME_VALID: Fabric name [chars] available

Explanation   Fabric name [chars] available.

Recommended Action   No action is required.

Message   FCDOMAIN-6-FCIDALREADYFREE: FCIDs already free

Explanation   FCIDs already free.

Recommended Action   No action is required.

Message   FCDOMAIN-6-FCIDNOTSTORED: FCIDs not stored

Explanation   FCIDs not stored.

Recommended Action   No action is required.

Message   FCDOMAIN-6-FCIDP_ENABLED_DOM_TYPE_PREFERRED: FCID persistency is enabled, but the domain ID type is configured as preferred

Explanation   The FCID persistency feature is enabled, but the domain ID type is configured as preferred. This means that with a low probability the domain ID of the local VSAN might change after a reconfiguration. A reconfiguration can happen when two or more VSANs are merged or a principal link flaps. A principal link is either an upstream or a downstream link. Should the domain ID change, all the FCIDs associated with it would be invalidated.

Recommended Action   Type [fcdomain domain <dom-id> static vsan <vsan-id>] to configure as static the domain ID type in an existing VSAN.

Message   FCDOMAIN-6-FCIDS_ASSIGNED: Assigned a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex]

Explanation   Assigned a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex].

Recommended Action   No action is required.

Message   FCDOMAIN-6-FCIDS_FREED: Freed a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex]

Explanation   Freed a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex].

Recommended Action   No action is required.

Message   FCDOMAIN-6-FCID_ASSIGNED: Assigned single FCID [hex]:[hex]:[hex]

Explanation   Assigned single FCID [hex]:[hex]:[hex].

Recommended Action   No action is required.

Message   FCDOMAIN-6-FCID_FREED: Freed single FCID [hex]:[hex]:[hex]

Explanation   Freed single FCID [hex]:[hex]:[hex].

Recommended Action   No action is required.

Message   FCDOMAIN-6-INCORRECTDOMAINRANGE: Requested FCIDs with domain field not in expected range

Explanation   Requested FCIDs with domain field not in expected range.

Recommended Action   No action is required.

Message   FCDOMAIN-6-INCORRECTDOMAIN: Requested FCIDs with domain field different from local domain

Explanation   Requested FCIDs with domain field different from local domain.

Recommended Action   No action is required.

Message   FCDOMAIN-6-INVALIDARG: Requested FCID of type 00.00.YY, but specifying an entire area

Explanation   Requested FCID of type 00.00.YY, but specifying an entire area.

Recommended Action   No action is required.

Message   FCDOMAIN-6-MY_SAME_WWN_DIFFERENT_DOMS_CONFLICTS: During VSAN merge detected local WWN [chars] is already in use by another switch (the two switches have different domain IDs: [dec] (local) and [dec])

Explanation   It has been detected that the local switch has the same WWN [chars] of another switch, and that they have different domain IDs: [dec] (local) and [dec].

Recommended Action   Check which switches have the same WWN and change either one.

Message   FCDOMAIN-6-NODOMAIN: Local domain not available

Explanation   The local domain is not available yet.

Recommended Action   No action is required.

Message   FCDOMAIN-6-NOFREEFCID: No free FCIDs

Explanation   No free FCIDs.

Recommended Action   No action is required.

Message   FCDOMAIN-6-NOTOWNER: Feature [dec] cannot free FCID [dec]:[dec]:[dec]
(feature [dec] is the actual owner)

Explanation   Feature UUID [dec] cannot free FCID [dec]:[dec]:[dec] because it is not its owner
(UUID actual owner is [dec]).

Recommended Action   No action is required.

Message   FCDOMAIN-6-OTHER_SIDE_VIRTUAL_IVR_DOMS_OVERLAPPING: During VSAN merge
detected overlap with virtual IVR domain ID [dec] from across the link

Explanation   It has been detected an overlap with the virtual IVR domain ID [dec] from across the
link during an attempt to merge the local VSAN.

Recommended Action   No action is required.

Message   FCDOMAIN-6-PSWSSTARTED: Principal Switch Selection started

Explanation   Fcdomain started a principal switch selection phase to elect a principal switch in this
VSAN.

Recommended Action   No action is required.

Message   FCDOMAIN-6-RCF_STARTED: RCF started by [chars]

Explanation   Reconfigure Fabric has been started in this VSAN

Recommended Action   No action is required.

Message   FCDOMAIN-6-REQSINGLEFCIDWITHINRESERVEDRANGE: Requested single FCIDs in
area [dec] within the reserved range

Explanation   Requested single FCIDs in area [dec] within the reserved range.

Recommended Action   No action is required.

Message   FCDOMAIN-6-REQUESTEDFCIDNOTFREE: Requested FCIDs not free

Explanation   Requested FCIDs not free.

Recommended Action   No action is required.

Message   FCDOMAIN-6-REQUESTEDFCIDRESERVED: Requested reserved FCIDs

Explanation   Requested reserved FCIDs.

Recommended Action   No action is required.

Message   FCDOMAIN-6-REQUESTEDRESERVEDFCIDMISMATCH: Requested persistent FCIDs, but there is a mismatch

Explanation   Requested persistent FCIDs, but there is a mismatch.

Recommended Action   No action is required.

Message   FCDOMAIN-6-SAME_WWNS_DIFFERENT_DOMS_CONFLICTS: During VSAN merge detected two switches with same WWN [chars] and different non-virtual domain IDs [dec] and [dec]

Explanation   It has been detected that two switches have the same WWN [chars], but different non-virtual domain IDs: [dec] and [dec].

Recommended Action   Check which switches have the same WWN and change either one.

Message   FCDOMAIN-6-TIMER_UNKNOWN: fcdomain has received a notification for an unknown timer expiration

Explanation   A timer unknown to fcdomain has expired.

Recommended Action   No action is required.

Message   FCDOMAIN-6-UPSTREAM_SWITCHED: Upstream interface has been fast-switched from [chars] to [chars]

Explanation   Because of a link failure the upstream interface has been fast-switched from [dec] to [dec].

Recommended Action   No action is required.

Message   FCDOMAIN-6-UUIDNOSPACEFOUND: No available space to store the identity of the request or the FCIDs

Explanation   No available space to store the identity of the request or the FCIDs.

Recommended Action   No action is required.

Message   FCDOMAIN-6-UUIDNOTFOUND: Universal Unique ID (UUID) not found

Explanation   Universal Unique ID (UUID) not found.

Recommended Action   No action is required.

Message   FCDOMAIN-6-VIRTUAL_IVR_DOMS_OVERLAPPING: During VSAN merge detected overlap with local virtual IVR domain ID [dec]

Explanation   It has been detected an overlap with the local virtual IVR domain ID [dec] during an attempt to merge the local VSAN.

Recommended Action   No action is required.

FCDOMAIN-7

Message   FCDOMAIN-7-EPORT_ALREADY_ISOLATED: Interface [chars] is already isolated or down

Explanation   Fcdomain was going to isolate interface [chars], but the interface is already isolated.

Recommended Action   No action is required.

Message   FCDOMAIN-7-FABRICCONFCOMPLETEDBF: Non disruptive reconfiguration completed

Explanation   A non disruptive reconfiguration (BF phase) completed. This can happen when two or more fabrics merged, or when the user manually triggered a non disruptive reconfiguration of the VSAN.

Recommended Action   No action is required.

Message   FCDOMAIN-7-FABRICCONFCOMPLETEDRCF: Disruptive reconfiguration completed

Explanation   A disruptive reconfiguration (RCF phase) of the VSAN has completed. This can happen when two or more fabrics merged disruptively, or when the user manually triggered a disruptive reconfiguration of the VSAN.

Recommended Action   No action is required.

Message   FCDOMAIN-7-FC2_RETRY: Retransmission of FC2 frame on interface [chars] (Cmd Code: [hex])

Explanation   Fcdomain is retrying an FC2 frame on interface [chars] due to loss/no response. The Command Code of the frame is [hex].

Recommended Action   No action is required.

Message FCDOMAIN-7-FCID_IN_USE_PURGING_FOR_FICON_MGR: FICON needs to purge the persistent FCID table, but at least one FCID is still in use, preventing this purge from completely remove all entries belonging to the VSAN.

Explanation   There may be a problem in the sequence that shuts down all interfaces before fcdomain receives a request from FICON Manager to purge the persistent FCID table.

Recommended Action   No action is required.

Message FCDOMAIN-7-FSM_FAILED: FSM transition failed on interface [chars] (current state [chars])

Explanation   Fcdomain state machine generated an invalid event on interface [chars], for which no proper action was defined (current state [chars].)

Recommended Action   No action is required.

Message FCDOMAIN-7-FSM_FORBIDDEN_TRANSITION: fcdomain state machine has hit a forbidden transition

Explanation   Fcdomain state machine has tried to execute a forbidden transition.

Recommended Action   No action is required.

Message FCDOMAIN-7-INTERFACERDY: Interface [chars] ready

Explanation   Interface [chars] is ready.

Recommended Action   No action is required.

Message FCDOMAIN-7-PREACTIONTYPE_UNKNOWN: fcdomain state machine has hit an unknown pre-action type

Explanation   An undefined pre-action type has been used.

Recommended Action   No action is required.

Message FCDOMAIN-7-PSWSCOMPLETED: Principal Switch Selection completed

Explanation   A Principal Switch Selection (PSwS phase) completed.

Recommended Action   No action is required.

Message FCDOMAIN-7-RDIACC: Assigned domain ID [dec], WWN of request or [chars] (requested domain ID [dec])

Explanation   Domain ID [dec] has been received by VSAN with WWN [chars] (requested domain ID was [dec].)

Recommended Action   No action is required.

FCD Messages

This section contains the FCD messages.

FCD-7

Message `FCD-7-SB3_ABTS_EXCHANGE: sb3 aborted exchange [hex] from vsan:[dec] ch:[hex] chi:[hex] ccw:[hex] token:[hex] cmd:[hex] reason:[chars] state:[chars]:[dec]`

Explanation SB3 aborted exchange due to reason given. Aborts are caused by either the channel or control unit detecting a device protocol error. Recovery actions are performed to restore communication. In certain circumstances aborts occur in normal operations.

Recommended Action No action is required if communication with CUP device is still operational.

Message `FCD-7-SB3_UCS_PER_FILE_FN: VSAN:[dec] Unit Check for perform file function, reason: [chars]`

Explanation SB3 failed perform file function. Failure is caused by error in the file main frame sent to director.

Recommended Action No action is required if communication with CUP device is still operational.

FCFWD Messages

This section contains the FCFWD messages.

FCFWD-3

Message `FCFWD-3-ERROR: [chars]`

Explanation Fcfwd encountered an error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FCFWD-4

Message `FCFWD-4-WARNING: [chars]`

Explanation Fcfwd is generating a relevant notification

Recommended Action No action is required.

FCFWD-6

Message   FCFWD-6-INFO: [chars]

Explanation   An fc fwd event occurred

Recommended Action   No action is required.

FCNS Messages

This section contains the FCNS messages.

FCNS-2

Message   FCNS-2-DB_FULL: the database; max entries [dec] exceeded

Explanation   Name server database is full. The max number of entries, [dec], of ports is already present in the database

Recommended Action   No action is required.

Message   FCNS-2-INIT_FAILURE:: [chars]

Explanation   Fcns initialisation has failed due to [chars].

Recommended Action   No action is required.

Message   FCNS-2-NO_RESPONSE: for query [chars] from domain [dec]

Explanation   No response for query [chars] from domain [dec].

Recommended Action   No action is required.

Message   FCNS-2-PSS_VERSION_MISMATCH:: for [chars]

Explanation   Version mismatch for pss of type [chars].

Recommended Action   No action is required.

Message   FCNS-2-RELOAD_FAILURE:: [chars]

Explanation   Failed to reload information from PSS: [chars].

Recommended Action   No action is required.

FCNS-3

Message   FCNS-3-BAD_FRAME:: [chars]

Explanation   Received a bad frame from the network: [chars].

Recommended Action   No action is required.

Message   FCNS-3-CFG_FAILURE:: [chars]

Explanation   A failure related to fcns configuration: [chars].

Recommended Action   No action is required.

Message   FCNS-3-CHUNK_FAILURE:: [chars]

Explanation   Chunk memory failure: [chars].

Recommended Action   No action is required.

Message   FCNS-3-DB_FAILURE:: [chars]

Explanation   A failure occurred in fcns database: [chars].

Recommended Action   No action is required.

Message   FCNS-3-MALLOC_FAILURE:: [chars]

Explanation   Malloc failed: [chars].

Recommended Action   No action is required.

Message   FCNS-3-MTS_FAILURE:: [chars] [chars]

Explanation   Failure occurred trying to do an MTS operation: [chars] [chars].

Recommended Action   No action is required.

Message   FCNS-3-PSS_FAILURE:: [chars]

Explanation   Pss failure: [chars].

Recommended Action   No action is required.

FCNS-4

Message FCNS-4-QUERY_NO_RESPONSE: for query [chars] from domain [dec]

Explanation   No response for query [chars] from domain [dec].

Recommended Action   No action is required.

FCNS-6

Message FCNS-6-DB_INFO:: [chars] [hex]

Explanation   Database modification:[chars] for entry [hex].

Recommended Action   No action is required.

Message FCNS-6-STATUS_INFO:: [chars]

Explanation   A change in fcns status: [chars].

Recommended Action   No action is required.

FCOE_MGR Messages

This section contains the FCOE_MGR messages.

FCOE_MGR-2

Message FCOE_MGR-2-FCOE_MGR_MODULE_NOT_LICENSED: FCoE Manager Module:[dec] not licensed

Explanation   FCOE_MGR Line Card not licensed

Recommended Action   No action is required.

Message FCOE_MGR-2-FCOE_MGR_PSS_RESTORE_FAILED: FCoE Manager PSS Restore operation failed, error: [chars]

Explanation   FCOE Manager PSS Restore operation failed

Recommended Action   No action is required.

FCOE_MGR-5

Message FCOE_MGR-5-FCOE_MGR_DISABLED: FCOE_MGR Disabled

   Explanation FCOE_MGR Service Disabled

   Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_ENABLED: FCOE_MGR Enabled

   Explanation FCOE_MGR Service enabled

   Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_INFO: [chars]

   Explanation FCoE Manager general info

   Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_MODULE_LICENSE_CHECKIN: FCoE Manager License
Checkin:[dec]

   Explanation FCOE_MGR Line Card license checked in

   Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_MODULE_LICENSE_CHECKOUT: FCoE Manager License
Checkout:[dec]

   Explanation FCOE_MGR Line Card license checked out

   Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_SOLICITATION_FROM_SAME_MAC: FCoE Manager received
Multicast Solicitation from same MAC: [chars]

   Explanation FCoE Manager received Multicast Solicitation from same MAC

   Recommended Action No action is required.

Message `FCOE_MGR-5-FCOE_MGR_VE_DUPLICATE_PEER_MAC: FCoE Manager has already received unicast advertisement from MAC [chars] on a different VE link. Bringing down this link`

Explanation   FCoE Manager has already received unicast advertisement from same MAC on a different VE link

Recommended Action   No action is required.

FCOE Messages

This section contains the FCOE messages.

FCOE-5

Message `FCOE-5-FCOE_DISABLED: FCOE Disabled`

Explanation   FCOE Service Disabled

Recommended Action   No action is required.

Message   `FCOE-5-FCOE_ENABLED: FCOE Enabled`

Explanation   FCOE Service Enabled

Recommended Action   No action is required.

FCSP-MGR Messages

This section contains the FCSP-MGR messages.

FCSP-MGR-2

Message   `FCSP-MGR-2-DBG_INIT_FAILED: Debug Infrastructure Initialization failed ([chars])`

Explanation   The system has detected an error.

Recommended Action   No action is required.

Message   `FCSP-MGR-2-FC2_E_INIT_FAILED: Fibre-Channel Initialization of an E_Port failed ([chars])`

Explanation   FC-SP Manager has been unable to initialize with the FC-2 E-Port infrastructure.

Recommended Action   No action is required.

Message   FCSP-MGR-2-FC2_F_INIT_FAILED: Fibre-Channel Initialization of an F_Port failed ([chars])

Explanation   FC-SP Manager has been unable to initialize with the FC-2 F-Port infrastructure.

Recommended Action   No action is required.

Message   FCSP-MGR-2-FC2_UNKNOWN_FRM_RECD_CRIT: Received an unexpected/unknown FC-2 frame on [chars]

Explanation   The system has detected an error.

Recommended Action   No action is required.

Message   FCSP-MGR-2-FCSP_AUTHENT_FAILURE: FC-SP Authentication failure on Port [chars] (FC-SP Failure Reason: [chars] [chars])

Explanation   Fibre-Channel Authentication failure on Port [chars].(Reason Code [chars] Detail [chars]). Please check password configurations and ensure appropriate security modes on this port as well as peer port

Recommended Action   No action is required.

Message   FCSP-MGR-2-FCSP_ESP_MISMATCH: ESP parameters mismatch failure on Port [chars] (reason:[chars])

Explanation   Fibre-Channel ESP parameters mismatch with the peer on Port [chars].(Reason: [chars]). Please check ESP configurations on both side of the link and ensure appropriate ESP mode on this port as well as peer port

Recommended Action   No action is required.

Message   FCSP-MGR-2-FSMU_INIT_FAILED: State Machine Infrastructure Initialization failed ([chars])

Explanation   The system has detected an error.

Recommended Action   No action is required.

Message   FCSP-MGR-2-IPC_INIT_FAILED: IPC (Inter Process Communication) Initialization failed ([chars])

Explanation   FC-SP Manager has been unable to initialize with the IPC infrastructure.

Recommended Action   No action is required.

Message   FCSP-MGR-2-LICENSE_UNAVAILABLE: License:[chars] unavailable, service exiting

Explanation   License of [chars] is unavailable. Service will exit now

Recommended Action   Please install the license file to continue using the feature.

Message   FCSP-MGR-2-MEM_FAILED: Memory operations failed File: [chars] Line [dec] for size [hex] bytes

Explanation   The system has detected an error.

Recommended Action   No action is required.

Message   FCSP-MGR-2-POST_INIT_FAILED: Post-Initialization failed ([chars])

Explanation   The system has detected an error.

Recommended Action   No action is required.

Message   FCSP-MGR-2-PSS_INIT_FAILED: PSS Infrastructure Initialization failed ([chars])

Explanation   The system has detected an error.

Recommended Action   No action is required.

FCS Messages

This section contains the FCS messages.

FCS-2

Message   FCS-2-ALLOC_FAILED: Memory allocation failed for size:[dec]

Explanation   Memory allocation failed for size [dec].

Recommended Action   Restart the process.

Message   FCS-2-CHUNK_ALLOC_FAILED: Chunk memory allocation failed for [chars] chunk

Explanation   Chunk memory allocation failed. [chars] indicates the chunk name.

Recommended Action   Restart the process.

Message   FCS-2-NO_RESPONSE: Retried maximum number of times for [chars] to domain [dec] in VSAN [dec]

Explanation   Maximum number of retires completed for [chars] form domain [dec] in VSAN [dec].

Recommended Action   No action is required.

Message   FCS-2-PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

Explanation   There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   FCS-2-RANDNUM_FAIL: [chars]

Explanation   There was a critical error during random number generation. [chars] indicates details of the error.

Recommended Action   No action is required.

FCS-3

Message   FCS-3-DB_ERR: [chars]

Explanation   An error occurred during an FCS database operation. [chars] indicates the reason for the error.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   FCS-3-INIT_FAIL: [chars]

Explanation   An error happened during FCS Initialization. [chars] indicates the reason for failure.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   FCS-3-MTS_API_ERR: [chars]: [chars]

Explanation   An error occurred in send or receive of an MTS message. [chars] indicates the error that occurred and [chars] indicates the error number.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message FCS-3-MTS_ERR: [chars]

Explanation An error occurred in processing of an MTS message. [chars] indicates the error that occurred.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message FCS-3-NO_MTS_RESP: [chars]

Explanation There was no response to an MTS request. [chars] indicates details of the MTS message.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message FCS-3-NO_REMOTE_RESP: No response for request [chars] from domain [dec] in VSAN [dec]

Explanation There was no response to an FC2 request. [chars] indicates FCS request [dec] indicates the remote domain and [dec] the VSAN ID.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message FCS-3-OTHER_ERR: [chars]

Explanation An FCS generic error occurred. [chars] indicates the description of the error.

Recommended Action No action is required.

Message FCS-3-PSS_ERR: [chars]

Explanation An error occurred during an FCS PSS operation. [chars] indicates the PSS operation that caused the error.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message FCS-3-SOCK_ERR: sd: [dec], [chars]

Explanation An FC-2 Socket error occurred on socket-ID [dec]. [chars] indicates the reason for failure.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FCS-5

Message   FCS-5-API_FAIL: [chars]: [chars]

Explanation   An API called by FCS failed. [chars] indicates the API name failed and [chars] the reason for failure.

Recommended Action   If this message is seen during a cold boot, it means that the queried module came up after FCS and this case can be ignored.

Message   FCS-5-DB_NOTICE: [chars]

Explanation   An error occurred during an FCS database operation. [chars] indicates the reason for the error.

Recommended Action   No action is required.

FCS-6

Message   FCS-6-BAD_CT_FRAME: Invalid FCS frame: [chars] received from [hex]

Explanation   An invalid FCS FC-CT frame with [chars] received from FC-ID [hex].

Recommended Action   No action is required.

Message   FCS-6-INFORMATION: [chars]

Explanation   An event happened that affects FCS. [chars] indicates the event

Recommended Action   No action is required.

Message   FCS-6-REXMIT_PKT: Retransmitting request [chars] to domain [dec] in VSAN [dec]

Explanation   There was a retransmission of an FC2 request. [chars] indicates FCS request [dec] indicates the remote domain and [dec] the VSAN ID

Recommended Action   No action is required.

FDMI Messages

This section contains the FDMI messages.

FDMI-2

Message FDMI-2-FDMI_INIT_FAILED: FDMI initialization failed : [chars]

Explanation Fdmi process encountered error while starting.

Recommended Action No action is required.

Message FDMI-2-MTS_ERROR: MTS message transmission failed with error [dec]

Explanation Fdmi process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec].

Recommended Action No action is required.

Message FDMI-2-PSS_CFG_RESTORE_ERROR: Configuration restoration for [chars] failed with error [hex] for key type [dec]

Explanation Fdmi read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system err code.

Recommended Action No action is required.

Message FDMI-2-PSS_RTDB_RESTORE_ERROR: Runtime database restoration for [chars] failed with error [hex]

Explanation Fdmi read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system err code.

Recommended Action No action is required.

FDMI-3

Message FDMI-3-BAD_FRAME: Malformed frame received: [chars]

Explanation Fdmi process received malformed frame. [chars] describes the malformation

Recommended Action No action is required.

Message FDMI-3-BAD_RESPONSE: response with command code: [hex]

Explanation Fdmi process received bad payload in response

Recommended Action No action is required.

Message   FDMI-3-INTERNAL_ERROR: Internal err: [chars]

Explanation   Fdmi process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action   No action is required.

Message   FDMI-3-MTS_API_ERROR: API, [chars] returned [hex]

Explanation   Fdmi invoked API [chars], received the error code specified in 0x[hex]

Recommended Action   No action is required.

Message   FDMI-3-MTS_FORMAT_ERROR: Unknown MTS message format in opcode [dec] from module [chars]

Explanation   Fdmi received message from module [chars] which contains unknown message format. MTS opcode is specified in [dec]

Recommended Action   No action is required.

Message   FDMI-3-NO_RESPONSE: No response from switch whose domain id is [dec]

Explanation   Fdmi process sends a inter-switch packets to switches and has not received the response

Recommended Action   No action is required.

Message   FDMI-3-PSS_ERROR: PSS operation [chars] returned err: [hex]

Explanation   [chars] specifies the context where the failure occurred and 0x[hex] specifies the err

Recommended Action   No action is required.

Message   FDMI-3-UNEXPECTED_MTS_MSG: Unexpected MTS message, opcode [dec], is received

Explanation   Fdmi process received unexpected MTS event. MTS opcode is specified in [dec]

Recommended Action   No action is required.

FDMI-4

Message   FDMI-4-SW_REJ_RESPONSE: VSAN [id] Reject response [chars] from switch whose domain id is [dec]

Explanation   Fdmi process sends a inter-switch packets to switches and has received the reject response with reason code in [chars]

Recommended Action   No action is required.

FDMI-6

Message   FDMI-6-DEBUG_INFO: [chars]

   Explanation   Fdmi process debug info

   Recommended Action   No action is required.

FEATURE-MGR Messages

This section contains the FEATURE-MGR messages.

FEATURE-MGR-2

Message FEATURE-MGR-2-FM_AUTOCKPT_FAILED: AutoCheckpoint [chars] failed to be created for reason: [chars] ([hex])

   Explanation   AutoCheckpoint with the given name has been created successfully

   Recommended Action   No action is required.

Message FEATURE-MGR-2-FM_FEATURE_LICENSE_ERROR: the license operation for feature failed [hex] [chars]

   Explanation   License operation was not successful, check license validity for the feature

   Recommended Action   Please contact FM team

Message FEATURE-MGR-2-FM_FEATURE_LICENSE_ERROR: license [chars] checkout failure for [chars], error [hex] ([chars])

   Explanation   License operation was not successful, check license validity for the feature

   Recommended Action   Please contact FM team

Message FEATURE-MGR-2-FM_FEATURE_OP_TIMEOUT_ERROR: feature [chars] operation failed on response timeout from service: [chars] with uuid ([hex])

   Explanation   The error seen at FM and service communication

   Recommended Action   Please contact service owner with given uuid and FM team

Message FEATURE-MGR-2-FM_FSET_ADD_CONFCHECK_ERROR: failed to add confcheck [hex] ([chars]) at installing feature-set [chars]

Explanation   Failed to add confcheck at enabling feature-set

Recommended Action   Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_CFG_ALLOW_ERROR: Potential vdc_mgr issue: the allow request failed [hex] ([chars])

Explanation   vdc_mgr failed to response the allow request

Recommended Action   Please contact FM/vdc_mgr team

Message FEATURE-MGR-2-FM_FSET_CKPT_ERROR: Checkpoint issue: failed on checkpoint with error [hex] ([chars]) at feature-set [chars]

Explanation   Checkpoint did not response

Recommended Action   Please contact FM/vdc_mgr and rollback team

Message FEATURE-MGR-2-FM_FSET_DISABLE_ERROR: Potential sysmgr issue: disable feature-set [chars] on sup failed with error [hex] ([chars])

Explanation   Some issues while disabling feature-set

Recommended Action   Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_DISABLE_FEATURES_ERROR: features failed to disable at feature-set [chars] with error [hex] ([chars])

Explanation   Failed to disable feature at disabling feature-set

Recommended Action   Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_DISABLE_FEATURES_TIMEOUT: Potential [chars] issue: feature [chars] did not complete its disabling

Explanation   Failed to disable feature at disabling feature-set

Recommended Action   Please contact FM/sysmgr team and the feature owner

Message FEATURE-MGR-2-FM_FSET_INSTALL_ERROR: install feature-set [chars] returns error 0X[hex] ([chars])

Explanation   Some issues during install feature-set

Recommended Action   Please contact FM/sysmgr team

Message   FEATURE-MGR-2-FM_FSET_LCS_DISABLE_ERROR: Potential sysmgr issue: disable feature-set [chars] failed on module [dec] with error [hex] ([chars])

   Explanation   Some issues on the lc while disabling feature-set

   Recommended Action   Please contact FM/sysmgr team

Message   FEATURE-MGR-2-FM_FSET_LCS_ENABLE_ERROR: enabling feature-set [chars] on module [dec] returns error 0X[hex] ([chars])

   Explanation   Some issue on the lc while enabling feature-set

   Recommended Action   Please contact FM/sysmgr team

Message   FEATURE-MGR-2-FM_FSET_PRESEQ_REJECT: It rejects pre-sequence due to a service with sap [dec]: [chars]

   Explanation   The message seen when an application rejects feature-set disable request

   Recommended Action   Please contact FM/sysmgr team

Message   FEATURE-MGR-2-FM_FSET_SUP_ENABLE_ERROR: enabling feature-set [chars] on sup returns error 0X[hex] ([chars])

   Explanation   Some issues during enabling feature-set

   Recommended Action   Please contact FM/sysmgr team

Message   FEATURE-MGR-2-FM_FSET_UNGRACEFUL_DISABLE_ERROR: Potential sysmgr issue: ungraceful disable feature-set [chars] failed with error [hex] ([chars])

   Explanation   Some issues while ungraceful disable feature-set

   Recommended Action   Please contact FM/sysmgr team

Message   FEATURE-MGR-2-FM_FSET_UNGRACEFUL_UNINSTALL_ERROR: Potential sysmgr issue: ungraceful uninstall feature-set [chars] failed with error [hex] ([chars])

   Explanation   Some issues while ungraceful uninstall feature-set

   Recommended Action   Please contact FM/sysmgr team

Message   FEATURE-MGR-2-FM_FSET_UNINSTALL_ERROR: Potential sysmgr issue: uninstall feature-set [chars] failed with error [hex] ([chars])

   Explanation   Some issues while uninstall feature-set

   Recommended Action   Please contact FM/sysmgr team

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Message   FEATURE-MGR-2-FM_FSET_VMM_OP_ERROR: [chars]

Explanation   The error seen at FM and VMM interaction

Recommended Action   Please contact FM/VMM team

Message   FEATURE-MGR-2-MODULE_FM_DONE: feature manager completed

Explanation   Feature manager completed

Recommended Action   No action is required.

