



Supported Devices and Interoperable Software Table for Cisco Unified Operations Manager 2.1

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For additional device and software information for the Unified Communications solutions, see *Cisco Unified Communications Manager Software Compatibility Matrix* on Cisco.com for details on cross-compatibility (if applicable).

The following topics are included in this document:

- [Naming Conventions, page 1](#)
- [Software Supported by Operations Manager 2.1, page 2](#)
- [Devices Supported by Cisco Unified Operations Manager 2.1, page 3](#)

Naming Conventions

For consistency purposes, this document refers to Cisco CallManager products as Cisco Unified Communications Manager products. For a list of the official Cisco product names, see the *Cisco Unified Communications Manager Software Compatibility Matrix* on Cisco.com.



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Software Supported by Operations Manager 2.1

The following is a list of the software supported by and interoperable with Cisco Unified Operations Manager 2.1. If required, ensure these versions are installed before installing or upgrading Operations Manager 2.1:



Caution

If you install updated Cisco software before upgrading to Operations Manager, ensure you choose the same directory that the software resided so that no issues occur.

- Cisco Unified Service Monitor 2.1
- Cisco Unified Provisioning Manager 1.3
- Cisco Unified Service Statistics Manager 1.1 (upgrade after installing Operations Manager)
- CiscoWorks (LMS 2.6) and Common Services 3.0.5
- Cisco Secure Access Control Server (ACS) 3.2, 3.2.3, 3.3.2, 4.0, 4.1, 4.2

Ensure you use these versions if you are configuring the Device and Credentials Repository (DCR) master and slave mode.

- McAfee Virus Scan Enterprise 8.0

The following software applications are required for Cisco Unified Operations Manager 2.1:

- Adobe Flash Player 7.0, 8.0, or 9.0.
- One of the following:
 - Windows Server 2003 with Service Pack (SP) 1 or SP 2, Standard and Enterprise Editions.
 - Windows Server 2003 R2.
- ODBC Driver Manager 3.5.10 or later.

To verify the version of ODBC Driver Manager, from the Windows desktop, select **Start > Settings > Control Panel > Administrative Tools > Data Sources (ODBC)**. Select the **About** tab. If necessary, install Microsoft Data Access Component (MDAC) 2.5 or later.

For additional information on server or client requirements for Operations Manager, see the *Installation Guide for Cisco Unified Operations Manager 2.1*.

Coresident Guidelines

For Operations Manager, Service Monitor, and Service Statistics Manager to be coresident with up to 10,000 phones use the following minimum requirements:

- Windows Server 2003 R2 Enterprise Edition Service Pack 2
- Four Intel 2.33 Ghz CPU
- 8.0 GB RAM (PAE enabled)
- 270 GB hard disk (SAS drives with RAID 1)

Devices Supported by Cisco Unified Operations Manager 2.1


Note

Node-to-node tests and synthetic tests are supported on specific devices. The devices that can run these tests are specified in the applicable tables.

When you install Cisco Unified Operations Manager 2.1, you also install device support for all of the devices listed in this document.

Keep these points in mind when you view the device support tables:

- The devices listed in this document might be categorized differently in the Operations Manager display.
- This list contains the Cisco model names of all devices that are supported by Operations Manager. Variants to the generic device (device model names that have unique extensions) are not supported unless they are specifically listed. The device support tables provide SysObjectIDs to help you verify which devices are supported.
- Operations Manager does not support switch clusters. A switch cluster is a group of switches that comprises a master switch and slave switches. This relationship allows NMSs to query the master switch for information about the slave switches.

The MIB features detailed in [Table 1](#) are not supported in the device models mentioned due to lack of device MIB support and will not display in Operations Manager.

Table 1 **Unsupported MIB Features**

Device Model	Unsupported Feature
1760, 3810	Environment monitoring
1780	Power supply monitoring
3700, 2400, 2800, C366x, Catalyst 6000	Voltage sensor monitoring
C2600, 3600	Fan and Voltage sensor monitoring

The following tables list the devices supported by Cisco Unified Operations Manager:

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- [Table 16, Third Party Servers on page 32](#)

The following tables list the devices supported by Performance Graphing in Cisco Unified Operations Manager:

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- [Table 18, Routers and Routing Systems—Performance Graphing Support on page 33](#)
- [Table 19, Switches—Performance Graphing Support on page 36](#)
- [Table 20, Universal Gateways—Performance Graphing Support on page 37](#)
- [Table 21, Voice and IP Communications—Performance Graphing Support on page 38](#)
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Table 2 *Broadband Cable¹*

Series	Devices Supported	SysObjectID	Node-To-Node Test Support
Cisco uBR10012 Universal Broadband RouterS	UBR10012	1.3.6.1.4.1.9.1.317	—
Cisco uBR7200 Series Broadband Routers	UBR7223	1.3.6.1.4.1.9.1.210	Yes
	UBR7246	1.3.6.1.4.1.9.1.179	
	UBR7246VXR	1.3.6.1.4.1.9.1.271	
Cisco uBR7100 Series Universal Broadband Routers	UBR7111	1.3.6.1.4.1.9.1.344	Yes
	UBR7111E	1.3.6.1.4.1.9.1.345	
	UBR7114	1.3.6.1.4.1.9.1.346	
	UBR7114E	1.3.6.1.4.1.9.1.347	
Cisco uBR900 Series Cable Access Routers	UBR904	1.3.6.1.4.1.9.1.191	—
	UBR905	1.3.6.1.4.1.9.1.351	—
	UBR924	1.3.6.1.4.1.9.1.255	—

