

DCNM-SAN Event Management

DCNM Event Management tool (EMAN) offers event management capability directly in Cisco MDS, Nexus 7000 and 5000 series switches to monitor events and take informational or corrective action as events occur, or when a threshold is reached. EMAN captures the state of the switches during critical situations helping to take immediate recovery actions and gather information to perform root-cause analysis.

An event is generated when the object matches specified values or crosses specified thresholds. When it detects an event, EMAN will parse the event for the host name, severity and then determine the host-to-application dependency by comparing the event in the host table. EMAN monitors these events to detect the severity type such as warning, critical and emergency of the events. It will also list the impacted components such as a host, ISL or a storage port. Switch health and performance threshold are the two event types that the EMAN monitor.

This Appendix contains the following sections:

- Benefits of the Event Management Tool, page B-1
- DCNM-SAN Event Management, page B-1
- DCNM-SAN Event Classification, page B-3

Benefits of the Event Management Tool

EMAN tracks resource utilization and resource depletion by monitoring events in 45000 ports and 240 switches. It also provides a mechanism to send notifications whenever the specified threshold values are exceeded by any of the components. This notification helps network administrators diagnose resource utilization issues and prioritize resources making it more scalable.

EMAN helps in addressing component issues real time by performing the following functions:

- Monitoring resource usage.
- Using resource threshold pre-sets.
- Generating alerts when resource utilization reaches the specified level.
- Provides dependency path mapping.

DCNM-SAN Event Management

This section describes how DCNM handles asynchronous transfer events from the managed switches and contains the following topics:

Events

The following are the three primary methods by which DCNM detects events:

- SNMP—The Simple Network Management Protocol v1 (SNMPv1) event detector allows an event
 to be generated when the object matches specified values or crosses specified thresholds. The Cisco
 MDS 9000 switch can contain up to 10 trap destinations. The unmanaged fabrics or switches are
 removed from the list of traps destinations.
- Syslog—DCNM-SAN receives syslog messages and are logged in the events table in the database and archived on each switch.
- Fabric Model—DCNM-SAN can function even without receiving SNMP traps from the managed switches. DCNM-SAN polls for traps every 5 minutes and does a deeper discovery every 30 minutes by default.

Purpose

Asynchronous event handling serves the following purposes:

- Model Update—DCNM-SAN design the model of the physical and logical connectivity of each fabric. Asynchronous events enables real time synchronization with the fabric. In cases such as a linkdown, this model quickly updates the event without polling the fabric. However, for major changes such as an ISL link change, this model polls the fabric to synchronize.
- Log—All the events are logged into a database. The number of events that can be logged is set to 10,000 by default. You can view this log in the Cisco DCNM-SAN Client and in Cisco DCNM Web Client. The Cisco DCNM Web Client stores all events in the database unless you do not apply any filteres. The Cisco DCNM-SAN Client log is restricted to the fabric(s) that are opened in the client's interface. The Cisco DCNM-SAN Client automatically updates the table as new events appear.
- Map—The Cisco DCNM-SAN Client's updates the map automatically when topology changes.

Forwarding

Events are forwarded in three ways:

- Cisco Call Home—The Cisco MDS 9000 series switches generates an email at the event of a critical event such as a module down etc. You can customize this email to include additional information. You can use Cisco DCNM-SAN client to configure Cisco call home feature and it has no operational dependency on Cisco DCNM.
- EMC Call Home—If you enable this feature, the Cisco DCNM server generates an EMC call home
 email at the event of a critical event such as a linkDown event etc. This email is created in XML
 format.
- Event Forwarding—You can optionally choose to send an email or SNMP traps from Cisco DCNM for any or all events that are logged into the database.

DCNM-SAN Event Classification

Port Events

Port events provides real-time information about the operational status of the host ports, storage ports, ISLs, NPV etc in your network. At the event of a fault, the Cisco DCNM EMAN generates an event or events that are rolled up into an alert. The port events are broadly classified into two as follows:

- Service Impacting—Indicates the severity of the event that impacts the service. Examples are PMON, RMON and SFP events.
- Outage—Indicates the severity of the event that impacts the functioning of the device. Exampls are link up/down and threshold events.