Message   FEATURE-MGR-2-MODULE_FM_STARTED: feature manager started

Explanation   Feature manager started

Recommended Action   No action is required.

Message   FEATURE-MGR-2-FM_FEATURE_OP_GENERIC_ERROR

Explanation   Service tacacs with uuid [dec] [hex] encountered error: [hex] ([chars])

Recommended Action   Please contact Service Owner for details.

FEATURE-MGR-6

Message   FEATURE-MGR-6-FM_AUTOCKPT_IN_PROGRESS: AutoCheckpoint [chars] creation in progress...'

Explanation   AutoCheckpoint creation has been requested and it should be in progress

Recommended Action   No action is required.

Message   FEATURE-MGR-6-FM_AUTOCKPT_SUCCEEDED: AutoCheckpoint [chars] created successfully

Explanation   AutoCheckpoint with the given name has been created successfully

Recommended Action   No action is required.

Message   FEATURE-MGR-6-FM_FCOE_AUTOINSTALL_ON_NOT_ISOLA: auto-install feature-set fcoe on non-isola

Explanation   Auto-install feature-set fcoe could be done on isola only

Recommended Action   Please contact FM team

Message `FEATURE-MGR-6-FM_FSET_ENABLED_AT_UNINSTALL: Uninstall aborted because feature set is still enabled in vdc [dec]`

Explanation   Feature set is in enabled state

Recommended Action   No action is required.

FEX Messages

This section contains the FEX messages.

FEX-2

Message `FEX-2-FEX_NOT_ONLINE_SUP_ISSU: FEX [dec] did not come online after SUP ISSU`

Explanation   This is reported when FEX does not come online after ISSU once the SUP came online. When ISSU failure occurs, at the end of the "install all", the installer will analyze different logs and display the relevant information to diagnose the problem.

Recommended Action   If the information from the ISSU analyzer needs to be viewed again, the command "show install all failure-reason" can be used. If FEX did not respond after sup came online during upgrade is reported, investigate the reason for FEX not coming online.

Message `FEX-2-FEX_OFFLINE: FEX [dec] has gone OFFLINE`

Explanation   This is reported when system info message is failed to be sent to FEX, the reason being FEX offline.

Recommended Action   Investigate the reason for the FEX going offline. Check the output of the cli show interface ethernet x/y, where x/y is the port to which the FEX is connected.

Message `FEX-2-FEX_ONLINE: FEX [dec] has come ONLINE`

Explanation   Indicates FEX coming online.

Recommended Action   No action is required as this syslog is just an indication that FEX is coming online.

Message `FEX-2-FEX_PORT_STATUS_CRIT: Uplink-ID [dec] of Fex [dec] that is connected with [chars] changed its status from [chars] to [chars]`

Explanation   This is reported when there is some incompatibility in configuration detected.

Recommended Action   Check the configuration and reconfigure the FEX correctly.

Message   FEX-2-NOHMS_ENV_FEX_OFFLINE: [chars]

Explanation   Indicates FEX going offline.

Recommended Action   If this syslog is reported because of intentional invocation of any cli that will make the FEX offline, then no action is required. Else Investigate the reason for the FEX going offline. Check the output of the CLI ?show interface ethernet x/y, where x/y is the port to which the FEX is connected.

Message   FEX-2-NOHMS_ENV_FEX_ONLINE: [chars]

Explanation   Indicates FEX coming online.

Recommended Action   No action is required as this syslog is just an indication that FEX is coming online.

FEX-4

Message FEX-4-FEX_SCALING_LIMITS_REACHED: You have exceeded the advisable FEX scaling limits.

Explanation   This is reported because the scaling limit has reached for configuring Fabric Extenders with total number of Fabric Extender server interfaces on Supervisor i.e. More FEX/FEX ports in the system than recommended by Cisco.

Recommended Action   Do not further scale up the Fabric Extenders with total number of Fabric Extender server interfaces on Supervisor.

FEX-5

Message   FEX-5-FEX_DISABLED: FEX Disabled

Explanation   FEX Service Disabled

Recommended Action   No action is required.

Message   FEX-5-FEX_ENABLED: FEX Enabled

Explanation   FEX Service Enabled

Recommended Action   No action is required.

Message   FEX-5-FEX_PORT_STATUS_NOTI: Uplink-ID [dec] of Fex [dec] that is connected with [chars] changed its status from [chars] to [chars]

Explanation   Fex [decimal-digit] changed port status

Recommended Action   No action is required.

Message   `FEX-5-PINNING_CHANGED: Fex [dec] pinning information is changed`

Explanation   Fex pinning information changed

Recommended Action   No action is required.

Message   `FEX-5-SATMGR_DISABLE_FAILED: Disabling of feature FEX failed. Please remove FEX related configs from interfaces`

Explanation   This is reported when Disabling of FEX fails.

Recommended Action   Remove all FEX related interface configurations manually.

FIB Messages

This section contains the FIB messages.

FIB-SLOT#-0

Message   `FIB-SLOT#-0-EMERG: [chars]`

Explanation   Fib caused a system failure

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FIB-SLOT#-1

Message   `FIB-SLOT#-1-ALERT: [chars]`

Explanation   Fib caused failures in other services

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   `FIB-SLOT#-1-HW_RESOURCE: [chars]`

Explanation   Hardware resources are approaching limit.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FIB-SLOT#-2

Message `FIB-SLOT#-2-CRIT: [chars]`

Explanation Fib encountered a catastrophic error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message `FIB-SLOT#-2-FIB_TCAM_HA_ERROR: FIB recovery errors, please capture show tech forwarding l3 unicast' and 'show tech forwarding l3 multicast'`

Explanation FIB had some HA recovery failures for certain prefixes/labels.

Recommended Action No action is required.

Message `FIB-SLOT#-2-FIB_TCAM_RESOURCE_EXHAUSTION: FIB TCAM exhausted for [chars]`

Explanation The TCAM device in the L3 forwarding ASIC has reached its system limits.

Recommended Action No action is required.

FIB-SLOT#-3

Message `FIB-SLOT#-3-ERR: [chars]`

Explanation Fib encountered an error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message `FIB-SLOT#-3-FIB_URPF_RESOURCE_EXHAUSTION: uRPF memory exhausted - Failed to add uRPF interface(s)`

Explanation The URPF memory in the L3 forwarding ASIC has reached its system limits.

Recommended Action No action is required.

Message `FIB-SLOT#-3-HW_FAIL: [chars]`

Explanation Failed to program route into the hardware.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message `FIB-SLOT#-3-NO_MEM: Out of memory`

Explanation Fib does not have enough memory to continue proper operation.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message `FIB-SLOT#-3-SEND_SUP: Cannot talk to supervisor`

Explanation Fib to supervisor IPC failure

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FIB-SLOT#-4

Message `FIB-SLOT#-4-CPU_HOG: Inactive or busy`

Explanation Either fib was not scheduled to run, or fib was busy, and fib did not service the message or timer queue for an extended period.

Recommended Action Please perform debug fiber or, then recreate the operation scenario, to find out more details.'

Message `FIB-SLOT#-4-FIB_ADJ_UTIL_WARNING: Adjacency memory utilization is at [dec] percent`

Explanation Adjacency memory utilization has is above its threshold

Recommended Action No action is required.

Message `FIB-SLOT#-4-FIB_TCAM_ADJ_EXHAUSTED: Adjacency allocation failed for [chars]`

Explanation Failed to allocate an adjacency. Adjacency memory could have been exhausted

Recommended Action No action is required.

Message `FIB-SLOT#-4-FIB_TCAM_AF_INSERT_FAIL: FIB TCAM prefix insertion fail for [chars]`

Explanation The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization above threshold.

Recommended Action No action is required.

Message FIB-SLOT#-4-FIB_TCAM_PF_INSERT_FAIL: FIB TCAM prefix insertion fail for [chars]

Explanation The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization below threshold.

Recommended Action No action is required.

Message FIB-SLOT#-4-FIB_TCAM_RESOURCE_EXCEP_CLRD: FIB TCAM resource usage exception cleared for [chars] [chars]

Explanation The TCAM device in the L3 forwarding ASIC is within system limits.

Recommended Action No action is required.

Message FIB-SLOT#-4-FIB_TCAM_RESOURCE_WARNING: FIB TCAM usage is at 90 percent for [chars]

Explanation The TCAM device in the L3 forwarding ASIC is reaching its system limits.

Recommended Action No action is required.

Message FIB-SLOT#-4-WARN: [chars]

Explanation Fib encountered a possible error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FIB-SLOT#-6

Message FIB-SLOT#-6-FIB_INFO: [chars]

Explanation Information that a corrective action was taken by FIB

Recommended Action Message is informational only

FICON Messages

This section contains the FICON messages.

FICON-2

Message   FICON-2-E_DUPLICATE_PN_BRINGUP_FAIL: [chars]

Explanation   This port has the same port number assigned to other port in the same FICON VSAN. No more than one port with duplicate port number can be up in each FICON VSAN

Recommended Action   Avoid duplicate number assignment in each FICON VSAN

Message   FICON-2-E_PN_PA_NOT_IN_BOUND: [chars]

Explanation   Port number or port address in startup-configure is out of bound.

Recommended Action   Change ficon port number assign configuration and save to startup-configure.

Message   FICON-2-E_SAVE_FILE: [chars]

Explanation   Failed to save file. Possibly due to asymmetric pdcm matrix. Look for ret_val for actual reason.

Recommended Action   Configure port prohibits in symmetrically.

Message   FICON-2-SHUTDOWN: FICON Manager process shutting down: [chars]

Explanation   FICON Manager shutting down

Recommended Action   This is a severe error. Provide the reason given in the message.

FICON-3

Message   FICON-3-E_ASSIGN_BINDING_PN_FAIL: [chars]

Explanation   Port number has fcip or port channel binding can not be removed nor changed.

Recommended Action   Remove port number binding of the logical interface first.

Message   FICON-3-E_ASSIGN_INVALID_PN_PARAM: [chars]

Explanation   Invalid port number parameters in command.

Recommended Action   Check port numbers in the command.\n

Message   FICON-3-E_ASSIGN_OVERLAP_PN_FAIL: [chars]

Explanation   Port number assigned to physical and logical can not overlap.

Recommended Action   Check port numbers in the command.\n

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message   FICON-3-E_ASSIGN_PN_NOT_DOWN_FAIL: [chars]

Explanation   Only port number assigned to a port in down state can be removed or changed.

Recommended Action   Bring down the port first.\n

Message   FICON-3-E_ASSIGN_PROHIBIT_PN_FAIL: [chars]

Explanation   Logical port address can not be prohibited.

Recommended Action   Check port numbers in the command.\n

Message   FICON-3-E_DUPLICATE_PN_ASSIGN_WARNING: [chars]

Explanation   This port has the same port number assigned to other port in the same FICON VSAN. No more than one port should have the same port number in each FICON VSAN

Recommended Action   Avoid duplicate number assignment in each FICON VSAN

Message   FICON-3-E_INVALID_PA_BRINGUP_FAIL: [chars]

Explanation   This port either has an invalid port address assigned or has no port address assigned.

Recommended Action   Assign a valid ficon port number to the port.\n

Message   FICON-3-E_PORT_PROHIBIT_BRINGUP_FAIL: [chars]

Explanation   This port has been prohibited. Prohibiting E or TE ports is not allowed. This port can not be configured in E mode or TE mode until the prohibit mask configuration is changed

Recommended Action   Correct the prohibit mask (PDCM) for this port if you wish to bring it up as an E or TE port in a FICON VSAN

Message   FICON-3-E_UNASSIGN_NO_PN_FAIL: [chars]

Explanation   Only port number already assigned can be removed.

Recommended Action   Check port numbers in the command.

Message   FICON-3-PDCM_CHANGE_REJ_E_PORT: [chars]

Explanation   The FICON Prohibit Dynamic Connectivity Mask(PDCM) change rejected because an E or TE port is being prohibited. Prohibiting an E or TE port in not allowed.

Recommended Action   Correct the prohibit mask (PDCM) for this port if you wish to bring the port up as an E or TE port in a FICON VSAN.

FICON-5

Message   FICON-5-STARTING: FICON Manager process starting

Explanation   FICON Manager process is being started

Recommended Action   No action is required.

FICON-6

Message   FICON-6-PDCM_CHANGE: VSAN [dec] port-address [dec] prohibit mask set to [chars]

Explanation   The FICON Prohibit Dynamic Connectivity Mask (PDCM) for this port has changed. VSAN [dec], port address [dec] prohibit mask (PDCM) is now set to [chars]

Recommended Action   No action is required.

Message   FICON-6-PORT_SWAP: port number [dec] [dec] swapped

Explanation   FICON port numbers swapped

Recommended Action   No action is required.

Message   FICON-6-VSAN_DISABLED: FICON disabled on VSAN [dec]

Explanation   FICON has been disabled on the given VSAN

Recommended Action   No action is required.

Message   FICON-6-VSAN_ENABLED: FICON enabled on VSAN [dec]

Explanation   FICON has been enabled on the given VSAN

Recommended Action   No action is required.

FIPSM Messages

This section contains the FIPSM messages.

FIPSM-5

Message `FIPSM-5-SPLITTER_DISABLED: SPLITTER Disabled`

Explanation   SPLITTER Service Disabled

Recommended Action   No action is required.

Message   `FIPSM-5-SPLITTER_ENABLED: SPLITTER Enabled`

Explanation   SPLITTER Service enabled

Recommended Action   No action is required.

FIPS Messages

This section contains the FIPS messages.

FIPS-0

Message `FIPS-0-FIPS_POST_CLEANUP_FAILED: Error cleaning up keys in FIPS mode: [chars]`

Explanation   FIPS cleanup failed [chars]

Recommended Action   No action is required.

Message   `FIPS-0-SET_FIPS_MODE_FAILED: Error when setting FIPS mode: [chars]`

Explanation   FIPS mode failed [chars]

Recommended Action   No action is required.

FIPS-6

Message   `FIPS-6-SET_FIPS_MODE: FIPS mode is [chars] for service [chars]`

Explanation   FIPS mode is changed [chars] [chars]

Recommended Action   No action is required.

FLN_EM Messages

This section contains the FLN_EM messages.

FLN_EM-6

Message FLN_EM-6-FLN_EM_DEBUG_MSG: [chars]

Explanation Debug log message

Recommended Action No action is required.

FLN_FCP Messages

This section contains the FLN_FCP messages.

FLN_FCP-6

Message FLN_FCP-6-FLN_FCP_DEBUG_MSG: [chars]

Explanation Debug log message

Recommended Action No action is required.

FLN_FCP-SLOT#-2

Message FLN_FCP-SLOT#-2-FLN_FIB_TCAM_RESOURCE_EXHAUSTION: FIB TCAM exhausted for [chars] on instance [dec]

Explanation The TCAM device in the L3 forwarding ASIC has reached its system limits.

Recommended Action No action is required.

FLN_FCP-SLOT#-3

Message FLN_FCP-SLOT#-3-FLN_FIB_URPF_RESOURCE_EXHAUSTION: uRPF memory exhausted - Failed to add uRPF interface(s) on instance [dec]

Explanation The URPF memory in the L3 forwarding ASIC has reached its system limits.

Recommended Action No action is required.

FLN_FCP-SLOT#-4

Message `FLN_FCP-SLOT#-4-FLN_FIB_ADJ_EXHAUSTED: Adjacency allocation failed on instance [dec]`

Explanation   Failed to allocate an adjacency. Adjacency memory could have been exhausted

Recommended Action   No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_LSMET_EXHAUSTED: ls-met entry allocation from [chars] failed on instance [dec]`

Explanation   Failed to allocate a ls-met entry. LS-MET table region for this entry could have been exhausted

Recommended Action   No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_MCASTMET_EXHAUSTED: Met entry allocation from [chars] failed on instance [dec]`

Explanation   Failed to allocate a multicast met entry. Met table region for this entry could have been exhausted

Recommended Action   No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_MCAST_OIFLIST_INSERT_FAIL: oiflist insertion failed [chars]`

Explanation   L3 oiflist insertion failed because Max supported l3 oiflist size is 4k

Recommended Action   No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_MDT_EXHAUSTED: mdt entry allocation from [chars] failed on instance [dec]`

Explanation   Failed to allocate a MDT entry. MDT table region for this entry could have been exhausted

Recommended Action   No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_TCAM_AF_INSERT_FAIL: FIB TCAM prefix insertion failed for [chars] on instance [dec]`

Explanation   The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization above threshold.

Recommended Action   No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_TCAM_PF_INSERT_FAIL: FIB TCAM prefix insertion failed for [chars] on instance [dec]`

Explanation The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization below threshold.

Recommended Action No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_TCAM_RESOURCE_EXCEP_CLRD: FIB TCAM resource usage exception cleared for [chars] on instance [dec]`

Explanation The TCAM device in the L3 forwarding ASIC is within system limits.

Recommended Action No action is required.

Message `FLN_FCP-SLOT#-4-FLN_FIB_TCAM_RESOURCE_WARNING: FIB TCAM usage is at [dec] percent for [chars] on instance [dec]`

Explanation The TCAM device in the L3 forwarding ASIC is reaching its system limits.

Recommended Action No action is required.

FLN_FWD_USD Messages

This section contains the FLN_FWD_USD messages.

FLN_FWD_USD-2

Message `FLN_FWD_USD-2-CRIT_MSG: [chars]`

Explanation Critical log message

Recommended Action No action is required.

FLN_FWD_USD-6

Message `FLN_FWD_USD-6-FLN_FWD_DEBUG_MSG: [chars]`

Explanation Debug log message

Recommended Action No action is required.

FLN_L3 Messages

This section contains the FLN_L3 messages.

FLN_L3-6

Message   FLN_L3-6-FLN_L3_DEBUG_MSG: [chars]

Explanation   Debug log message

Recommended Action   No action is required.

FLN_QUE Messages

This section contains the FLN_QUE messages.

FLN_QUE-6

Message   FLN_QUE-6-FLN_QUE_DEBUG_MSG: [chars]

Explanation   Debug log message

Recommended Action   No action is required.

FLN_XBAR Messages

This section contains the FLN_XBAR messages.

FLN_XBAR-2

Message   FLN_XBAR-2-FLN_XBAR_FR_CRC: [chars]

Explanation   Flanker received packets with CRC error from fabric

Recommended Action   No action is required.

FLN_XBAR-6

Message   FLN_XBAR-6-FLN_XBAR_DEBUG_MSG: [chars]

Explanation   Debug log message

Recommended Action   No action is required.

FLOGI Messages

This section contains the FLOGI messages.

FLOGI-1

Message FLOGI-1-MSG_FDISC_REJECT_TOO_MANY_LOGINS: [VSAN [dec], Interface [chars]] FDISC rejected - this interface has reached the max num of N-Ports ([dec])

Explanation   An FDISC was rejected because the F-Port has reached the maximum allowed number of devices.

Recommended Action   Check the configuration of the NPIV device connected to the port.

Message FLOGI-1-MSG_FLOGI_REJECT_TOO_MANY_LOGINS: [VSAN [dec], Interface [chars]] FLOGI rejected - this interface has reached the max num of NL-Ports ([dec])

Explanation   An FLOGI was rejected because the FL-Port has reached the maximum allowed number of devices.

Recommended Action   Reduce the number of devices on the loop.

Message   FLOGI-1-MSG_NPIV_NOT_SUPPORTED_WITH_TRUNKING: [VSAN [dec], Interface [chars]] NPIV not supported - on this platform, NPIV is not supported on trunking interfaces

Explanation   The N_Port requested NPIV, but this platform does not support NPIV on trunking F_Ports.

Recommended Action   Disable NPIV, or move the N_Port to a switch that supports NPIV on trunking F_Ports

FLOGI-2

Message   FLOGI-2-MSG_FLOGI_REJECT_NO_ACL_TCAM_AVAILABLE: [VSAN [dec], Interface [chars]] FLOGI rejected - ACLTCAM resource exhausted

Explanation   An FLOGI was rejected because the ACLTCAM hardware resource is completely used.

Recommended Action   Reduce the number of nodes.

Message   FLOGI-2-INTERFACE_LOGIN_LIMIT: Total number of flogis <> on the interface fc2/25 has reached/exceeded the limit

Explanation   The number of FLOGI logins on an interface has reached or exceeded the specified limit.

Recommended Action   Reduce or redirect the FLOGIs.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message FLOGI-2-MODULE_LOGIN_LIMIT: Total number of flogis < > in module 1 has reached/exceeded the limit

Explanation   The number of FLOGI logins on a director-class module has reached or exceeded the specified limit.

Recommended Action   Reduce or redirect the FLOGIs.

Message FLOGI-2-SWITCH_LOGIN_LIMIT: Total number of flogis < >on the switch has reached/exceeded the limit

Explanation   The number of FLOGI logins on a switch has reached or exceeded the specified limit.

Recommended Action   Reduce or redirect the FLOGIs.

FLOGI-4

Message FLOGI-4-MSG_VF_FLOGI_FROM_NON_CISCO_OUI: [VSAN [dec], Interface [chars]] FLOGI with VF bit set from OUI [hex]:[hex]:[hex] (nwwn: [chars])

Explanation   This interface received an FLOGI with VF bit set from a non CISCO OUI; in this release Virtual Fabrics are not supported on interfaces connected to third-party devices

Recommended Action   Set the trunk mode of this interface to off

FLOGI-5

Message FLOGI-5-MSG_FLOGI_DROP_DUE_TO_SUSPENDED_VSAN: [VSAN [dec], Interface [chars]] FLOGI (pwwn: [chars]) has been dropped because the VSAN is suspended on this trunking interface

Explanation   The switch received an FLOGI from a trunking interface on a VSAN which has been suspended; the FLOGI frame has been dropped.

Recommended Action   To bring up the VSAN again on the trunking port, remove it from the allowed VSAN list and add it again

Message FLOGI-5-MSG_FLOGI_DUPLICATE_WWPN: [VSAN [dec], Interface [chars]] FLOGI (pwwn: [chars]) has been dropped because the host has a duplicate WWPN

Explanation   The switch received an FLOGI from the interface, which has a duplicate PWWN value.

Recommended Action   No action is required.

Message `FLOGI-5-MSG_IF_REINIT_ALPA_CONFLICT: [VSAN [dec], Interface [chars]] FL/TL interface [chars] re-initialized as ALPA - PWWN map conflict occurred.`

Explanation   The FL/TL interface is re-initialized as ALPA used by device conflicts with an existing FLOGI session after the Loop Initialization Protocol (LIP). All the devices will re-login with new ALPA and PWWN mapping

Recommended Action   No action is required.

Message `FLOGI-5-MSG_PORT_LOGGED_IN: [VSAN [dec], Interface [chars]] Nx Port [chars] with FCID [chars] logged IN.`

Explanation   Nx port logged in with the specified information.

Recommended Action   No action is required.

Message `FLOGI-5-MSG_PORT_LOGGED_OUT: [VSAN [dec], Interface [chars]] Nx Port [chars] logged OUT.`

Explanation   Nx port logged out. The following commands will help determine why this Nx port logged out: 'show interface, show VSAN, show module'

Recommended Action   No action is required.

FLOGI_REJECTED_DUPLICATE_PWWN_IN_FABRIC

Message `FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because name server detected duplicate PWWN in the fabric`

Explanation   The switch received an FLOGI/FDISC which has a PWWN value that is already logged in the fabric.

Recommended Action   Run the **show fcns database detail vsan vsan_id** command to determine where the device is already logged into the fabric. Retry the FLOGI/FDISC after the device logs out of the fabric.

FLOGI_REJECTED_DUE_TO_SERVICE_TIMEOUT

Message `FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because [chars] service failed to respond to the request`

Explanation   The switch received an FLOGI/FDISC which could not be processed in time because system was busy.

Recommended Action   Retry the FLOGI/FDISC after the system load has reduced.

FLOGI_REJECTED_DUPLICATE_PWWN_ON_SWITCH

Message FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because it is already logged in to this switch on [chars]

Explanation The switch received an FLOGI/FDISC from a device which had already logged in to this switch on a different interface.

Recommended Action The device is implicitly logged out and the FLOGI_IMPLICIT_DEVICE_LOGOUT syslog message is generated. If the device retries to log in, the FLOGI/FDISC should succeed.

FLOGI_IMPLICIT_DEVICE_LOGOUT

Message FLOGI/FDISC from PWWN [chars] has been logged out from [chars] because it tried to login on [chars]

Explanation The switch implicitly logged out a device because it tried to login on a different interface without logging out first.

Recommended Action Retry the FLOGI/FDISC. This syslog message is generated along with the FLOGI_REJECTED_DUPLICATE_PWWN_ON_SWITCH syslog message.

FLOGI_ON_FPORT_CHANNEL_MEMBER

Message FLOGI from PWWN [chars] has been dropped because it was received on F[chars] member [chars]

Explanation The FLOGI request has been dropped because it was received on an fport-channel member interface when the f-port channel is already up. Only one FLOGI is allowed on an f-port channel from the first member.

Recommended Action Remove the member from the port-channel on the local switch or add the member to the port-channel on the remote switch.

FS-DAEMON Messages

This section contains the FS-DAEMON messages.

FS-DAEMON-2

Message `FS-DAEMON-2-FSD_ENOSPC_BOOTFLASH: Due to insufficient space, [chars] image could not be copied to standby bootflash. [chars] image is not present on standby. Please copy \[chars]\'manually.'`

Explanation Move system images from RAM to bootflash to free up some memory

Recommended Action Please remove some unnecessary files on bootflash using delete command and copy images from active supervisor or from remote location.

FS-DAEMON-6

Message `FS-DAEMON-6-FSD_ENOSPC_LOGFLASH: System logflash usage has reached [dec]%. You may delete some old files on logflash to free up space`

Explanation System logflash space is almost full

Recommended Action Use 'clear core archived' or 'delete' CLI to free up space on logflash.

Message `FS-DAEMON-6-FSD_ENOSPC_ROOT: System root usage has reached [dec]%. You may delete some old files from root or /var/log to free up space`

Explanation System root space is almost full

Recommended Action Use 'clear core archived' or 'delete' CLI to free up space on root dir or /var/log

Message `FS-DAEMON-6-FSD_ENOSPC_TMP: System temporary directory usage has reached [dec]%.`

Explanation System /tmp space usage.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message `FS-DAEMON-6-FSD_REEXPORT_NFS: Re-exported NFS mounts`

Explanation Exported NFS mounts are not visible in kernel and had to be reexported

Recommended Action Please use 'show system internal flash' to make sure there are no Stale NFS handles'

FSCM Messages

This section contains the FSCM messages.

FSCM-2

Message   `FSCM-2-FABRIC_START_CFG_MGR_PROGRAM_EXIT: Fabric Start Cfg Mgr daemon exiting: [chars]`

Explanation   FABRIC_START_CFG_MGR daemon is exiting.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FSPF Messages

This section contains the FSPF messages.

FSPF-2

Message   `FSPF-2-SHUTDOWN: Routing daemon shutting down: [chars]`

Explanation   FSPF routing daemon is shutting down because of [chars] reason.

Recommended Action   This is a severe bug. Provide the reason provided and the log files for FSPF.

FSPF-2

Message   `FSPF-3-BAD_FC2_PKT: Received bad FC2 packet on interface [chars] : [chars]`

Explanation   FSPF received a bad FC2 packet on [chars] interface, error description is [chars].

Recommended Action   FSPF daemon has received a bad FC frame. Provide the output of 'debug fc2 pkt '.

Message   `FSPF-3-CHECKSUM_FAIL: Checksum test failed for LSR domain [dec]`

Explanation   Periodic database checksum test failed for LSR for domain [dec]

Recommended Action   This indicates that the internal database got corrupted because of some memory corruption bug. Provide output of 'show fspf database'. May need to power cycle the switch

Message   `FSPF-3-FC2_PROC_ERR: Error in processing [chars] packet on interface [chars], Error = [chars]`

Explanation   An error occurred in processing a [chars] FC2 packet on [chars] interface. The internal error code is [chars].

Recommended Action   Turn on 'debug fspf error' to get more information. Make sure there is no misconfiguration of FSPF parameters on the two ends of the interface. Provide output of 'show fspf vsan x' 'show fspf vsan x interface' and 'debug fspf fc pkt ' for the specific interface

Message   FSPF-3-FLOOD_ERR: Error in flooding the local LSR, Error = [chars]

Explanation   FSPF had an error in flooding the local LSR, error description is [chars].

