Cisco EPM Notification MIB

• CISCO-EPM-NOTIFICATION-MIB, on page 1

CISCO-EPM-NOTIFICATION-MIB

This appendix contains the CISCO-EPM-NOTIFICATION-MIB.

SNMP Varbind	Data Type	Varbind OID	SNMP Varbing Description	Example
cenAlarmVersion	SnmpAdminString	.1.3.6.1.4.1.9.9.311.1.1.2.1.2	The release version of this MIB.	1.0
cenAlarmTimestamp	Timestamp	.1.3.6.1.4.1.9.9.311.1.1.2.1.3	The time when the alarm was raised. **Note** This is the number of seconds since Jan 1st 1970 (since epoch) in UTC.	1523608787
cenAlarmUpdatedTimestamp	Timestamp	.1.3.6.1.4.1.9.9.311.1.1.2.1.4	Alarms persist over time and its value is updated automatically when the field(s) is changed. The updated time denotes a time. Each alarm is identified by the unique alarm instance id, For example, cenAlarmInstanceID.	1523608788
cenAlarmInstanceID	SnmpAdminString	.1.3.6.1.4.1.9.9.311.1.1.2.1.5	The Unique Alarm Instance ID.	1185098114
cenAlarmStatus	Integer	.1.3.6.1.4.1.9.9.311.1.1.2.1.6	The alarm status indicates the status of the alarm in integer value.	Active=2, Cleared=3
cenAlarmStatusDefinition	SnmpAdminString	.1.3.6.1.4.1.9.9.311.1.1.2.1.7	The short description of the status of the alarm. The string is formatted in ',' tuples. The value is the same value that the 'cenAlarmStatus'attribute holds. Contains one line description of the alarm status generated.	2, ACTIVE3, CLEARED

SNMP Varbind	Data Type	Varbind OID	SNMP Varbing Description	Example
cenAlarmType	Integer	.1.3.6.1.4.9.9.311.1.1.2.1.8	• 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.	2
cenAlarmCategory	Integer	.1.3.6.1.4.9.9.311.1.1.2.1.9	The category of the alarm generated represented in integer value. **Note** This integer field is not used in EPN Manager. Use cenAlarmCategoryDefinition instead, which is a string.	—
cenAlarmCategoryDefinition	SnmpAdminString	.1.3.6.1.4.9.9.311.1.1.2.1.10	The short description of the category of the alarm generated. The String is formatted in ',' 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, see the 'Alarm Name column in the following documents. These are for 2.1 (Derecho). For other versions, use cisco.com published documentation for the version that you need. Cisco Evolved Programmable Network Manager Supported SNMP Traps Cisco Evolved Programmable Network Manager Supported Syslogs Cisco Evolved Programmable Network Manager Supported TL1 Messages Cisco Evolved Programmable Network Manager Supported Alarms	"LINK_DOWN", "SWT_AUTH_FAIL", "LINK_UP"

SNMP Varbind	Data Type	Varbind OID	SNMP Varbing Description	Example
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.	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.	10.127.101.145
cenAlarmManagedObjectClass	SnmpAdminString	.1.3.6.1.4.9.9.311.1.1.2.1.13	The class of the managed object for which this alarm was generated. For example, Router, Switch, GateKeeper, and VoicePort. For a list of categories, see the 'Category' column in the following documents. These are for 2.1 (Derecho). For other versions, use cisco.com published documentation for the version that you need. Cisco Evolved Programmable Network Manager Supported SNMP Traps Cisco Evolved Programmable Network Manager Supported Syslogs Cisco Evolved Programmable Network Manager Supported TL1 Messages Cisco Evolved Programmable Network Manager Supported Alarms	"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.	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.	2405:200:204:138:172:30:9.12.1

SNMP Varbind	Data Type	Varbind OID	SNMP Varbing Description	Example
cenAlarmDescription	OctetString	.1.3.6.1.4.9.9.311.1.1.2.1.16	A detailed description of the alarm. For a list of alarm descriptions, see the 'Description/Probable Cause' column in the following documents. These are for 2.1 (Derecho). For other versions, use cisco.com published documentation for the version that you need. Cisco Evolved Programmable Network Manager Supported SNMP Traps Cisco Evolved Programmable Network Manager Supported Syslogs Cisco Evolved Programmable Network Manager Supported TL1 Messages Cisco Evolved Programmable Network Manager Supported Alarms	Port 'GigabitEthernet0/0/6' (Description: ' # TO GigabitEthernet0/0/7 #') is down on device 240520020413817230912151 Lost Carrier
cenAlarmSeverity	Integer	.1.3.6.1.4.9.9.311.1.1.2.1.17	The alarm severity indicates the severity of the alarm in integer value. • 0—Critical • 1—Major • 2—Minor • 3—Warning • 4—Clear • 5—Info	4

SNMP Varbind	Data Type	Varbind OID	SNMP Varbing Description	Example
cenAlarmSeverityDefinition	SnmpAdminString	.1.3.6.1.4.1.9.9.311.1.1.2.1.18	The short description of the severity of the alarm generated. The String is formatted in ',' tuples. The value is the same value that the 'cenAlarmSeverity ' attribute holds. Contains one line description of the alarm severity generated. • 0—Critical • 1—Major • 2—Minor • 3—Warning • 4—Clear • 5—Info	4.CLEARED
cenAlarmTriageValue	Integer	.1.3.6.1.4.1.9.9.311.1.1.2.1.19	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. **Note** EPN manager does not support this field.	—
cenEventIDList	OctetString	.1.3.6.1.4.1.9.9.311.1.1.2.1.20	Comma separated list of the Unique Event identifiers that led to the generation of this Alarm. **Note** EPN manager does not support this field.	—

SNMP Varbind	Data Type	Varbind OID	SNMP Varbing Description	Example
cenUserMessage1	SnmpAdminString	.1.3.6.1.4.1.9.9.311.1.1.2.1.21	User input message. Information about the alarm including whether the alarm is a root cause alarm or a service - impacting alarm. 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 EPNM UI. chassisId refers to Satellite Id in EPNMUI. If any of the above information is not populated, then corresponding value is not sent to NBI.	—
cenUserMessage2	SnmpAdminString	.1.3.6.1.4.1.9.9.311.1.1.2.1.22	User input message. This value can be configured. **Note** EPN manager does not support this field.	—
cenUserMessage3	SnmpAdminString	.1.3.6.1.4.1.9.9.311.1.1.2.1.23	User input message. This value can be configured. **Note** EPN manager does not support this field.	—
cenAlarmMode	Integer	.1.3.6.1.4.1.9.9.311.1.1.2.1.24	• 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.	2

SNMP Varbind	Data Type	Varbind OID	SNMP Varbing Description	Example
cenPartitionNumber	Integer	.1.3.6.1.4.9.9.311.1.1.2.1.24	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. **Note** EPN manager does not support this field.	0
cenPartitionName	SnmpAdminString	.1.3.6.1.4.9.9.311.1.1.2.1.26	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.	—
cenCustomerIdentification	SnmpAdminString	.1.3.6.1.4.9.9.311.1.1.2.1.27	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. **Note** EPN manager does not support this field.	—
cenCustomerRevision	SnmpAdminString	.1.3.6.1.4.9.9.311.1.1.2.1.28	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. **Note** EPN manager does not support this field.	—
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.	1185098114

Note Information in the alarm that is null will not be forwarded to NBI.

Cisco EPM Notification MIB