



## MIB Reference

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### CISCO-CNEE-MIB

#### **ciscoCneeMIB Module Identity**

Last Updated: "201910120000Z"

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Description: The MIB module for the Cisco Cloud Native Execution Environment (CNEE) platform. This MIB only handles notifications from the CNEE.

{ ciscoMgmt 999 }

#### **ciscoCneeMIBNotifs Object ID**

{ ciscoCneeMIB 0 }

#### **ciscoCneeMIBFaults Object ID**

{ ciscoCneeMIB 1 }

#### **ciscoCneeMIBConform Object ID**

{ ciscoCneeMIB 2 }

#### **cneeFaultId Object Type**

Syntax: Octet string of 1-64 characters.

Max Access: not-accessible

Status: current

Description: Uniquely identify the fault within a monitored entity.

{ ciscoCneeMIBFaults 1 }

#### **cneeFaultSource Object Type**

Syntax: Octet string of 1-128 characters.

Max Access: not-accessible

Status: current

Description: Uniquely identify the monitored entity It can be a hostname or IP Address or human readable identity.

{ ciscoCneeMIBFaults 2 }

#### **cneeFaultSeverity Object Type**

Syntax: Octet string of 1-16 characters.

Max Access: not-accessible

Status: current

Description: Indicates the level of urgency for operator attention Refer 3GPP TS32.111-5 v9.0.0 section 4.3.

{ ciscoCneeMIBFaults 3 }

#### **cneeFaultTime Object Type**

Syntax: DateAndTime

Max Access: not-accessible

Status: current

Description: The date and time when the fault is detected.

{ ciscoCneeMIBFaults 4 }

#### **cneeFaultType Object Type**

Syntax: Octet string of 1-64 characters.

Max Access: not-accessible

Status: current

Description: Indicates the type of fault Refer 3GPP TS32.111-5 v9.0.0 section 4.3.

{ ciscoCneeMIBFaults 5 }

#### **cneeFaultAdditionalInfo Object Type**

Syntax: Octet string of 1-2048 characters.

Max Access: not-accessible

Status: current

Description: Additional Information about the fault.

{ ciscoCneeMIBFaults 6 }

**cneeFaultClusterName Object Type**

Syntax: Octet string of 1-128 characters.

Max Access: not-accessible

Status: current

Description: The cluster name associated to the fault.

{ ciscoCneeMIBFaults 7 }

**cneeFaultNamespace Object Type**

Syntax: Octet string of 1-128 characters.

Max Access: not-accessible

Status: current

Description: Identifies the namespace associated to the fault. This field is not always available for every fault.

{ ciscoCneeMIBFaults 8 }

**cneeFaultHostname Object Type**

Syntax: Octet string of 1-128 characters.

Max Access: not-accessible

Status: current

Description: Identifies the hostname or ip address associated with the fault. This field is not always available for every fault.

{ ciscoCneeMIBFaults 9 }

**cneeFaultInstance Object Type**

Syntax: Octet string of 1-128 characters.

Max Access: not-accessible

Status: current

Description: Identifies the instance associated to the fault. The instance is set by the alert rule creator and may not reference a host but could reference a process or KPI that is associated to the fault. This field is not always available for every fault

{ ciscoCneeMIBFaults 10 }

**cneeVnfAlias Object Type**

Syntax: Octet string of 1-128 characters.

Max Access: not-accessible

Status: current

Description: Alias for the monitored entity

{ ciscoCneeMIBFaults 11 }

**cneeFaultActiveNotif Notification Type**

Objects: cneeFaultId, cneeFaultSource, cneeFaultSeverity, cneeFaultTime, cneeFaultType, cneeFaultAdditionalInfo, cneeFaultClusterName, cneeFaultNamespace, cneeFaultHostname, cneeFaultInstance, cneeVnfAlias

Status: current

Description: This notification is generated by CNEE whenever a fault gets triggered.

{ ciscoCneeMIBNotifs 1 }

**cneeFaultClearNotif Notification Type**

Objects: cneeFaultId, cneeFaultSource, cneeFaultSeverity, cneeFaultTime, cneeFaultType, cneeFaultAdditionalInfo, cneeFaultClusterName, cneeFaultNamespace, cneeFaultHostname, cneeFaultInstance, cneeVnfAlias

Status: current

Description: This notification is generated by CNEE whenever a fault gets cleared.