Recommended Action   Provide output of 'debug fspf flood', 'debug fspf error'. If error is reported in transmitting packet check if interface is up and turn on 'debug fc2 error'

Message   FSPF-3-HELLO_MISMATCH: Mismatch in [chars] in the Hello packet on interface [chars]

Explanation   There is a mismatch in the [chars] entry in the hello packet received on interface [chars]. The packet will be dropped.

Recommended Action   Check the configuration of hello or dead interval on the switches on the two ends of the interface to see if there is a mismatch.

Message   FSPF-3-INTF_TIMER_ERR: Error in processing interface timer event [chars] for interface [chars], error = [chars]

Explanation   FSPF had an error in processing timer event for interface chars, error is [chars].

Recommended Action   Provide output of 'debug fspf error'

Message   FSPF-3-IPC_PROC_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

Explanation   FSPF had an error in processing message of [dec] opcode, the internal error code is [dec].

Recommended Action   Possibly some wrong IPC message is received by FSPF. Provide output of 'debug fspf mts pkt' and 'debug fspf error ' trace.

Message   FSPF-3-LOCK_FAIL: FSPF failure in gaining lock

Explanation   There is a software failure in gaining lock of the shared resource between FSPF threads.

Recommended Action   Provide output of 'debug fspf all '

Message   FSPF-3-MTS_MSG_BEFORE_GSYNC: FSPF in standby received MTS message opcode = [hex] before GSYNC

Explanation   FSPF in standby received an MTS message of opcode [dec] before receiving the GSYNC message.

Recommended Action   Provide output of 'debug fspf mts pkt '

Message   FSPF-3-RIB_ERR: Error in RIB: [chars]

Explanation   FSPF had an error in interacting with RIB, error description is [chars].

Recommended Action   Check if rib application is running using 'show processes'. Provide output of 'debug fspf route' and RIB debug traces.

Message   FSPF-3-ROUTE_COMPUTE_ERR: Error in computing or sending routes: Error = [chars]

Explanation   FSPF had an error in computing routes, error description is [chars].

Recommended Action   Provide the error code and output of 'debug fspf error' and 'debug fspf route' if problem is reproducible

Message   FSPF-3-UNLOCK_FAIL: FSPF failure in releasing lock

Explanation   There is a software failure in releasing lock of the shared resource between FSPF threads.

Recommended Action   Provide output of 'debug fspf all '

Message   FSPF-3-VSAN_TIMER_ERR: Error in processing VSAN timer event [chars], error description = [chars]

Explanation   FSPF had an internal error in processing timer event, error description is [chars].

Recommended Action   Provide output of 'debug fspf error'

FSPF-4

Message   FSPF-4-FC2_DOWN_INTF: Received FC2 packet on DOWN interface [chars]

Explanation   FSPF received a FC2 packet on inactive interface [chars].

Recommended Action   This message may be printed for the first FSPF packet when an interface is brought up. If the message is seen continuously check if FSPF is disabled on one end for the interface or the VSAN. Otherwise check 'show interface ' output to see if interface is physically up only on one side. Also check if there is any Message printed for IPC_PROC_ERR

Message   FSPF-4-FC2_DOWN_VSAN: Received FC2 packet on inactive vsan

Explanation   FSPF received a FC2 packet on inactive vsan.

Recommended Action   If message seen continuously check if FSPF is disabled on the VSAN Investigate if VSAN is active and valid domain has been assigned on the switch Also check if IPC_PROC_ERR message is printed in the syslog

Message   FSPF-4-ILLEGAL_FSM_EVENT: Illegal FSM event for state [chars] in interface [chars]

Explanation   An illegal protocol event has occurred for the FSPF state machine. The old state was [chars] for the interface [chars].

Recommended Action   It is possible to get this message if some protocol packet gets dropped but the it should recover and move back to FULL state. Do 'show fspf interface' to check the state of the interface. If it is stuck in state other than FULL provide output of 'debug fspf event' and 'debug fspf fc pkt ' for the interfaces involved.

Message   FSPF-4-LSR_DROPPED: [chars], Dropping LSR [dec] received on interface [chars]

Explanation   A LSR packet is dropped due to [chars] reason. LSR belonged to domain [dec] and was received on interface [chars].

Recommended Action   Provide the reason given for dropping the LSR and output of 'debug fspf fc pkt' If the reason is checksum failure investigate possible packet corruption or truncation

Message   FSPF-4-LSR_MIN_LS_ARRIVAL: Packet arrived before MIN_LS_ARRIVAL, Dropping LSR [dec] on interface [chars]

Explanation   A LSR packet is dropped as it arrived before MIN_LS_ARRIVAL. LSR belonged to domain [dec] and was received on interface [chars].

Recommended Action   This can occur in transient situation and protocol recovers by retransmitting the LSR. If the message is seen continuously provide output of 'debug fspf flood ', 'debug fspf retrans' and 'debug fspf error '. The message may be seen more often when inter operating with other vendors

Message   FSPF-4-LSU_RX_INIT: Dropping LSU received in state INIT on interface [chars]

Explanation   A LSU packet is dropped as interface [char] is in INIT state when it received the LSU.

Recommended Action   This can occur in some transient situation. If the problem persists provide output of 'show fspf vsan x interface' and 'debug fspf fc pkt ' and 'debug fspf event vsan x'

FSPF-5

Message   FSPF-5-STARTING: Routing daemon started

Explanation   FSPF routing daemon has been started.

Recommended Action   No action is required.

FSPF-6

Message   FSPF-6-ADD_LSR: New LSR added for domain [dec]

Explanation   A new LSR is added to the database for domain [dec].

Recommended Action   No action is required.

Message   FSPF-6-DELETE_LSR: LSR deleted for domain [dec]

Explanation   The LSR for domain [dec] is deleted from the database.

Recommended Action   No action is required.

Message   FSPF-6-INTF_OPER_DOWN: Down on interface [chars]

Explanation   FSPF has become operationally down on interface [chars].

Recommended Action   No action is required.

Message   FSPF-6-INTF_OPER_UP: Up on interface [chars]

Explanation   FSPF has become operational on interface [chars].

Recommended Action   No action is required.

Message   FSPF-6-MAX_AGE: LSR [dec] reached Maxage

Explanation   The LSR for domain [dec] reached the maximum age and will be deleted from all the connected switches.

Recommended Action   No action is required.

Message   FSPF-6-ROLLOVER: Rolling over the incarnation number of Local LSR

Explanation   The incarnation number of local LSR reached the maximum value and is rolling over.

Recommended Action   No action is required.

Message   FSPF-6-SELF_ORIGINATED: Received local LSR with higher incarnation number

Explanation   A LSR for the local domain was received with incarnation number higher than the one in database. This situation should only occur initially on a topology change. If this situation persists the domain assignment of switches may not be unique

Recommended Action   If this message is received continuously check if domain assignment is unique in the fabric.

Message   FSPF-6-STATE_CREATED: Internal state created [chars]

Explanation   FSPF has created its internal state stateless/stateful [chars].

Recommended Action   No action is required.

Message   FSPF-6-VSAN_OPER_DOWN: Down on vsan

Explanation   FSPF has become operationally down on VSAN.

Recommended Action   No action is required.

Message   FSPF-6-VSAN_OPER_UP: Up with local domain [dec]

Explanation   FSPF has started with local domain [dec].

Recommended Action   No action is required.

FSPF-7

Message   FSPF-7-ROUTE_THREAD_STARTED: Thread number [dec] started

Explanation   Route computation thread number [dec] has been started for FSPF.

Recommended Action   No action is required.

FVP Messages

This section contains the FVP messages.

FVP-2

Message   FVP-2-GENERAL_ERROR: [chars]

Explanation   The FVP Manager has encountered an critical error. The description of error is [str.]

Recommended Action   No action is required.

Message   FVP-2-MALLOC_ERROR: Size [dec] bytes

Explanation   The FVP Manager could not allocate memory.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   FVP-2-PSS_BKP_PSS_MISMATCH: Block [dec]: PSS: Not Free; BKPLN PROM: Free

Explanation   This FVP Manager detected a discrepancy between the information on the chassis and that in its persistent information databases. The persistent information database has been updated with the information on the chassis.

Recommended Action   No action is required.

Message   FVP-2-PSS_ERROR: [chars]

Explanation   The FVP Manager encountered error while operating on a persistent storage database.

Recommended Action   No action is required.

FVP-3

Message   FVP-3-FVPD_PSS_CORRUPTED: [chars] PSS found corrupted

Explanation   The FVP Manager has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action   No action is required.

Message   FVP-3-PSS_SYNC_TO_STNDBY_FAILED: PSS TYPE=[chars] KEY=[chars]

Explanation   Could not send PSS Sync. notification to Standby Supervisor. PSS Type=[str.] Operation=[.str] Key=[Str.]

Recommended Action   No action is required.

Message   FVP-3-RELEASE_ERR_FREE: Already free FVP [chars]

Explanation   A client of FVP Manager attempted to remove a FVP [char] which is not present. This information is for debugging only.

Recommended Action   No action is required.

Message   FVP-3-RELEASE_ERR_UNKNOWN: Unknown FVP [chars]

Explanation   FVP Manager received a request to release a FVP [char] that could not have been allocated by this FVP Manager.

Recommended Action   No action is required.

Message   FVP-3-RELEASE_ERR: Cant Rel. FVP [chars]

Explanation   FVP Manager received a request to remove a FVP that cannot be removed.

Recommended Action   No action is required.

Message   FVP-3-TOOMANY_REQ_REL: FVPs [chars] = [dec]

Explanation   The FVP Manager received a request to allocate [dec] more than the maximum number of FVPs that can be allocated/released in a single request.

Recommended Action   No action is required.

Message   FVP-3-UNKNOWN_MSG: Recvd. from Node=[dec] SAP=[dec] Opcode=[dec]

Explanation   The FVP Manager has received an unknown message from [dec]].[dec] with opcod [dec]. This information is for debugging only.

Recommended Action   No action is required.

FVP-4

Message   FVP-4-EXITING: Exited due to [chars]

Explanation   The FVP Manager process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action   No action is required.

Message   FVP-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]

Explanation   There was a version mismatch between the FVP Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action   No action is required.

FVP-6

Message   FVP-6-BECAME_ACTIVE: Became ACTIVE from standby mode

Explanation   The FVP Manager on the standby supervisor became active and it is ready to serve client requests for FVPs.

Recommended Action   No action is required.

Message   FVP-6-BECAME_STDBY: Became STANDBY from active mode

Explanation   The FVP Manager became standby from active mode.

Recommended Action   No action is required.

Message   FVP-6-CREATED_FV_PORT: ifIndex: [dec]

Explanation   The FVP Manager has created a new fv port with ifIndex= [dec].

Recommended Action   No action is required.

Message   FVP-6-EXCESSIVE_DELAY: [chars]

Explanation   Excessive time taken for a processing event. The description of the event is [str.]

Recommended Action   No action is required.

Message   FVP-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

Explanation   The FVP Manager was unable to send heartbeat to the system manger

Recommended Action   No action is required.

Message   FVP-6-GENERAL_EVENT: [chars]

Explanation   The FVP Manager has generated an important event. The description of the event is [str.]

Recommended Action   No action is required.

Message   FVP-6-PSS_CREATED: [chars] PSS Created

Explanation   One of the persistent information database OS FVP Manager has been recreated

Recommended Action   No action is required.

Message   FVP-6-PSS_DESTROYED: [chars] PSS Destroyed

Explanation   One of the persistent information databases has been intentionally destroyed and would be recreated.

Recommended Action   No action is required.

Message   FVP-6-REMOVED_FV_PORT: IfIndex: [dec]

Explanation   The FVP Manager has removed an FV port with ifIndex= [dec].

Recommended Action   No action is required.

Message FVP-6-SERVICE_UP: Initialized [chars]

Explanation The FVP Manager is up and ready to accept client requests for FVPs. The service was initialized in [char] mode.

Recommended Action No action is required.

Message FVP-6-SWITCHOVER: Switching Over to other Sup.

Explanation The FVP Manager has successfully switched over to the standby supervisor card.

Recommended Action No action is required.

FW_APP Messages

This section contains the FW_APP messages.

FW_APP-2

Message FW_APP-2-FIRMWARE_IMAGE_LOAD_ERROR: Firmware extraction and load error: [chars]

Explanation Firmware extraction error

Recommended Action Please examine show system internal firmware boot-log"

Message FW_APP-2-PROC_INITFAIL: Process initialization failed due to [chars].

Explanation FW_APP process has failed initialization.

Recommended Action Please examine show system internal firmware event-history errors"

FW_APP-6

Message FW_APP-6-FIRMWARE_IMAGE_LOAD_SUCCESS: [chars]

Explanation Firmware extraction success

Recommended Action No action is required.

Recommended Action

GLBP Messages

This section contains the GLBP messages.

GLBP-2

Message   GLBP-2-GLBP_URIB_INIT_ERROR: [chars]

Explanation   Unicast routing initialization failed and the GLBP process terminated

Recommended Action   Please check syslog messages for URIB failures and rectify the problem

GLBP-3

Message   GLBP-3-GLBP_ARP_ADD_FAILED: failed to add [chars]/[chars] in arp table

Explanation   The system was unable to add the GLBP vIP into the ARP table

Recommended Action   Please check syslog messages for ARP failures and rectify the problem

Message   GLBP-3-GLBP_ARP_DEL_FAILED: failed to delete [chars]/[chars] in arp table

Explanation   The system was unable to delete the GLBP vIP from the arp table

Recommended Action   Please check syslog messages for ARP failures and rectify the problem

Message   GLBP-3-GLBP_FEATURE_MANAGER_ERROR: [chars]: [chars]

Explanation   There was a problem in GLBP interaction with feature manager.

Recommended Action   Please check the reason for error using feature manager and rectify the problem

Message   GLBP-3-GLBP_IP_JOIN_GROUP_FAILED: [chars]: failed to join glbp multicast address group

Explanation   The system was unable to perform a join to start receiving GLBP protocol packets.

Recommended Action   Please check syslog messages for IP failures and rectify the problem

Message   GLBP-3-GLBP_IP_LEAVE_GROUP_FAILED: [chars]: failed to leave glbp multicast address group

Explanation   The system was unable to perform a leave to stop receiving GLBP protocol packets.

Recommended Action   Please check syslog messages for IP failures and rectify the problem

Message `GLBP-3-GLBP_MAC_ADD_FAILED: fwd [dec] failed to add [chars] in mac table (error [hex])`

Explanation The system was unable to add the GLBP mac address into the mac address table

Recommended Action Please check syslog messages for L2FM failures and rectify the problem

Message `GLBP-3-GLBP_MAC_DEL_FAILED: fwd [dec] failed to delete [chars] in mac table (error [hex])`

Explanation The system was unable to delete the GLBP mac address from the mac address table

Recommended Action Please check syslog messages for L2FM failures and rectify the problem

Message `GLBP-3-GLBP_ROUTE_ADD_FAILED: failed to add [chars] in routing table`

Explanation The system was unable to add the GLBP vIP address into the unicast routing table

Recommended Action Please check syslog messages for URIB failures and rectify the problem

Message `GLBP-3-GLBP_ROUTE_DEL_FAILED: failed to delete [chars] in routing table`

Explanation The system was unable to delete the GLBP vIP address from the unicast routing table

Recommended Action Please check syslog messages for URIB failures and rectify the problem

GLBP-4

Message `GLBP-4-BADAUTH: Bad authentication received from [chars]`

Explanation Two routers participating in a Gateway Load Balancing Protocol group have a valid authentication string that does not match.

Recommended Action Use the GLBP authentication interface command to repair the Gateway Load Balancing Protocol authentication discrepancy between the local system and the one whose IP address is reported

Message `GLBP-4-BADVIP1: address [chars] is in the wrong subnet for this interface`

Explanation The Gateway Load Balancing Protocol virtual IP address is not within the subnet configured on this interface.

Recommended Action Configure the virtual IP address of Gateway Load Balancing Protocol to be within the subnet configured on this interface.

Message   GLBP-4-BADVIP2: address [chars] in the wrong subnet for this interface is not learned

   Explanation   The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is not within the subnet configured on this interface.

   Recommended Action   Check the configuration on all Gateway Load Balancing Protocol routers.

Message   GLBP-4-BADVIP3: address [chars] is the broadcast address for this interface

   Explanation   The Gateway Load Balancing Protocol virtual IP address is a broadcast address for this interface.

   Recommended Action   Configure the virtual IP address of Gateway Load Balancing Protocol to be a non broadcast address.

Message   GLBP-4-DIFFVIP1: active router virtual IP address [chars] is different from the locally configured virtual IP address [chars]

   Explanation   The Gateway Load Balancing Protocol virtual IP address contained in the Hello message from the Active router is different to that configured locally.

   Recommended Action   Check the configuration on all Gateway Load Balancing Protocol routers

Message   GLBP-4-DUPADDR: Duplicate address on [chars]

   Explanation   The IP address in a Gateway Load Balancing Protocol message received on the interface is the same as the IP address of its own router. This condition may be caused by a misconfiguration or because of a malfunctioning switch.

   Recommended Action   Check the configurations on all the Gateway Load Balancing Protocol routers, and ensure that any switches are functioning properly

Message   GLBP-4-DUPVIP1: address [chars] already assigned to interface [chars] grp [dec]

   Explanation   The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to a different Gateway Load Balancing Protocol group.

   Recommended Action   Check the configuration on all Gateway Load Balancing Protocol routers

Message   GLBP-4-DUPVIP2: address [chars] already assigned to this interface

   Explanation   The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to this interface.

   Recommended Action   Check the configuration on all Gateway Load Balancing Protocol routers.

Message `GLBP-4-DUPVIP3: address [chars] already assigned to another interface [chars]`

Explanation The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Check the configuration on all Gateway Load Balancing Protocol routers.

Message `GLBP-4-GLBP_ARP_RESP_FAILED: failed to send arp response [chars]/[chars]`

Explanation The system was unable to send the ARP response for vIP

Recommended Action Please check syslog messages for ARP failures and rectify the problem

GLBP-5

Message `GLBP-5-ACTIVE_CHANGE: Active gateway is [chars]`

Explanation The Gateway Load Balancing Protocol has changed active gateway.

Recommended Action No action is required

Message `GLBP-5-FWDSTATECHANGE: fwd [dec] state changed from [chars] to [chars]`

Explanation The Gateway Load Balancing Protocol forwarder has changed state.

Recommended Action No action is required

Message `GLBP-5-FWD_CREATE: fwd [dec] created`

Explanation The Gateway Load Balancing Protocol forwarder has been created.

Recommended Action No action is required

Message `GLBP-5-FWD_DELETE: fwd [dec] deleted`

Explanation The Gateway Load Balancing Protocol forwarder has been removed.

Recommended Action No action is required

Message `GLBP-5-FWD_OWNER: fwd [dec] owner mac is [chars]`

Explanation The Gateway Load Balancing Protocol forwarder has changed the owner MAC address.

Recommended Action No action is required

Message   GLBP-5-FWD_VMAC: fwd [dec] virtual mac is [chars]

Explanation   The Gateway Load Balancing Protocol forwarder has changed the virtual MAC address.

Recommended Action   No action is required

Message   GLBP-5-FWD_WEIGHTING: fwd [dec] weighting is [dec]

Explanation   The Gateway Load Balancing Protocol forwarder has changed the weighting.

Recommended Action   No action is required

Message   GLBP-5-GRPSTATECHANGE: state changed from [chars] to [chars]

Explanation   The Gateway Load Balancing Protocol gateway has changed state.

Recommended Action   No action is required

Message   GLBP-5-MEMBER_ADD: member [chars] [chars] added

Explanation   The Gateway Load Balancing Protocol gateway has added a member.

Recommended Action   No action is required

Message   GLBP-5-MEMBER_REMOVE: member [chars] [chars] removed

Explanation   The Gateway Load Balancing Protocol gateway has removed a member.

Recommended Action   No action is required

Message   GLBP-5-PRIORITY: [chars] gateway priority changed to [dec]

Explanation   The Gateway Load Balancing Protocol gateway has changed priority.

Recommended Action   No action is required

Message   GLBP-5-STANDBY_CHANGE: Standby gateway is [chars]

Explanation   The Gateway Load Balancing Protocol has changed standby gateway.

Recommended Action   No action is required

Message   GLBP-5-TIMER: [chars] timer changed to [chars]

Explanation   The Gateway Load Balancing Protocol gateway has learnt timers.

Recommended Action   No action is required

Message   GLBP-5-VIPLEARN: learnt virtual ip address [chars]

Explanation   The Gateway Load Balancing Protocol gateway has learnt virtual IP address.

Recommended Action   No action is required

Message   GLBP-5-VIPUNLEARN: unlearnt virtual ip address [chars]

Explanation   The Gateway Load Balancing Protocol gateway has unlearnt virtual IP address.

Recommended Action   No action is required

Message   GLBP-5-WEIGHTING: weighting changed to [dec]

Explanation   The Gateway Load Balancing Protocol gateway has changed the weighting.

Recommended Action   No action is required

HSRP_ENGINE Messages

This section contains the HSRP_ENGINE messages.

HSRP_ENGINE-3

Message   HSRP_ENGINE-3-BFD_GLOBAL_SESSION_REMOVAL_ERROR: Failed to remove all the HSRP-BFD sessions ([hex] [hex]), Refer logs

Explanation   Refer logs for more details

Recommended Action   No action is required.

Message   HSRP_ENGINE-3-BFD_IF_SESSION_REMOVAL_ERROR: Failed to remove few HSRP-BFD sessions ([hex] [hex]), Refer logs

Explanation   Refer logs for more details.

Recommended Action   No action is required.

Message   HSRP_ENGINE-3-BFD_SESSION_ADD_ERROR: Failed to add few HSRP-BFD sessions ([hex] [hex]), Refer logs

Explanation   Refer logs for more details.

Recommended Action   No action is required.

Message   HSRP_ENGINE-3-BFD_SESSION_CREATION_ERROR: Failed to create BFD session information ([hex] [hex]), Refer logs

Explanation   Refer logs for more details.

Recommended Action   No action is required.

Message   HSRP_ENGINE-3-BFD_SESSION_REMOVAL_ERROR: Failed to remove few HSRP-BFD sessions ([hex] [hex]), Refer logs

Explanation   Refer logs for more details.

Recommended Action   No action is required.

Message   HSRP_ENGINE-3-ERROR_IN_ADD_VIP_TO_U6RIB: Failed to Add VIP [chars] to U6RIB (errno [hex]), Refer logs

Explanation   Refer logs for more details.

Recommended Action   No action is required.

Message   HSRP_ENGINE-3-ERROR_IN_DEL_VIP_FROM_U6RIB: Failed to delete VIP [chars] from U6RIB (errno [hex]), Refer logs

Explanation   Refer logs for more details.

Recommended Action   No action is required.

Message   HSRP_ENGINE-3-NOSOCKET: Unable to open socket

Explanation   The system was unable to initialize an IP connection for the Hot Standby protocol.

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

HSRP_ENGINE-4

Message   HSRP_ENGINE-4-BADAUTH2: Bad authentication from [chars]

Explanation   Two routers participating in HSRP disagree on the valid authentication string.

Recommended Action   Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

Message   HSRP_ENGINE-4-BADAUTH: Bad authentication from [chars], group [dec],
remote state [chars]

Explanation   Two routers participating in HSRP disagree on the valid authentication string.

Recommended Action   Use the HSRP authentication command to repair the HSRP authentication
discrepancy between the local system and the one whose IP address is reported.

Message   HSRP_ENGINE-4-DIFFVIP1: [chars] Grp [dec] active routers virtual IP
address [chars] is different to the locally configured address [chars]

Explanation   The HSRP virtual IP address contained in the Hello message from the Active router is
different to that configured locally.

Recommended Action   Check the configuration on all HSRP routers.

Message   HSRP_ENGINE-4-DUPADDR: Duplicate address %i on [chars], sourced by %e

Explanation   The IP address in an HSRP message received on the interface is the same as the routers
own IP address. This may be because of misconfiguration, or because of a malfunctioning switch'

Recommended Action   Check the configurations on all the HSRP routers, and make sure that any
switches you have are functioning properly.

Message   HSRP_ENGINE-4-DUPVIP1: [chars] Grp [dec] address [chars] is already
assigned to a HSRP group on this interface

Explanation   The HSRP virtual IP address contained in the Hello message cannot be learnt as it is
already assigned to a different HSRP group.

Recommended Action   Check the configuration on all HSRP routers.

Message   HSRP_ENGINE-4-DUPVIP2: [chars] Grp [dec] address [chars] is already
assigned on this interface

Explanation   The HSRP virtual IP address contained in the Hello message cannot be learnt as it is
already assigned to this interface.

Recommended Action   Check the configuration on all HSRP routers.

Message   HSRP_ENGINE-4-DUPVIP3: [chars] Grp [dec] address [chars] is already
assigned to, or overlaps with, an address on another interface or application

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

Recommended Action   Check the configuration on all HSRP routers.

HSRP_ENGINE-5

Message HSRP_ENGINE-5-ACTIVEROUTERPRIORITY: Interface [chars] [chars] Grp [dec] Active router priority changed to [dec]

Explanation The priority of the Active router for the group has changed.

Recommended Action No action is required.

Message HSRP_ENGINE-5-ACTIVE_CHANGE: Interface [chars] [chars] Grp [dec] Active router is [chars]

Explanation The Active router for the group has changed.

Recommended Action No action is required.

Message HSRP_ENGINE-5-AUTOCONFIG_VIPLEARN: Interface [chars] grp [dec] learnt autoconfig virtual ip address [chars]

Explanation The local router has generate virtual ip address

Recommended Action No action is required.

Message HSRP_ENGINE-5-GRPSTATECHANGE: Interface [chars] [chars] Grp [dec] state changed from [chars] to [chars] reason [chars]

Explanation The HSRP router has changed state

Recommended Action No action is required.

Message HSRP_ENGINE-5-MACADDRESS_CHANGE: Interface [chars] [chars] Grp [dec] mac-address changed to [chars]

Explanation The mac address of the group has changed.

Recommended Action No action is required.

Message HSRP_ENGINE-5-PRIORITY: Interface [chars] [chars] Grp [dec] priority changed to [dec]

Explanation The current priority of the HSRP group has changed.

Recommended Action No action is required.

Message HSRP_ENGINE-5-STANDBYROUTERPRIORITYCHANGE: Interface [chars] [chars] Grp [dec] Standby router priority changed to [dec]

Explanation The priority of the Standby router for the group has changed.

Recommended Action No action is required.

Message HSRP_ENGINE-5-STANDBY_CHANGE: Interface [chars] [chars] Grp [dec] Standby router is [chars]

Explanation The Standby router for the group has changed.

Recommended Action No action is required.

Message HSRP_ENGINE-5-TIMER: Interface [chars] [chars] Grp [dec] [chars] timer changed to [dec] [chars]

Explanation The hello/hold timer value for the HSRP group has changed

Recommended Action No action is required.

Message HSRP_ENGINE-5-VIPLEARN: Interface [chars] [chars] Grp [dec] learnt virtual ip address [chars]

Explanation The local router has learnt virtual ip address from the incoming HSRP packet.

Recommended Action No action is required.

HSRP_ENGINE-6

Message HSRP_ENGINE-6-STATECHANGE2: [chars] [chars] Grp [dec] state moving from [chars]

Explanation The router has changed state

Recommended Action No action is required.

Message HSRP_ENGINE-6-STATECHANGE: [chars] [chars] Grp [dec] state move to [chars]

Explanation The router has changed state

Recommended Action No action is required.

IDEHSD Messages

This section contains the IDEHSD messages.

IDEHSD-1

Message IDEHSD-1-MANUAL_FORMAT: logflash needs to be formatted

Explanation Logflash is not accessible; use format logflash: to format it

Recommended Action No action is required.

IDEHSD-2

Message IDEHSD-2-AUTO_FORMAT: logflash auto-format [chars]

Explanation Logflash auto-format event

Recommended Action No action is required.

Message IDEHSD-2-DISK_BUSY_FAILED: Cannot unmount [chars],

Explanation The specified disk interface is in use. It can not be unmounted, The user may experience file system corruption

Recommended Action Make sure slot0 is not being used either by mounting or by any command and re-insert the disk again

Message IDEHSD-2-DISK_FSCK_FAIL: file system check returned error on slot [dec]

Explanation Flash file system may be corrupted, the flash was taken while it was being accessed

Recommended Action Reform at the external flash

Message IDEHSD-2-DISK_MOUNT_FAIL: disk mount unsuccessful on [chars]

Explanation Unknown flash filesystem or not cleanly unmounted.