1. Supported as IP infrastructure devices.

Table 3 *Content Networking¹*

Series	Devices Supported	SysObjectID
Cisco CSS 11500 Series Content Services Switches	CSS11501	1.3.6.1.4.1.2467.4.7
		1.3.6.1.4.1.9.9.368.4.7 ²
	CSS11503	1.3.6.1.4.1.2467.4.5
		1.3.6.1.4.1.9.9.368.4.5 ²
	CSS11506	1.3.6.1.4.1.2467.4.6
		1.3.6.1.4.1.9.9.368.4.6 ²
Cisco CSS 11000 Series Content Services Switches ³	CSS11050	1.3.6.1.4.1.2467.4.4
	CSS11150	1.3.6.1.4.1.2467.4.3

Table 3 *Content Networking¹ (continued)*

Series	Devices Supported	SysObjectID
Cisco 7300 Series Content Engines	CE-7305	1.3.6.1.4.1.9.1.504
	CE-7320	1.3.6.1.4.1.9.1.412
	CE-7325	1.3.6.1.4.1.9.1.492
Cisco 4600 Series Content Distribution Managers	CDM-4630	1.3.6.1.4.1.9.1.486
	CDM-4650	1.3.6.1.4.1.9.1.487
Cisco 4000 Series Routers	4700-M	1.3.6.1.4.1.9.1.50
Cisco Global Site Selector Platforms	GSS-4490	1.3.6.1.4.1.9.1.517
Cisco 500 Series Content Engines	CE-507	1.3.6.1.4.1.9.1.409
	CE-507AV	1.3.6.1.4.1.9.1.432
	CE-510	1.3.6.1.4.1.9.1.505
	CE-511	1.3.6.1.4.1.9.1.595
	CE-560	1.3.6.1.4.1.9.1.410
	CE-560AV	1.3.6.1.4.1.9.1.433
	CE-565	1.3.6.1.4.1.9.1.491
	CE-590	1.3.6.1.4.1.9.1.411

1. Supported as IP infrastructure devices.

2. This device is supported when it is running WebNS 7.4 or later.

3. Operations Manager recognizes CSS 11000 Content Services Switches running Cisco Web Network Services (Web NS) Version 5.00.

Table 4 *DSL and Long-Reach Ethernet¹*

Series	Devices Supported	SysObjectID
Cisco Catalyst 6000 Series Switches	6200	1.3.6.1.4.1.9.1.192
Cisco Catalyst 6000 Series IP DSL Switches	6015	1.3.6.1.4.1.9.1.299
	6160	1.3.6.1.4.1.9.1.297
	6260	1.3.6.1.4.1.9.1.253
Cisco Catalyst 2950 LRE Series Switches	2950-ST-8-LRE	1.3.6.1.4.1.9.1.483
	2950-ST-24-LRE	1.3.6.1.4.1.9.1.482
Cisco 500 Series LRE CPE Devices	CS500	1.3.6.1.4.1.9.1.9

1. Supported as IP infrastructure devices.

Table 5 *Interfaces and Modules*

Series	Modules Supported	Node-To-Node Test Support
RPM-XF Service Module for MGX 8800 Series Switches	RPM-XF	—
Cisco IGX Universal Router Module for 8400 Series Switches	IGX-URM-2FE	—
	IGX-URM-2FE-2V	—

Table 5 *Interfaces and Modules (continued)*

Series	Modules Supported	Node-To-Node Test Support
Cisco Route Processor Module (RPM-PR) for Cisco MGX 8000 Series Multiservice Switches	RPM-PR	Yes
Cisco Multiprocessor WAN Application Module (MWAM) for Cisco Catalyst 6500 Series Switches and Cisco 7600 Series Internet Routers	MWAM	—
Cisco Catalyst 6500 and Cisco 7600 Series Communications Media Module (CMM)	WS-SVC-CMM	Yes
Network Analysis Module (NAM) for Cisco Catalyst 6500 Series Switches and Cisco 7600 Series Routers	WS-SVC-NAM-1	—
	WS-SVC-NAM-2	—
Cisco SSL Service Module for the Cisco Catalyst 6500 Series and Cisco 7600 Series	WS-SVC-SSL-1-K9	—
Network Analysis Module (NAM) for Cisco Catalyst 6000 Series Switches	WS-X6380-NAM	—
Cisco Catalyst 6000 Series Switches Multilayer Switch Module (MSM)	WS-X6302MSM	—
Cisco Catalyst 6000 Series Switches Module Switch Feature Card (MSFC)	WS-F6K-MSFC	—
	WS-F6K-MSFC2	Yes
	WS-F6K-MSFC3	—
Cisco Catalyst 6000 and Catalyst 6500 Series Switches	WS-X6148-GE-TX	—
	WS-X6148-RJ21V	—
	WS-X6148-RJ45V	—
	WS-X6196-RJ21	—
	WS-X6196-RJ45	—
	WS-X6248-ARJ45	—
	WS-X6248-RJ45	—
	WS-X6348-RJ21	—
	WS-X6348-RJ45	—
	WS-X6516-GE-TX	—
	WS-X6548-GE-TX	—
	WS-X6548-RJ21	—
	WS-X6548-RJ45	—
	WS-X6608-E1	—
	WS-X6608-T1	—
WS-X6224-FXS	—	
SVC-FWM-1	—	
Cisco Catalyst 5000 Series Switches Router Switch Module (RSM)	WS-X5302	Yes
Cisco Catalyst 5000 Series Switches Router Switch Feature Card (RSFC)	WS-F5541 (5kRsfc)	Yes

