



# Cisco EPM Notification MIB

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## Cisco EPM Notification MIB

This table provides the mapping of event fields to the alarm model in CISCO-EPM-NOTIFICATION-MIB.



**Note** Some of the values in this table may appear truncated in a PDF. Refer to the HTML version of this content for a clearer view of the values.

**Table 1: Cisco-EPM-Notification-MIB**

Event Field	Snmpvarbind	OID	Description
TimeStamp	cenAlarmTimestamp	1.3.6.1.4.1.99.311.1.1.2.1.3	The time when the event was raised. Example: 1639759929
AlarmId	cenAlarmInstanceID	1.3.6.1.4.1.99.311.1.1.2.1.5	The unique alarm instance ID. Example: 57e3ef70-1597
Type	cenAlarmType	1.3.6.1.4.1.99.311.1.1.2.1.8	Type of event Example : 2001
Category	cenAlarmCategory	1.3.6.1.4.9.9.311.1.1.2.1.9	The category of the event generated represented in an integer value. <i>System = 3, Network = 7, Audit = 13; Security = 4, External = 1</i> Example: 3

Event Field	Snmpvarbind	OID	Description
Category Definition	cenAlarmCategoryDefinition	1.3.6.1.4.9.9.311.1.1.2.1.10	The short description of the category of the event. The format is '<integer, eventCategory description>'.  Example: 3, System
Address Type	cenAlarmServerAddressType	1.3.6.1.4.9.9.311.1.1.2.1.11	The type of internet address of the CW alarm centre (VIP).  Example: 1:ipv4, 2:ipv6
Address	cenAlarmServerAddress	1.3.6.1.4.9.9.311.1.1.2.1.12	The IP Address of the CW alarm centre (VIP).  Example: 10.127.101.145
OriginAppId	cenAlarmManagedObjectClass	1.3.6.1.4.1.9.9.311.1.1.2.1.13	This attribute contains the OriginAppId of the application which generated the event.  Example: DLM
Description	cenAlarmDescription	1.3.6.1.4.9.9.311.1.1.2.1.16	A detailed description of the event.  Example:Reachability request did not receive any response from CDG
Severity	cenAlarmSeverity	1.3.6.1.4.9.9.311.1.1.2.1.17	The alarm severity indicates the severity of the event in an integer value.  Critical=2; Major=3; Warning=4; Minor=5, Info=6, Clear=7  Example: 5
Severity definition	cenAlarmSeverityDefinition	1.3.6.1.4.9.9.311.1.1.2.1.18	The short description of the severity of the event. The string uses the format '<integer, eventSeverity description>'.  Example: 3, Major
ObjectDescription, ObjectId	cenUserMessage1	1.3.6.1.4.1.9.9.311.1.1.2.1.21	Information about the event ObjectDescription, ObjectId. The string uses the format '<ObjectDescription=xx, ObjectId=xx>'.  Example: ObjectDescription=Node<xrvr9k>, ObjectId=NodeData [4a16368]
OriginServiceId	cenUserMessage2	1.3.6.1.4.1.9.9.311.1.1.2.1.22	Information about the event OriginServiceId.  Example: 0

Event Field	Snmpvarbind	OID	Description
EventId	cenAlertID	1.3.6.1.4.9.9.311.1.1.2.1.29	This attribute will contain the event ID of the generated event.  Example: 9f19e5a9-a64c
cenAlarmVersion	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.2	The release version of this MIB.  Example: 1.0
Timestamp	cenAlarmTimestamp	1.3.6.1.4.9.9.311.1.1.2.1.3	The time when the alarm or event was raised.  Note: This is the number of seconds since January 1st 1970 (since epoch) in UTC  Example: 1523608787
Timestamp	cenAlarmUpdatedTimestamp	1.3.6.1.4.9.9.311.1.1.2.1.4	Alarms or events persist over time, and the value updates automatically when field(s) change. The updated time denotes a time. Each alarm is identified by the unique alarm instance ID.  For example, cenAlarmInstanceID
cenAlarmInstanceID	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.5	The Unique Alarm Instance ID.  Example: c2afd3c1-d4e5-46db-84b2-86d0d43f2056
cenAlarmStatus	Integer	1.3.6.1.4.9.9.311.1.1.2.1.6	The alarm status indicates the status of the alarm in integer value.  Example: Active=2, Cleared=3
cenAlarmStatus Definition	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.7	The short description of the status of the alarm. The string consists of comma-separated tuples.  The value is the same value that the 'cenAlarmStatus' attribute holds. Contains one line description of the alarm status generated.  Example: 2, ACTIVE 3, CLEARED