Recommended Action Use vfat flash only and make sure external slot is not being accessed then re-insert flash

Message IDEHSD-2-DISK_RESCAN_FAIL: disk rescan unsuccessful on [chars]

Explanation Flash filesystem was not cleanly unmounted

Recommended Action Make sure external slot is not being accessed and re-inset the flash

Message IDEHSD-2-DISK_UMOUNT_FAIL: disk umount unsuccessful for [chars]

Explanation   Flash filesystem is busy the system could not unmount it

Recommended Action   Make sure external slot is not being accessed and re-inset the flash

Message IDEHSD-2-FORK: fork failed ([chars] process)

Explanation   The flash daemon failed to fork

Recommended Action   No action is required.

Message IDEHSD-2-INTERNAL_ERROR: Internal Error [dec]

Explanation   The flash daemon interface returns error

Recommended Action   Restart the IDEHSD deamon

Message IDEHSD-2-MOUNT: [chars] online

Explanation   Flash daemon mounting slot

Recommended Action   No action is required.

Message IDEHSD-2-UMOUNT: [chars] offline

Explanation   Flash daemon un-mounting slot

Recommended Action   No action is required.

Message IDEHSD-2-USB_SWAP: USB insertion or removal detected

Explanation   USB swap event

Recommended Action   No action is required.

IDEHSD-3

Message IDEHSD-3-DEVICEOPEN_FAILED: device open failed. Component [chars]

Explanation   The flash daemon device open failed The failure is due to the sub-component [chars]

Recommended Action   No action is required.

IDEHSD-5

Message   IDEHSD-5-DISK_SWAP: [chars] [chars]

Explanation   Compact flash swap event

Recommended Action   No action is required.

IDEHSD-6

Message   IDEHSD-6-DISK_BUSY: trying to unmount disk [chars]

Explanation   Flash daemon trying to unmount busy slot

Recommended Action   No action is required.

Message   IDEHSD-6-DISK_EVENT: slot [dec] [chars]

Explanation   Flash daemon found a disk hot swap handler event

Recommended Action   No action is required.

Message   IDEHSD-6-IDEHSD_INFO: [chars]

Explanation   Flash daemon informational message

Recommended Action   No action is required.

Message   IDEHSD-6-IOCTL: ioctl: [chars] returns [dec]

Explanation   Flash daemon trying to unmount busy slot

Recommended Action   No action is required.

Message   IDEHSD-6-STARTING: deamon started

Explanation   The compact flash swap daemon successfully started

Recommended Action   No action is required.

IDEHSD-7

Message   IDEHSD-7-IDEHSD_TRACE: [chars]() [chars]: [dec] disk= [dec]

Explanation   Flash daemon debug message to trace code path

Recommended Action   No action is required.

IFTMC Messages

This section contains the IFTMC messages.

IFTMC-SLOT#-1

Message   IFTMC-SLOT#-1-IFTMC_GENERIC_ERROR: [chars]

Explanation   [chars]

Recommended Action   No action is required.

IFTMC-SLOT#-2

Message   IFTMC-SLOT#-2-ELTMC_INTERFACE_INTERNAL_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm

Explanation   IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

Recommended Action   No action is required.

Message   IFTMC-SLOT#-2-ELTMC_INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support eltm

Explanation   IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

Recommended Action   No action is required.

Message   IFTMC-SLOT#-2-ELTMC_INTF_NOT_FOUND: Interface [chars] not found in IFTMC database [chars]

Explanation   IFTMC database doesn't have the interface.

Recommended Action   No action is required.

Message IFTMC-SLOT#-2-ELTMC_INTF_NOT_SUPP: Interface [chars] not supported by
IFTMC [chars]

Explanation IFTMC does not support the interface for the specified operation

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_INTF_TO_LTL: Failed to get LTL for interface [chars]
return status [chars]

Explanation IFTMC Failed to get LTL for interface. Packets received on this interface might not be
handled correctly by the forwarding engine

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_INTF_TO_SLOT: Failed to get slot for interface
[chars] return status [chars]

Explanation IFTMC Failed to get Slot for interface. Port-channels and L2 Learning might be
effected

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_INVALID_FTAG_NUM: IFTMC received INVALID Number of
FTAGs in the message. [chars]

Explanation IFTMC Failed: Received INVALID Ftags

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_INTF: Failed to allocate L2 LIF
entries in forwarding engine for interface [chars]

Explanation IFTMC Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2
and Layer 3 forwarding for the interface

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_VDC: Failed to allocate L2 LIF
entries in forwarding engine

Explanation IFTMC Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2
and Layer 3 forwarding in this VDC

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_L3_INGRESS_LIF_ALLOC_FAIL_INTF: Failed to allocate
L3 Ingress LIF entries in forwarding engine for interface [chars]

Explanation IFTMC Failed to allocate L3 Ingress LIF entries in forwarding engine. This will effect Layer 3 forwarding for the interface

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_RSVD_VLAN: Failed to get the reserved vlans. Failed
with error [chars]

Explanation IFTMC Failed to get the reserved vlans. This will effect multicast forwarding on SVI interfaces.

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_VLAN_INTERNAL_ERROR: Internal error: VLAN
[dec]:[chars], collect output of show tech-support eltm

Explanation IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

Recommended Action No action is required.

Message IFTMC-SLOT#-2-IFTMC_BD_NULL_WARN: IFTMC BD is zero: [chars]

Explanation IFTMC BD is zero, SVI create before vlan create

Recommended Action No action is required.

Message IFTMC-SLOT#-2-IFTMC_FCOE_FEATURE_REQ_FAIL: FCOE feature request for
interface [chars] cannot be processed

Explanation FCOE feature request cannot be processed with ILM sharing, failure status does not get returned to calling app. Possible ACLQOS verify/commit fail prior to this feature request.

Recommended Action No action is required.

Message IFTMC-SLOT#-2-IFTMC_FTAG_PROG_FAIL: Failed to program ftag list as it
exceeds the platform limit [dec]

Explanation IFTM Failed to apply ftag list on an interface

Recommended Action No action is required.

Message IFTMC-SLOT#-2-IFTMC_PVLAN_XLT_FAIL: Failed to apply translation table
[chars]

Explanation IFTM Failed to apply vlan translation table on an interface

Recommended Action No action is required.

Message   IFTMC-SLOT#-2-IFTMC_RES_ALLOC_FAIL: IFTMC resource allocation failure: [chars]

Explanation   IFTMC failed resource allocation

Recommended Action   No action is required.

Message   IFTMC-SLOT#-2-IFTMC_RES_ALLOC_WARN: IFTMC resource allocation warning: [chars]

Explanation   IFTMC resource usage has exceeded a preset threshold

Recommended Action   No action is required.

Message   IFTMC-SLOT#-2-IFTMC_RSVD_VLAN: FEX_RESERVED_VLAN_ERR: [chars]

Explanation   VLAN_MGR SDB call returned FAILURE for FEX

No action is required.

IKE Messages

This section contains the IKE messages.

IKE-3

Message   IKE-3-CRYPTO_INIT_ERROR: IKEv2 crypto init error: [chars]

Explanation   Crypto initialization error

Recommended Action   No action is required.

Message   IKE-3-ENABLE_ERROR: Unable to store enable flag in configuration (error-id [hex]).

Explanation   Service failed to store the enable flag in configuration. As a result, it will exit

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IKE-3-FIPS_MODE_ERROR: Could not set FIPS mode

Explanation   The FIPS mode could not be set by IKE

Recommended Action   No action is required.

Message   IKE-3-IKE_PROGRAM_EXIT: [chars]

Explanation   IKE process did an abnormal exit

Recommended Action   No action is required.

Message   IKE-3-MAX_HALF_CONN_LIMIT_REACHED: IKEv1: Exceeded the limit for number of half open Phase 1 connections

Explanation   The number of half open connections has exceeded the maximum limit

Recommended Action   No action is required.

Message   IKE-3-PHASE1_NEGOTIATION_FAILED: IKEv1: Phase 1 negotiation failed for peer [chars]

Explanation   IKE policy negotiation failed for peer [chars].

Recommended Action   No action is required.

Message   IKE-3-PHASE1_PROPOSAL_MISMATCH: IKEv1: No matching phase 1 proposal found for peer [chars]

Explanation   There is a IKE policy mismatch for the peer.

Recommended Action   No action is required.

Message   IKE-3-PHASE2_NEGOTIATION_FAILED: IKEv1: Phase 2 negotiation failed for peer [chars]

Explanation   IPsec policy negotiation failed for peer [chars].

Recommended Action   No action is required.

Message   IKE-3-PHASE2_PROPOSAL_MISMATCH: IKEv1: No matching phase 2 proposal found for peer [chars]

Explanation   There is a IPsec policy mismatch for the peer.

Recommended Action   No action is required.

Message   IKE-3-UNSUPPORTED_EXCHANGE: IKEv1: Unsupported exchange [dec] received from [chars]

Explanation   A unsupported IKE exchange type [digits] was received from [chars]

Recommended Action   No action is required.

IKE-4

Message   IKE-4-INVALID_PAYLOAD_APPEAR: IKEv2 received message (from [chars]) with payload ([chars]) appeared in [chars]([chars])

Explanation   Received a payload in an inappropriate exchange

Recommended Action   No action is required.

Message   IKE-4-MESSAGE_ERROR: IKEv2 message (from [chars]) message error: [chars]

Explanation   Received a malformed message which does not adhere to the protocol

Recommended Action   No action is required.

Message   IKE-4-PARSING_ERROR: IKEv2 message (from [chars]) parsing error: [chars]

Explanation   Received a malformed message which can not be parsed appropriately

Recommended Action   No action is required.

Message   IKE-4-UNKNOWN_PAYLOAD: IKEv2 received message (from [chars]) with un-recognized payload ([chars])

Explanation   Received an invalid payload

Recommended Action   No action is required.

Message   IKE-4-UNSUPPORT: [chars] is not supported (message from [chars])

Explanation   Received something unsupported

Recommended Action   No action is required.

IKE-6

Message   IKE-6-POLL_START_DONE: IKE is exiting since it is not enabled

Explanation   IKE is exiting since it is not enabled in the configuration

Recommended Action   No action is required.

ILC-SPAN Messages

This section contains the ILC-SPAN messages.

ILC-SPAN-3

Message   `ILC-SPAN-3-ERROR: [chars]`

Explanation   Ilc_span_mgr encountered an error

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

ILC_HELPER Messages

This section contains the ILC-HELPER messages.

ILC_HELPER-2

Message   `ILC_HELPER-2-NO_LICENSE_REBOOT: Linecard [dec] will reboot now.`

Explanation   SSE License has expired, hence the linecard will be rebooted.

Recommended Action   Install appropriate SSE license to be able to use SSM features normally

ILC_HELPER-3

Message   `ILC_HELPER-3-INVALID_SSI: [chars]`

Explanation   The ssi boot variable is configured to an invalid image. So, the linecard will be bought online in basic mode instead of advanced SSI mode

Recommended Action   Configure a proper image for the ssi boot variable

ILC_HELPER-6

Message   `ILC_HELPER-6-LICENSE_VALID: A valid license for linecard [dec] has been obtained`

Explanation   A valid license has been obtained for the SSM

Recommended Action   No action is required.

Message   `ILC_HELPER-6-UPGRADE_DELAY: The SSI upgrade on slot [dec] is delayed by [dec] secs.`

Explanation   The SSI upgrade is delayed due to the configured SSM upgrade delay command

Recommended Action   No action is required.

IMAGE_DNLD Messages

This section contains the IMAGE_DNLD messages.

IMAGE_DNLD-SLOT#-2

Message `IMAGE_DNLD-SLOT#-2-ADDON_IMG_DNLD_FAILED: Module image download process failed. [chars]`

Explanation Addon image download to module failed. This module is not operational until an addon image has been successfully installed.

Recommended Action Verify the location and version of your module image. Use the install module cli command to download a new module image.

Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_COMPLETE: Module image download process. [chars]`

Explanation Image download completed. Module image is being installed.

Recommended Action No action is required.

Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_FAILED: Module image download process. [chars]`

Explanation Image download failed. Module may be inoperable.

Recommended Action Use show module cli command to verify the state of this module. Retry image download with install module cli command.

Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_FILE_SYSTEM_CHECK_ERROR: File System check failed: [chars]`

Explanation File system consistency check failed

Recommended Action File-system repair is needed using fsck

Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_STARTED: Module image download process. [chars]`

Explanation Image download started. Module image downloads are non-disruptive to module operation.

Recommended Action No action is required.

IMAGE_DNLD-SLOT#-4

Message `IMAGE_DNLD-SLOT#-4-IMG_DNLD_FILE_SYSTEM_RECREATION: [chars]. Partition was erased and successfully recreated.`

Explanation File system checking and recreation if necessary for /images.

Recommended Action No action is required.

IMAGE_DNLD-SLOT#-5

Message `IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_COMPLETE: Addon module image download process completed. [chars]`

Explanation Addon image download to module has completed.The module should now be installing this new image.

Recommended Action This message is informational only.

Message `IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_STARTED: Addon module image download process started. [chars]`

Explanation Addon image download to module has started. This is a disruptive download and this module will be inoperable until this download process is complete.

Recommended Action This message is informational only.

Message `IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_SUCCESSFUL: Addon module image download and install process successful. [chars]`

Explanation Addon image download and install to module is successful.

Recommended Action Use the show module cli command to verify the modules operational status.

IMAGE_UPGRADE Messages

This section contains the IMAGE_UPGRADE messages.

IMAGE_UPGRADE-SLOT#-2

Message `IMAGE_UPGRADE-SLOT#-2-IMAGE_UPGRADE_ERROR: [chars]`

Explanation Image Upgrade Error

Recommended Action No action is required.

IMAGE_UPGRADE-SLOT#-4

Message   `IMAGE_UPGRADE-SLOT#-4-IMAGE_UPGRADE_INFO: [chars]`

Explanation   Image Upgrade Info

Recommended Action   No action is required.

IM Messages

This section contains the IM messages.

IM-1

Message   `IM-1-IM_STDBY_MGMT_STATE: Warning: Standby supervisor mgmt0 link is down. Proceeding with the install will cause the standby supervisor to become active. This will result in loss of out of band management access to the switch.`

Explanation   Standby supervisor mgmt0 link is down. Proceeding with the install will cause the standby supervisor to become active. This will result in loss of out of band management access to the switch. The **show interface mgmt0 standby** command can be used from the active supervisor to display the standby supervisor's mgmt0 interface status.

Recommended Action   Please fix the Standby supervisor mgmt0 link.

Message   `IM-1-IM_STDBY_MGMT_STATE_SSO: System switchover not allowed when standby supervisor mgmt0 link is down. Use the bypass-standby-mgmt0 parameter to bypass this check and perform switchover to standby supervisor.`

Explanation   System switchover not allowed when standby supervisor mgmt0 link is down. Use the bypass-standby-mgmt0 parameter to bypass this check and perform switchover to standby supervisor. This will result in a loss of out of band management access to the switch until the mgmt0 port on the newly active supervisor is brought up. The **show interface mgmt0 standby** command can be used from the active supervisor to display the standby supervisor's mgmt0 interface status.

Recommended Action   Please fix the Standby supervisor mgmt0 link or use the **system switchover bypass-standby-mgmt0** command.

IM-3

Message   `IM-3-IM_IF_FEATURE_BIND_FAILURE: Interface feature bind failed [chars]`

Explanation   Interface feature bind failed, so applications in that feature set may not behave correctly.

Recommended Action   No action is required.

Message   IM-3-IM_LC_OFFLINE_ERROR: LC Offline could not be sent to vdc:[dec]

Explanation   LC Offline was not relayed to some VDC, so applications may not behave correctly.

Recommended Action   No action is required.

Message   IM-3-IM_RESP_ERROR: Component [chars] opcode:[chars] in vdc:[dec] returned error:[chars]

Explanation   Some component returned an error.

Recommended Action   No action is required.

Message   IM-3-IM_SEQ_ERROR: Error ([chars]) while communicating with component [chars] opcode:[chars] (for:[chars])

Explanation   Some component did not respond to a request in stipulated time.

Recommended Action   No action is required.

IM-5

Message   IM-5-IM_DEMUX_ERROR: [chars]

Explanation   Demux function returned error

Recommended Action   No action is required.

Message   IM-5-IM_INTERNAL_ERROR: [chars]

Explanation   Internal error occurred

Recommended Action   No action is required.

Message   IM-5-IM_INTF_STATE: [chars] [chars] in vdc [dec]

Explanation   Management interface state changed.

Recommended Action   No action is required.

Message   IM-5-IM_UNKNOWN_INTERFACE: [chars]

Explanation   Interface is not supported or not found

Recommended Action   No action is required.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

INSTALLER Messages

This section contains the INSTALLER messages.

INSTALLER-1

Message `INSTALLER-1-UPGRADE_EXCEEDED_DOWNTIME: Switch control plane down more than 80 seconds.`

Explanation This message indicates that control plane was down for more than 80 seconds.

Recommended Action No action is required.

INSTALLER-5

Message `INSTALLER-5-UPGRADE_ABORTED: System upgrade aborted.`

Explanation This message indicates that system wide upgrade has aborted.

Recommended Action No action is required.

Message `INSTALLER-5-UPGRADE_COMPLETED: System upgrade completed.`

Explanation This message indicates system wide upgrade has completed.

Recommended Action No action is required.

Message `INSTALLER-5-UPGRADE_INITIATED: System upgrade initiated.`

Explanation System wide upgrade has been initiated by the user.

Recommended Action No action is required.

Message `INSTALLER-5-UPGRADE_STOPPED: System upgrade stopped.`

Explanation This message indicates that system wide upgrade has been stopped by the user.

Recommended Action No action is required.

INTERFACE_VLAN Messages

This section contains the INTERFACE_VLAN messages.

INTERFACE_VLAN-4

Message INTERFACE_VLAN-4-SVI_IF_CONFIG_DELETED_NOTIF_DELAYED_DROPPED: Interface VLAN Delete Notification Not Processed on Time by SAP [dec] ([chars])

Explanation   This SAP took long time in processing Interface VLAN delete notification and caused timeout

Recommended Action   No action is required.

Message INTERFACE_VLAN-4-SVI_IF_CONFIG_REMOVED_NOTIF_DELAYED_DROPPED: Interface VLAN Remove Notification Not Processed on Time by SAP [dec] ([chars])

Explanation   This SAP took long time in processing Interface VLAN remove notification and caused timeout

Recommended Action   No action is required.

Message INTERFACE_VLAN-4-SVI_VLAN_DOES_NOT_EXIST: Vlan [dec] does not exist

Explanation   Vlan not created before assignment

Recommended Action   Interface-vlan

Message   INTERFACE_VLAN-4-SVI_WARN_SVI_UP_IN_NON_ROUTABLE_VDC: Interface VLAN [dec] is being kept up in non-routable VDC. Reason: management configuration enabled. Please disable all the routing protocols

Explanation   Keeping Interface VLAN up in non-routable VDC may cause potential traffic black hole

Recommended Action   No action is required.

INTERFACE_VLAN-5

Message   INTERFACE_VLAN-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively Down)

Explanation   Interface has been configured to be administratively down

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-IF_DOWN_ERROR_DISABLED: Interface [chars] is down. Reason [dec]

Explanation   The interface encountered an error while configuring it

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

Explanation   Interface VLAN has been suspended or deleted

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_DISABLED: SVI Disabled

Explanation   SVI Service Disabled

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_ENABLED: SVI Enabled

Explanation   SVI Service Enabled

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_GET_MAC_FAILED: Failed to acquire MAC address for
SVI [hex]

Explanation   SVI failed to acquire MAC address

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_INIT: SVI initialization failed with error [hex]

Explanation   SVI initialization error

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_IOD_RELEASE_ERROR_RESPONSE: IM failed to release SVI
IOD error [hex]

Explanation   IM failed to release SVI IOD

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_MTS_SEND_FAILURE: MTS send failure for opcode [dec],
error [hex]

Explanation   SVI encountered an error in with MTS message

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_MTS_TIME_OUT: MTS send timed out

Explanation   SVI did not receive response for mts message

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_RSRVD_VLAN_FAILED: Failed to get list of reserved vlans [hex]

Explanation   SVI failed to get the list reserved vlans

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_SDB_UPDATE_FAILED: sdb update failed with ret_val [dec]

Explanation   SDB updated failed for SVI

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-SVI_SEC_VLAN_FAILED: Failed to get list of secondary vlans [hex]

Explanation   SVI failed to get the list of secondary vlans

Recommended Action   No action is required.

Message   INTERFACE_VLAN-5-UPDOWN: Line Protocol on Interface [chars], changed state to [chars]

Explanation   Line protocol status changed for an interface

Recommended Action   No action is required.

IOA_LC Messages

This section contains the IOA_LC messages.

IOA_LC-5

Message   IOA_LC-5-IOA_DISABLED: IOA Disabled

Explanation   IOA Service Disabled

Recommended Action   No action is required.

Message   IOA_LC-5-IOA_ENABLED: IOA Enabled

Explanation   IOA Service enabled

Recommended Action   No action is required.

IPACL Messages

This section contains the IPACL messages.

IPACL-0

Message   IPACL-0-EMERG: [chars]

Explanation   Ipacl caused a system failure

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPACL-1

Message   IPACL-1-ALERT: [chars]

Explanation   Ipacl caused failures in other services

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPACL-2

Message   IPACL-2-CRIT: [chars]

Explanation   Ipacl encountered a catastrophic error

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPACL-3

Message   IPACL-3-ERR: [chars]

Explanation   Ipacl encountered an error

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPACL-4

Message   `IPACL-4-WARN: [chars]`

Explanation   Ipacl warning message

Recommended Action   No action is required.

IPACL-5

Message   `IPACL-5-NOTE: [chars]`

Explanation   Ipacl does not support this operation

Recommended Action   No action is required.

IPACL-6

Message   `IPACL-6-INFO: [chars]`

Explanation   Ipacl event occurred

Recommended Action   No action is required.

IPFC Messages

This section contains the IPFC messages.

IPFC-2

Message   `IPFC-2-ALLOC_MEMORY: Memory allocation failed`

Explanation   The service failed to allocate a block of dynamic memory.

Recommended Action   No action is required.

IPFC-3

Message   `IPFC-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation   The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action   Show processes to check the status of the other processes, debug the specified component.

Message   IPFC-3-IOCTL_FAILED: IOCTL failed

Explanation   An IOCTL to the character device failed.

Recommended Action   Show IPFC internal interface VSAN <number

Message   IPFC-3-PSSERROR: [chars]

Explanation   IPFC manager encountered a PSS error.

Recommended Action   No action is required.

IPFC-5

Message   IPFC-5-CONFIG_EVENT: VSAN interface [dec] [chars]

Explanation   The specified VSAN Interface has been successfully [chars].

Recommended Action   No action is required.

Message   IPFC-5-STATE_CHANGE: VSAN interface [dec] [chars]

Explanation   The specified VSAN Interface is [chars].

Recommended Action   No action is required.

IPFC-6

Message   IPFC-6-STARTING: IP Over Fiber Channel service started

Explanation   The service has successfully started.

Recommended Action   No action is required.

IPQOSMGR Messages

This section contains the IPQOSMGR messages.

IPQOSMGR-2

Message   IPQOSMGR-2-QOSMGR_DCBXP_PFC_CMP_FAIL_MSG: [chars] - qos config [chars] not compatible with the peer

Explanation   Port_id [chars] has qos config [chars] which is incompatible with the peer.

Recommended Action   No action is required.

Message   IPQOSMGR-2-QOSMGR_HA_FAILURE: Failed to do high availability operation: [chars].

Explanation   Failed to do high availability operation. [chars] is the reason.

Recommended Action   No action is required.

Message   IPQOSMGR-2-QOSMGR_INIT_FAILED: Initialization failed for QoS Manager: [chars], reason: [hex].

Explanation   Initialization failed for QoS Manager due to [chars], reason: [hex].

Recommended Action   No action is required.

Message   IPQOSMGR-2-QOSMGR_MTS_FAILURE: Failed to do MTS operation: [chars].

Explanation   Failed to do MTS operation. [chars] is the reason.

Recommended Action   No action is required.

Message   IPQOSMGR-2-QOSMGR_MTS_REGISTRATION_FAILED: MTS options setting to [hex] failed for opCode: [dec].

Explanation   MTS options setting to [hex] failed for opCode: [dec].

Recommended Action   No action is required.

Message   IPQOSMGR-2-QOSMGR_NETWORK_QOS_POLICY_CHANGE: Policy [chars] is now active

Explanation   [chars] is the new active network-qos policy

Recommended Action   No action is required.

Message   IPQOSMGR-2-QOSMGR_PSS_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

Explanation   Failed to do PSS operation [chars]. [hex] is the reason.

Recommended Action   No action is required.

Message   IPQOSMGR-2-QOSMGR_PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].

Explanation   There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

Recommended Action   No action is required.

IPQOSMGR-3

Message   IPQOSMGR-3-QOSMGR_CONFIG_ERROR: Configuration error: [chars].

Explanation   Configuration error. [chars] is the reason.

Recommended Action   No action is required.

Message   IPQOSMGR-3-QOSMGR_NVDC_PFF_ERROR: PPF verify/commit failed in vdc [dec] error: [hex] for global qos command

Explanation   For global qos command, PPF verify/commit failed in vdc [dec] with reason [hex].

Recommended Action   No action is required.

Message   IPQOSMGR-3-QOSMGR_PPF_ERROR: PPF library error: [chars].

Explanation   PPF library errors. [chars] is the reason.

Recommended Action   No action is required.

IPQOSMGR-4

Message   IPQOSMGR-4-QOSMGR_LC_ERROR_MSG: Linecard [dec] returned an error: [chars]

Explanation   Linecard [dec] returned an Message which is reported as [chars].

Recommended Action   No action is required.

Message IPQOSMGR-4-QOSMGR_POLICIES_PRESENT_ON_DELETED_VLANS: Some VLANs (id: [chars]) which are getting deleted now are still having qos service-policy attached. These policies will be effective only when the VLANs get created again.

Explanation   VLAN(s) [chars] is (are) getting deleted now. This is an informational message to notify that QoS service-policies are present when the vlan is deleted. If the service-policies are not needed, please detach them from the vlans

Recommended Action   No action is required.

Message   IPQOSMGR-4-QOSMGR_PPF_WARNING: PPF library warning: [chars].

Explanation   PPF library warning. [chars] is the reason.

Recommended Action   No action is required.

Message   IPQOSMGR-4-QOSMGR_WARNING_MSG: [chars] [dec]

Explanation   QOSMGR warning messages is reported as [chars] [dec].

Recommended Action   No action is required.

IPQOSMGR-6

Message IPQOSMGR-6-QOSMGR_DCBXP_CMP_FAIL_MSG: [chars] - qos config [chars] not compatible with the peer

Explanation   DCBXP warning: Port_id [chars] has qos config [chars] which is incompatible with the peer.

Recommended Action   No action is required.

Message IPQOSMGR-6-QOSMGR_STATUS: QOSMGR Status: [chars].

Explanation   QOSMGR status is reported as [chars].

Recommended Action   No action is required.

IPSEC Messages

This section contains the IPSEC messages.

IPSEC-2

Message   IPSEC-2-IPSEC_INIT: IPSec initialization of [chars] [chars]

Explanation   IPSec initialization failed

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPSEC-2-IPSEC_SPD_OVERFLOW_DUE_TO_ACL: SPD Overflow on interface due to IP ACL [chars] bound to crypto map [chars] [dec]

Explanation   Modifying IP ACL caused Security Policy Database on the interface to overflow, IP ACL filter not applied to security policy database

Recommended Action   Undo IP ACL change

IPSEC-3

Message `IPSEC-3-14_2_MODULE_PACKETS_DROPPED: [chars]: packets were dropped in the module`

Explanation Packets dropped in the 14/2 module. Please collect drop statistics using show ipsec internal crypto-acc interface gigabyte <slot/port

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message `IPSEC-3-IPSEC_FIPS_TEST_FAILED: IPSEC FIPS compliance test failed`

Explanation IPSEC FIPS compliance test failed

Recommended Action No action is required.

Message `IPSEC-3-IPSEC_MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]`

Explanation Failed to send a message

Recommended Action No action is required.

IPSEC-5

Message `IPSEC-5-IPSEC_CMS_IF_ACL_UPDATED: IP ACL [chars] updated while Crypto map [chars] [dec] bound to interface(s)`

Explanation IP ACL updated while it is mapped to a crypto map that is bound to interface(s)

Recommended Action No action is required.

Message `IPSEC-5-IPSEC_DISABLED_LIC_EXPIRED: IPSec Disabled due to License Expiry`

Explanation IPSec Disabled due to License Expiry

Recommended Action No action is required.

Message `IPSEC-5-IPSEC_DISABLED: IPSec Disabled`

Explanation IPSec Disabled

Recommended Action No action is required.

Message   `IPSEC-5-IPSEC_ENABLED: IPSec Enabled`

Explanation   IPSec Enabled

Recommended Action   No action is required.

Message   `IPSEC-5-IPSEC_SA_CREATED: [chars]: IPSec SA created: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] ([hex])`

Explanation   IPSec SA created

Recommended Action   No action is required.