{ ciscoCneeMIBNotifs 2 }

**ciscoCneeMIBCompliances Object ID**

{ ciscoCneeMIBConform 1 }

**ciscoCneeMIBGroups Object ID**

{ ciscoCneeMIBConform 2 }

**cneeMIBCompliance Module Compliance**

Status: current

Description: The compliance statement for entities that support the Cisco CNEE Managed Objects

Module: -- this module

Mandatory Groups: cneeMIBFaultGroup, cneeMIBNotificationGroup

{ ciscoCneeMIBCompliances 1 }

**cneeMIBFaultGroup Object Group**

Objects: cneeFaultId, cneeFaultSource, cneeFaultSeverity, cneeFaultTime, cneeFaultType, cneeFaultAdditionalInfo, cneeFaultClusterName, cneeFaultNamespace, cneeFaultHostname, cneeFaultInstance, cneeVnfAlias

Status: current

Description: The set of CNEE Fault groups defined by this MIB

{ ciscoCneeMIBGroups 1 }

**cneeMIBNotificationGroup Notification Group**

Notifications: cneeFaultActiveNotif, cneeFaultClearNotif

Status: current

Description: The set of CNEE notifications defined by this MIB

{ ciscoCneeMIBGroups 2 }

## CISCO-SMI

### **ciscoProducts Object ID**

Status: current

Description: ciscoProducts is the root OBJECT IDENTIFIER from which sysObjectID values are assigned. Actual values are defined in CISCO-PRODUCTS-MIB.

{ cisco 1 }

### **local Object ID**

Status: current

Description: Subtree beneath which pre-10.2 MIBS were built.

{ cisco 2 }

### **temporary Object ID**

Status: current

Description: Subtree beneath which pre-10.2 experiments were placed.

{ cisco 3 }

### **pakmon Object ID**

Status: current

Description: reserved for pakmon

{ cisco 4 }

### **workgroup Object ID**

Status: current

Description: subtree reserved for use by the Workgroup Business Unit

{ cisco 5 }

### **otherEnterprises Object ID**

Status: current

Description: otherEnterprises provides a root object identifier from which mibs produced by other companies may be placed. mibs produced by other enterprises are typically implemented with the object identifiers as defined in the mib, but if the mib is deemed to be uncontrolled, we may reroot the mib at this subtree in order to have a controlled version.

{ cisco 6 }

### **ciscoSB Object ID**

Status: current

Description: ciscoSB provides root Object Identifier for Management Information Base for products of Cisco Small Business. This includes products rebranded from linksys aquisition. MIB numbers under this root are managed and controlled by ciscosb\_mib@cisco.com.

{ otherEnterprises 1 }

### **ciscoSMB Object ID**

Status: current

Description: ciscoSMB provides root Object Identifier for Management Information Base for products of Cisco built for Small and Medium Business market. The MIB numbers under this root are managed and controlled by ciscosmb\_mib@cisco.com

{ otherEnterprises 2 }

### **ciscoAgentCapability Object ID**

Status: current

Description: ciscoAgentCapability provides a root object identifier from which AGENT-CAPABILITIES values may be assigned.

{ cisco 7 }

### **ciscoConfig Object ID**

Status: current

Description: ciscoConfig is the main subtree for configuration mibs.

{ cisco 8 }

### **ciscoMgmt Object ID**

Status: current

Description: ciscoMgmt is the main subtree for new mib development.

{ cisco 9 }

### **ciscoExperiment Object ID**

Status: current

Description: ciscoExperiment provides a root object identifier from which experimental mibs may be temporarily based. mibs are typically based here if they fall in one of two categories 1) are IETF work-in-process mibs which have not been assigned a permanent object identifier by the IANA. 2) are cisco work-in-process which has not been assigned a permanent object identifier by the cisco assigned number authority, typically because the mib is not ready for deployment. NOTE WELL: support for mibs in the ciscoExperiment subtree will be deleted when a permanent object identifier assignment is made.

{ cisco 10 }

**ciscoAdmin Object ID**

Status: current

Description: ciscoAdmin is reserved for administratively assigned OBJECT IDENTIFIERS, i.e. those not associated with MIB objects

{ cisco 11 }

**ciscoModules Object ID**

Status: current

Description: ciscoModules provides a root object identifier from which MODULE-IDENTITY values may be assigned.

{ cisco 12 }

**lightstream Object ID**

Status: current

Description: subtree reserved for use by Lightstream

{ cisco 13 }

**ciscoworks Object ID**

Status: current

Description: ciscoworks provides a root object identifier beneath which mibs applicable to the CiscoWorks family of network management products are defined.

{ cisco 14 }

**newport Object ID**

Status: current

Description: subtree reserved for use by the former Newport Systems Solutions, now a portion of the Access Business Unit.