Table 5 *Interfaces and Modules (continued)*

Series	Modules Supported	Node-To-Node Test Support
Cisco Catalyst 5000 and Catalyst 5500 Series Switches	WS-X5010	—
	WS-X5012	—
	WS-X5013	—
	WS-X5014	—
	WS-X5020	—
	WS-X5113	—
	WS-X5203	—
	WS-X5213	—
	WS-X5213A	—
	WS-X5224	—
	WS-X5225R	—
	WS-X5234	—
	WS-X5239	—
Cisco Catalyst 4000 and Catalyst 4500 Series Switches	WS-X4013	—
	WS-X4014	—
	WS-X4148-RJ	—
	WS-X4148-RJ21	—
	WS-X4148-RJ45V	—
	WS-X4232-GB-RJ	—
	WS-X4232-L3 ¹	—
	WS-X4232-RJ-XX	—
	WS-X4248-RJ21V	—
	WS-X4248-RJ45V	—
	WS-X4424-GB-RJ45	—
	WS-X4448-GB-RJ45	—
	WS-X4515	—
	WS-X4548-GB-RJ45 ¹	—
	WS-X4548-GB-RJ45V	—
	WS-X4604-GWY ¹	—
	WS-X2948-GB-RJ	—
WS-X2980-GB-RJ	—	
WS-X2980-RJ	—	
Cisco Gigabit Ethernet Switch Module (CGESM) for HP Blade Server	CGESM	—
Cisco Systems Intelligent Gigabit Ethernet Switch Module (IGESM) for IBM eServer BladeCenter	IGESM	—
Cisco 2600 Series Content Engine Modules	CE-2636	—

Table 5 *Interfaces and Modules (continued)*

Series	Modules Supported	Node-To-Node Test Support
Wireless Mobile Interface Cards (WMIC) for Cisco 3200 Series Mobile Access Routers	3201	—
Cisco 1800 Series Integrated Services Routers	NAM	—
Cisco 2600 Series Multiservice Platforms	NM-16ESW	—
Cisco 2800 Series Integrated Services Routers	NM-16ESW-1GIG	—
Cisco 3600 Series Multiservice Platforms	NM-16ESW-PWR	—
Cisco 3700 Series Multiservice Access Routers	NM-16ESW-PWR-1GIG	—
Cisco 3800 Series Integrated Services Routers	NMD-36ESW	—
	NMD-36ESW-2GIG	—
	NMD-36ESW-PWR	—
	NMD-36ESW-PWR-2GIG	—
Cisco 1800/2800/3800 Series 4-Port EtherSwitch High-Speed WAN Interface Card	HWIC-4ESW	—
Cisco 1800/2800/3800 Series 9-Port EtherSwitch High-Speed WAN Interface Card	HWIC-D-9ESW	—
Cisco Unity Express Network Module	NM-CUE-EC ²	—
	NME-CUE ³	—
Cisco Unity Express Advanced Integration Modules	AIM2-CUE ⁴	—
	UC500 ⁵	—

1. Supported with CatOS only.
2. SysObjectID—1.3.6.1.4.1.9.1.711
3. SysObjectID—1.3.6.1.4.1.9.1.866
4. SysObjectID—1.3.6.1.4.1.9.1.867
5. SysObjectID—1.3.6.1.4.1.9.1.868

Table 6 *Network Management¹*

Series	Devices Supported	SysObjectID
Cisco Wireless LAN Solution Engine	2.8	1.3.6.1.4.1.9.1.459
CiscoWorks for Wireless LAN Solution Engine	1030	1.3.6.1.4.1.9.1.631
	1130	1.3.6.1.4.1.9.1.630

1. Supported as IP infrastructure devices.

Table 7 *Optical Networking¹*

Series	Devices Supported	SysObjectID
Cisco ONS 15500 Series	ONS-15501-AC	1.3.6.1.4.1.1869.11.11.5.3
	ONS-15501-DC	1.3.6.1.4.1.1869.11.11.5.1
	ONS-15530-ETSI	1.3.6.1.4.1.9.1.462
	ONS-15530	1.3.6.1.4.1.9.1.460
	ONS-15530-NEBS	1.3.6.1.4.1.9.1.460
	ONS-15540-ESP	1.3.6.1.4.1.9.1.406
	ONS-15540-ESPx	1.3.6.1.4.1.9.1.481
Cisco ONS 15400 Series	ONS-15454	1.3.6.1.4.1.3607.1.20.10.10