Message   `IPSEC-5-IPSEC_SA_DELETED: [chars]: IPSec SA deleted: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] ([hex]), reason: [chars]`

Explanation   IPSec SA deleted

Recommended Action   No action is required.

Message   `IPSEC-5-IPSEC_SA_REKEYED: [chars]: IPSec SA rekeyed: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] ([hex])`

Explanation   IPSec SA rekeyed

Recommended Action   No action is required.

Message   `IPSEC-5-IPSEC_TUNNEL_CREATED: [chars]: IPSec tunnel created: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], port: [chars], remote: [chars]/[chars], ports: [chars]`

Explanation   IPSec tunnel created

Recommended Action   No action is required.

Message   `IPSEC-5-IPSEC_TUNNEL_DELETED: [chars]: IPSec tunnel deleted: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]`

Explanation   IPSec tunnel deleted

Recommended Action   No action is required.

Message   `IPSEC-5-IPSEC_TUNNEL_REKEYED: [chars]: IPSec tunnel rekeyed: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars] traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]`

Explanation   IPSec tunnel rekeyed

Recommended Action   No action is required.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

IPS_SB_MGR Messages

This section contains the IP_SB_MGR messages.

IPS_SB_MGR-SLOT#-2

Message IPS_SB_MGR-SLOT#-2-NODE_CORE_NOT_RESPONDING: [Node [dec], Core [dec]]:
Not responding to heartbeats, state=[hex]

Explanation   Node is not incrementing heartbeats periodically

Recommended Action   Potential node software issue. Please contact your support representative

Message IPS_SB_MGR-SLOT#-2-NODE_NOT_RESPONDING: [Node [dec], Core [dec]]: Not
responding to heartbeats

Explanation   Node manager is not receiving heartbeat responses from the node

Recommended Action   Potential node software issue. Please contact your support representative

Message IPS_SB_MGR-SLOT#-2-NODE_REIMAGE_PREPARE_FAIL: [Node [dec]]: Disk
formatting failed during node install

Explanation   There was a problem during the partitioning of disk and creation of file systems during
node install.

Recommended Action   Potential node software issue. Please contact your support representative

Message IPS_SB_MGR-SLOT#-2-PORT_SOFTWARE_FAILURE: Port software failure, module
[dec] port [dec]

Explanation   The software servicing the data path on the port has failed

Recommended Action   No action is required.

IPS_SB_MGR-SLOT#-3

Message IPS_SB_MGR-SLOT#-3-COMP_FAILURE: Heartbeat failure in compression engine
(error [hex])

Explanation   The compression engine did not respond to heartbeats, due to some failure. SAN-OS
will restart the compression engine to clear the problem.

Recommended Action   No action is required.

Message   `IPS_SB_MGR-SLOT#-3-CRYPTO_FAILURE: Heartbeat failure in encryption engine (error [hex])`

Explanation   The encryption engine did not respond to heartbeats, due to some failure. SAN-OS will restart the encryption engine to clear the problem.

Recommended Action   No action is required.

Message   `IPS_SB_MGR-SLOT#-3-FIPS_SELF_TEST_FAILURE: [chars] Restarting the octeon...`

Explanation   FIPS self test failed for the algorithm. Restarting the octeon.

Recommended Action   No action is required.

IPS_SB_MGR-SLOT#-4

Message   `IPS_SB_MGR-SLOT#-4-NODE_NOT_COMPAT_WITH_ADD_ON: svc-node[dec] image is not compatible with svclc image`

Explanation   The svc image on the node is not compatible with the add on image running on the linecard.

Recommended Action   Please contact your support representative

Message   `IPS_SB_MGR-SLOT#-4-NODE_NOT_COMPAT_WITH_CURRENT: svc-node[dec] image is not compatible with current node image`

Explanation   The new svc image is not compatible with the svc image currently running on the node

Recommended Action   Please contact your support representative

Message   `IPS_SB_MGR-SLOT#-4-NODE_NOT_COMPAT_WITH_SUP: svc-node[dec] image is not compatible with system image`

Explanation   The svc image on the node is not compatible with the supervisor image.

Recommended Action   Please contact your support representative

IPS_SB_MGR-SLOT#-6

Message   `IPS_SB_MGR-SLOT#-6-SBMGR_EVENT: Sbmgr event: [chars]`

Explanation   This is an event log of sb_mgr relating to a port/node

Recommended Action   No action is required.

IPS Messages

This section contains the IPS messages.

IPS-2

Message `IPS-2-ISCSI_IPS_INIT: IPS initialization of [chars] [chars]`

Explanation   IPS initialization failed

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPS-3

Message `IPS-3-DUP_IPV4_ADDR_DETECTED: duplicate IP address ([chars]) sent from link address ([chars])`

Explanation   Duplicate IPv4 address is configured in the network

Recommended Action   No action is required.

Message `IPS-3-FCIP_FTA_ACCEL_CHAIN_ABORTED: Exch Aborted FC oxid [hex] My oxid [hex] State [chars] Event [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] (Internal [hex]:[hex])`

Explanation   FTA Exch being aborted

Recommended Action   Informational no action required

Message `IPS-3-FCIP_FTA_DATA_SENSE: Sense data with ERA [hex] sent to CH FCID: [hex] CHI: [hex] from FCIP CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]`

Explanation   Sense data with ERA sent

Recommended Action   SYSLOGDOC_CONTACT_TAC

Message `IPS-3-FCIP_FTA_ERA_35: ERA 0x35 presented to CH FCID: [hex] CHI: [hex] from FCIP CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]`

Explanation   FCIP got an ERA 35

Recommended Action   SYSLOGDOC_CONTACT_TAC

Message `IPS-3-FCIP_FTA_ERA_38: ERA 0x38 received CH FCID: [hex] CHI: [hex] from FCIP CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] at tape capacity: [dec] MB`

Explanation   FCIP got an ERA 38

Recommended Action   SYSLOGDOC_CONTACT_TAC

Message   `IPS-3-FCIP_FTA_LOCATE_RBID_MISMATCH: Permanent Error due to Locate RBID Mismatch, CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]`

Explanation   FCIP-FTA got a Permanent Error

Recommended Action   Informational no action required

Message   `IPS-3-FCIP_FTA_PERM_ERR: Permanent Error, ERA [hex] rcvd CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] sense_byte[2,6]: [[hex], [hex]]`

Explanation   FCIP-FTA got a Permanent Error

Recommended Action   Informational no action required

Message   `IPS-3-FCIP_FTA_RETRY_ERROR: [chars] retries [dec] FC oxid [hex] My oxid [hex] State [chars] Event [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]`

Explanation   FTA Command timed out

Recommended Action   Informational no action required

Message `IPS-3-FCIP_LINK_STAT_LOSS_OF_SYNC: [chars]: Loss of Sync ([chars])`

Explanation   FCIP Link Failed with Loss of Sync.

Recommended Action   No action is required.

Message `IPS-3-IPS_CRYPTO_FIPS_FAILED: IPS module [dec] has failed FIPS tests. FIPS info - [chars]`

Explanation   FIPS error occurred in the IPS module.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message `IPS-3-IPS_EGRESS_PERR: Parity error on dma-bridge egress. Count: [dec]`

Explanation   Parity error occurred in dma-bridge egress direction.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message IPS-3-IPS_FIPS_MODE_ERROR: IPS FIPS error: [chars]

Explanation IPS module FIPS mode error

Recommended Action No action is required.

Message IPS-3-IPS_FIPS_TEST_FAILED: IPS FIPS compliance test failed

Explanation IPS FIPS compliance test failed

Recommended Action No action is required.

Message IPS-3-IPS_INGRESS_PERR: Parity error on dma-bridge ingress. Count: [dec]

Explanation Parity error occurred in dma-bridge ingress direction.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message IPS-3-ISLB_CFS_CLEAR_FAILED: [chars]

Explanation An error occurred while clearing the CFS lock. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message IPS-3-ISLB_CFS_COMMIT_FAILED: [chars]; [chars]

Explanation An error occurred while committing the cfs config data. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message IPS-3-ISLB_CFS_CONFIG_FAILED: [chars]; [chars]

Explanation An error occurred while distributing the CFS config data. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message IPS-3-ISLB_CFS_LOCK_FAILED: [chars]

Explanation An error occurred while acquiring the CFS lock. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_MERGE_ACTIVATION_FAILED: [chars]; [chars]

Explanation   An error occurred while activating merged configuration. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_MERGE_CLEARED: [chars]

Explanation   Merge cleared, reason: [chars]

Recommended Action   No action is required.

Message   IPS-3-ISLB_CFS_MERGE_COMMIT_FAILED: [chars]; [chars]

Explanation   An error occurred while committing the cfs merge config data. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_MERGE_CONFIG_FAILED: [chars]; [chars]

Explanation   An error occurred while distributing the CFS merge config data. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_MERGE_FAILED: [chars]; [chars]

Explanation   An error occurred while merging the iSLB CFS fabrics. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_MERGE_PRECOMMIT_FAILED: [chars]; [chars]

Explanation   An error occurred while pre committing merge data. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_MERGE_REQ_REJECTED: [chars]

Explanation   Merge requested rejected, reason: [chars]

Recommended Action   No action is required.

Message   IPS-3-ISLB_CFS_MERGING_CONFIG_DB_FAILED: [chars]; [chars]

Explanation   An error occurred while merging the config data. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_PRECOMMIT_FAILED: [chars]; [chars]

Explanation   An error occurred while pre committing data. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_PWWN_RESV_CLAIM_FAILED: [chars]

Explanation   PWWN reservation claim failed. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_PWWN_RESV_RELEASE_FAILED: [chars]

Explanation   PWWN reservation release failed. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_UNLOCK_FAILED: [chars]

Explanation   An error occurred while releasing the CFS lock. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_CFS_VRRP_DIST_FAILED: [chars]

Explanation   An error occurred while distributing the VRRP CFS runtime data. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_ZONE_ACTIVATION_FAILED: iSLB zoneset activation returned [hex] for VSAN [dec]

Explanation   ISLB zoneset activation failed.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IPS-3-ISLB_ZONE_ACTIVATION_RETRY: iSLB zoneset activation returned [hex] for VSAN [dec]

Explanation   ISLB zoneset activation failed. Zone server busy.

Recommended Action   Retry the iSLB zoneset activation.

Message   IPS-3-ISLB_ZONE_NO_ACTIVE_ZONESET: iSLB zoneset activation returned [hex] for VSAN [dec]

Explanation   ISLB zoneset activation failed. No active zoneset.

Recommended Action   Activate a zoneset in the specified VSAN and retry

Message   IPS-3-RED_PACKET_DROPS: Congestion detected on Gigabit Ethernet port (buffer pool size: [dec])

Explanation   Congestion detected on Gigabit Ethernet port due to RED threshold limit

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPS-4

Message   IPS-4-FCIP_FTA_CFG_MISMATCH: [chars]: Mismatch in FCIP Ficon Tape Acceleration configuration with peer

Explanation   The FCIP Ficon Tape Acceleration configuration does not match with peers configuration'

Recommended Action   Fix the FCIP Ficon Tape Acceleration configuration to be consistent with the peer

Message   IPS-4-FCIP_FTA_VSAN_UPDATE_WARNING: FCIP FICON tape acceleration VSAN update had an error ([chars]) on interface [chars] causing a flap of the interface

Explanation   The FCIP FICON tape acceleration VSAN configuration experienced an error when disabling and enabling the VSAN over the FCIP tunnel. The FCIP tunnel was disabled and re-enabled as a result of this error to ensure data integrity.

Recommended Action   No action is required.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message IPS-4-FCIP_LICENSE_BIND_FAILED: Bind failed for [chars] due to [chars] for license failure; configuration accepted but bind failed

Explanation The FCIP configuration was accepted, but the FCIP interface did not bind to a physical interface because the appropriate license was not available. If a license becomes available in the future, this FCIP interface will bind to a physical interface automatically.

Recommended Action Check the license state with "show license usage" and acquire the necessary FCIP license

Message IPS-4-FCIP_XRCE_LICENSE_FAILED: XRC Acceleration deactivated due to license failure

Explanation The XRC Acceleration configuration was accepted, but will remain inactive until a valid license is available. When the appropriate license is installed, XRC acceleration will be activated.

Recommended Action Check the license state with "show license usage" and acquire the necessary XRC_ACCL license

Message IPS-4-FCIP_XRCE_LICENSE_INSTALLED: XRC Acceleration activated due to valid license

Explanation The XRC Acceleration configuration is activated as a valid license has been installed.

Recommended Action No action is required.

IPS-5

Message IPS-5-FCIP_BIND_FAILED: Bind failed for [chars] due to [chars] for [chars]

Explanation FCIP/ISCSI Interface bind to Ethernet port failed

Recommended Action No action is required.

Message IPS-5-FCIP_BPORT_KEEPALIVES_NOT_SUPPORTED: Bport Keepalives not supported for FCIP [chars]

Explanation Bport Keepalives not supported in this release

Recommended Action Informational no action required

Message IPS-5-FCIP_BPORT_NOT_SUPPORTED: Bport not supported for FCIP [chars]

Explanation Bport not supported in this release

Recommended Action Informational no action required

Message   IPS-5-FCIP_FTA_ALREADY_OFF: FTA Already Off, [chars] VSAN: [dec]

Explanation   FTA Already Off

Recommended Action   Informational no action required

Message   IPS-5-FCIP_FTA_ALREADY_ON: FTA Already ON, [chars] VSAN: [dec]

Explanation   FTA Already ON

Recommended Action   Informational no action required

Message   IPS-5-FCIP_FTA_CB_DOWN: FTA [chars] is DOWN

Explanation   FTA is DOWN

Recommended Action   Informational no action required

Message   IPS-5-FCIP_FTA_CB_UP: FTA [chars], is UP

Explanation   FTA is UP

Recommended Action   Informational no action required

Message   IPS-5-FCIP_FTA_DISBAND_GRP_CMD: Disband Group message processed PGID: [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   FCIP Disbanded a Group

Recommended Action   Informational no action required

Message   IPS-5-FCIP_FTA_EST_GRP_CMD: Path Group established for PGID: [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   FCIP established a Path Group

Recommended Action   Informational no action required

Message   IPS-5-FCIP_FTA_NPORT_PATH_RSCN_CLNUP_PASS1: RSCN Cleanup Pass1 [chars] FCID1: [hex] FCID2: [hex] VSAN: [dec]

Explanation   Doing RSCN Cleanup, Pass 1

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_NPORT_PATH_RSCN_CLNUP_PASS2: RSCN Cleanup Pass2 [chars] FCID1: [hex] FCID2: [hex] VSAN: [dec]

Explanation   Doing RSCN Cleanup, Pass 2

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_RESIGN_GRP_CMD: Resign group processed for PGID: [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   FCIP Resigned a Group

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_RESP_3490: 3490 device discovered by FCIP CH FCID: [hex] CHI: [hex] device at CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   Device type discovered is 3490

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_RESP_3590: 3590 device discovered by FCIP CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   Device type discovered is 3590

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_RESP_NOT_TAPE: Non-tape device discovered by FCIP CH FCID: [hex] CHI: [hex] device at CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   FCIP discovered a non-tape device

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_TURN_OFF_LAST_VSAN: FTA turned off for the Last VSAN, [chars] VSAN: [dec]

Explanation   FTA turned off for the Last Vsan

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_TURN_OFF_NONLAST_VSAN: FTA turned off for the Non-Last VSAN, [chars] VSAN: [dec]

Explanation   FTA turned off for the Non-Last Vsan

Recommended Action   Informational no action required

Message IPS-5-FCIP_FTA_TURN_ON: Turn ON FTA, [chars] VSAN: [dec]

Explanation FTA turned ON

Recommended Action Informational no action required

Message IPS-5-FCIP_FTA_WARNING: FTA Warning: [chars]

Explanation Generic FTA Warning

Recommended Action Informational no action required

Message IPS-5-FCIP_FTRA_CFG_MISMATCH: [chars]: Mismatch in FCIP FICON Tape Read
Accelerator configuration with peer

Explanation The FCIP FICON Tape Read Accelerator configuration does not match with peers
configuration'

Recommended Action Fix the FCIP FICON Tape Read Accelerator configuration to be consistent
with the peer

Message IPS-5-FCIP_IF_CR_DEL: Interface [chars] [chars]

Explanation FCIP Interface was Created or Deleted

Recommended Action No action is required.

Message IPS-5-FCIP_MODE1_CHANGED_TO_MODE2: Changing mode1 compression to mode2 for
[chars], on a MSM/SSN-16 linecard

Explanation Change mode1 compression to mode2 on a MSM/SSN-16 linecard

Recommended Action Informational no action required

Message IPS-5-FCIP_NUM_TCP_CONNS_MISMATCH: [chars]: configured for 2 tcp
connections but currently operating with 1 connection

Explanation Number of configured tcp connections dont match number of connections on current
lyup

Recommended Action No action is required.

Message IPS-5-FCIP_PEER_CAVIUM: Peer FCIP [chars] is a MSM/SSN-16 linecard

Explanation Peer linecard is a MSM/SSN-16

Recommended Action Informational no action required

Message   IPS-5-FCIP_PEER_NON_CAVIUM: Peer FCIP [chars] is a non MSM/SSN-16 linecard

Explanation   Peer linecard is non MSM/SSN-16

Recommended Action   Informational no action required

Message   IPS-5-FCIP_RA_CFG_MISMATCH: [chars]: Mismatch in FCIP Tape Read Acceleration capability with peer

Explanation   The FCIP Tape Read Acceleration capability does not match with peers configuration.

Recommended Action   Fix the FCIP Tape Read Acceleration capability to be consistent with the peer.

Message   IPS-5-FCIP_SF_NOT_SUPPORTED: Special-Frame not supported for FCIP [chars]

Explanation   Special-Frame not supported in this release.

Recommended Action   Informational no action required.

Message   IPS-5-FCIP_TA_CFG_MISMATCH: [chars]: Mismatch in FCIP Tape Acceleration configuration with peer

Explanation   The FCIP Tape Acceleration configuration does not match with peers configuration.

Recommended Action   Fix the FCIP Tape Acceleration configuration to be consistent with the peer.

Message   IPS-5-FCIP_TA_ITL_MISMATCH: [chars]: Mismatch in FCIP Write/Tape Acceleration software capability with peer

Explanation   The FCIP Write/Tape Acceleration software capability does not match with peers software capability'

Recommended Action   Fix the FCIP software to be consistent with the peer

Message   IPS-5-FCIP_TSTAMP_CHK_FAILED: [chars]: Timestamp check failed on ingressing frames

Explanation   Timestamp between local and remote side exceeds the configured tolerance

Recommended Action   No action is required.

Message   IPS-5-FCIP_UNBIND_FAILED: UNBIND failed for [chars] due to [chars] for [chars]

Explanation   FCIP/ISCSI Interface UNBIND from Ethernet port failed

Recommended Action   No action is required.

Message   IPS-5-FCIP_WA_CFG_MISMATCH: [chars]: Mismatch in FCIP Write Acceleration configuration with peer

Explanation   The FCIP Write Acceleration configuration does not match with peers configuration.

Recommended Action   Fix the FCIP Write Acceleration configuration to be consistent with the peer.

Message   IPS-5-FCIP_WA_XFER_RDY_ERR: [chars]: FCIP Write Acceleration received XFER-RDY after exchange cleanup. Host [hex] Target [hex]

Explanation   FCIP Write/Tape Acceleration received XFER-RDY after exchange cleanup.

Recommended Action   No action is required.

Message   IPS-5-FCIP_XRCE_CFG_MISMATCH: [chars]: Mismatch in FCIP XRC Emulator configuration with peer

Explanation   The FCIP XRC Emulator configuration does not match with peers configuration.

Recommended Action   Fix the FCIP XRC Emulator configuration to be consistent with the peer.

Message   IPS-5-IPS_IPACL_LOG_MSG: [chars]

Explanation   Details of the packet dropped due to ACLs

Recommended Action   No action is required.

Message   IPS-5-IPS_MGR_FEATURE_ENABLE: ips:[dec] iscsi:[dec] fcip:[dec] iscsi-intf-vsan:[dec] ips-lc:[dec]

Explanation   IPS Manager feature enabled/disabled

Recommended Action   No action is required.

Message   IPS-5-IPS_TCP_PORT_IN_USE: Cannot bringup interface [chars], local port already in use

Explanation   FCIP and iSCSI interface are trying to use the same local port, please use different ports.

Recommended Action   No action is required.

Message   IPS-5-ISCSI_BAD_DATA_DIGEST_CRC: iSCSI ingress data digest error from initiator [chars] alias [chars] S_ID [hex] to D_ID [hex]

Explanation   ISCSI Ingress Data Digest CRC failed.

Recommended Action   No action is required.

Message IPS-5-ISCSI_CONN_DOWN_BATCH: [chars]: [dec] iSCSI sessions failed in last [chars], reason: [chars]

Explanation   Number of SCSI session down during the last time interval.

Recommended Action   No action is required.

Message IPS-5-ISCSI_CONN_DOWN: [chars]: iSCSI session down from initiator [chars] alias [chars] ip [chars] to target [chars], reason: [chars]

Explanation   ISCSI session goes down.

Recommended Action   No action is required.

Message IPS-5-ISCSI_CONN_UP: [chars]: iSCSI session up from initiator [chars] alias [chars] ip [chars] to target [chars]

Explanation   ISCSI session comes up and reaches Full-Feature phase

Recommended Action   No action is required.

Message IPS-5-ISCSI_PORT_FAILOVER: [chars]: iSCSI initiator [chars] alias [chars] ip [chars] target [chars]. FC session failed over to port [chars]

Explanation   FC session for the iSCSI session failed over to newly active port

Recommended Action   No action is required.

Message IPS-5-ISCSI_SB_GET_TGT: iSCSI SB get [dec] targets, initiator [chars] alias [chars] ip [chars]

Explanation   ISCSI FCNS query response.

Recommended Action   No action is required.

Message IPS-5-ISCSI_SESSION_CREATE_FAILURE: [chars]: iSCSI Session initiator [chars] target [chars] create failed. [chars]

Explanation   ISCSI Session Create failed.

Recommended Action   No action is required.

Message IPS-5-ISCSI_SESSION_CREATE_REDIRECT: [chars]: iSCSI Session initiator [chars] target [chars] redirected to [chars]/[chars]

Explanation   ISCSI Session Create redirected.

Recommended Action   No action is required.

Message IPS-5-ISCSI_SESSION_REDIRECT_TIMEOUT: iSCSI Session initiator [chars] to [chars] redirected to [chars] timeout

Explanation ISCSI Session Redirect timeout.

Recommended Action No action is required.

Message IPS-5-ISLB_CFS_SESSION_CLEARED: CFS Session Cleared

Explanation CFS Session Cleared by user.

Recommended Action No action is required.

Message IPS-5-LRTP_HDR_FCID_MISMATCH: LRTP header s_id([hex]) d_id([hex]) do not match Inner header s_id([hex]) d_id([hex]) Initiator ([chars]) Target([chars])

Explanation The s_id and / or the d_id field in the frames LRTP header does not match the s_id or d_id field in the inner header.

Recommended Action No action is required.

Message IPS-5-PORT_IPCFG_FAILED: Cannot configure IP address for interface [chars]

Explanation Cannot configure IPS port IP address.

Recommended Action No action is required.

Message IPS-5-SB_MGR_CORE_FAILED: Ethernet Processing core [chars] failed due to [chars]

Explanation Ethernet Processing Core failed.

Recommended Action No action is required.

Message IPS-5-SFRAME_ENTITY_ID_MISMATCH: [chars]: special frame profile ID mismatch

Explanation Special frame received and destination profile ID does not match local profile ID

Recommended Action No action is required.

Message IPS-5-SFRAME_FABRIC_WWN_MISMATCH: [chars]: special frame fabric wwn mismatch

Explanation Special frame received and source/destination fabric wwn does not match local destination/ source fabric wwn

Recommended Action No action is required.

Message   IPS-5-SFRAME_IF_ADMIN_DOWN: [chars]: special frame received if down

Explanation   Special frame received and interface is admin down

Recommended Action   No action is required.

Message   IPS-5-SFRAME_IF_NOT_ENABLED: [chars]: special frame not enabled

Explanation   Special frame received and interface special frame configuration is disabled

Recommended Action   No action is required.

Message   IPS-5-SFRAME_INVALID_NONCE: [chars]: special frame response has invalid nonce for FCIP

Explanation   Special frame response has a different nonce than was originally sent in the special frame

Recommended Action   No action is required.

Message   IPS-5-SFRAME_NOT_RECV: [chars]: special frame was not received by passive-side FCIP

Explanation   Special frame was not received by the passive-side of the FCIP TCP tunnel within given time period

Recommended Action   No action is required.

Message   IPS-5-SFRAME_RESP_MISMATCH: [chars]: special frame response has byte mismatch for FCIP

Explanation   Special frame response has a mismatch in one of the bytes from what was sent from the FCIP special frame sender

Recommended Action   No action is required.

Message   IPS-5-SFRAME_RESP_NOT_RECV: [chars]: special frame response was not received by active-side FCIP

Explanation   Special frame response was not received by the active-side of the FCIP TCP tunnel within given time period

Recommended Action   No action is required.

IPS-6

Message IPS-6-FCIP_FTA_READ_ACCEL_STARTED: Read Acceleration started for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   FCIP-FTA Read Acceleration started

Recommended Action   Informational no action required

Message   IPS-6-FCIP_FTA_READ_ACCEL_STOPPED: Read Acceleration stopped for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] due to [chars] after [dec] MB reads

Explanation   FCIP-FTA Read Acceleration stopped

Recommended Action   Informational no action required

Message   IPS-6-FCIP_FTA_WRITE_ACCEL_STARTED: Write Acceleration started for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

Explanation   FCIP-FTA Write Acceleration started

Recommended Action   Informational no action required

Message   IPS-6-FCIP_FTA_WRITE_ACCEL_STOPPED: Write Acceleration stopped for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] due to [chars] after [dec] MB writes

Explanation   FCIP-FTA Write Acceleration stopped

Recommended Action   Informational no action required

IPS-7

Message   IPS-7-ISCSI_FCNS_QUERY_REQ: return [hex], wait [dec], VSAN [dec], Init: [chars]

Explanation   ISCSI FCNS query

Recommended Action   No action is required.

Message   IPS-7-ISCSI_FCNS_QUERY_RESP: result [hex], [dec] targets, wait [dec], Init: [chars]

Explanation   ISCSI FCNS query response

Recommended Action   No action is required.

Message   IPS-7-ISCSI_NEW_FCNS_QUERY_REQ: return [hex], VSANs [chars], Init:
[chars]

Explanation   ISCSI FCNS query

Recommended Action   No action is required.

Message   IPS-7-ISCSI_NEW_FCNS_QUERY_RESP: result [hex], [dec] entries, [dec]
targets, [dec] total targets Init: [chars]

Explanation   ISCSI FCNS query response

Recommended Action   No action is required.

Message   IPS-7-ISNS_SVR_ERR_RESPONSE: iSNS server returned following error code on
iSNS request for interface [chars]: [dec]

Explanation   iSNS server returned an error for register/deregister request. For select error codes iSNS
client would retry and re-register all target nodes corresponding to the interface

Recommended Action   No action is required.

IPV6 Messages

This section contains the IPV6 messages.

IPV6-2

Message   IPV6-2-ALLOC_MEMORY: Memory allocation failed

Explanation   The IP Configuration Manager failed to allocate a block of dynamic memory.

Recommended Action   No action is required.

IPV6-3

Message   IPV6-3-FILE_WRITE_FAILED: Writing to file [chars] failed - error: [chars]

Explanation   Writing to a file failed probably due to no space.

Recommended Action   Ipv6

Message   `IPV6-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation   The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action   Show processes to check the status of the other processes, debug the specified component.

IPV6-4

Message   `IPV6-4-DAD_FAILED_EVENT: Duplicate address detection failed for [chars] on [chars]`

Explanation   Duplicate address detection for IP address failed.

Recommended Action   Ipv6

IPV6-6

Message   `IPV6-6-CONFIG_EVENT: IP Configuration Msg: [chars]`

Explanation   Configuration message that needs to be logged.

Recommended Action   No action is required.

Message   `IPV6-6-INTERFACE_DELETED: The interface [chars] has been deleted`

Explanation   The specified interface has been deleted. The service will delete all the configuration on that interface.

Recommended Action   No action is required.

Message   `IPV6-6-INTERFACE_EVENT: IP address [chars] [chars] on interface [chars]`

Explanation   The IP address [chars] has been successfully [chars] on the interface [chars].

Recommended Action   No action is required.

Message   `IPV6-6-ROUTE_NOT_ACTIVE: The [chars] is not active`

Explanation   The specified route is successfully configured but currently is not active.

Recommended Action   Check that the route is correct and the outgoing interface is operationally up.

Message   `IPV6-6-STARTING: IP configuration Manager started`

Explanation   The IP Configuration Manager service has successfully started.

Recommended Action   No action is required.

IP Messages

This section contains the IP messages.