{ cisco 15 }

**ciscoPartnerProducts Object ID**

Status: current

Description: ciscoPartnerProducts is the root OBJECT IDENTIFIER from which partner sysObjectID values may be assigned. Such sysObjectID values are composed of the ciscoPartnerProducts prefix, followed by a single identifier that is unique for each partner, followed by the value of sysObjectID of the Cisco product from which partner product is derived. Note that the chassisPartner MIB object defines the value of the identifier assigned to each partner.

{ cisco 16 }

**ciscoPolicy Object ID**

Status: current

Description: ciscoPolicy is the root of the Cisco-assigned OID subtree for use with Policy Management.

{ cisco 17 }

#### **ciscoPIB Object ID**

Status: current

Description: ciscoPIB is the root of the Cisco-assigned OID subtree for assignment to PIB (Policy Information Base) modules.

{ ciscoPolicy 2 }

#### **ciscoPolicyAuto Object ID**

Status: current

Description: ciscoPolicyAuto is the root of the Cisco-assigned OID subtree for OIDs which are automatically assigned for use in Policy Management.

{ cisco 18 }

#### **ciscoPibToMib Object ID**

Status: current

Description: ciscoPibToMib is the root of the Cisco-assigned OID subtree for MIBs which are algorithmically generated/translated from Cisco PIBs with OIDs assigned under the ciscoPIB subtree. These generated MIBs allow management entities (other the current Policy Server) to read the downloaded policy. By convention, for PIB 'ciscoPIB.x', the generated MIB shall have the name 'ciscoPibToMib.x'.

{ ciscoPolicyAuto 2 }

#### **ciscoDomains Object ID**

Status: current

Description: ciscoDomains provides a root object identifier from which different transport mapping values may be assigned.

{ cisco 19 }

#### **ciscoCIB Object ID**

Status: current

Description: ciscoCIB is the root of the Cisco-assigned OID subtree for assignment to MIB modules describing managed objects that part of the CPE automatic configuration framework.

{ cisco 20 }

#### **ciscoCibMmiGroup Object ID**

Status: current

Description: ciscoCibMmiGroup is the root of the Cisco-assigned OID subtree for assignment to MIB modules describing managed objects supporting the Modem Management Interface (MMI), the interface that facilitates CPE automatic configuration.



{ ciscoCIB 1 }

#### **ciscoCibProvGroup Object ID**

Status: current

Description: ciscoCibStoreGroup is the root of the Cisco-assigned OID subtree for assignment to MIB modules describing managed objects contributing to the Configuration Information Base (CIB).

{ ciscoCIB 2 }

#### **ciscoPKI Object ID**

Status: current

Description: ciscoPKI is the root of cisco-assigned OID subtree for PKI Certificate Policies and Certificate Extensions.

{ cisco 21 }

#### **ciscoLDAP Object ID**

Status: current

Description: ciscoLDAP is the root of the Cisco-assigned OID subtree for assignment to LDAP (Lightweight Directory Access Protocol) modules.

{ cisco 22 }

#### **ciscoProxy Object ID**

Status: current

Description: ciscoProxy OBJECT IDENTIFIERS are used to uniquely name party mib records created to proxy for SNMPv1.

{ ciscoAdmin 1 }

#### **ciscoPartyProxy Object ID**

{ ciscoProxy 1 }

#### **ciscoContextProxy Object ID**

{ ciscoProxy 2 }

#### **ciscoRptrGroupObjectID Object ID**

Status: current

Description: ciscoRptrGroupObjectID OBJECT IDENTIFIERS are used to uniquely identify groups of repeater ports for use by the SNMP-REPEATER-MIB (RFC 1516) rptrGroupObjectID object.

{ ciscoAdmin 2 }

#### **ciscoUnknownRptrGroup Object ID**

Status: current

Description: The identity of an unknown repeater port group.

{ ciscoRptrGroupObjectID 1 }

#### **cisco2505RptrGroup Object ID**

Status: current

Description: The authoritative identity of the Cisco 2505 repeater port group.

{ ciscoRptrGroupObjectID 2 }

#### **cisco2507RptrGroup Object ID**

Status: current

Description: The authoritative identity of the Cisco 2507 repeater port group.

{ ciscoRptrGroupObjectID 3 }

#### **cisco2516RptrGroup Object ID**

Status: current

Description: The authoritative identity of the Cisco 2516 repeater port group.

