

Figure 3 shows how the SNMP agent gathers data from the MIB, which is the repository for information about device parameters and network data. The agent can also send traps, or notifications of events of interest, to the manager.

Figure 3 *SNMP Network*

CISCO-CCME-MIB Overview

You can compile the Cisco MIB with your network-management software. If SNMP is configured on a Cisco Catalyst switch, the SNMP agent can respond to MIB-related queries that are sent by the NMS.

This chapter pertains to the CISCO-CCME-MIB, which addresses objects that pertain to Cisco CME,

Verifying Enabling of the SNMP Agent

To verify that the SNMP agent has been enabled on a given network device, perform the following steps.

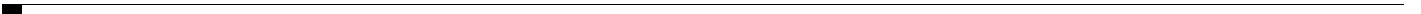
- Step 1** Telnet to the target device.
- Step 2** Display the running configuration on the device and examine the output for any displayed SNMP information:
Router#

! cor customJE -1.24p50 eM5p!



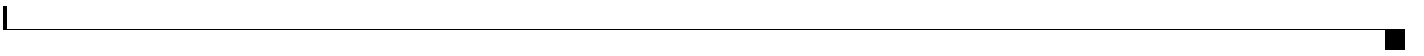
11

73	ccmeKeepAliveTimeout	Time between successive keepalive messages
74	ccmeInterDigitTimeout	Time interval for interdigit timeout for ephones
75	ccmeBusyTimeout	Wait time before a call



Summary List of Notifications and Traps

SNMP MIB Tables







ccmeEphoneKeepAlive	Read-only	Time interval, in seconds, between successive keep-alive messages from this device to this particular ephone. If the router fails to receive three successive keepalive messages, it considers the ephone to be out of service until the ephone reregisters. DEFVAL: 30
ccmeEphoneAutoLineOut		

ccmeEphoneSpeedDialConfEntry	Not-accessible	Information about all configured speed dial entries for an ephone. There is an entry created for each speed dial configured on this device. An entry is deleted from this table when the speed dial configuration is removed, which includes the following objects: <ul style="list-style-type: none">• ccmeEphoneSpeedDialTableIndex
------------------------------	----------------	---

ccmeEphoneButton Number	Not-accessible	Button number of an ephone.
ccmeEphoneOverla yDN	Read-only	Overlay DNs configured for this button on this ephone.
ccmeEphoneDnCon figTable	Not-accessible	List of configured ephone-dns (directory numbers or extensions) for ephone lines on this device.
ccmeEphoneDnCon figEntry	Nnor	

ccmeEphoneDnTyp Read-only

Extension type of the line:

- extension(1)—Ephone line
- intercom(2)—Part of pair of intercom line
- paging(3)—Type to receive audio pages
- moh(4)—Type to address MOH
- mwi(5)—Type to address MWI
- parkslot(6)—Type to address call park slot
- loopback(7)—Loopback directory number

•

ccmeCorConfEntry	Not-accessible	Information about a COR-configured entry. There is an entry for each COR configured on this device. An entry is deleted if the COR is removed from configuration, which includes the following objects: <ul style="list-style-type: none"> • ccmeCorTableIndex • ccmeCorTag • ccmeCorListName • ccmeCorDirection • ccmeCorScope • ccmeCorStartingNumber • ccmeCorEndingNumber • ccmeCorVoiceRegPoolNumber • ccmeCorListDefaultEnabled
ccmeCorTableIndex	Not-accessible	An arbitrary and unique index for this CcmeCorConfEntry.
ccmeCorTag	Read-only	Tag number. If the ccmeEnabled object is true for Cisco CME mode, then this object indicates the ephone-dn tag under which the COR was configured. If the csrstEnabled object is true for SRST mode, then this object indicates the COR list identifier configured under SRST configuration or voice registrar configuration.
ccmeCorListName	Read-only	COR list name configured on this device.
ccmeCorScope	Read-only	Scope of this COR list for a list of associated dial-peers: <ul style="list-style-type: none"> • ccme(1)—COR is applicable to the dial-peer associated with the ciscoCorTag ephone-dn object. • srstSccp(2)—COR is applicable to all the dynamically created

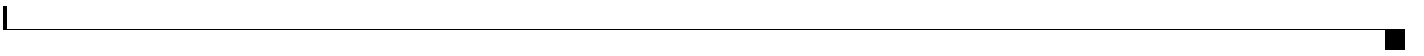
ccmeLoopbackDnC
onfTable



ccmeEphoneRegStat Read-only
e

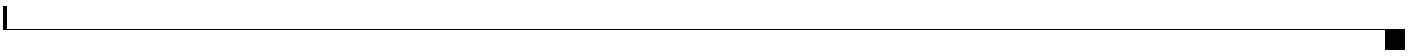
Registration state of the ephone:

- registered(1)—Phone is active.
-







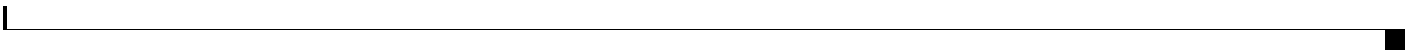




Cisco CME MIB Object Groups

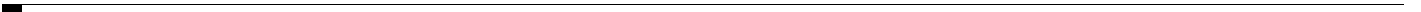
[Table 7](#) lists the CISCO-CCME-MIB objects, arranged according to their group. The following four







ccmeNightServiceDayStopHour	1.3.6.1.4.1.9.9.439.1.1.32.1.5
ccmeNightServiceDayStopMin	1.3.6.1.4.1.9.9.439.1.1.32.1.6

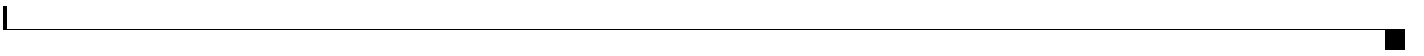


ccmeEphoneDnSecPref

1.3.6.1

{

{





COR—