Event Log Format

Events log consists of parseable information that is available to higher level management applications in the following format:

```
<fabric>/<switch> <localTime> <severity> <type> <description>
```

- Fabric/Switch—The name of the fabric or the switch.
- LocalTime—The date and time of the event occurred. The time is in the following format: hh:mm:ss.ttt. The date is in the following format: MM/DD/YYYY.
- Severity—Event severity level, combination of single events, or a range of event severity levels. The severity contains one of the following.
 - Emergencies
 - Alert
 - Critical
 - Error
 - Warning
 - Notice
 - Informational
 - Debugging
- Type—Type of events.
 - Fabric
 - FICON
 - IVR
 - License
 - Other
 - Port Alarm
 - Port Up and Port Down
 - Security

- Switch Hardware
- Switch Manageability
- Threshold
- VSAN
- Zone
- Description—Description of the event in the following format:

<portType>: <name>, Port: <interface>, VSAN: <vsanId(s)>, <condition>

Event Types

IVR

Table B-1 IVR Events

Event Name	Description
civrDomainConflictNotify	
civrZoneActivationDoneNotify	
civrZoneCompactNotify	
civrZoneDeactivationDoneNotify	
civrDomainConflictNotify	
civrAfidConfigNotify	

License

Table B-2 Licence Events

Event Name	Description
clmLicenseExpiryNotify	
clmLicenseExpiryWarningNotify	
clmLicenseFileMissingNotify	
clmNoLicenseForFeatureNotify	

Port Alarm

Any RMON event that relates to an interface object.

Table B-3 Port Alarm Event

Event Name	Description
cIfXcvrMonStatusChangeNotif	

Port Up and Port Down

Model-generated events relating to Host, Storage, ISL, NP_Links

Table B-4 IVR Events

Event Name	Description	
linkup		
linkDown		
cieLinkUp		
cieLinkDown		
connUnitPortStatusChange		
fcNameServerEntryAdd		
fcNameServerEntryDelete		
fcTrunkIfDownNotify		
fcTrunkIfUpNotify		
cieDelayedLinkUpDownNotif		



Port Moved events will not be logged.

Security

Table B-5 Security Event Types

Event Name	Description	
casServerStateChange		
cfcspAuthFailTrap		
ciscoPsmFabricBindDenyNotifyNew		
ciscoEnhIpsecFlowBadSa		
ciscoEnhIpsecFlowSetupFail		
ciscoEnhIpsecFlowSysFailure		
ciscoEnhIpsecFlowTunnelStart		
ciscoEnhIpsecFlowTunnelStop		
ciscoIPsecProvCryptomapAdded		

Event Name	Description
ciscoIPsecProvCryptomapAttached	
ciscoIPsecProvCryptomapDeleted	
ciscoIPsecProvCryptomapDetached	
ciscoIkeConfigOperStateChanged	
ciscoIkeConfigPolicyAdded	
ciscoIkeConfigPolicyDeleted	
ciscoIkeConfigPskAdded	
ciscoIkeConfigPskDeleted	
ciscoIkeFlowInNewGrpRejected	
ciscoIkeFlowOutNewGrpRejected	
ciscoIpsSgCertCrlFailure	
ciscoIpsSgSysFailure	
ciscoIpsSgTunnelStart	
ciscoIpsSgTunnelStop	

Switch Hardware

Table B-6 Switch Hardware Events

Event Name	Description	
cefcFRUInserted		
cefcFRURemoved		
cefcPowerStatusChange		
cefcPowerSupplyOutputChange		
cefcFanTrapStatusChange		
cefcUnrecognizedFRU		
cefcFRUInserted		
cefcFRURemoved		
cefcUnrecognizedFRU		
entPhysicalVendorType		
entPhysicalName		
entPhysicalModelName		
cefcPhysicalStatus		
cefcPowerStatusChange		
cefcFRUPowerOperStatus		
cefcFRUPowerAdminStatus		
cefcFanTrapStatusChange		

