



Network Management

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Network Management Requirements

In addition to the monitoring features available on the dashboard, Cisco WebEx Meetings Server supports Cisco Unified Operations Manager (CUOM) for system operation monitoring, including load monitoring, health checks, and fault reporting.



Note

Cisco WebEx Meetings Server does not support CUOM configuration and management features.

Each virtual machine on your system runs an SNMP agent. Each virtual machine is therefore visible to CUOM. The SNMP agent supports the SNMPv3 protocol, including the authentication and encryption mechanisms in SNMPv3.

Each SNMP agent currently supports the following standard MIBs:

- MIB-II (RFC-1213)
- SYSAPPL MIB (RFC-2287)
- SNMPv2-SMI
- SNMPv2-CONF
- SNMPv2-TC
- INET-ADDRESS-MIB
- Host Resources MIB (RFC-2780)
- SNMP-FRAMEWORK-MIB
- Cisco Discovery Protocol (CDP) MIB
- CISCO-SMI

**Note**

You can set the CUOM destination from your Administration site. For more information, refer to the "Configuring Your System" section of the Administration Guide.

In addition, each virtual machine supports one or more application-specific MIBs.

Following is a list of the supported private MIBs:

- CISCO-WBX-COMMON-MIB
 - CANA (Cisco Assigned Numbers Authority) OID 796—This common MIB is used for all registered server components running on each virtual machine.
- CISCO-WBX-DATA-MIB
 - CANA (Cisco Assigned Numbers Authority) OID 795—This MIB is for web-sharing servers.
- CISCO-WBX-MEDIA-MIB
 - CANA (Cisco Assigned Numbers Authority) OID 797—This MIB is for video and Voice Connection Using Computer application servers.
- CISCO-WBX-SSLGW-MIB
 - CANA (Cisco Assigned Numbers Authority) OID 794—This MIB is for the SSL gateway.
- CISCO-WBX-TELEPHONY-MIB
 - CANA (Cisco Assigned Numbers Authority) OID 799—This MIB is for the telephony server that bridges the external voice telephony services with the Cisco WebEx application.
- CISCO-WBX-TELSVR-MIB
 - CANA (Cisco Assigned Numbers Authority) OID 788—This MIB is for the network-based recording server.

Among the private MIBs listed above, the CISCO-WBX-COMMON-MIB provides all the necessary information that we support for each virtual machine in terms of the following:

- System resource utilization
- Common server information
- Process manager information
- Daemon process attributes
- Notification resources

Following are examples of some MIB Objects from CISCO-WBX-COMMON-MIB:

- Common server information
 - cwCommServIndex
 - cwCommServType

- cwCommServID
- cwCommServIPAddrType
- cwCommServIPAddr
- cwCommServCmdLine
- cwCommServStatus
- cwCommServStartTime
- cwCommServErrorMsg
- cwCommServVersion
- cwCommServAction
- cwCommServMEMUsed
- cwCommServCPUUsage
- Supported notification events
 - cwCommSystemResourceUsageNormalEvent
 - cwCommSystemResourceUsageMinorEvent
 - cwCommSystemResourceUsageMajorEvent
 - cwCommCPUUsageNormalEvent
 - cwCommCPUUsageMinorEvent
 - cwCommCPUUsageMajorEvent
 - cwCommNodeMgrUpEvent
 - cwCommNodeMgrDownEvent
 - cwCommWBXDScriptStartErrorEvent
 - cwCommDaemonUpStatusEvent
 - cwCommDaemonDownStatusEvent
 - cwCommServMEMUsageNormalEvent
 - cwCommServMEMUsageExceededEvent
 - cwCommServCPUUsageNormalEvent
 - cwCommServCPUUsageExceededEvent