IP-1

Message   `IP-1-DHCP_CLIENT_FAILED: dhcp-client failed to get the ip address`

Explanation   Dhcp-client failed to get the ip from server, probably due to server lease unavailability or cable dis-connectivity.

Recommended Action   Ip

IP-2

Message   `IP-2-ALLOC_MEMORY: Memory allocation failed`

Explanation   The IP Configuration Manager failed to allocate a block of dynamic memory.

Recommended Action   No action is required.

IP-3

Message   `IP-3-FILE_WRITE_FAILED: Writing to file [chars] failed - error: [chars]`

Explanation   Writing to a file failed probably due to no space.

Recommended Action   Ip

Message   `IP-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation   The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action   Show processes to check the status of the other processes, debug the specified component.

IP-4

Message   `IP-4-DAD_FAILED_EVENT: Duplicate address detected for [chars] on [chars]`

Explanation   Duplicate address detected for IP address.

Recommended Action   Ip

IP-6

Message   `IP-6-CONFIG_EVENT: IP Configuration Msg: [chars]`

Explanation   Configuration message that needs to be logged.

Recommended Action   No action is required.

Message   `IP-6-DHCP_CLIENT_SUCCESS: dhcp_client got ip address:[chars], netmask:[chars] for mgmt interface, got from server:[chars]`

Explanation   DHCP-client is able to get the ip address from server,

Recommended Action   No action is required.

Message   `IP-6-INTERFACE_DELETED: The interface [chars] has been deleted`

Explanation   The specified interface has been deleted. The service will delete all the configuration on that interface.

Recommended Action   No action is required.

Message   `IP-6-INTERFACE_EVENT: IP address [chars] [chars] on interface [chars]`

Explanation   The IP address [chars] has been successfully [chars] on the interface [chars].

Recommended Action   No action is required.

Message   `IP-6-ROUTE_NOT_ACTIVE: The [chars] is not active`

Explanation   The specified route is successfully configured but currently is not active.

Recommended Action   Check that the route is correct and the outgoing interface is operationally up.

Message   `IP-6-STARTING: IP configuration Manager started`

Explanation   The IP Configuration Manager service has successfully started.

Recommended Action   No action is required.

ISAPI Messages

This section contains the ISAPI messages.

ISAPI-SLOT#-0

Message   ISAPI-SLOT#-0-INVISTA_EMERG: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) caused a system failure. The name of the application is INVISTA.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-0-MSM_EMERG: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) caused a system failure. The card type is MSM.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-0-NSP_EMERG: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) caused a system failure. The name of the application is NSP.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-0-SSM_EMERG: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) caused a system failure The card type is SSM.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-0-SSN_EMERG: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) caused a system failure The card type is SSN.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

ISAPI-SLOT#-1

Message   `ISAPI-SLOT#-1-INVISTA_ALERT: [chars]`

Explanation The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The name of the application is INVISTA.

Recommended Action Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   `ISAPI-SLOT#-1-MSM_ALERT: [chars]`

Explanation The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is MSM.

Recommended Action Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   `ISAPI-SLOT#-1-NSP_ALERT: [chars]`

Explanation The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The name of the application is NSP.

Recommended Action Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   `ISAPI-SLOT#-1-SSM_ALERT: [chars]`

Explanation The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is SSM.

Recommended Action Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   `ISAPI-SLOT#-1-SSN_ALERT: [chars]`

Explanation The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is SSN.

Recommended Action Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

ISAPI-SLOT#-2

Message   ISAPI-SLOT#-2-INVISTA_CRIT: [chars]

Explanation The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The name of the application is INVISTA.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-2-MSM_CRIT: [chars]

Explanation The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is MSM.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-2-NSP_CRIT: [chars]

Explanation The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The name of the application is NSP.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-2-SSM_CRIT: [chars]

Explanation The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is SSM.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-2-SSN_CRIT: [chars]

Explanation The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is SSN.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

ISAPI-SLOT#-3

Message   ISAPI-SLOT#-3-INVISTA_ERROR: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) has encountered a an error. The name of the application is INVISTA.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-3-MSM_ERROR: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) has encountered a an error. The card type is MSM.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-3-NSP_ERROR: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) has encountered a an error. The name of the application is NSP.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message   ISAPI-SLOT#-3-SSM_ERROR: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) has encountered a an error. The card type is SSM.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support

Message   ISAPI-SLOT#-3-SSN_ERROR: [chars]

Explanation   The Internet Server Application Programming Interface (ISAPI) has encountered a an error. The card type SSN.

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support

ISAPI-SLOT#-4

Message   ISAPI-SLOT#-4-INVISTA_WARN: [chars]

Explanation   This is an Internet Server Application Programming Interface (ISAPI) warning message from the application INVISTA.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-4-MSM_WARN: [chars]

Explanation   This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is MSM.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-4-NSP_WARN: [chars]

Explanation   This is an Internet Server Application Programming Interface (ISAPI) warning message. The name of the application is NSP.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-4-SSM_WARN: [chars]

Explanation   This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is SSM.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-4-SSN_WARN: [chars]

Explanation   This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is SSN.

Recommended Action   No action is required.

ISAPI-SLOT#-5

Message   ISAPI-SLOT#-5-INVISTA_NOTICE: [chars]

Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The name of the application is INVISTA.

Recommended Action   No action is required.

Message   `ISAPI-SLOT#-5-MSM_NOTICE: [chars]`

Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is MSM.

Recommended Action   No action is required.

Message   `ISAPI-SLOT#-5-NSP_NOTICE: [chars]`

Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The name of the application is NSP.

Recommended Action   No action is required.

Message   `ISAPI-SLOT#-5-SSM_NOTICE: [chars]`

Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is SSM.

Recommended Action   No action is required.

Message   `ISAPI-SLOT#-5-SSN_NOTICE: [chars]`

Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is SSN.

Recommended Action   No action is required.

ISAPI-SLOT#-6

Message   `ISAPI-SLOT#-6-INVISTA_INFO: [chars]`

Explanation   This is a message that indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The name of the application is INVISTA.

Recommended Action   No action is required.

Message   `ISAPI-SLOT#-6-MSM_INFO: [chars]`

Explanation   This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is MSM.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-6-NSP_INFO: [chars]

Explanation This is a message that indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The name of the application is NSP.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-6-SSM_INFO: [chars]

Explanation This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is SSM.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-6-SSN_INFO: [chars]

Explanation This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is SSN.

Recommended Action   No action is required.

ISAPI-SLOT#-7

Message   ISAPI-SLOT#-7-INVISTA_DEBUG: [chars]

Explanation This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI) . The name of the application is INVISTA.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-7-MSM_DEBUG: [chars]

Explanation This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is MSM.

Recommended Action   No action is required.

Message   ISAPI-SLOT#-7-NSP_DEBUG: [chars]

Explanation This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI), specifically in the application: NSP.

Recommended Action   No action is required.

Message   `ISAPI-SLOT#-7-SSM_DEBUG: [chars]`

Explanation   This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is SSM.

Recommended Action   No action is required.

Message   `ISAPI-SLOT#-7-SSN_DEBUG: [chars]`

Explanation   This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is SSN.

Recommended Action   No action is required.

ISCM Messages

ISCM-2

Message   `ISCM-2-APBR_CORRUPT: RISE APBR: in Corrupt State, RS IP: [chars], port: [dec], Proto: [dec], nhop IP: [chars], slot ID: [dec], vlan: [dec]. Reason: [chars].`

Explanation   RMAP

Recommended Action   ACL cannot be completely deleted.

Message   `ISCM-2-ITD_LICENSE_EXPIRED: ITD License: license grace-period expired. Please install ENHANCED_LAYER2_PKG.`

Explanation   License or grace-period has expired.

Recommended Action   Take steps to renew license. Feature will be disabled.

Message   `ISCM-2-ITD_LICENSE_MISSING: Feature ITD license missing: ENHANCED_LAYER2_PKG`

Explanation   License does not exist when attempting to enable ITD feature.

Recommended Action   Acquire license or grace-period permission.

Message   `ISCM-2-LICENSE_EXPIRED: RISE License: LAN_ENTERPRISE_SERVICES_PKG license has expired. RISE feature is being disabled.`

Explanation   License or grace-period has expired.

Recommended Action   Take steps to renew license. Feature will be disabled.

Message `ISCM-2-LICENSE_MISSING: RISE License: LAN_ENTERPRISE_SERVICES_PKG does not exist.`

Explanation License does not exist when attempting to enable RISE feature.

Recommended Action Acquire license or grace-period permission.

ISCM-3

Message `ISCM-3-APBR_ACLMGR_ERROR: RISE APBR: ACL was not [chars], apbr payload: [chars].`

Explanation Acl was not created/deleted.

Recommended Action Check TCAM resource limit, and the sys admin.

Message `ISCM-3-APBR_INGRESS_INT_NOT_FOUND: RISE APBR: cant find the in progress interface for RSIP: [chars].'`

Explanation 7K cannot find a route to the real server.

Recommended Action Check real server network reachability in the current switch.

Message `ISCM-3-APBR_PURGE_ERROR: RISE APBR: Purge failure, slot id: [dec].`

Explanation PBR entries for RISE cannot be deleted cleanly.

Recommended Action Manually delete pbr entries.

Message `ISCM-3-APBR_RPM_ERROR: RISE APBR: RPM returns internal error, rpm resp status: [dec], apbr payload: [chars].`

Explanation Rmap step was not completed.

Recommended Action Check TCAM resource limit, or rmap collision on the same interface, and the sys admin.

Message `ISCM-3-RHI_ROUTE_ISSUE: RISE RHI: slot [dec] route [chars] cannot be [chars]. Reason:[chars].`

Explanation URIB dropped this RHI request. See reason string with the following possibilities: 1. SVI for data vlan [dec] does not exist. 2. SVI for data vlan [dec] is down. 3. urib issues.

Recommended Action Take corrective action per the reason.

ISCM-4

Message ISCM-4-APBR_MAX_LIMIT: RISE APBR: Reached max apbr entries [dec] per RISE. slot id: [dec].

Explanation   PBR entries for RISE cannot be deleted cleanly.

Recommended Action   Manually delete pbr entries.

Message ISCM-4-APBR_PBR_DISABLED: RISE APBR: feature PBR Disabled.

Explanation   APBR will not function correctly without pbr feature.

Recommended Action   Manually enable pbr feature.

Message ISCM-4-DISCOVERY_CHANNEL_DOWN: RISE Channel down, slot id: [dec], Reason: [chars]

Explanation   See reason string in the Message with the following possibilities: 1. Error in bootstrap/health-monitoring response. 2. Timed out while waiting for bootstrap/health-monitoring response. 3. Failed to send bootstrap/health-monitoring message. 4. Control VLAN interface is not operational. 5. RISE interface [chars] is not operational. 6. RISE interface [chars] does not have control VLAN [dec] as trunk member. 7. Control VLAN ([dec]) interface does not have valid IP. 8. RISE port channel po [dec] has no member ports. 9. Failed to send vlan-group. 10. RISE IP [chars] is already assigned to another service, slot id [dec].

Recommended Action   Take corrective action per the reason

Message ISCM-4-ISSU_PRE_UPGRADE_TIMEOUT: RISE ISSU: pre-upgrade timed out, reason: [chars].

Explanation   See the reason.

Recommended Action   Try again with the upgrade.

Message ISCM-4-ISSU_UNEXPECTED_SLOT_MSG: RISE ISSU: unexpected msg from slot [dec], opcode: [dec].

Explanation   Application should not send msg during ISSU. iSCM will ignore.

Recommended Action   No action is required.

Message ISCM-4-LICENSE_EXPIRING: RISE License: LAN_ENTERPRISE_SERVICES_PKG license will expiry in [dec] days [dec] hours [chars] seconds.

Explanation   License or grace-period expiration warning.

Recommended Action   Take steps to renew license. Prepare for feature disable.

ISCM-5

Message   ISCM-5-TRANSPORT_ISSUE: RISE Transport: slot [dec] failed to send, reason: [chars].

Explanation   See the reason.

Recommended Action   Check the network connectivity and the appliance status.

ISNS Messages

This section contains the ISNS messages.

ISNS-2

Message   ISNS-2-ISNS_CFS_OPERATION_FAILED: iSNS CFS [chars] failed

Explanation   ISNS CFS operation failed

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   ISNS-2-ISNS_INIT: iSNS initialization of [chars] [chars]

Explanation   ISNS initialization failed

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IVR Messages

This section contains the IVR messages.

IVR-2

Message   IVR-2-AUTOLEARN_ACTION_FAIL: failure happens during constructing virtual dynamic pfcid table

Explanation   This can happen if failure happens during building, distributing or committing the virtual dynamic pfcid table

Recommended Action   Please 1. check the fabric connection or 2. check current virtual user-configured pfcid entries and internally assigned virtual fcid entries for possible conflict

Message `IVR-2-AUTOLEARN_FEATURE_NOT_SUPPORT: some switches:[chars] dont support autolearn'`

Explanation This can happen if some switches does not support the virtual pfcid auto learn feature'

Recommended Action Please upgrade the unsupported switches

Message `IVR-2-CFS_PEER_LOST_WITHIN_SESSION: CFS peer with switch wwn [chars] was lost in the middle of an active CFS session. Abort the CFS session and re-enter the configuration changes`

Explanation Due to port flaps, link outages, switch restart etc. a CFS peer switch of IVR was lost. The current configuration changes would not be applied to this peer until the peer merges with this switch. The CFS merge may fail if the configuration at the lost peer conflicts with the changes made in this session. Also, IVR auto topology could be out of sync. with this peer. It is recommended that the user abort this CFS session using ivr abort command and then re-enter the configuration changes.

Recommended Action No action is required.

Message `IVR-2-DEVICE_FCID_REWRITE_FAILURE: Failure while programming FCID rewrite entries for pWWN [chars] on incoming VSAN [dec]. Device may not be able to communicate with its peer devices, failure reason code: [hex]`

Explanation Failed to program FCID rewrite entries probably because the hardware ran out of FCID rewrite entries. This can happen if there are too many devices in Inter-VSAN zone or too many local VSANs in VSAN topology

Recommended Action Reduce the number of devices involved in IVR in the active IVR zoneset. Also, reduce the number of redundant transit VSANs, if any

Message `IVR-2-DEVICE_STATE_INCOMPATIBLE_WITH_NAT_MODE: State for device with port WWN [chars] could not be restored because it was incompatible with the current NAT mode([dec]). This probably happened because NAT mode was modified without completely deactivating the active IVR zoneset`

Explanation This probably happened because NAT mode was modified without completely deactivating the active IVR zoneset

Recommended Action The switch needs to be rebooted

Message `IVR-2-DEVICE_VSAN_REWRITE_FAILURE: Failure while programming VSAN rewrite entries for pWWN [chars] on incoming VSAN [dec]. Device may not be able to communicate with its peer devices`

Explanation Failed to program VSAN rewrite entries probably because the hardware ran out of VSAN rewrite entries. This can happen if there are too many devices in Inter-VSAN zone or too many local VSANs in VSAN topology

Recommended Action Reduce the number of domains involved in IVR by moving the members of active IVR zoneset to fewer switches. Also, reduce the number of redundant transit VSANs, if any

Message   IVR-2-INTEROP_MODE_2_OR_3_BF_FAILED: [chars] VSAN [dec] Virtual Domain [chars]

Explanation   Build Fabric (BF) failed in VSAN [dec]. The BF was initiated in order to remove an unused virtual domain [dec] from the fcdomain list in that VSAN. The virtual domain still remains in the fcdomain list and hence it would not be available in that VSAN for assignment.

Recommended Action   Perform a manual build fabric using fc domains interface if you would like to remove the unused virtual domain (s) from the fc domain list.

Message   IVR-2-INTEROP_MODE_2_OR_3_RDI_FAILED: VSAN [dec], requested domain [chars], received domain [chars] sWWN [chars]. Return Code [chars]

Explanation   Request Domain Identifier (RDI) command to allocate virtual domain [dec] failed in VSAN [dec]. Received another domain [chars] instead. IVR-members connected to third-party switch may not participate in IVR communications. It is likely that the domain requested in the RDI command is already in use.

Recommended Action   Reassign the domains so that the domain requested via RDI does not overlap with any existing domain in that VSAN.

Message   IVR-2-IVR_DISABLE_FAILED: Inter-VSAN Routing disable failed for reason: [chars]

Explanation   Inter-VSAN Routing disable failed for reason: [chars]. Cleanup might not have completed

Recommended Action   Deactivate ivr zoneset and disable ivr again. If that fails, then the ivr process would terminate itself in 5 minutes

Message   IVR-2-IVZS_ACTIVATION_FAILED_RETRYING: Inter-VSAN zoneset activation failed in VSAN [dec]: [chars]. retrying after [dec] seconds

Explanation   Inter-VSAN zoneset activation failed in VSAN [dec]: [chars]. This could be an intermittent regular zoneset activation error. The activation will be retried in [dec] seconds.

Recommended Action   No action is required.

Message   IVR-2-NO_LICENSE_SHUTDOWN: Inter-VSAN Routing is shutting down.

Explanation   License required for continued IVR operation is not available. Hence IVR is shutting down

Recommended Action   Install appropriate license for IVR services and then enable IVR again.

Message   `IVR-2-NO_LICENSE_WARNING: Inter-VSAN Routing would shutdown in [dec] seconds.`

Explanation   License required for continued IVR operation is not available. Unless the required license is installed IVR would shutdown in [dec] seconds. IVR configurations would be lost.

Recommended Action   Install appropriate license for IVR services to continue to operate uninterrupted within [dec] seconds

Message   `IVR-2-PERSISTENT_VIRTUAL_FCID_CONFLICT_WITH_AUTOLEARN: Persistent virtual fcid and dynamic pfcid entries`

Explanation   This can happen if conflict happens during persistent virtual domain, or virtual fcid entry configuration.

Recommended Action   Please assign a non-conflict persistent virtual domain or fcid entry with current dynamic entries

Message   `IVR-2-PERSISTENT_VIRTUAL_FCID_UNAVAILABLE: to vsan [dec] because the configured persistent virtual domain/fcid could not be assigned`

Explanation   This can happen if the virtual domain/fcid configured by the user is - a) Already in use (either by IVR or a real switch) b) Not allowed due to interop mode or allowed domain list

Recommended Action   Please make sure that the configured virtual domain/fcid is allowed and available for use

Message   `IVR-2-VIRTUAL_DOMAIN_CONFLICT: In VSAN [dec] virtual domain [dec] from native VSAN [dec] conflicts with native VSAN [dec] for the same virtual domain`

Explanation   Currently advertised virtual domain [dec] in VSAN [dec] is native to VSAN [dec]. This switch has learned of a device that is member of active IVR zone and has the same domain ID, but belongs to a different native VSAN. This device would not be advertised in that VSAN until the domain conflict is resolved.

Recommended Action   No action is required.

Message   `IVR-2-VIRTUAL_FCID_UNAVAILABLE: to vsan [dec] because the internally generated FCID conflicts with fcid assigned to WWN [chars]. Please configure fcid for WWN [chars] too`

Explanation   This can happen if the virtual domain/fcid internally configured is already in use by another active device

Recommended Action   Please assign a different persistent virtual fcid by CLI command

IVR-3

Message   IVR-3-AAM_MODE_CANNOT_CHANGE: AAM mode cannot be changed. Might cause the fabric NAT mode inconsistency

Explanation   Could be caused by ivr NAT is not enable

Recommended Action   No action is required.

Message   IVR-3-AAM_MODE_DEREGISTERED_FAILED: Abstract ACL Manager (AAM) mode deregister failed. Error code is [chars].

Explanation   Abstract ACL Manager (AAM) mode deregister failed

Recommended Action   No action is required.

Message   IVR-3-AAM_MODE_REGISTERED_FAILED: Abstract ACL Manager (AAM) register failed. Error code is [chars].

Explanation   Abstract ACL Manager (AAM) register failed

Recommended Action   No action is required.

Message   IVR-3-ACL_ERROR: ACL API, [chars], failed with error [chars]

Explanation   IVR invoked ACL API and received the error code. [chars] describes the API and [chars] specifies the error.

Recommended Action   No action is required.

Message   IVR-3-ACL_PERMIT_ENTRY_ERROR: ACL permit entry update on interface [chars] failed for reason: [chars]

Explanation   ACL could not program permit entries for IVR traffic. [chars] describes the interface named and [chars] describes the system Message from ACL. IVR traffic coming from the interface may be dropped.

Recommended Action   If the problem persists, please contact TAC, or your reseller for support.

Message   IVR-3-ACL_PLOGI_ENTRY_ERROR: PLOGI capture entry update in slot [dec] failed for reason: [chars]

Explanation   ACL could not program IVR PLOGI could not be programmed. slot[dec] describes the line card slot number and [chars] describes the system Message. PLOGI and its response may be dropped because ivr process cannot capture those frames.

Recommended Action   No action is required.

Message   IVR-3-AFID_CONFLICT: [chars]

Explanation   AFID configuration is different at different ivr-enabled switches in the same VSAN. Change AFID configuration (auto mode) or vsan topology configuration (user mode) to make it consistent

Recommended Action   No action is required.

Message   IVR-3-CFS_INVALID_PAYLOAD_RECEIVED: Inter-VSAN process received invalid payload from CFS

Explanation   Inter-VSAN process received invalid payload from CFS.

Recommended Action   No action is required.

Message   IVR-3-CLEAR_FAILED: [chars]

Explanation   An error occurred while clearing the lock. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-COMMIT_FAILED: [chars]

Explanation   An error occurred while committing configuration. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-COMMIT_PARTIALLY_FAILED: [chars]

Explanation   An error occurred while committing configuration. Configuration could not be committed on some switches. The reason for the failure: [chars]. Configuration can be inconsistent in the fabric.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-COMMIT_REJECTED: [chars]

Explanation   Commit request received from remote switch is rejected. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-DDAS_LOCK_TIMER_EXPIRED: IVR database lock is released, as device-alias commit/abort notification is not received in the expected time frame.

Explanation   When device-alias sends the validation request, IVR database is locked and a timer is started. For any reason, if device-alias commit/abort notification is not received within the expected time frame, the lock timer gets expired and the lock is released. If device-alias commit notification is received after the lock is released, the changes are not applied and this could cause inconsistency between IVR and device-alias.

Recommended Action   No action is required.

Message   IVR-3-DEVICE_NOT_PREENT_IN_FB_DB_FICON: Device with port WWN [chars] could not be exported to VSANs [chars] because its native switch is not present in the current active fabric binding database of those VSANs.

Explanation   This happens if ficon is enabled on VSANs [chars] and native switch of device with port WWN [chars] is not present in the current active fabric binding database of those VSANs. This is a requirement for ficon compliance.

Recommended Action   No action is required.

Message   IVR-3-DEVICE_ON_WRONG_NATIVE_AFID_VSAN: Device with port WWN [chars] (FCID:[chars], native VSAN [dec] native AFID [dec]) may not be exported to other VSANs (for Inter-VSAN zoning) because it has come online in VSAN [dec] AFID [dec]

Explanation   Device has come online on a AFID/VSAN different from the configured native AFID/VSAN

Recommended Action   No action is required.

Message   IVR-3-DEVICE_ON_WRONG_NATIVE_VSAN: Device with port WWN [chars] (FCID:[chars], native VSAN [dec]) may not be exported to other VSANs (for Inter-VSAN zoning) because domain [hex] exists in VSAN [dec]

Explanation   Device has come online on a VSAN different from the configured native VSAN or the device does not satisfy unique domain criteria.

Recommended Action   No action is required.

Message   IVR-3-DM_ERROR: Domain Manager API, [chars], failed with error [hex]

Explanation   IVR invoked DM API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

Recommended Action   No action is required.

Message IVR-3-DOMAIN_DISALLOWED_IN_INTEROP: Device with port WWN [chars] and FCID [chars] may not be able to participate in Inter-VSAN zone since domain [dec] is disallowed in the interop mode for VSAN [dec]

Explanation VSAN interop modes place restrictions on what domain ranges are allowed. This domain is out of the range allowed for this interop mode. See the Cisco MDS 9000 Family Configuration Guide for details on the domain range limitations.

Recommended Action Change the domain of the switch to which this IVR zone member is connected to so that it is within the allowed domain list for the interop mode. The domain identifier can be statically assigned using fcdomain interface. You can also configure a range of domains allowed in a VSAN using the fc domains allowed-domains' interface.

Message IVR-3-DOMAIN_UNAVAILABLE: Device with port WWN [chars] and FCID [chars] may not be able to participate in Inter-VSAN zone since domain [dec] is already assigned in VSAN [dec]

Explanation Device with port WWN [chars] and FCID [dec] may not be able to participate in Inter-VSAN zone since domain [dec] is already assigned in VSAN [dec].

Recommended Action No action is required.

Message IVR-3-FC2_ERROR: FC2 API [chars] failed with error [hex] for [chars]

Explanation IVR invoked FC2 API for [chars] socket and received the error code. [chars] describes the API and 0x[hex] specifies the error.

Recommended Action No action is required.

Message IVR-3-FCID_NAT_MODE_CANNOT_CHANGE: IVR NAT mode cannot be changed. Might cause the fabric NAT mode inconsistency

Explanation Could be caused by active zoneset, pending activation /deactivation or non-empty device list

Recommended Action No action is required.

Message IVR-3-FCID_REWRITE_REQUEST_TO_ACL_FAILED: fcid rewrite [chars] request vsan [dec] did [chars] sid [chars] failed:[chars]([hex]).

Explanation This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

Recommended Action No action is required.

Message IVR-3-INTERNAL_ERROR: Internal error: [chars]

Explanation IVR process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action No action is required.

Message   IVR-3-INVALID_ZONE_MEMBER_PROP_INTEROP_MODE_2_3: unsupported member/zone properties in interop mode 2 or 3 [chars]

Explanation   Inter-VSAN member properties incompatible with interop mode vsan

Recommended Action   No action is required.

Message   IVR-3-IVR_NAT_OFF_IS_SAB: Fcid-nat must be enabled before IVR zoneset activation for Sabre platform.

Explanation   Fcid-nat must be enabled before IVR zoneset activation for Sabre platform.

Recommended Action   No action is required.

Message   IVR-3-IVR_DU_VSAN_IS_SEGMENTED: AFID [dec] VSAN [dec] is segmented, VSAN is removed from the topology graph and hence no Inter-VSAN traffic can flow through this VSAN.

Explanation   DU Vsan Segmented, ivr traffic may be impact by du vsan segmentation.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-IVZ_ACTIVATION_FAILED_VSAN: Inter-VSAN zoneset [chars] activation failed in VSAN [dec]

Explanation   Inter-VSAN zoneset activation failed in VSAN.

Recommended Action   No action is required.

Message   IVR-3-IVZ_ACTIVATION_FAILED: Inter-VSAN zoneset [chars] activation failed

Explanation   Inter-VSAN zoneset activation failed.

Recommended Action   No action is required.

Message   IVR-3-IVZ_DEACTIVATION_FAILED_VSAN: Inter-VSAN zoneset [chars] deactivation failed in VSAN [dec]

Explanation   Inter-VSAN zoneset deactivation failed in VSAN.

Recommended Action   No action is required.

Message   IVR-3-IVZ_DEACTIVATION_FAILED: Inter-VSAN zoneset [chars] deactivation failed

Explanation   Inter-VSAN zoneset deactivation failed.

Recommended Action   No action is required.

Message   IVR-3-LOCK_FAILED: [chars]

Explanation   An error occurred while acquiring the lock. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-MERGE_ACTIVATION_FAILED: [chars]

Explanation   An error occurred while activating merged configuration. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-MERGE_FAILED: reason is [chars]

Explanation   An error occurred while merging configuration. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   IVR-3-MTS_ERROR: MTS message transmission failed with error [dec]

Explanation   IVR process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec].

Recommended Action   No action is required.

Message   IVR-3-NS_ERROR: FCNS API, [chars], failed with error [hex]

Explanation   IVR invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

Recommended Action   No action is required.

Message   IVR-3-PSS_CFG_RESTORE_ERROR: Configuration restoration for [chars] failed with error [hex]

Explanation   IVR read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system err code.

Recommended Action   No action is required.

Message   IVR-3-PSS_ERROR: PSS operation [chars] returned error: [hex]

Explanation   [chars] specifies the context where the failure occurred and 0x[hex] specifies the error.

Recommended Action   No action is required.

Message   IVR-3-PSS_RTDB_RESTORE_ERROR: Runtime database restoration for [chars] failed with error [hex]

Explanation   IVR read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code.

Recommended Action   No action is required.

Message   IVR-3-QOS_IOD_UNDROP_REQUEST_TO_ACL_FAILED: qos iod undrop request vsan [dec] did [chars] failed: [chars].

Explanation   This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

Recommended Action   No action is required.

Message   IVR-3-RIB_ERROR: RIB API, [chars], failed with error [hex]

Explanation   IVR invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

Recommended Action   No action is required.

Message   IVR-3-ROUTE_REQUEST_TO_ACL_FAILED: route [chars] request vsan [dec] domain [dec] failed: [chars].