1. Supported as IP infrastructure devices.

Table 8 *Routers and Routing Systems*

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 12000 Series Internet Routers	12004	X	-	1.3.6.1.4.1.9.1.181	Yes
	12008	X	-	1.3.6.1.4.1.9.1.182	
	12010 GSR	X	-	1.3.6.1.4.1.9.1.348	
	12012	X	-	1.3.6.1.4.1.9.1.173	
	12016	X	-	1.3.6.1.4.1.9.1.273	
	12404 GSR	X	-	1.3.6.1.4.1.9.1.423	
	12406 GSR	X	-	1.3.6.1.4.1.9.1.388	
	12410 GSR	X	-	1.3.6.1.4.1.9.1.394	
	12416 GSR	X	-	1.3.6.1.4.1.9.1.385	
Cisco 10700 Series Routers	10720	X	-	1.3.6.1.4.1.9.1.397	—
Cisco 10000 Series Internet Routers	10005 ESR	X	-	1.3.6.1.4.1.9.1.437	—
	10008 ESR	X	-	1.3.6.1.4.1.9.1.438	—
Cisco 7600 Series Routers	7603	X	-	1.3.6.1.4.1.9.5.53 (CatOS)	—
		X	-	1.3.6.1.4.1.9.1.401 (IOS)	—
	7606	X	-	1.3.6.1.4.1.9.5.54 (CatOS)	—
		X	-	1.3.6.1.4.1.9.1.402 (IOS)	—
	7609	X	-	1.3.6.1.4.1.9.5.55 (CatOS)	—
		X	-	1.3.6.1.4.1.9.1.509 (IOS)	—
	7613	X	-	1.3.6.1.4.1.9.5.60 (CatOS)	—
		X	-	1.3.6.1.4.1.9.1.528 (IOS)	—

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 7500 Series Routers	7505	X	X	1.3.6.1.4.1.9.1.48	Yes
	7507	X	X	1.3.6.1.4.1.9.1.45	
	7507mx	X	X	1.3.6.1.4.1.9.1.290	
	7507z	X	X	1.3.6.1.4.1.9.1.288	
	7513	X	X	1.3.6.1.4.1.9.1.46	
	7513mx	X	X	1.3.6.1.4.1.9.1.291	
	7513z	X	X	1.3.6.1.4.1.9.1.289	
	7576	X	-	1.3.6.1.4.1.9.1.204	
Cisco 7400 Series Routers	7401	X	X	1.3.6.1.4.1.9.1.403	—
Cisco 7300 Series Multiservice Access Routers	7301	X	X	1.3.6.1.4.1.9.1.476	—
	7304	X	-	1.3.6.1.4.1.9.1.439	—
Cisco 7200 Series Routers	7202	X	X	1.3.6.1.4.1.9.1.194	Yes
	7204	X	X	1.3.6.1.4.1.9.1.125	
	7204VXR	X	X	1.3.6.1.4.1.9.1.223	
	7206	X	X	1.3.6.1.4.1.9.1.108	
	7206VXR	X	X	1.3.6.1.4.1.9.1.222	
Cisco 7000 Series Routers	7000	X	-	1.3.6.1.4.1.9.1.8	Yes
	7010	X	-	1.3.6.1.4.1.9.1.12	
Cisco 6400 Series Broadband Aggregators	6400NRP	X	-	1.3.6.1.4.1.9.1.211	Yes
Cisco 4000M Series Routers	4000	X	-	1.3.6.1.4.1.9.1.7	—
	4500	X	-	1.3.6.1.4.1.9.1.14	—
	Pro4500	X	-	1.3.6.1.4.1.9.1.66	—
	4700	X	-	1.3.6.1.4.1.9.1.50	—
	Pro4700	X	-	1.3.6.1.4.1.9.1.142	—
Cisco MC3810 Multiservice Access Concentrators	MC3810	X	X	1.3.6.1.4.1.9.1.157	—
	MC3810-V3	X	X	1.3.6.1.4.1.9.1.286	—
Cisco 3800 Series Integrated Services Routers	3825	X	X	1.3.6.1.4.1.9.1.543	Yes
	3845	X	X	1.3.6.1.4.1.9.1.544	
Cisco 3700 Series Multiservice Access Routers ¹	3725	X	X	1.3.6.1.4.1.9.1.414	Yes
	3745	X	X	1.3.6.1.4.1.9.1.436	

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 3600 Series Multiservice Platforms ¹	3620	X	X	1.3.6.1.4.1.9.1.122	Yes
	3631	X	X	1.3.6.1.4.1.9.1.425	
	3640	X	X	1.3.6.1.4.1.9.1.110	
	SC3640	X	-	1.3.6.1.4.1.9.1.189	
	3660	X	X	1.3.6.1.4.1.9.1.205	
	3661Ac	X	X	1.3.6.1.4.1.9.1.338	
	3661Dc	X	X	1.3.6.1.4.1.9.1.339	
	3662Ac	X	X	1.3.6.1.4.1.9.1.340	
	3662Dc	X	X	1.3.6.1.4.1.9.1.341	
	3662AcCo	X	X	1.3.6.1.4.1.9.1.342	
	3662DcCo	X	X	1.3.6.1.4.1.9.1.343	
Cisco 3200 Series Mobile Access Routers	3251	X	-	1.3.6.1.4.1.9.1.479	Yes
	3220	X	-	1.3.6.1.4.1.9.1.553	
Cisco 3000 Series Routers	3000	X	-	1.3.6.1.4.1.9.1.6	—
	3101	X	-	1.3.6.1.4.1.9.1.32	—
	3102	X	-	1.3.6.1.4.1.9.1.33	—
	3103	X	-	1.3.6.1.4.1.9.1.34	—
	3104	X	-	1.3.6.1.4.1.9.1.35	—
	3202	X	-	1.3.6.1.4.1.9.1.36	—
	3204	X	-	1.3.6.1.4.1.9.1.37	—
Cisco 2800 Series Integrated Services Routers	2801	X	X	1.3.6.1.4.1.9.1.619	Yes
	2811	X	X	1.3.6.1.4.1.9.1.576	
	2821	X	X	1.3.6.1.4.1.9.1.577	
	2851	X	X	1.3.6.1.4.1.9.1.578	

