



Processed and Pass-Through Traps, and Unidentified Traps and Events

For some SNMP traps, IP Communications Operations Manager (Operations Manager) either processes them or treats them as pass-through traps. Pass-through traps are placed into an Unidentified Trap group or *bucket*. In other words, Operations Manager displays pass-through traps in the Alert and Events display with both a device type and the event name Unidentified Trap.

The Unidentified Trap bucket is also the holding place for other unusual traps and events. These traps and events, and how Operations Manager treats them, are described in these topics:

- [Processed SNMP Traps, page B-1](#)
- [Pass-Through SNMP Unidentified Traps, page B-4](#)
- [Other Unidentified Traps and Events, page B-6](#)

Processed SNMP Traps

When Operations Manager receives certain SNMP traps, it analyzes the data found in the following fields of each SNMP trap message, and changes the property value of the object property (if required):

- Enterprise (the sysObjectID of the agent/object)
- Generic Trap Identifier
- Specific Trap Identifier
- Variable-Bindings
- IP address of the SNMP agent



Note

Use Notifications to forward *specific* traps to e-mail recipients or host machines. See [Chapter 14, “Using Notifications.”](#)

Multiple Processed SNMP Traps and the Event Details Displayed for Them

For every specific trap, Operations Manager generates one event (see [Processed SNMP Traps and Corresponding Operations Manager Events, page B-2](#)). For subsequent traps with the same specific trap identifier, but different object values, Operations Manager does nothing more until the trap clears. Operations Manager takes about ten minutes to clear an SNMP trap.

As a result, the Event Details display (accessible from the Alerts and Events display) shows the information obtained from the first trap that caused the event. For example, if the first trap contains Extension 101, and subsequent traps contain Extension 102 and Extension 103, Extension 101 continues to be displayed. Operations Manager updates this information only after clearing the trap and receiving the same specific trap from the device.

Processed SNMP Traps and Corresponding Operations Manager Events

This section lists the traps that Operations Manager processes and the event that Operations Manager generates for each trap.

Processed Standard SNMP Traps (RFC 1215)

SNMP Trap	Corresponding Operations Manager Event
Cold Start	RepeatedRestarts
Warm Start	
Link Up	Flapping
Link Down	

Processed CISCO-STACK-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
Module Up	CardDown
Module Down	

Processed CISCO-ISDN-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
demandNbrLayer2Change	OperationallyDown

Processed CISCO-SYSLOG-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
MOSviolation	ServiceQualityIssue
ProbeUnreachable	Cisco1040ProbeDown

Processed CPQHLTH-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
cpqHeThermalSystemFanFailed	FanDown
cpqHeThermalSystemFanDegraded	FanDegraded
cpqHeThermalTempFailed	TemperatureSensorDown
cpqHeThermalTempDegraded	TemperatureSensorDegraded

Processed CISCO-UNITY-EXPRESS-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
ciscoUnityExpressApplAlert	CUEApplicationStatusChange
ciscoUnityExpressStorageAlert	CUEStorageIssue
ciscoUnityExpressSecurityAlert	CUESecurityIssue
ciscoUnityExpressCallMgrAlert	CUECCMConnectionLost
ciscoUnityExpressRescExhausted	CUEResourceExhausted
ciscoUnityExpressBackupAlert	CUEBackupFailed
ciscoUnityExpressNTPAlert	CUENTPIssue

Processed CISCO-CCME-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
ccmeEphoneDeceased	CCMEEphoneDeceased
ccmeEphoneLoginFailed	CCMEEphoneLoginFailed
ccmeEphoneRegFailed	CCMEEphoneRegistrationFailed
ccmeEphoneUnRegThresholdExceed	CCMEEphoneRegistrationsExceeded
ccmeKeyEphoneRegChangeNotif	CCMEKeyEphoneRegistrationChange
ccmeLivefeedMohFailedNotif	CCMELivefeedMOHFailed
ccmeMaxConferenceNotif	CCMEMaximumConferencesExceeded
ccmeNightServiceChangeNotif	CCMENightServiceChange
ccmeStatusChangeNotif	CCMEStatusChange