Event Field	Snmpvarbind	OID	Description
cenAlarmType	Integer	1.3.6.1.4.9.9.311.1.1.2.1.8	<ul style="list-style-type: none"> <li>unknown(1)—When the value for this attribute could not be determined.</li> <li>direct(2)— Denotes an alarm generated by a set of events where all events are reported by an observation(s) of a managed object.</li> <li>indirect(3)—Denotes an alarm generated by a set of events where all events were deduced or inferred by the status of managed objects as determined by the network management system.</li> <li>mixed(4)—Denotes an alarm generated by a set of events which were either direct or indirect.</li> </ul> <p>Example: 2</p>
cenAlarmCategory	Integer	1.3.6.1.4.9.9.311.1.1.2.1.9	<p>The category of the alarm or event generated represented in integer value.</p> <p>Note: This integer field is not used in Crosswork Network Controller. Use cenAlarmCategoryDefinition instead, which is a string.</p>
cenAlarmCategory Definition	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.10	<p>The short description of the alarm or event's category. The string consists of comma-separated tuples. The value is the same value that the 'cenAlarmCategory' attribute holds. Contains one line description of the alarm category generated. For a list of alarm types, refer <a href="#">Alarms and Events</a>.</p> <p>Example: "LINK_DOWN", "SWT_AUTH_FAIL", "LINK_UP"</p>

Event Field	Snmpvarbind	OID	Description
cenAlarmServerAddressType	InetAddressType	1.3.6.1.4.9.9.311.1.1.2.1.11	<p>The type of Internet address by which the server is reachable.</p> <p>The server is the server that is generating this trap.</p> <p>Example:</p> <p>0: unknown</p> <p>1: ipv4</p> <p>2: ipv6</p>
cenAlarmServerAddress	InetAddress	1.3.6.1.4.9.9.311.1.1.2.1.12	<p>The IP Address or the DNS name of the Management Server that raised this alarm will be notified.</p> <p>Example: 10.127.101.145</p>
cenAlarmManagedObjectClass	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.13	<p>The class of the managed object for which this alarm or event was generated such as router or switch.</p> <p>For a list of alarm types, refer <a href="#">Alarms and Events</a>.</p> <p>Example: "Optical", "Carrier Ethernet"</p>
cenAlarmManagedObjectAddressType	InetAddressType	1.3.6.1.4.9.9.311.1.1.2.1.14	<p>The type of Internet address by which the managed object is reachable.</p> <p>Example:</p> <p>0: unknown</p> <p>1: ipv4</p> <p>2: ipv6</p>
cenAlarmManagedObjectAddress	InetAddress	1.3.6.1.4.9.9.311.1.1.2.1.15	<p>The IP Address or the DNS name of the Managed Object.</p> <p>Example: 2405:200:204:138:172:30:9:121</p>
cenAlarmDescription	OctetString	1.3.6.1.4.9.9.311.1.1.2.1.16	<p>A detailed description of the alarm or event.</p> <p>Example:</p> <p>Port 'GigabitEthernet0/0/6' (Description: '# TO GigabitEthernet0/0/7 #' is down on device '2405:200:204:138:172:30:9:121'. :Lost Carrier</p>