Explanation   This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

Recommended Action   No action is required.

Message   IVR-3-TOPOLOGY_COMPUTATION_FAILED: Inter-VSAN Topology computation has failed due to: [chars]

Explanation   Inter-VSAN Topology has failed due to [chars]. Possible reasons are (a) Number of AFID/VSAN combination is more than the maximum supported value of 128, or (b) Number of ivr-enabled switches is more than the maximum supported value of 128

Recommended Action   No action is required.

Message   `IVR-3-UNEXPECTED_MTS_MSG: Unexpected MTS message, opcode [dec], is received`

Explanation   IVR process received unexpected MTS event. MTS opcode is specified in [dec].

Recommended Action   No action is required.

Message   `IVR-3-UNLOCK_FAILED: [chars]`

Explanation   An error occurred while releasing the lock. The reason for the failure: [chars]

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   `IVR-3-VSAN_SEGMENTED: [chars]`

Explanation   VSAN is segmented. VSAN is removed from the topology graph and hence no Inter-VSAN traffic can flow through this VSAN.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   `IVR-3-ZS_POLICY_IS_DENY_NO_ACTIVE_ZS: Default zone behavior policy is deny on VSAN [dec] and there is no active zoneset`

Explanation   Default zone behavior is deny and there is no active zoneset. Inter-VSAN zone members may not be able communicate in this VSAN.

Recommended Action   No action is required.

Message   `IVR-3-ZS_POLICY_IS_PERMIT_NO_FORCE: Default zone behavior policy is permit on VSAN [dec] and the force option is off`

Explanation   Default zone behavior is permit and the force option is off. Inter-VSAN zoneset activation on this VSAN has failed.

Recommended Action   No action is required.

Message   `IVR-3-ZS_POLICY_IS_PERMIT_ZS_DEACTIVATED: Default zone behavior policy is permit on VSAN [dec] and regular zoneset deactivated`

Explanation   Default zone behavior is permit and regular zoneset is deactivated. Inter-VSAN zone members may not be able to communicate.

Recommended Action   No action is required.

IVR-4

Message   `IVR-4-AUTO_TOPOLOGY_UPDATE_DISCARDED: [chars]`

Explanation   Received auto topology update is discarded due to conflicts

Recommended Action   No action is required.

Message   `IVR-4-FCID_REWRITE_REQUEST_TO_ACL_FAILED_AND_RETRYING: fcid rewrite [chars] request vsan [dec] did [chars] sid [chars] failed:[chars]([hex]). Retrying the request again.`

Explanation   This happens when either any of the line cards being upgraded or ACL experienced error while processing the request.

Recommended Action   No action is required.

Message   `IVR-4-PERSISTENT_VIRTUAL_DOMAIN_MERGE_CONFLICT: [chars]`

Explanation   Merge failed due to conflict in the persistent virtual domain configuration

Recommended Action   No action is required.

Message   `IVR-4-IVR_VDC_FORCEFUL_CLEANUP: IVR was removed with VDC delete/reload/suspend, Forceful cleanup was triggered.`

Explanation   IVR was removed from an N7K switch via VDC delete/reload, which triggered a forceful cleanup.

Recommended Action   No action is required.

Message   `IVR-4-IVR_REMOVED_PENDING_CFG: IVR was removed while there were still pending IVR configurations. Forceful cleanup was triggered and the pending configurations were not saved.`

Explanation   IVR was removed from an N7K switch via VDC delete/reload, which triggered a forceful cleanup. The pending IVR configurations were not saved.

Recommended Action   No action is required.

Message   `IVR-4-PERSISTENT_VIRTUAL_FCID_MERGE_CONFLICT: [chars]`

Explanation   Merge failed due to conflict in the persistent virtual fcid configuration

Recommended Action   No action is required.

Message   `IVR-4-QOS_IOD_UNDROP_REQUEST_TO_ACL_FAILED_AND_RETRYING: qos iod undrop`
`request vsan [dec] did [chars] failed:[chars]. Retrying the request again.`

Explanation   This happens when either any of the linecards being upgraded or ACL experienced error while processing the request.

Recommended Action   No action is required.

Message   `IVR-4-ROUTE_REQUEST_TO_ACL_FAILED_AND_RETRYING: route [chars] request`
`vsan [dec] domain [dec] failed:[chars]. Retrying the request again.`

Explanation   This happens when either any of the line cards being upgraded or ACL experienced error while processing the request.

Recommended Action   No action is required.

Message   `IVR-4-UNKNOWN_NATIVE_VSAN: Unknown native VSAN for the virtual domain`
`[dec] in VSAN [dec] local native VSAN for the same virtual domain is [dec]`

Explanation   Could not determine native VSAN of the currently advertised virtual domain [dec] in VSAN [dec]. This switch has learned of a device that is member of active IVR zone has the same domain ID, and belongs to native VSAN [dec]. This device would not be advertised in that VSAN until the native VSAN information is resolved.

Recommended Action   No action is required.

IVR-5

Message   `IVR-5-AAM_MODE_DEREGISTERED: Abstract ACL Manager (AAM) mode has been`
`deregistered`

Explanation   Abstract ACL Manager (AAM) mode has been deregistered

Recommended Action   No action is required.

Message   `IVR-5-AAM_MODE_REGISTERED: Abstract ACL Manager (AAM) mode has been`
`registered`

Explanation   Abstract ACL Manager (AAM) mode has been registered

Recommended Action   No action is required.

Message   `IVR-5-FCID_NAT_MODE_ACTIVATED: FCID network address translation (NAT)`
`mode has been activated`

Explanation   FCID network address translation (NAT) mode has been activated

Recommended Action   No action is required.

Message IVR-5-FCID_NAT_MODE_DEACTIVATED: FCID network address translation (NAT) mode has been deactivated

Explanation FCID network address translation (NAT) mode has been deactivated

Recommended Action No action is required.

Message IVR-5-IVR_ASSERTION_FAILED: Unexpected assertion failure in File [chars] at Line [dec]

Explanation An assertion failed in IVR code

Recommended Action No action is required.

Message IVR-5-IVR_DU_VSAN_NO_LONGER_SEGMENTED: AFID [dec] VSAN [dec] is no longer segmented

Explanation VSAN is no longer segmented. VSAN is added back to the topology graph and hence Inter-VSAN traffic can now flow through this VSAN.

Recommended Action No action is required.

Message IVR-5-IVZS_ACTIVATION_RETRYING: Inter-VSAN zoneset activation did not go through because of [chars], retrying in VSAN [dec] after [dec] seconds

Explanation Inter-VSAN zoneset activation failed because of [chars] in VSAN [dec]. This could be an intermittent regular zoneset activation error. The activation will be retried in [dec] seconds.

Recommended Action No action is required.

Message IVR-5-IVZS_WAITING_FOR_LOWEST_SWWN: Waiting for lowest switch WWN Inter-VSAN enabled switch in VSAN [dec]

Explanation Only lowest switch WWN Inter-VSAN enabled switch adds the Inter-VSAN zones to the regular active zoneset in a VSAN. This local switch is not the lowest sWWN switch in VSAN [dec]

Recommended Action No action is required.

Message IVR-5-IVZ_ACTIVATED_VSAN: Inter-VSAN zoneset [chars] activated in VSAN [dec]

Explanation Inter-VSAN zoneset activated in VSAN[dec].

Recommended Action No action is required.

Message   IVR-5-IVZ_ACTIVATED: Inter-VSAN zoneset [chars] activated

Explanation   Inter-VSAN zoneset activated[dec].

Recommended Action   No action is required.

Message   IVR-5-IVZ_CLEANUP_DONE_BY_TIMER: Inter-VSAN clean-up is not done after waiting for 5 minutes

Explanation   Inter-VSAN related configuration might not be cleaned up before the ivr process is terminated

Recommended Action   If the problem persists, you may have to reboot your switch to clean up the old IVR configuration

Message   IVR-5-IVZ_CLEANUP_DONE: Inter-VSAN clean-up is done

Explanation   Inter-VSAN related configuration is cleaned up before exiting.

Recommended Action   No action is required.

Message   IVR-5-IVZ_DEACTIVATED_VSAN: Inter-VSAN zoneset [chars] deactivated in VSAN [dec]

Explanation   Inter-VSAN zoneset deactivated in VSAN[dec].

Recommended Action   No action is required.

Message   IVR-5-IVZ_DEACTIVATED: Inter-VSAN zoneset [chars] deactivated

Explanation   Inter-VSAN zoneset deactivated [dec].

Recommended Action   No action is required.

Message   IVR-5-IVZ_PARTIALLY_ACTIVATED: Inter-VSAN zoneset [chars] partially activated

Explanation   Inter-VSAN zoneset activated[dec].

Recommended Action   Check if it is successful in all VSANs by doing show IVR zoneset status.

Message   IVR-5-IVZ_PARTIALLY_DEACTIVATED: Inter-VSAN zoneset [chars] partially deactivated

Explanation   Inter-VSAN zoneset deactivated [dec].

Recommended Action   Check if it is successful in all VSANs by doing show IVR zoneset status.

Message   IVR-5-LICENSE_CHECKIN_FAILED: Failed to checkin [chars] license:
Err=[chars]

Explanation   Failed to checkin [chars] license

Recommended Action   No action is required.

Message   IVR-5-SERVICE_GROUP_ACTIVATED: Inter-VSAN Service Group has been
activated

Explanation   Inter-VSAN Service Group has been activated.

Recommended Action   No action is required.

Message   IVR-5-SERVICE_GROUP_DEACTIVATED: Inter-VSAN Service Group has been
deactivated

Explanation   Inter-VSAN Service Group has been deactivated.

Recommended Action   No action is required.

Message   IVR-5-VSAN_NO_LONGER_SEGMENTED: [chars]

Explanation   VSAN is no longer segmented. VSAN is added back to the topology graph and hence
Inter-VSAN traffic can now flow through this VSAN.

Recommended Action   No action is required.

Message   IVR-5-VSAN_TOPOLOGY_ACTIVATED: Inter-VSAN Topology has been activated

Explanation   Inter-VSAN Topology has been activated.

Recommended Action   No action is required.

IVR-6

Message   IVR-6-DRAV_ASYNC_DOMAIN_RELEASE: [chars]

Explanation   DRAV FSM has unconditionally released a domain due to conflict after a fabric merge.
The details are in [chars]

Recommended Action   No action is required.

Message   IVR-6-DRAV_CRITICAL_RETRY_EXCEED: [chars]

Explanation   DRAV FSM frames are attempted to be resent. The details are in [chars]

Recommended Action   No action is required.

Message   IVR-6-DRAV_DOMAIN_ALLOC: Virtual domain [dec] for Native AFID: [dec] Native VSAN [dec]

Explanation   A virtual domain indicated by [dec] has been reserved for a device with native AFID [dec] and native VSAN [dec]

Recommended Action   No action is required.

Message   IVR-6-DRAV_DOMAIN_RELEASE: Virtual domain [dec] for Native AFID: [dec] Native VSAN [dec]

Explanation   A virtual domain indicated by [dec] has been released used by devices with native AFID [dec] and native VSAN [dec]

Recommended Action   No action is required.

Message   IVR-6-DRAV_TOPO_UPDATE: [chars]

Explanation   DRAV FSM Topology has been updated as indicated by [chars]

Recommended Action   No action is required.

Message   IVR-6-LICENSE_VALID: A valid license for Inter-VSAN Routing has been obtained

Explanation   A valid license for Inter-VSAN Routing has been obtained

Recommended Action   No action is required.

IVR-7

Message   IVR-7-CFS_REQ_RCVD: [chars]

Explanation   CFS request is received. The WWN of the switch originated this request and the rr-token of the request are provided in the syslog message.

Recommended Action   No action is required.

Message   IVR-7-CFS_RESP_SENT: [chars]

Explanation   CFS response is sent. The rr-token of the corresponding request and the status are provided in the syslog message

Recommended Action   No action is required.

KERN Messages

Message `%KERN-2-SYSTEM_MSG: [char]`

Explanation   Kernel messages provide additional information about the applications and help debug application errors.

Recommended Action   No action is required.

L2FMC Messages

This section contains the L2FMC messages.

L2FMC-SLOT#-0

Message `L2FMC-SLOT#-0-L2FMC_CLI_INIT_FAILED: CLI library initialization failed!`

Explanation   L2FMC failed to initialize CLI infrastructure's backend library. This is a fatal error.

Recommended Action   No action is required.

Message `L2FMC-SLOT#-0-L2FMC_TIMER_INIT_FAILED: Timer subsystem initialization failed!`

Explanation   L2FMC failed to initialize timer library. This is a fatal error.

Recommended Action   No action is required.

L2FMC-SLOT#-2

Message `L2FMC-SLOT#-2-L2FMC_MEM_ALLOC: Memory allocation failed. [chars]`

Explanation   Memory allocation failed. This is a critical failure

Recommended Action   No action is required.

Message `L2FMC-SLOT#-2-L2FMC_VLAN_NOT_FOUND: VLAN [dec] not found in L2FMC database!`

Explanation   L2FMC failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

Recommended Action   No action is required.

L2FMC-SLOT#-5

Message `L2FMC-SLOT#-5-L2FMC_GLBL_AGE_CONFIG_FAIL: Global age value configuration to [dec] seconds failed!`

Explanation   L2FMC failed to configure global default age to [dec] seconds.

Recommended Action   No action is required.

Message `L2FMC-SLOT#-5-L2FMC_VLAN_AGE_CONFIG_FAIL: VLAN Age configuration to [dec] seconds failed!`

Explanation   L2FMC failed to configure age for VLAN [dec] to [dec] seconds.

Recommended Action   No action is required.

L2FMC-SLOT#-6

Message `L2FMC-SLOT#-6-L2FMC_GLBL_AGE_CONFIGURED: Global age value configured to [dec] seconds.`

Explanation   L2FMC has successfully configured global default age to [dec] seconds.

Recommended Action   No action is required.

Message `L2FMC-SLOT#-6-L2FMC_INITIALIZED: Internal state created [chars]`

Explanation   L2FMC has created its internal state stateless/stateful [chars].

Recommended Action   No action is required.

Message `L2FMC-SLOT#-6-L2FMC_VDC_CREATED: VDC [dec] created`

Explanation   Request to create VDC [dec] in L2FMC was successful.

Recommended Action   No action is required.

Message `L2FMC-SLOT#-6-L2FMC_VDC_REMOVED: VDC [dec] Removed`

Explanation   L2FMC has successfully removed VDC [dec] from its databases.

Recommended Action   No action is required.

Message `L2FMC-SLOT#-6-L2FMC_VDC_VLAN_CREATED: VLAN [dec] created`

Explanation   L2FMC has added VLAN [dec].

Recommended Action   No action is required.

Message `L2FMC-SLOT#-6-L2FMC_VDC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]`

Explanation   L2FMC has successfully removed VLAN [dec] from VDC [dec].

Recommended Action   No action is required.

Message `L2FMC-SLOT#-6-L2FMC_VLAN_AGE_CONFIGURED: Age configured for VLAN [dec] to [dec] seconds.`

Explanation   L2FMC has successfully configured age for VLAN [dec] to [dec] seconds.

Recommended Action   No action is required.

L2FM Messages

This section contains the L2FM messages.

L2FM-0

Message `L2FM-0-L2FM_CLI_INITIALIZATION_FAILED: CLI library initialization failed!`

Explanation   Failed to initialize CLI infrastructure's backend library. This is a fatal error.

Recommended Action   No action is required.

Message `L2FM-0-L2FM_VDC_GWMAC_GET_FAILED: Failed to get gwmac for VDC`

Explanation   Failed to get gwmac for VDC.

Recommended Action   No action is required.

Message `L2FM-0-L2FM_WRITE_TO_PSS_FAILED_IN_PREVIOUS_INCARNATION: PSS Write Failed in previous incarnation. Stateful restart not possible`

Explanation   PSS Write Failed in previous incarnation. Stateful restart not possible

Recommended Action   No action is required.

L2FM-1

Message L2FM-1-L2FM_CRDCFG_ERROR: L2fm queried Card config for slot info and it has returned error. The slot may not have been added correctly

Explanation   No action is required.

Recommended Action   L2fm

Message L2FM-1-L2FM_LINE_FULL_CONDITION_STRING: Unable to insert the MAC as hardware lines are full

Explanation   No action is required.

Recommended Action   L2fm

Message L2FM-1-L2FM_LINE_FULL_CONDITION: Unable to insert the MAC as hardware lines are full

Explanation   No action is required.

Recommended Action   L2fm

Message L2FM-1-L2FM_ORIB_SENDS_INCORRECT_IFIDX: Incorrect ifidx received from Orib. Please check mac [chars] vlan [dec]

Explanation   L2fm has received a mac insert/delete from Orib with incorrect ifidx. Please check otv mac entries.

Recommended Action   No action is required.

Message L2FM-1-L2FM_OWNER_NOT_FOUND: Error: fe owner not found for mac entry [chars] in age not if sent from slot = [dec], fe = [dec]

Explanation   L2fm has received an age notification from the linecard but does not have the mac owner in its database

Recommended Action   No action is required.

Message L2FM-1-L2FM_SDB_NOT_FLUSHED: Error: [dec] mac entries have not flushed from l2fm sdb

Explanation   Due to an internal error l2fm has not written mac entries to its sdb

Recommended Action   No action is required.

Message `L2FM-1-L2FM_SMAC_DUP_FOUND: Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]`

Explanation   Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]

Recommended Action   No action is required.

Message `L2FM-1-L2FM_WRITE_TO_PSS_FAILED: Failed to write to PSS err [chars]`

Explanation   Failed to write to PSS err [chars]

Recommended Action   No action is required.

L2FM-2

Message `L2FM-2-L2FM_AGING_TIME_SET_FAILED: Failed to set age time [dec] for vlan [dec]`

Explanation   Failed to set age time [dec] for vlan [dec].

Recommended Action   No action is required.

Message `L2FM-2-L2FM_CFS_OUT_OF_ORDER: Error: Received Message for STATIC MAC INSERT/DELETE as Out Of Order from vpc peer due to congestion. Please check mac programming for Router macs.Flap interface-vlans if necessary to correct the programming`

Explanation   Messages over peer-link could be received out of order due to congestion

Recommended Action   No action is required.

Message `L2FM-2-L2FM_GLBL_AGING_TIME_SET_FAILED: Failed to set global age time [dec]`

Explanation   Failed to set global age time [dec]

Recommended Action   No action is required.

Message `L2FM-2-L2FM_SMAC_INS_FAILED: Failed to insert static mac for VLAN:[dec] MAC:[chars] IfIndex:[hex] Slot:[dec]`

Explanation   No action is required.

Recommended Action   L2fm

Message `L2FM-2-L2FM_UPDATE_LOST_HINTS: mac [hex]:[hex]:[hex]:[hex]:[hex]:[hex]` `updated by slot [dec] fe_index [dec], from [hex] to [hex], with [hex] new hints` `and loosing%08 old_hints. stack trace: [chars]`

Explanation   An update from MTM looks inconsistent with the previous state

Recommended Action   No action is required.

Message `L2FM-2-L2FM_CONTINUOUS_MAC_MOVE: Mac Address [chars] in Vlan[dec] is` `moving continuously`

Explanation   Mac address in VLAN is moving continuously

Recommended Action   Enable sev 4 L2FM syslog. Check L2FM-4-L2FM_MAC_MOVE to figure out between which ports the mac is moving.

L2FM-4

Message `L2FM-4-L2FM_MAC_MOVE: Mac [chars] in vlan [dec] has moved from [chars] to` `[chars]`

Explanation   Mac [string] in vlan [dec] has moved from [string] to [string]

Recommended Action   No action is required.

L2FM-5

Message `L2FM-5-L2FM_VLAN_MODE_CHANGE_TO_NON_CONV: Vlan [dec] has been internally` `changed to non conversational mode on SVI CREATE`

Explanation   Change vlan learning mode to non conversational mode on SVI CREATE

Recommended Action   No action is required.

Message `L2FM-5-L2FM_VLAN_MODE_REVERTED_BACK: Vlan [dec] has been internally` `changed to user configured learning mode on SVI DELETE. Mac entries installed` `non-optimally due to SVI up will get removed from all FEs once ages out`

Explanation   Change vlan learning mode to user configured value on SVI DELETE

Recommended Action   No action is required.

L2FM-6

Message `L2FM-6-L2FM_DYN_MAC_INS_FAILED: Dynamic mac insertion failure!fail_cnt:` `[dec] Slot:[dec]`

Explanation   Failed to insert dynamic macs fail_cnt:[dec] for Slot:[Slot]

Recommended Action   No action is required.

Message `L2FM-6-L2FM_MTS_SEND_FAILED: Failed to send MTS message errno [hex] opcode` `[dec]`

Explanation   No action is required.

Recommended Action   L2fm

L2MCAST Messages

This section contains the L2MCAST messages.

L2MCAST-SLOT#-0

Message `L2MCAST-SLOT#-0-L2MCAST_CLI_INIT_FAILED: CLI library initialization` `failed!`

Explanation   L2MCAST failed to initialize CLI infrastructure's backend library. This is a fatal error.

Recommended Action   No action is required.

Message `L2MCAST-SLOT#-0-L2MCAST_TIMER_INIT_FAILED: Timer subsystem initialization` `failed!`

Explanation   L2MCAST failed to initialize timer library. This is a fatal error.

Recommended Action   No action is required.

L2MCAST-SLOT#-2

Message `L2MCAST-SLOT#-2-L2MCAST_MAC_FULL_LC: Failed to insert entry in MAC table` `for FE [dec] swidx [dec] ([hex]) with err ([chars]). To avoid possible multicast` `traffic loss, disable OMF. Use the configuration CLI: "no ip igmp snooping` `optimise-multicast-flood"`

Explanation   Failed to program the MAC table. MAC table line full for this entry

Recommended Action   No action is required.

Message `L2MCAST-SLOT#-2-L2MCAST_VLAN_NOT_FOUND: VLAN [dec] not found in L2MCAST database!`

Explanation   L2MCAST failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

Recommended Action   No action is required.

Message `L2MCAST-SLOT#-2-L2MCAST: Memory allocation failed. [chars]`

Explanation   Memory allocation failed. This is a critical failure

Recommended Action   No action is required.

L2MCAST-SLOT#-3

Message `L2MCAST-SLOT#-3-L2MCAST_HW_INSTALL_FAIL: Hw install failed for vlan [dec] ([dec], [chars], [chars]) entry!`

Explanation   L2MCAST failed to insert bd, g, s entry in hardware. Igmp snooping may not be effective on vlan for that group and source

Recommended Action   No action is required.

L2MCAST-SLOT#-6

Message `L2MCAST-SLOT#-6-L2MCAST_HW_INSTALL_FAIL: Hw install failed for vlan [dec] ([dec], [chars], [chars]) entry!`

Explanation   L2MCAST failed to insert bd,g,s entry in hardware. Igmp snooping may not be effective on vlan for that group and source

Recommended Action   No action is required.

Message `L2MCAST-SLOT#-6-L2MCAST_INITIALIZED: Internal state created [chars]`

Explanation   L2MCAST has created its internal state stateless/stateful [chars].

Recommended Action   No action is required.

Message `L2MCAST-SLOT#-6-L2MCAST_VDC_CREATED: VDC [dec] created`

Explanation   Request to create VDC [dec] in L2MCAST was successful.

Recommended Action   No action is required.

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message `L2MCAST-SLOT#-6-L2MCAST_VDC_REMOVED: VDC [dec] Removed`

Explanation L2MCAST has successfully removed VDC [dec] from its databases.

Recommended Action No action is required.

Message `L2MCAST-SLOT#-6-L2MCAST_VDC_VLAN_CREATED: VLAN [dec] created`

Explanation L2MCAST has added VLAN [dec].

Recommended Action No action is required.

Message `L2MCAST-SLOT#-6-L2MCAST_VDC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]`

Explanation L2MCAST has successfully removed VLAN [dec] from VDC [dec].

Recommended Action No action is required.

L3VM Messages

This section contains the L3VM messages.

L3VM-5

Message `L3VM-5-FP_TPG_CREATE: Fabricpath topology [dec] created`

Explanation FP-Topology created

Recommended Action No action is required.

Message `L3VM-5-FP_TPG_DELETE: Fabricpath topology [dec] deleted`

Explanation FP-Topology deleted

Recommended Action No action is required.

Message `L3VM-5-FP_TPG_INTF_DOWN: Interface [chars] down in fabricpath topology [dec] [chars]`

Explanation Interface in a FP-Topology went down

Recommended Action No action is required.

Message `L3VM-5-FP_TPG_INTF_UP: Interface [chars] up in fabricpath topology [dec]`

Explanation   Interface in a FP-Topology is up

Recommended Action   No action is required.

LACP Messages

This section contains the LACP messages.

LACP-3

Message `LACP-3-GENERAL_ERROR: [chars]`

Explanation   General error

Recommended Action   No action is required.

Message `LACP-3-LACP_SUSPEND_HALF_DUPLEX_PORT: Port [chars] is in half duplex mode. suspend port`

Explanation   LACP is not supported in half duplex mode. Suspend port

Recommended Action   No action is required.

Message `LACP-3-LACP_SUSPEND_MINLINK: LACP port [chars] of port-channel [chars] is suspended as min-link requirement not met.`

Explanation   LACP suspend ports due to min-link

Recommended Action   No action is required.

Message `LACP-3-LACP_UPGRADE_READY_FAILED: Upgrade ready failed.`

Explanation   Upgrade ready event failed because at least one port channel member is in intermediate state.

Recommended Action   No action is required.

Message `LACP-3-PACKET_TRANSMIT_ERR: [chars]: Could not send LACP packet err=[dec]`

Explanation   There was an error in sending LACP packet

Recommended Action   No action is required.

Message `LACP-3-SYN_COLL_DIS_EN: [chars] [[chars]]: SYNC, COLLECT and DISTRIBUTE flags enabled too early by partner`

Explanation Potential interop issue. Partner system seems to have enabled sync as well collecting or distributing flags too early even before actor has selected an aggregation

Recommended Action No action is required.

Message `LACP-3-SYSTEM_MAC_ERR: [chars]: Could not get system mac [[chars]]`

Explanation There was an error in acquiring system mac from VDC Mgr

Recommended Action No action is required.

LACP-4

Message `LACP-4-LACP_LOG_PARTNER_PDU_MISS`

Explanation LACP port missed receiving PDU from the peer port

Recommended Action No action is required.

Message `LACP-4-LACP_LOG_PARTNER_REPORTING_PDU_MISS`

Explanation LACP port detects that the peer port missed getting PDU from the LACP port

Recommended Action No action is required.

Message `LACP-4-LACP_LOG_PDU_TX_DELAY`

Explanation LACP port shows delay in transmitting PDU

Recommended Action No action is required.

LACP-5

Message `LACP-5-LACP_DISABLED: LACP Disabled`

Explanation LACP Service Disabled

Recommended Action No action is required.

Message `LACP-5-LACP_DOES_NOT_MEET_MINLINK_REQ: LACP port-channel [chars] is brought down as min-link requirement not met.`

Explanation LACP port-channel down as min-link requirement not met

Recommended Action No action is required.

Message LACP-5-LACP_ENABLED: LACP Enabled

Explanation   LACP Service Enabled

Recommended Action   No action is required.

Message LACP-5-LACP_MEETS_MINLINK_REQ: LACP port-channel [chars] meets min-link requirement. Reint port-channel

Explanation   LACP port-channel meets min-link requirement

Recommended Action   No action is required.

Message LACP-5-LACP_REMOTE_NOTIFY_SUCCESS: Remote notify event.

Explanation   Remote notify event was successful.

Recommended Action   No action is required.

Message LACP-5-LACP_SUSPEND_INDIVIDUAL: LACP port [chars] of port-channel [chars] not receiving any LACP BPDUs suspending (individual) port

Explanation   LACP suspend individual ports

Recommended Action   No action is required.

Message LACP-5-LACP_UPGRADE_READY_SUCCESS: Upgrade ready successful.

Explanation   Upgrade ready event is successful as all port channel members are in steady state.

Recommended Action   No action is required.

Message LACP-5-PORT_PRIORITY_CHANGED: [chars]: LACP port priority changed from [dec] to [dec]

Explanation   LACP port priority has been changed

Recommended Action   No action is required.

Message LACP-5-SYSTEM_PRIORITY_CHANGED: LACP system priority changed from [hex] to [hex]

Explanation   LACP system priority has been changed

Recommended Action   No action is required.

LC-FCFWD Messages

This section contains the LC-FCFWD messages.

LC-FCFWD-3

Message `LC-FCFWD-3-ERROR: [chars]`

Explanation   Lc_fcfwd encountered an error

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LC-QOS Messages

This section contains the LC-QOS messages.

LC-QOS-3

Message `LC-QOS-3-ERROR: [chars]`

Explanation   Lc_qos_mgr encountered an error

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LC-SPAN Messages

This section contains the LC-SPAN messages.

