



Cisco EPM Notification MIB

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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	Snmplib	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	1.3.6.1.4.1.99.311.1.1.2.1.13	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	1.3.6.1.4.1.99.311.1.1.2.1.21	Information about the event ObjectDescription, ObjectId. The string uses the format '<ObjectDescription=xx, ObjectId=xx>'. Example: ObjectDescription=Node<xrvr9k>, ObjectId= NodeData [4a16368]
OriginServiceId	cenUserMessage2	1.3.6.1.4.1.99.311.1.1.2.1.22	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"> unknown(1) —When the value for this attribute could not be determined. direct(2)— Denotes an alarm generated by a set of events where all events are reported by an observation(s) of a managed object. 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. mixed(4)—Denotes an alarm generated by a set of events which were either direct or indirect. <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 Alarms and Events.</p> <p>Example: "LINK_DOWN", "SWT_AUTH_FAIL", "LINK_UP"</p>

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

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"> • 1—Critical • 2—Major • 3—Minor • 4—Warning • 5—Clear • 6—Info
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. Contains one line description of the alarm severity generated.</p> <ul style="list-style-type: none"> • 1—Critical • 2—Major • 3—Minor • 4—Warning • 5—Clear • 6—Info
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.</p> <p>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"> unknown(1) —When the value for this attribute could not be determined 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 event(3) — Denotes an event generated by polling of managed objects and/or listening to SNMP notifications <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>
cenCustomer Identification	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	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. Example:1185098114