Switch Managability

Table B-7 Switch Event Types

Event Name	Description
Switch Discovered	
Switch Rebooted	
Switch Unreachable	
Switch Manageable	
Switch Unmanageable	
Switch IP Changed	
warmStart	
coldStart	
ciscoRFProgressionNotif	
ciscoRFSwactNotif	

Threshold

Table B-8 Threshold Events

Event Name	Description
cHcRisingAlarm	
cHcFallingAlarm	
hcRisingAlarm	
hcFallingAlarm	
risingAlarm	
FallingAlarm	

VSAN

Table B-9 VSAN Events

Event Name	Description
vsanPortMembershipChange	
vsanStatusChange	

Zone

Table B-10 Zone Events

Event Name	Description
zoneActivateNotify	
zoneCompactNotify	

Event Name	Description
zoneDefZoneBehaviourChngNotify	
zoneMergeFailureNotify	
zoneMergeSuccessNotify	
zoneServiceReqRejNotify	
zone Unsupp Mem In Int Op Mode Notify	

Others

This table contains all other trap types such as ISCSI, VRRP, Cisco callhome, flex attach, FDMI, FICON, CFS, PMON config, SVC, SCSI, SNE, Core, Domain Manager, FCNS, FCOT, and UCS.

Table B-11 Other Events

Event Name	Description
cIsnsClientInitalRegistration	
cIsnsClientLostConnection	
cIsnsClientNoServerDiscovered	
cIsnsClientStart	
cIsnsServerShutdown	
cIsnsServerStart	
cVrrpNotificationNewMaster	
cVrrpNotificationProtoError	
casServerStateChange	
ccCopyCompletion	
ccmAlertGroupTypeAddedNotif	
ccmAlertGroupTypeDeletedNotif	
ccmCLIRunningConfigChanged	
ccmCTIDRolledOver	
ccmEventNotif	
ccmSmtpMsgSendFailNotif	
ccmSmtpServerFailNotif	
cfaIfVirtualWwnChangeNotify	
cfaVirtualWwnMapChangeNotify	
cfdmiRejectRegNotify	
cficonPortInfoChange	
ciscoCFSDiscoveryCompleteNotif	
ciscoCFSFeatureActionNotif	
ciscoCFSMergeFailNotif	

Event Name	Description
ciscoCFSStatPeerStatusChngNotif	
ciscoConfigManEvent	
ciscoEnhIpsecFlowBadSa	
ciscoEnhIpsecFlowSetupFail	
ciscoEnhIpsecFlowSysFailure	
ciscoEnhIpsecFlowTunnelStart	
ciscoEnhIpsecFlowTunnelStop	
ciscoExtScsiLunDiscDoneNotify	
ciscoFCCCongestionRateLimitEnd	
ciscoFCCCongestionRateLimitStart	
ciscoFCCCongestionStateChange	
ciscoFeatOpStatusChange	
ciscoFeatureOpStatusChange	
ciscoFeatureSetOpStatusChange	
ciscoFlashCopyCompletionTrap	
ciscoFlashDeviceChangeTrap	
ciscoFlashDeviceInsertedNotif	
ciscoFlashDeviceInsertedNotifRev1	
ciscoFlashDeviceRemovedNotif	
ciscoFlashDeviceRemovedNotifRev1	
ciscoFlash Misc Op Completion Trap	
ciscoFlash Partitioning Completion Trap	
ciscoIPsecProvCryptomapAdded	
ciscoIPsecProvCryptomapAttached	
cisco IP sec Prov Cryptomap Deleted	
cisco IP sec Prov Cryptomap Detached	
ciscoIkeConfigOperStateChanged	
ciscoIkeConfigPolicyAdded	
ciscoIkeConfigPolicyDeleted	
ciscoIkeConfigPskAdded	
ciscoIkeConfigPskDeleted	
ciscoIkeFlowInNewGrpRejected	
ciscol ke Flow Out New Grp Rejected	
ciscoIpsSgCertCrlFailure	
ciscoIpsSgSysFailure	
ciscoIpsSgTunnelStart	
ciscoIpsSgTunnelStop	