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 2600 Series Multiservice Platforms ¹	2610	X	X	1.3.6.1.4.1.9.1.185	Yes
	2610XM	X	X	1.3.6.1.4.1.9.1.466	
	2610XM-DC	X	X		
	2610XM-RP5	X	X		
	2611	X	X	1.3.6.1.4.1.9.1.186	
	2611XM	X	X	1.3.6.1.4.1.9.1.467	
	2611XM-DC	X	X		
	2611XM-RP5	X	X		
	2612	X	X	1.3.6.1.4.1.9.1.187	
	2613	X	X	1.3.6.1.4.1.9.1.195	
	2620	X	X	1.3.6.1.4.1.9.1.208	
	2620XM	X	X	1.3.6.1.4.1.9.1.468	
	2620XM-DC	X	X		
	2620XM-RP5	X	X		
	2621	X	X	1.3.6.1.4.1.9.1.209	
	2621XM	X	X	1.3.6.1.4.1.9.1.469	
	2621XM-DC	X	X		
	2621XM-RP5	X	X		
	2650	X	X	1.3.6.1.4.1.9.1.319	
	2650XM	X	X	1.3.6.1.4.1.9.1.470	
	2650XM-DC	X	X		
	2650XM-RP5	X	X		
	2651	X	X	1.3.6.1.4.1.9.1.320	
2651XM	X	X	1.3.6.1.4.1.9.1.471		
2651XM-DC	X	X			
2651XM-RP5	X	X			
2691	X	X	1.3.6.1.4.1.9.1.413		

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 2500 Series Routers	2500	X	-	1.3.6.1.4.1.9.1.13	Yes
	Pro2500PCE	X	-	1.3.6.1.4.1.9.1.55	
	2501	X	-	1.3.6.1.4.1.9.1.17	
	2501 FRADFX	X	-	1.3.6.1.4.1.9.1.165	
	2501 LANFRADFX	X	-	1.3.6.1.4.1.9.1.166	
	Pro2501	X	-	1.3.6.1.4.1.9.1.56	
	2502	X	-	1.3.6.1.4.1.9.1.18	
	2502LANFRADF X	X	-	1.3.6.1.4.1.9.1.167	
	Pro2502	X	-	1.3.6.1.4.1.9.1.130	
	2503	X	-	1.3.6.1.4.1.9.1.19	
	Pro2503	X	-	1.3.6.1.4.1.9.1.57	
	2504	X	-	1.3.6.1.4.1.9.1.20	
	Pro2504	X	-	1.3.6.1.4.1.9.1.131	
	2505	X	-	1.3.6.1.4.1.9.1.21	
	Pro2505	X	-	1.3.6.1.4.1.9.1.58	
	2506	X	-	1.3.6.1.4.1.9.1.22	
	Pro2506	X	-	1.3.6.1.4.1.9.1.132	
	2507	X	-	1.3.6.1.4.1.9.1.23	
	Pro2507	X	-	1.3.6.1.4.1.9.1.59	
	2508	X	-	1.3.6.1.4.1.9.1.24	
	Pro2508	X	-	1.3.6.1.4.1.9.1.133	
	2509	X	-	1.3.6.1.4.1.9.1.25	
	Pro2509	X	-	1.3.6.1.4.1.9.1.60	
	2509RJ	X	-	1.3.6.1.4.1.9.1.153	
	2510	X	-	1.3.6.1.4.1.9.1.26	
	Pro2510	X	-	1.3.6.1.4.1.9.1.134	
	2511	X	-	1.3.6.1.4.1.9.1.27	
	2511RJ	X	-	1.3.6.1.4.1.9.1.154	
	Pro2511	X	-	1.3.6.1.4.1.9.1.61	
	2512	X	-	1.3.6.1.4.1.9.1.28	
Pro2512	X	-	1.3.6.1.4.1.9.1.135		
2513	X	-	1.3.6.1.4.1.9.1.29		
Pro2513	X	-	1.3.6.1.4.1.9.1.136		
2514	X	-	1.3.6.1.4.1.9.1.30		