LC-SPAN-3

Message `LC-SPAN-3-ERROR: [chars]`

Explanation   Lc_span_mgr encountered an error

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LC_CFG Messages

This section contains the L2_CFG messages.

LC_CFG-SLOT#-2

Message `LC_CFG-SLOT#-2-LC2_CPU_ERRORS: [chars], Total IC [dec], DC [dec], Tag [dec], MBit [dec], SBit [dec], I30 [dec]`

Explanation   LC CPU Cache errors.

Recommended Action   No action is required.

Message `LC_CFG-SLOT#-2-LC_CFG_ABORT: registration aborted with code [dec]`

Explanation   Process lc_cfg_mgr aborted registration

Recommended Action   No action is required.

Message `LC_CFG-SLOT#-2-LC_CFG_EXITED: exited with code [dec]`

Explanation   Process lc_cfg_mgr exited

Recommended Action   No action is required.

LC_MNT_MGR Messages

This section contains the LC_MNT_MGR messages.

LC_MNT_MGR-SLOT#-2

Message `LC_MNT_MGR-SLOT#-2-LC_MNT_MGR_ERROR: [chars]`

Explanation   Lc_mnt_mgr syslog message

Recommended Action   No action is required.

LC_PORT_CHANNEL Messages

This section contains the LC_PORT_CHANNEL messages.

LC_PORT_CHANNEL-SLOT#-0

Message `LC_PORT_CHANNEL-SLOT#-0-HW_FAILURE: fatal error in configureing [chars]: [chars]`

Explanation   Fatal hardware error in port-channel configuration

Recommended Action   Reset the module

Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message `LC_PORT_CHANNEL-SLOT#-0-IDX_FULL: D_IDX table full (current [dec], new [dec], total [dec])`

Explanation   Programming error in port-channel configuration

Recommended Action   Reset the module

LC_PORT_CHANNEL-SLOT#-1

Message `LC_PORT_CHANNEL-SLOT#-1-MALLOC_FAILED: cannot allocate memory (size [dec])`

Explanation   No enough memory

Recommended Action   No action is required.

LC_PORT_CHANNEL-SLOT#-3

Message `LC_PORT_CHANNEL-SLOT#-3-LC_PORT_CHANNEL_ERROR: [chars]`

Explanation   General error

Recommended Action   No action is required.

Message `LC_PORT_CHANNEL-SLOT#-3-LC_PORT_CHANNEL_IDXMAP_FAILURE: could not lookup port index for interface [chars]`

Explanation   Could not look up port index

Recommended Action   No action is required.

LC_PORT_MGR Messages

This section contains the LC_PORT_MGR messages.

LC_PORT_MGR-SLOT#-2

Message `LC_PORT_MGR-SLOT#-2-LC_MTS_ERROR: An MTS error has occurred in ([chars]) with the following conditions: opc=[dec] ssap=[hex] dsap=[hex] syserr=[hex]`

Explanation   This is a software error in message communication between two applications.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LC_RDL Messages

This section contains the LC_RDL messages.

LC_RDL-3

Message LC_RDL-3-SYSLOG_ALLOC_FAIL:: [chars]

Explanation RDL malloc failed: [chars]

Recommended Action No action is required.

Message LC_RDL-3-SYSLOG_CONTEXT_ERR:: [chars] [dec]

Explanation RDL context error: [chars] [dec]

Recommended Action No action is required.

Message LC_RDL-3-SYSLOG_ERR: [chars]

Explanation RDL syslog errors: [chars]

Recommended Action No action is required.

Message LC_RDL-3-SYSLOG_EXIT:: [chars]

Explanation RDL exiting on errors: [chars]

Recommended Action No action is required.

Message LC_RDL-3-SYSLOG_INIT_FAIL: [chars] [chars]

Explanation RDL Init Failed: [chars] [chars]

Recommended Action No action is required.

Message LC_RDL-3-SYSLOG_MTS_ERR:: [chars]

Explanation RDL MTS errors: [chars]

Recommended Action No action is required.

Message LC_RDL-3-SYSLOG_MTS_REG_FAILED:: [dec] [dec]

Explanation RDL context error: [dec] [dec]

Recommended Action No action is required.

LC_RDL-6

Message LC_RDL-6-SYSLOG_DEBUG_1:: [chars] [hex]

Explanation RDL Debug logs: [chars] [dec]

Recommended Action No action is required.

Message LC_RDL-6-SYSLOG_DEBUG_2:: [chars] [hex]

Explanation RDL Debug logs: [chars] [dec]

Recommended Action No action is required.

Message LC_RDL-6-SYSLOG_INFO:: [chars]

Explanation RDL Debug logs: [chars]

Recommended Action No action is required.

Message LC_RDL-6-SYSLOG_RESP_RCVD:: [chars] [dec]

Explanation RDL context error: [chars] [dec]

Recommended Action No action is required.

LDAP Messages

This section contains the LDAP messages.

LDAP-2

Message LDAP-2-LDAP_PROGRAM_EXIT: LDAP daemon exiting: [chars]

Explanation LDAP daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LDAP-3

Message LDAP-3-LDAP_ERROR_MESSAGE: [chars]

Explanation LDAP Message

Recommended Action No action is required.

LDAP-5

Message LDAP-5-LDAP_MONITOR_STATUS: [chars] [chars]

Explanation   Notifying LDAP server monitor status change

Recommended Action   No action is required.

Message LDAP-5-LDAP_SERVER_STATUS: [chars] server [chars] with port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

Explanation   Notifying Lap server status change

Recommended Action   No action is required.

LDAP-6

Message LDAP-6-LDAP_MESSAGE: [chars]

Explanation   LDAP Message

Recommended Action   No action is required.

LDP Messages

LDP-5

Message LDP-5-LDP_DISABLED: LDP Disabled

Explanation   MPLS_LDP Service Disabled

Recommended Action   No action is required.

Message LDP-5-LDP_ENABLED: LDP Enabled

Explanation   MPLS_LDP Service enabled

Recommended Action   No action is required.

LED_MGR Messages

This section contains the LED_MGR messages.

LED_MGR-SLOT#-3

Message `LED_MGR-SLOT#-3-LED_MGR_EXITED: LED Manager application exited (syserr = [dec], errno = [dec])`

Explanation   LED Manager application exited

Recommended Action   No action is required.

Message   `LED_MGR-SLOT#-3-LED_MGR_SELECT_ERR: LED Manager application call to select() returned [dec], (errno = [dec])`

Explanation   LED Manager application received error from select()

Recommended Action   No action is required.

LIBBASE_SVC Messages

This section contains the LIBBASE_SVC messages.

LIBBASE_SVC-2

Message   `LIBBASE_SVC-2-IT_NEXUS_MAX_INTERFACE_LIMIT_REACHED: [chars] cannot be bound for site [chars], as the interfaces reached the maximum flow limit`

Explanation   IT Load Balancing failed

Recommended Action   No action is required.

Message   `LIBBASE_SVC-2-LOG_ERR_BASE_SVC_TOM_ABORTED: SME Cluster [chars] Message Id: [hex] aborted`

Explanation   An SME Cluster Message was aborted by the Cluster process

Recommended Action   No action is required.

LIBBASE_SVC-4

Message   `LIBBASE_SVC-4-FCR_VER2_NOT_ENABLED: FCR Version2 is not enabled. May affect flows. Please enable fc-redirect version2`

Explanation   FCR Version2 not enabled

Recommended Action   No action is required.

LIBBASE_SVC-5

Message   LIBBASE_SVC-5-FLOW_NOT_ALLOWED: Flow [chars] <-

Explanation   Flow creation failed

Recommended Action   No action is required.

Message   LIBBASE_SVC-5-IT_NEXUS_FAILURE: [chars]. [chars] bind failure. Reason: [chars]: [hex]

Explanation   IT Nexus bind failed

Recommended Action   No action is required.

Message   LIBBASE_SVC-5-IT_NEXUS_OPTIMUM_INTERFACE_LIMIT_REACHED: Interface [chars] exceeded the optimum flow limit

Explanation   Interface Flow Limit

Recommended Action   No action is required.

LIBGD Messages

This section contains the LIBGD messages.

LIBGD-2

Message   LIBGD-2-GD_ACCESS_FAILED: Guardian Failed to access reg for [chars]

Explanation   Guardian Access failed

Recommended Action   No action is required.

Message   LIBGD-2-GD_CATASTROPHIC: Guardian catastrophic failure: [chars]

Explanation   Guardian catastrophic error

Recommended Action   No action is required.

Message   LIBGD-2-GD_INTR: Guardian Interrupt occurred: [chars]

Explanation   Interrupt occurred on the Guardian

Recommended Action   No action is required.

Message   LIBGD-2-SHUTDOWN: Guardian software process exiting: [chars]

Explanation   Guardian shutting down

Recommended Action   No action is required.

LIBGD-3

Message   LIBGD-3-EN_DATA_FAILED: Guardian enable port failed for inst:[dec] port:[dec]

Explanation   Guardian Enable port failed for the guardian

Recommended Action   No action is required.

LIBGD-5

Message   LIBGD-5-STARTING: Guardian process starting

Explanation   Guardian process is being started

Recommended Action   No action is required.

LIBGD-6

Message   LIBGD-6-DIS_DATA: Guardian disable port done for inst:[dec] port:[dec]

Explanation   Disabled port successfully for guardian

Recommended Action   No action is required.

Message   LIBGD-6-EN_PORT: Guardian enable port done for inst:[dec] port:[dec]

Explanation   Enabled port for the Guardian

Recommended Action   No action is required.

Message   LIBGD-6-HW_INIT: Guardian HW initialization has been done for inst: [dec] port: [dec]

Explanation   Guardian HW initialization has been called [dec]

Recommended Action   No action is required.

LIBIFMGR Messages

This section contains the LIBIFMGR messages.

LIBIFMGR-5

Message `LIBIFMGR-5-ALL_COUNTERS_CLEARED: All interface counters cleared by user`

Explanation   All interface counters cleared by user.

Recommended Action   LOG_STD_SH_TECH_ACTION

Message `LIBIFMGR-5-INTF_COUNTERS_CLEARED: Interface [chars] counters cleared by user`

Explanation   Interface counters cleared by user.

Recommended Action   LOG_STD_SH_TECH_ACTION

LICMGR Messages

This section contains the LICMGR messages.

LICMGR-0

Message `LICMGR-0-LOG_LIC_GRACE_EXPIRED: Grace period expired for feature [chars].`

Explanation   Unlicensed feature [chars] has exceeded its grace time period. Applications using will be shut down immediately.

Recommended Action   Please install the license file to continue using the feature.

LICMGR-1

Message `LICMGR-1-LOG_LIC_LICENSE_EXPIRED: Evaluation license expired for feature [chars].`

Explanation   The named feature has exceeded its evaluation time period. Applications using the license will be shut down after a grace period.

Recommended Action   Please install the license file to continue using the feature.

Message `LICMGR-1-LOG_LIC_LICENSE_EXPIRY_WARNING_ALERT: Evaluation license for feature [chars] will expire in [dec] days.`

Explanation   Feature [chars] has very limited time for expiry. Feature will expire in [dec] days and will be shut down.

Recommended Action   Please install the license file to continue using the feature.

Message LICMGR-1-LOG_LIC_NO_LIC_ALERT: No license(s) present for feature [chars].
Application(s) running in grace-period and will be shut down in [dec] days.

Explanation Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

Recommended Action Please install the license file to continue using the feature.

LICMGR-2

Message LICMGR-2-LOG_LICAPP_EXPIRY_WARNING: Application [chars] evaluation
license [chars] expiry in [dec] days.

Explanation Application [chars1] will exceed its evaluation time period in [dec] days and will be shut down after a grace period unless a permanent license for feature [chars2] is installed.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-2-LOG_LICAPP_NO_LIC: Application [chars] running without [chars]
license, shut down in [dec] days.

Explanation Application [chars1] has not been licensed. The application will work for a grace period of [dec] days after which it will be shut down unless a license file for feature [chars2] is installed.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-2-LOG_LIC_EXIT: License manager exiting: [chars]

Explanation License manager exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-2-LOG_LIC_INVALID_SERVER_LINE: License file [chars] contains
invalid "SERVER" line. Contact TAC

Explanation Invalid SERVER line in license file.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-2-LOG_LIC_NO_LIC: No license(s) present for feature [chars].
Application(s) shut down in [dec] days.

Explanation Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-2-LOG_LIC_NVRAM_DISABLED: Licensing NVRAM is not available. Grace period will be disabled: [chars]

Explanation The Supervisor NVRAM block may have a hardware problem and may need to be replaced

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-2-LOG_LIC_VENDOR_DOWN: License file contains invalid "SERVER" line. Vendor daemon down

Explanation Vendor daemon is down

Recommended Action Licensing

LICMGR-3

Message LICMGR-3-LOG_LIC_FILE_MISSING: License file(s) missing for feature [chars].

Explanation One or more license files for feature [chars] are missing and must be reinstalled.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-3-LOG_LIC_INVALID_HOSTID: Invalid license hostid VDH=[chars] for feature [chars].

Explanation Feature [chars2] has a license with an invalid license hostid VDH=[chars1]. This can occur if a supervisor card with licensed features for one switch is installed on another switch.

Recommended Action No action is required.

Message LICMGR-3-LOG_LIC_MESSAGE_ERROR: could not handle message: [chars] of type [dec] from addr [dec]:[dec].

Explanation Could not handle a IPC message [chars] of type [dec1] sent by a component running on node [dec2] with sap [dec3].

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-3-LOG_LIC_SERVER_DOWN: License Server Down [dec]

Explanation A connection to the license server was lost.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-3-LOG_LIC_SPROM_LIC: Feature [chars] issued [dec] licenses without a valid license file.

Explanation Feature [chars] has been licensed [dec] times without a valid license file. This means one or more license files are missing for feature [chars] and must be reinstalled.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-3-LOG_LIC_TOO_MANY_LIC: Only [dec] licenses are supported for [chars] feature, where as [dec] licenses are installed.

Explanation More licenses are installed than allowed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LICMGR-4

Message LICMGR-4-LOG_LIC_LICENSE_EXPIRY_WARNING: Evaluation license for feature [chars] will expire in [dec] days.

Explanation Feature [chars] will exceed its evaluation time period in [dec] days and will be shutdown.

Recommended Action Please install the license file to continue using the feature.

LICMGR-6

Message LICMGR-6-LOG_CHECKPOINT_CREATED: created during license expiry.

Explanation When a license expires, auto checkpoint is created to prevent configuration loss.

Recommended Action Rollback can be done to the created checkpoint when a new license is installed.

Message LICMGR-6-LOG_LIC_FEATURE_CLEARED: Cleared [dec] license(s) for feature [chars].

Explanation Uninstalled [dec] license(s) for feature [chars].

Recommended Action Use the show license usage 'command to verify this license feature removal.

Message LICMGR-6-LOG_LIC_FEATURE_INSTALLED: Installed [dec] license(s) for feature [chars].

Explanation Installed [dec] license(s) for feature [chars].

Recommended Action Use the show license usage 'command to verify this license feature removal'.

Message   LICMGR-6-LOG_LIC_LICENSE_CLEARED_ALL: Cleared all licenses.

Explanation   Cleared all license files.

Recommended Action   No action is required.

Message   LICMGR-6-LOG_LIC_LICENSE_CLEARED: Cleared license file [chars].

Explanation   Uninstalled the named license file.

Recommended Action   Use the show license 'command to verify this license removal'.

Message   LICMGR-6-LOG_LIC_LICENSE_INSTALLED: Installed license file [chars].

Explanation   Installed the named license file.

Recommended Action   Use the show license 'command to verify this license removal'.

LIM Messages

This section contains the LIM messages.

LIM-2

Message LIM-2-IF_CRITICAL_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

Explanation   There was a critical failure in the component.

Recommended Action   Please follow instructions on the syslog.

Message   LIM-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled. Reason:[chars])

Explanation   The interface encountered an error while configuring it

Recommended Action   Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface or removing and re-inserting the fibre optic cable.

Message   LIM-2-IF_DOWN_LINK_FAILURE_CRIT: Interface [chars] is down (Link failure)

Explanation   The physical link has gone down

Recommended Action   Ensure that the cable is connected and the remote end is not shut down

Message   LIM-2-SEQ_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

Explanation   Some component did not respond to a request in stipulated time.

Recommended Action   None

Message   LIM-2-SYSLOG_LIM_CRITICAL: Critical failure: [chars]

Explanation   There was a critical failure in the component.

Recommended Action   Please collect system tech-support

LIM Messages

LIM-3

Message   LIM-3-IF_DOWN_CHANNEL_ERR_DISABLED: Interface [chars] is down (Channel error disabled)

Explanation   This interface belongs to a PortChannel and the PortChannel is error disabled

Recommended Action   Perform 'shut' and 'noshutdown' on the Port Channel interface that it belongs to

Message   LIM-3-IF_ERROR_VLANS_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

Explanation   The VLANs on an interface are being removed from the suspended state

Recommended Action   No action is required.

Message   LIM-3-IF_ERROR_VLANS_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

Explanation   The VLANs on an interface are being suspended due to some protocol action

Recommended Action   No action is required.

Message   LIM-3-IF_SFP_ALARM: Interface [chars], [chars]

Explanation   There was an alarm on the transceiver module

Recommended Action   Please do show interface transceiver details to obtain more information

Message   LIM-3-IF_SFP_ERROR: Interface [chars], [chars]

Explanation   There was an error on the transceiver module

Recommended Action   Please do show interface transceiver details to obtain more information

Message   LIM-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver on interface [chars] is not supported

Explanation   The transceiver for the interface specified in the Message is not a Cisco supported module

Recommended Action   Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

Message   LIM-3-IF_XCVR_ALARM: Interface [chars], [chars]

Explanation   There was an alarm on the transceiver module

Recommended Action   Please do show interface transceiver details to obtain more information

Message   LIM-3-IF_XCVR_ERROR: Interface [chars], [chars]

Explanation   There was an error on the transceiver module

Recommended Action   Please do show interface transceiver details to obtain more information

LIM Messages

LIM-4

Message   LIM-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

Explanation   The transceiver for the interface specified has not been qualified on this platform for this software release

Recommended Action   Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

Message   LIM-4-IF_SFP_WARNING: Interface [chars], [chars]

Explanation   There was an warning on the transceiver module

Recommended Action   Please do show interface transceiver details to obtain more information

Message   LIM-4-IF_XCVR_WARNING: Interface [chars], [chars]

Explanation   There was an warning on the transceiver module

Recommended Action   Please do show interface transceiver details to obtain more information

LIM Messages

LIM-5

Message   LIM-5-IF_ADMIN_UP: Interface [chars] is admin up [chars]

Explanation   Interface is admin up

Recommended Action   No action is required.

Message   LIM-5-IF_BANDWIDTH_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

Explanation   Bandwidth of the interface (port channel) has changed and this change is updated

Recommended Action   No action is required.

Message   LIM-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down)

Explanation   Interface has been configured to be administratively down

Recommended Action   Perform noshutdown"

Message   LIM-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down(Config change)

Explanation   FCIP interface temporarily down due to reconfiguration

Recommended Action   No action is required.

Message   LIM-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down)

Explanation   This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

Recommended Action   Perform 'no shutdown' on the Port Channel interface that it belongs to

Message `LIM-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress)`

> **Explanation**   The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

> **Recommended Action**   Retry the configuration again

Message `LIM-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)`

> **Explanation**   Isolated due to a failure while assigning a domain

> **Recommended Action**   No action is required.

Message `LIM-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)`

> **Explanation**   Invalid RCF received

> **Recommended Action**   No action is required.

Message `LIM-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)`

> **Explanation**   Isolated due to domain manager being disabled

> **Recommended Action**   No action is required.

Message `LIM-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)`

> **Explanation**   Remote end domain manager not responding

> **Recommended Action**   No action is required.

Message `LIM-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)`

> **Explanation**   Isolating this interface due to the remote end being isolated

> **Recommended Action**   No action is required.

Message `LIM-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)`

> **Explanation**   Isolated due to domain overlap

> **Recommended Action**   No action is required.

Message LIM-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

Explanation ELP failed on the interface

Recommended Action Check the output of 'show port internal info' in the 'ELP failure reason' field

Message LIM-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

Explanation Trunk protocol failed

Recommended Action 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

Message LIM-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

Explanation ESC failed on the interface

Recommended Action Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

Message LIM-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down(Tunnel port src interface down)

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected, the interface is administratively enabled

Message LIM-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down(Tunnel port src interface link down)

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected and the remote end is also active

Message LIM-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present)

Explanation The FCOT has been removed

Recommended Action Insert an FCOT

Message LIM-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

Explanation Fcot inserted is not a supported one

Recommended Action Please contact customer support for a list of authorized transceiver vendors

Message LIM-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure)

Explanation The modules hardware has failed

Recommended Action Collect more information about failed module using command show module internal all module

Message LIM-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

Explanation The port VSAN has been suspended or deleted

Recommended Action Assign a new active port VSAN to the interface

Message LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

Explanation The configured mode is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the list of modes supported on this interface

Message LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

Explanation The configured receive B2B credit size is not supported

Recommended Action Get the allowed receive B2B credit size from 'show port internal info'

Message LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

Explanation The configured receive buffer size is not supported

Recommended Action Get the allowed receive buffer size from 'show port internal info'

Message LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

Explanation The configured speed is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the range of speed supported on this interface

Message   LIM-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing)

Explanation   The interface is in the process of coming up

Recommended Action   If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

Message   LIM-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed)

Explanation   Interface removed

Recommended Action   No action is required.

Message   LIM-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure)

Explanation   The physical link has gone down

Recommended Action   Ensure that the cable is connected and the remote end is not shut down

Message   LIM-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure)

Explanation   Diag failed on the interface

Recommended Action   Collect more information about failed interface using command 'attach module' to connect to module

Message   LIM-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

Explanation   The interface is looped back to another interface on the same switch

Recommended Action   Check the connectivity of this interface and ensure that it is connected to another switch

Message   LIM-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed)

Explanation   Interface is down because the module was removed

Recommended Action   No action is required.

Message   LIM-5-IF_DOWN_NONE: Interface [chars] is down ([chars])

Explanation   Interface is down with a possible reason.

Recommended Action   Collect more information about port using command 'show port internal info/event-history' to determine why it went down

Message LIM-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating)

Explanation   The loop port has been put into non participating mode

Recommended Action   No action is required.

Message LIM-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline)

Explanation   The interface has been placed into the offline state

Recommended Action   No action is required.

Message LIM-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down)

Explanation   Parent interface is down

Recommended Action   No action is required.

Message LIM-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

Explanation   The FCIP peer connected to this interface closed the TCP connection

Recommended Action   This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

Message LIM-5-IF_DOWN_PEER_RESET: Interface [chars] is down(TCP conn. reset by peer)

Explanation   TCP connection to the FCIP peer got reset

Recommended Action   The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

Message LIM-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members)

Explanation   This is a PortChannel interface and all its members are operationally down

Recommended Action   Enable at least one of the PortChannel members'

Message `LIM-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)`

Explanation   Isolated due to a mismatch in the configured port VSAN of the local and remote ends

Recommended Action   Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'noshutdown"

Message `LIM-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress)`

Explanation   There is an RCF in progress

Recommended Action   No action is required.

Message `LIM-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure)`

Explanation   The software servicing the data path on the port has failed

Recommended Action   No action is required.

Message `LIM-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down(Tunnel source module not online)`

Explanation   Module that has the tunnel source port of this FCIP interface is not fully online

Recommended Action   The module that has the tunnel src port is coming online. Please use show mod to find module status

Message `LIM-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound)`

Explanation   Tunnel port source interface unbound

Recommended Action   No action is required.

Message `LIM-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down(Tunnel src port removed)`

Explanation   Tunnel source port of this FCIP interface has been removed

Recommended Action   The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

Message `LIM-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode)`

Explanation   This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

Recommended Action   Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message `LIM-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed)`

Explanation   This interface belongs to a PortChannel and operational speed mode of the interface is different from that of the PortChannel

Recommended Action   Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message `LIM-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)`

Explanation   This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

Recommended Action   Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

Message `LIM-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended)`

Explanation   This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

Recommended Action   Perform a shutdown' and a 'noshutdown'. If this happens again obtain output of show port internal info/event-history' on the interface'

Message `LIM-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)`

Explanation   TCP session to the FCIP peer got closed due to loss of TCP keep alive

Recommended Action   This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message   LIM-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

Explanation   Interface is down due to maximum retransmission failure

Recommended Action   This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message   LIM-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

Explanation   TCP session to the FCIP peer closed because TCP persist timer expired

Recommended Action   This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message   LIM-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

Explanation   Upgrade of the linecard software is in progress

Recommended Action   No action is required.

Message   LIM-5-IF_DOWN_VRF_UNUSABLE: Interface [chars] is down (Vrf down)

Explanation   The VRF for which this interface is a member is removed

Recommended Action   No action is required.

Message   LIM-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

Explanation   This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

Recommended Action   Check the VSANs configured on the local end with the remote end

Message   LIM-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

Explanation   Isolated due to a failure during zone merge

Recommended Action   No action is required.

Message `LIM-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)`

Explanation Isolated due to remote zone server not responding

Recommended Action No action is required.

Message `LIM-5-IF_DUPLEX: Interface [chars], operational duplex mode changed to [chars]`

Explanation Operational duplex mode has changed when link came up

Recommended Action No action is required.

Message `LIM-5-IF_ERRDIS_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])`

Explanation Interface is being recovered from error disabled state

Recommended Action No action is required.

Message `LIM-5-IF_HARDWARE: Interface [chars], hardware type changed to [chars]`

Explanation There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

Recommended Action No action is required.

Message `LIM-5-IF_L2MP_MODE: Interface [chars], l2mp-mode changed to [chars]`

Explanation The l2mp-mode on the port has changed

Recommended Action No action is required.

Message `LIM-5-IF_RX_FLOW_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]`

Explanation Operational receive flow control has changed when link came up

Recommended Action No action is required.

Message `LIM-5-IF_TRUNK_DOWN: Interface [chars], vlan [chars] down`

Explanation Interface [chars] is trunking, VLANs [chars] are down

Recommended Action The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

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Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

Message   LIM-5-IF_TRUNK_UP: Interface [chars], vlan [chars] up

Explanation   Interface [chars] is trunking, VLANs [chars] are up

Recommended Action   No action is required.

Message   LIM-5-IF_TX_FLOW_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

Explanation   Operational transmit flow control has changed when link came up

Recommended Action   No action is required.

Message   LIM-5-IF_UP: Interface [chars] is up [chars]

Explanation   Interface is up in mode specified, if applicable

Recommended Action   No action is required.

Message   LIM-5-SPEED: Interface [chars], operational speed changed to [chars]

Explanation   Operational speed has changed when link came up

Recommended Action   No action is required.

Message   LIM-5-STORM_CONTROL_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

Explanation   Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

Recommended Action   Identify source of traffic storm

Message   LIM-5-STORM_CONTROL_BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

Explanation   Traffic on specified port has returned to within configured storm-control threshold

Recommended Action   No action is required.

LIT Messages

This section contains the LIT messages.

LIT-6

Message `LIT-6-LIT_DEBUG_MSG: [chars]`

Explanation Debug log message

Recommended Action No action is required.

LLDP Messages

This section contains the LLDP messages.

LLDP-1

Message `LLDP-1-NO_DCBX_ACKS_RECV_FOR_LAST_10_PDUs: No Acks have been received on Interface [chars] for last [dec] DCBX PDUs`

Explanation No acknowledgment received.

Recommended Action No action is required.

LLDP-3

Message `LLDP-3-DETECT_MULTIPLE_PEERS: Multiple peers detected on [chars]`

Explanation Multiple peers detected on an interface

Recommended Action No action is required.

Message `LLDP-3-INVALID_DCBXP_RECEIVED: Received an invalid DCBXP on [chars]`

Explanation Received an invalid DCBXP on an interface

Recommended Action No action is required.

Message `LLDP-3-INVALID_LLDP_RECEIVED: Received an invalid LLDP on [chars]`

Explanation Received an invalid LLDP on an interface

Recommended Action No action is required.

Message `LLDP-3-LLDP_INTERNAL_ERROR: LLDP internal error: [chars]`

Explanation Internal error is encountered

Recommended Action No action is required.

LLDP-5

Message `LDP-5-LDP_DISABLED: LDP Disabled`

Explanation   MPLS_LDP Service Disabled

Recommended Action   No action is required.

Message `LDP-5-LDP_ENABLED: LDP Enabled`

Explanation   MPLS_LDP Service enabled

Recommended Action   Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LLDP-6

Message `LLDP-6-DETECT_REMOTE_CHANGE: Remote change detected on [chars]`

Explanation   Remote change detected on an interface

Recommended Action   No action is required.

Message `LLDP-6-DETECT_REMOTE_DCBXP_CHANGE: Remote DCBXP change detected on [chars]`

Explanation   Remote DCBXP change detected on an interface

Recommended Action   No action is required.