ciscoPmonPolicyChangeNotify ciscoPrePathHWFailureNotify ciscoPsmFabricBindDenyNotifyNew ciscoPsmFabricBindDenyNotifyNew ciscoPsmPortBindEPortDenyNotify ciscoPsmPortBindEPortDenyNotify ciscoSanBaseSvcClusterNewMaster ciscoSanBaseSvcInterfaceCreate ciscoSanBaseSvcInterfaceDelete ciscoSaillowVerifyNotify ciscoScisiFlowVataNotify ciscoScisiFlowVataNotify ciscoScisiFlowVataNotify ciscoScisiFlowVataNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotifyExtended cseHarestartNotify cseFailSwCoreNotifyExtended cseHarestartNotify cseFailSwCoreNotifyExtended cseHarestartNotify cseFailSwCoreNotify csiErrorTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmSowerPortabaseFull fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcPiraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify fcsMgmtAddrChangeNotify	Event Name	Description
ciscoPsmFabricBindDenyNotify ciscoPsmFabricBindDenyNotifyNew ciscoPsmPortBindEPortDenyNotify ciscoSsmPortBindEPortDenyNotify ciscoSanBaseSvcClusterNewMaster ciscoSanBaseSvcInterfaceCreate ciscoSanBaseSvcInterfaceDelete ciscoSsiFlowStatsNotify ciscoSsiFlowVarifyNotify ciscoSsiFlowWrAccNotify ciscoSsiFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceDelete ciscoSystemClockChanged c	ciscoPmonPolicyChangeNotify	
ciscoPsmFabricBindDenyNotifyNew ciscoPsmPortBindEPortDenyNotify ciscoPsmPortBindFPortDenyNotify ciscoSanBaseSvcClusterNewMaster ciscoSanBaseSvcInterfaceCreate ciscoSanBaseSvcInterfaceCreate ciscoSsiFlowStatsNotify ciscoScsiFlowVerifyNotify ciscoScsiFlowWrAccNotify ciscoScsiFlowWrAccNotify ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoSystemClockChanged ciscoSystemClockChanged ciscoSystatacCngNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotifyExtended cseFailSwCoreNotifyExtended cseHaRestarNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmPabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerDatabaseFull fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoPrefPathHWFailureNotify	
ciscoPsmPortBindEPortDenyNotify ciscoPsmPortBindFPortDenyNotify ciscoSanBaseSvcClusterNewMaster ciscoSanBaseSvcInterfaceCreate ciscoSanBaseSvcInterfaceDelete ciscoScisFlowStatsNotify ciscoScisFlowVerifyNotify ciscoScisFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSmeInterfaceCreate ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmPabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoPsmFabricBindDenyNotify	
ciscoPsmPortBindFPortDenyNotify ciscoSanBaseSvcClusterNewMaster ciscoSanBaseSvcInterfaceCreate ciscoSanBaseSvcInterfaceDelete ciscoScsiFlowStatsNotify ciscoScsiFlowVerifyNotify ciscoScsiFlowWrAccNotify ciscoScsiFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSymeInterfaceDelete ciscoSystemClockChanged ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerPotabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoPsmFabricBindDenyNotifyNew	
ciscoSanBaseSvcClusterNewMaster ciscoSanBaseSvcInterfaceCreate ciscoSanBaseSvcInterfaceDelete ciscoScsiFlowStatsNotify ciscoScsiFlowWrAccNotify ciscoScsiFlowWrAccNotify ciscoScsiFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChapNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fePingCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoPsmPortBindEPortDenyNotify	
ciscoSanBaseSvcInterfaceCreate ciscoSanBaseSvcInterfaceDelete ciscoScsiFlowStatsNotify ciscoScsiFlowVerifyNotify ciscoScsiFlowVrAceNotify ciscoScsiFlowWrAceNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseFailSwCoreNotifyExtended cseHaRestartNotify csiErrorTrap csiInformationTrap csiInformationTrap csiWarningTrap dmDomaindNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify feNameServerDatabaseFull feNameServerRejectRegNotify fePingCompletionNotify feTraceRouteCompletionNotify feTraceRouteCompletionNotify feCotlnserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoPsmPortBindFPortDenyNotify	
ciscoSanBaseSvcInterfaceDelete ciscoScsiFlowStatsNotify ciscoScsiFlowVerifyNotify ciscoScsiFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerPatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoSanBaseSvcClusterNewMaster	