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 2500 Series Routers (continued)	Pro2514	X	-	1.3.6.1.4.1.9.1.62	Yes
	2515	X	-	1.3.6.1.4.1.9.1.31	
	Pro2515	X	-	1.3.6.1.4.1.9.1.137	
	2516	X	-	1.3.6.1.4.1.9.1.42	
	Pro2516	X	-	1.3.6.1.4.1.9.1.63	
	2517	X	-	1.3.6.1.4.1.9.1.67	
	Pro2517	X	-	1.3.6.1.4.1.9.1.138	
	2518	X	-	1.3.6.1.4.1.9.1.68	
	Pro2518	X	-	1.3.6.1.4.1.9.1.139	
	2519	X	-	1.3.6.1.4.1.9.1.69	
	Pro2519	X	-	1.3.6.1.4.1.9.1.64	
	2520	X	-	1.3.6.1.4.1.9.1.70	
	2521	X	-	1.3.6.1.4.1.9.1.71	
	2522	X	-	1.3.6.1.4.1.9.1.72	
	2523	X	-	1.3.6.1.4.1.9.1.73	
	Pro2523	X	-	1.3.6.1.4.1.9.1.140	
	2524	X	-	1.3.6.1.4.1.9.1.74	
2525	X	-	1.3.6.1.4.1.9.1.75		
Pro2525	X	-	1.3.6.1.4.1.9.1.141		
Cisco 2000 Series Routers	2000	X	-	1.3.6.1.4.1.9.1.10	Yes
	2102	X	-	1.3.6.1.4.1.9.1.15	
	2202	X	-	1.3.6.1.4.1.9.1.16	
Cisco MWR 1900 Mobile Access Routers	1900	X	-	1.3.6.1.4.1.9.1.398	Yes
	MWR 1941-DC	X	-	1.3.6.1.4.1.9.1.520	

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 1800 Series Integrated Services Routers	1801	X	-	1.3.6.1.4.1.9.1.638	Yes
	1802	X	-	1.3.6.1.4.1.9.1.639	
	1803	X	-	1.3.6.1.4.1.9.1.640	
	1811	X	-	1.3.6.1.4.1.9.1.641	
	1812	X	-	1.3.6.1.4.1.9.1.642	
	1841	X	-	1.3.6.1.4.1.9.1.620	
	1861BCUE	X	-	1.3.6.1.4.1.9.1.902	
	1861FCUE	X		1.3.6.1.4.1.9.1.903	
	18612BRI	X		1.3.6.1.4.1.9.1.904	
	18614FXO	X		1.3.6.1.4.1.9.1.905	
	1861SRSTCUE2B	X		1.3.6.1.4.1.9.1.939	
1861SRSTCUE4F	X		1.3.6.1.4.1.9.1.940		
Cisco 1700 Series Access Routers	1701	X	-	1.3.6.1.4.1.9.1.550	Yes
	1710-VPN-M/K9	X	-	1.3.6.1.4.1.9.1.200	
	1711	X	-	1.3.6.1.4.1.9.1.538	
	1712	X	-	1.3.6.1.4.1.9.1.539	
	1720VPN	X	-	1.3.6.1.4.1.9.1.201	
	1721	X	-	1.3.6.1.4.1.9.1.444	
	1750	X	X	1.3.6.1.4.1.9.1.216	
	1751, 1751(V)	X	X	1.3.6.1.4.1.9.1.326	
1760(V)	X	X	1.3.6.1.4.1.9.1.416		
Cisco 1600 Series Routers	1600	X	-	1.3.6.1.4.1.9.5.8	Yes
	1601	X	-	1.3.6.1.4.1.9.1.113	
	Pro1601	X	-	1.3.6.1.4.1.9.1.117	
	1602	X	-	1.3.6.1.4.1.9.1.114	
	Pro1602	X	-	1.3.6.1.4.1.9.1.118	
	1603	X	-	1.3.6.1.4.1.9.1.115	
	Pro1603	X	-	1.3.6.1.4.1.9.1.119	
	1604	X	-	1.3.6.1.4.1.9.1.116	
	Pro1604	X	-	1.3.6.1.4.1.9.1.120	
	1605	X	-	1.3.6.1.4.1.9.1.172	
Cisco 1400 Series Routers	1401	X	-	1.3.6.1.4.1.9.1.206	Yes
	1417	X	-	1.3.6.1.4.1.9.1.250	

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 1000 Series Routers	1000	X	-	1.3.6.1.4.1.9.1.40	Yes
	1003	X	-	1.3.6.1.4.1.9.1.41	
	Pro1003	X	-	1.3.6.1.4.1.9.1.51	
	1004	X	-	1.3.6.1.4.1.9.1.44	
	Pro1004	X	-	1.3.6.1.4.1.9.1.52	
	1005	X	-	1.3.6.1.4.1.9.1.49	
	Pro1005	X	-	1.3.6.1.4.1.9.1.53	
	1020	X	-	1.3.6.1.4.1.9.1.43	
Cisco 800 Series Routers	801	X	-	1.3.6.1.4.1.9.1.212	Yes
	802	X	-	1.3.6.1.4.1.9.1.213	
	803	X	-	1.3.6.1.4.1.9.1.214	
	804	X	-	1.3.6.1.4.1.9.1.215	
	805	X	-	1.3.6.1.4.1.9.1.245	
	806	X	-	1.3.6.1.4.1.9.1.384	
	811	X	-	1.3.6.1.4.1.9.1.395	
	813	X	-	1.3.6.1.4.1.9.1.396	
	826	X	-	1.3.6.1.4.1.9.1.322	
	827	X	-	1.3.6.1.4.1.9.1.284	
	827H	X	-	1.3.6.1.4.1.9.1.446	
	827QuadV	X	-	1.3.6.1.4.1.9.1.270	
	828	X	-	1.3.6.1.4.1.9.1.382	
	831	X	-	1.3.6.1.4.1.9.1.497	
	836	X	-	1.3.6.1.4.1.9.1.499	
	837	X	-	1.3.6.1.4.1.9.1.495	
	857	X	-	1.3.6.1.4.1.9.1.567	
	871	X	-	1.3.6.1.4.1.9.1.571	
	876	X	-	1.3.6.1.4.1.9.1.568	
	877	X	-	1.3.6.1.4.1.9.1.569	
878	X	-	1.3.6.1.4.1.9.1.570		