{ ciscoRptrGroupObjectID 4 }

#### **ciscoWsx5020RptrGroup Object ID**

Status: current

Description: The authoritative identity of the wsx5020 repeater port group.

{ ciscoRptrGroupObjectID 5 }

#### **ciscoChipSets Object ID**

Status: current

Description: Numerous media-specific MIBS have an object, defined as an OBJECT IDENTIFIER, which is the identity of the chipset realizing the interface. Cisco-specific chipsets have their OBJECT IDENTIFIERS assigned under this subtree.

{ ciscoAdmin 3 }

#### **ciscoChipSetSaint1 Object ID**

Status: current

Description: The identity of the Rev 1 SAINT ethernet chipset manufactured for cisco by LSI Logic.

{ ciscoChipSets 1 }

#### **ciscoChipSetSaint2 Object ID**

Status: current

Description: The identity of the Rev 2 SAINT ethernet chipset manufactured for cisco by LSI Logic.

{ ciscoChipSets 2 }

**ciscoChipSetSaint3 Object ID**

Status: current

Description: The identity of the Rev 3 SAINT ethernet chipset manufactured for cisco by Plessey.

{ ciscoChipSets 3 }

**ciscoChipSetSaint4 Object ID**

Status: current

Description: The identity of the Rev 4 SAINT ethernet chipset manufactured for cisco by Mitsubishi.

{ ciscoChipSets 4 }

**ciscoTDomains Object ID**

{ ciscoDomains 99999 }

**ciscoTDomainUdplpv4 Object ID**

Status: current

Description: The UDP over IPv4 transport domain. The corresponding transport address is of type CiscoTAddressIPv4.

{ ciscoTDomains 1 }

**ciscoTDomainUdplpv6 Object ID**

Status: current

Description: The UDP over IPv6 transport domain. The corresponding transport address is of type CiscoTAddressIPv6 for global IPv6 addresses and CiscoTAddressIPv6s for scoped IPv6 addresses.

{ ciscoTDomains 2 }

**ciscoTDomainTcplpv4 Object ID**

Status: current

Description: The TCP over IPv4 transport domain. The corresponding transport address is of type CiscoTAddressIPv4.

{ ciscoTDomains 3 }

**ciscoTDomainTcplpv6 Object ID**

Status: current

Description: The TCP over IPv6 transport domain. The corresponding transport address is of type CiscoTAddressIPv6 for global IPv6 addresses and CiscoTAddressIPv6s for scoped IPv6 addresses.

{ ciscoTDomains 4 }

**ciscoTDomainLocal Object ID**

Status: current

Description: The Posix Local IPC transport domain. The corresponding transport address is of type CiscoTAddressLocal. The Posix Local IPC transport domain incorporates the well known UNIX domain sockets.

{ ciscoTDomains 5 }

#### **ciscoTDomainClns Object ID**

Status: current

Description: The CLNS transport domain. The corresponding transport address is of type CiscoTAddressOSI.

{ ciscoTDomains 6 }

#### **ciscoTDomainCons Object ID**

Status: current

Description: The CONS transport domain. The corresponding transport address is of type CiscoTAddressOSI.

{ ciscoTDomains 7 }

#### **ciscoTDomainDdp Object ID**

Status: current

Description: The DDP transport domain. The corresponding transport address is of type CiscoTAddressNBP.

{ ciscoTDomains 8 }

#### **ciscoTDomainIpx Object ID**

Status: current

Description: The IPX transport domain. The corresponding transport address is of type CiscoTAddressIPX.

{ ciscoTDomains 9 }

#### **ciscoTDomainSctplpv4 Object ID**

Status: current

Description: The SCTP over IPv4 transport domain. The corresponding transport address is of type CiscoTAddressIPv4.

Reference: RFC 2960 - Stream Control Transmission Protocol. R. Stewart, Q. Xie, K. Morneault, C. Sharp, H. Schwarzbauer, T. Taylor, I. Rytina, M. Kalla, L. Zhang, V. Paxson. October 2000.

{ ciscoTDomains 10 }

#### **ciscoTDomainSctplpv6 Object ID**

Status: current

Description: The SCTP over IPv6 transport domain. The corresponding transport address is of type CiscoTAddressIPv6 for global IPv6 addresses and CiscoTAddressIPv6s for scoped IPv6 addresses.

Reference: RFC 2960 - Stream Control Transmission Protocol. R. Stewart, Q. Xie, K. Morneault, C. Sharp, H. Schwarzbauer, T. Taylor, I. Rytina, M. Kalla, L. Zhang, V. Paxson. October 2000.

{ ciscoTDomains 11 }