ciscoScsiFlowVerifyNotify ciscoScsiFlowVerifyNotify ciscoScsiFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify Extended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoSanBaseSvcInterfaceCreate	
ciscoScsiFlowVerifyNotify ciscoScsiFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify feNameServerDatabaseFull feNameServerRejectRegNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoSanBaseSvcInterfaceDelete	
ciscoScsiFlowWrAccNotify ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoScsiFlowStatsNotify	
ciscoSmeClusterNewMaster ciscoSmeInterfaceCreate ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoScsiFlowVerifyNotify	
ciscoSmeInterfaceCreate ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotify cseBateStartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoScsiFlowWrAccNotify	
ciscoSmeInterfaceDelete ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotify cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcotInserted fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoSmeClusterNewMaster	
ciscoSystemClockChanged ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotify cseFailSwCoreNotify cseShutDownNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoSmeInterfaceCreate	
ciscoVshaStateChngNotify ciuUpgradeJobStatusNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoSmeInterfaceDelete	
ciuUpgradeOpCompletionNotify ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoSystemClockChanged	
ciuUpgradeOpCompletionNotify cseFailSwCoreNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciscoVshaStateChngNotify	
cseFailSwCoreNotify cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciuUpgradeJobStatusNotify	
cseFailSwCoreNotifyExtended cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	ciuUpgradeOpCompletionNotify	
cseHaRestartNotify cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	cseFailSwCoreNotify	
cseShutDownNotify csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	cseFailSwCoreNotifyExtended	
csiErrorTrap csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	cseHaRestartNotify	
csiInformationTrap csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	cseShutDownNotify	
csiWarningTrap dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	csiErrorTrap	
dmDomainIdNotAssignedNotify dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	csiInformationTrap	
dmFabricChangeNotify dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	csiWarningTrap	
dmNewPrincipalSwitchNotify fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	dm Domain Id Not Assigned Notify	
fcNameServerDatabaseFull fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	dmFabricChangeNotify	
fcNameServerRejectRegNotify fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	dmNewPrincipalSwitchNotify	
fcPingCompletionNotify fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	fcNameServerDatabaseFull	
fcTraceRouteCompletionNotify fcotInserted fcotRemoved fcsDiscoveryCompleteNotify		
fcotInserted fcotRemoved fcsDiscoveryCompleteNotify	fcPingCompletionNotify	
fcotRemoved fcsDiscoveryCompleteNotify	fcTraceRouteCompletionNotify	
fcsDiscoveryCompleteNotify	fcotInserted	
	fcotRemoved	
fcsMgmtAddrChangeNotify	fcsDiscoveryCompleteNotify	
	fcsMgmtAddrChangeNotify	

Event Name	Description
fcsReqRejNotify	
fspfNbrStateChangeNotify	
ptopoConfigChange	
qlSB2PortLinkDown	
qlSB2PortLinkUp	
rscnElsRejectReqNotify	
rscnElsRxRejectReqNotify	
rscnIlsRejectReqNotify	
rscnIlsRxRejectReqNotify	
virtualNwIfCreateEntryNotify	
virtualNwIfDeleteEntryNotify	
vlanTrunkPortDynamicStatusChange	
vrrpTrapAuthFailure	
vrrpTrapNewMaster	
vtpConfigDigestError	
vtpConfigRevNumberError	
vtpLocalModeChanged	
vtpMtuTooBig	
vtpPruningStateOperChange	
vtpServerDisabled	
vtpVersionInUseChanged	
vtpVersionOneDeviceDetected	
vtpVlanCreated	
vtpVlanDeleted	
vtpVlanRingNumberConflict	
wwnmType1WwnAvailableNotify	
wwnmType1WwnShortageNotify	
wwnmTypeOtherWwnAvailableNotify	
wwnmTypeOtherWwnShortageNotify	

DCNM-SAN Event Classification