Table 8 Routers and Routing Systems (continued)

Series	Devices Supported	Supported as		SysObjectID	Node-To-Node Test Support
		Infrastructure	Telephony		
Cisco 700 Series ISDN Access Routers	751	X	-	1.3.6.1.4.1.9.1.81	—
	Pro751	X	-	1.3.6.1.4.1.9.1.76	—
	752	X	-	1.3.6.1.4.1.9.1.82	—
	Pro752	X	-	1.3.6.1.4.1.9.1.77	—
	753	X	-	1.3.6.1.4.1.9.1.82	—
	Pro753	X	-	1.3.6.1.4.1.9.1.78	—
	761	X	-	1.3.6.1.4.1.9.1.98	—
	762	X	-	1.3.6.1.4.1.9.1.99	—
	765	X	-	1.3.6.1.4.1.9.1.102	—
	Pro765	X	-	1.3.6.1.4.1.9.1.92	—
	766	X	-	1.3.6.1.4.1.9.1.103	—
	Pro766	X	-	1.3.6.1.4.1.9.1.93	—
	771	X	-	1.3.6.1.4.1.9.1.126	—
	772	X	-	1.3.6.1.4.1.9.1.127	—
	775	X	-	1.3.6.1.4.1.9.1.128	—
	776	X	-	1.3.6.1.4.1.9.1.129	—
Cisco 500 Series LRE CPE Devices	CS500	X	-	1.3.6.1.4.1.9.1.9	—
Cisco Carrier Routing System	CRS-1	X	-	1.3.6.1.4.1.9.1.643	—
Cisco Small Business Routers	SB-101	X	-	1.3.6.1.4.1.9.1.627	—
	SB-106	X	-	1.3.6.1.4.1.9.1.628	—
	SB-107	X	-	1.3.6.1.4.1.9.1.629	—
Cisco SOHO 90 Series Secure Broadband Routers	SOHO 91	X	-	1.3.6.1.4.1.9.1.498	—
	SOHO 96	X	-	1.3.6.1.4.1.9.1.500	—
	SOHO 97	X	-	1.3.6.1.4.1.9.1.496	—
Cisco SOHO 70 Series	SOHO 76	X	-	1.3.6.1.4.1.9.1.354	—
	SOHO 77H	X	-	1.3.6.1.4.1.9.1.353	—
	SOHO 78	X	-	1.3.6.1.4.1.9.1.383	—
Cisco IGS Router Series	IGS/L, IGS/R	X	-	1.3.6.1.4.1.9.1.5	—

1. For supported interfaces and modules, see [Table 5](#).

Table 9 Security and VPN¹

Series	Devices Supported	SysObjectID
Cisco PIX Firewall	PixFirewall	1.3.6.1.4.1.9.1.227
	1220i	1.3.6.1.4.1.9.5.30
Cisco PIX 500 Series Firewalls	501	1.3.6.1.4.1.9.1.417
	506	1.3.6.1.4.1.9.1.389
	506E	1.3.6.1.4.1.9.1.450
	515	1.3.6.1.4.1.9.1.390
	515E	1.3.6.1.4.1.9.1.451
	520	1.3.6.1.4.1.9.1.391
	525	1.3.6.1.4.1.9.1.392
	535	1.3.6.1.4.1.9.1.393
Cisco VPN 3000 Series Concentrators	VPN 3000	1.3.6.1.4.1.3076.1.2.1.1.1.2
	VPN 3002	1.3.6.1.4.1.3076.1.2.1.1.3.1
Cisco 7100 Series VPN Routers	7120-T3	1.3.6.1.4.1.9.1.260
	7120-E3	1.3.6.1.4.1.9.1.261
	7120-AT3	1.3.6.1.4.1.9.1.262
	7120-AE3	1.3.6.1.4.1.9.1.263
	7120-SMI3	1.3.6.1.4.1.9.1.264
	7120-4T1	1.3.6.1.4.1.9.1.259
	7140-2T3	1.3.6.1.4.1.9.1.265
	7140-2E3	1.3.6.1.4.1.9.1.266
	7140-2AT3	1.3.6.1.4.1.9.1.267
	7140-2AE3	1.3.6.1.4.1.9.1.268
	7140-2FE	1.3.6.1.4.1.9.1.277
	7140-2MM3	1.3.6.1.4.1.9.1.269
	7160	1.3.6.1.4.1.9.1.358