Event Field	Snmpvarbind	OID	Description
cenAlarmSeverity	Integer	1.3.6.1.4.9.9.311.1.1.2.1.17	<p>The alarm severity indicates the severity of the alarm in integer value.</p> <ul style="list-style-type: none"> <li>• 1—Critical</li> <li>• 2—Major</li> <li>• 3—Minor</li> <li>• 4—Warning</li> <li>• 5—Clear</li> <li>• 6—Info</li> </ul>
cenAlarmSeverity Definition	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.18	<p>The short description of the severity of the alarm generated. The string consists of comma-separated tuples. The value is the same value that the 'cenAlarmSeverity' attribute holds.</p> <p>Contains one line description of the alarm severity generated.</p> <ul style="list-style-type: none"> <li>• 1—Critical</li> <li>• 2—Major</li> <li>• 3—Minor</li> <li>• 4—Warning</li> <li>• 5—Clear</li> <li>• 6—Info</li> </ul>
cenAlarmTriageValue	Integer	1.3.6.1.4.9.9.311.1.1.2.1.19	<p>The triage value of an alarm is a hierarchical weighting value (applied by the application, and more importantly customizable by the end user) to allow an artificial form of evaluating impact, interest, or other user-determined functions between alarms. The value is a positive number or zero, which denotes an undetermined or uncomputable value.</p> <p>Note: Crosswork Network Controller does not support this field.</p>
cenEventIDList	OctetString	1.3.6.1.4.9.9.311.1.1.2.1.20	<p>Comma separated list of the unique event identifiers that led to the generation of this Alarm.</p> <p>Note: Crosswork Network Controller does not support this field.</p>

Event Field	Snmpvarbind	OID	Description
cenUserMessage1	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.21	<p>User input message. Information about the alarm including whether the alarm/event is a root cause alarm or a service - impacting alarm.</p> <p>srcObjectDisplayName= GigabitEthernet0/0/0/18, rootCauseId=0, hostName=ASR9001 156.156.cisco, serviceImpacting=0, applicationSpecificAlarmID=LINK_DOWN:10.127.101.156: If: GigabitEthernet0/0/0/18##SubAlarm@@_7, correlationType=UNKNOWN, srcObjectBusinessKey=4c2b8aa7 [1589721133_10.127.101.156, GigabitEthernet0/0/0/18 chassisId = 0. srcObjectDisplayName refers to the Location in UI. chassisId refers to Satellite Id.</p> <p>If any of the above information is not populated, then corresponding value is not sent to NBI.</p>
cenUserMessage2	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.22	<p>User input message. This value can be configured.</p> <p>Note: Crosswork Network Controller does not support this field.</p>
cenUserMessage3	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.23	<p>User input message. This value can be configured.</p> <p>Note: Crosswork Network Controller does not support this field.</p>

Event Field	Snmpvarbind	OID	Description
cenAlarmMode	Integer	1.3.6.1.4.9.9.311.1.1.2.1.24	<ul style="list-style-type: none"> <li>unknown(1) —When the value for this attribute could not be determined</li> <li>alert(2) — Denotes an alarm generated by a set of events where all events are reported by polling of managed objects and/or listening to SNMP notifications</li> <li>event(3) — Denotes an event generated by polling of managed objects and/or listening to SNMP notifications</li> </ul> <p>Example: 2</p>
cenPartitionNumber	Integer	1.3.6.1.4.9.9.311.1.1.2.1.24	<p>In traps generated by the management application that support multiple partitions, the attribute will carry the integer value assigned to identify the logical group where the managed device resides.</p> <p>Note: Crosswork Network Controller does not support this field.</p>
cenPartitionName	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.26	<p>In traps generated by the management application that support multiple partitions, the attribute will carry the name assigned to identify the logical group where the managed device resides.</p>
cenCustomerIdentification	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.27	<p>User input message. The attribute takes in a free format text. This attribute can be used by advanced management applications to sort responses from the fault management server.</p> <p>Note: Crosswork Network Controller does not support this field.</p>
cenCustomerRevision	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.28	<p>User input message. The attribute takes in a free format text. This attribute can be used by advanced management applications to sort responses from the fault management server.</p> <p>Note: Crosswork Network Controller does not support this field.</p>

Event Field	Snmpvarbind	OID	Description
cenAlertID	SnmpAdminString	1.3.6.1.4.9.9.311.1.1.2.1.29	<p>In event based notification, this attribute will contain the alert ID to which the generated event has been rolled upto. In alert based notification, the cenAlarmInstanceId and cenAlertID will be identical.</p> <p>Example:1185098114</p>