Processed CISCO-SRST-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
csrstFailNotif	SRSTRouterFailure

Processed CISCO-CONTACT-CENTER-APPS-MIB Traps

SNMP Trap	Corresponding Operations Manager Event
cccaIcmEvent	IPCCNotification

Pass-Through SNMP Unidentified Traps

Pass-through traps are traps that Operations Manager receives from devices that are not in the Operations Manager inventory. These traps are shown in the Alerts and Events display because of their relevance to fault monitoring. Pass-through traps are displayed as follows:

- As one of the following events:
 - InformAlarm
 - MinorAlarm
 - MajorAlarm
- With the device type and the name Unidentified Trap.

Because Operations Manager cannot identify these traps as being sent from devices being managed by Operations Manager, they are displayed in the All Alerts view.

**Note**

Not all events that fall under Unidentified Trap are pass-through traps. See the [Other Unidentified Traps and Events, page B-6](#).

To view the actual trap in the event properties display, follow this procedure.

-
- Step 1** Locate the alert ID for the unidentified trap in the Alerts and Events display.
 - Step 2** Click the alert ID corresponding to the unidentified trap. The Alert Details page appears.
 - Step 3** Click the event ID. The event properties page appears, displaying information about the pass-through trap.
-

Operations Manager treats the following traps as pass-through traps.

Pass-Through Standard SNMP Traps (RFC 1215)

- Authentication Failure

Pass-Through CISCO-STACK-MIB Traps

- IerAlarmOn
- IerAlarmOff
- ipPermitDeniedTrap
- sysConfigChangeTrap

Pass-Through STP Traps

- STPnewRoot
- STPtopologyChange

Pass-Through Repeater MIB Traps

- rptrHealth
- rptrGroupChange
- rptrResetEvent

Pass-Through CISCO-RHINO-MIB Traps

- ciscoLS1010ChassisFailureNotification
- ciscoLS1010ChassisChangeNotification

Pass-Through CISCO-VTP-MIB Traps

- vtpConfigRevNumberErro
- rvtpConfigDigestError
- vtpServerDisabled
- vtpMtuTooBig
- vtpVlanRingNumberConfigConflict
- vtpVersionOneDeviceDetected
- vlanTrunkPortDynamicStatusChange

Pass-Through CISCO-ENVMON-MIB Traps

- ciscoEnvMonShutdownNotification

Pass-Through CISCO-VLAN-MEMBERSHIP-MIB Traps

- vmVmpsChange

Pass-Through CISCO-ACCESS-ENVMON-MIB Traps

- caemTemperatureNotification
- caemVoltageNotification

Pass-Through CISCO-CONFIG-MAN-MIB Traps

- ciscoConfigManEvent

Pass-Through CISCO-ENTITY-FRU-CONTROL-MIB Traps

- cevFan15540FTMP
- cevPortTransparent
- cevPortWave

Pass-Through CISCO-VOICE-APPS-MIB Traps

- cvaModuleStart
- cvaModuleStop
- cvaProcessStart
- cvaProcessStop
- cvaModuleRunTimeFailure

Pass-Through CISCO-CCM-MIB Traps

- ccmGatewayFailed
- ccmMediaResourceListExhausted
- ccmCallManagerFailed
- ccmGatewayLayer2Change

Pass-Through UMSEVENT-MIB Traps

- iBMPSGFanEventBindings
- iBMPSGTemperatureEventBindings
- iBMPSGVoltageEventBindings

Other Unidentified Traps and Events

The Unidentified Trap bucket may contain nonpass-through traps, along with other unexpected Operations Manager events. This can happen under the following circumstances:

- When an event occurs on a device that is being discovered by Operations Manager.
- When an event occurs on a device that Operations Manager does not monitor, such as the Cisco 1040 Sensor.
- When Operations Manager encounters problems in its operation.
- When the Operations Manager server is busy, and synthetic tests cannot run. (The SyntheticTestNotRun event is displayed as an Unidentified Trap because it does not relate to a specific device.)