1. Supported as IP infrastructure devices.

Table 10 Storage Networking¹

Series	Devices Supported	SysObjectID
Cisco MDS 9000 Series Multilayer Switches	MDS-9120	1.3.6.1.4.1.9.12.3.1.3.414
	MDS-9140	1.3.6.1.4.1.9.12.3.1.3.411
	MDS-9216	1.3.6.1.4.1.9.12.3.1.3.380
	MDS-9216A	1.3.6.1.4.1.9.12.3.1.3.442
	MDS-9506	1.3.6.1.4.1.9.12.3.1.3.375
	MDS-9509	1.3.6.1.4.1.9.12.3.1.3.376

Table 10 Storage Networking¹ (continued)

Series	Devices Supported	SysObjectID
Cisco SN 5400 Series Storage Routers	SN-5420	1.3.6.1.4.1.9.1.407
	SN-5428	1.3.6.1.4.1.9.1.475

1. Supported as IP infrastructure devices.

Table 11 Switches

Series	Devices Supported	Supported as		SysObjectID	Device Operating System			Node-To-Node Test Support
		Infrastructure	Telephony		CatOS	IOS		
						Full Support	Partial Support ¹	
Cisco MGX 8800 Series Switches	MGX 8830	X	-	1.3.6.1.4.1.9.1.229	-	-	X	—
	MGX 8850	X	-	1.3.6.1.4.1.9.1.228	-	-	X	—
	MGX 8860	X	-	1.3.6.1.4.1.9.1.239	-	-	X	—
Cisco BPX 8600 Series Switches	BPX 8620	X	-	1.3.6.1.4.1.9.1.237	-	-	X	—
	BPX 8650	X	-	1.3.6.1.4.1.9.1.238	-	-	X	—
Cisco Catalyst 8500 Series Multiservice Switch Routers (MSRs)	8510MSR	X	-	1.3.6.1.4.1.9.1.230	-	-	X	—
	8510	X	-	1.3.6.1.4.1.9.1.190	-	-	X	—
	8515MSR	X	-	1.3.6.1.4.1.9.1.231	-	-	X	—
	8515	X	-	1.3.6.1.4.1.9.1.196	-	-	X	—
	8540MSR	X	-	1.3.6.1.4.1.9.1.202	-	-	X	—
	8540	X	-	1.3.6.1.4.1.9.1.203	-	-	X	—
Cisco IGX 8400 Series Switches	IGX 8410	X	-	1.3.6.1.4.1.9.1.232	-	-	X	—
	IGX 8420	X	-	1.3.6.1.4.1.9.1.233	-	-	X	—
Cisco Lightstream ATM Switches	LS1010	X	-	1.3.6.1.4.1.9.1.107	-	X	-	—
	LS1010 Chassis	X	-	1.3.6.1.4.1.9.5.11	-	X	-	—
	LS1015	X	-	1.3.6.1.4.1.9.1.164	-	X	-	—
Cisco Catalyst 6500 Series Switches	6503	X	X	1.3.6.1.4.1.9.5.56	X ^{2,3,4}	-	-	Yes
		X	X	1.3.6.1.4.1.9.1.449	-	X	-	
	6506	X	X	1.3.6.1.4.1.9.5.45	X ^{2,3,4}	-	-	
		X	X	1.3.6.1.4.1.9.1.282	-	X	-	
	6509	X	X	1.3.6.1.4.1.9.5.44	X ^{2,3,4}	-	-	
		X	X	1.3.6.1.4.1.9.1.283	-	X	-	
	6509-NEB	X	X	1.3.6.1.4.1.9.5.47	X ^{2,3,4}	-	-	
		X	X	1.3.6.1.4.1.9.1.310	-	X	-	
	6509-NEBA	X	X	1.3.6.1.4.1.9.1.534	-	X	-	
	6513	X	X	1.3.6.1.4.1.9.5.50	X ^{2,3,4}	-	-	
X		X	1.3.6.1.4.1.9.1.400	-	X	-		

Table 11 Switches (continued)

Series	Devices Supported	Supported as		SysObjectID	Device Operating System			Node-To-Node Test Support
		Infrastructure	Telephony		CatOS	IOS		
						Full Support	Partial Support ¹	
Cisco Catalyst 6000 Series Switches	6000	X	-	1.3.6.1.4.1.9.1.241	X	-	-	Yes ⁵
	WS-C6006	X	X	1.3.6.1.4.1.9.5.38	X ^{2,3,4}	-	-	
		X	X	1.3.6.1.4.1.9.1.280	-	X	-	
	WS-C6009	X	X	1.3.6.1.4.1.9.5.39	X ^{2,3,4}	-	-	
		X	X	1.3.6.1.4.1.9.1.281	-	X	-	
6400NSP	X	-	1.3.6.1.4.1.9.1.180	X	-	-		
Cisco Catalyst 5500 Series Switches	5500	X	X ⁴	1.3.6.1.4.1.9.5.17	X	-	-	—
	5505	X	X ⁴	1.3.6.1.4.1.9.5.34	X	-	-	—
	5509	X	X ⁴	1.3.6.1.4.1.9.5.36	X	-	-	—
Cisco Catalyst 5000 Series Switches	5000	X	X ⁴	1.3.6.1.4.1.9.5.7	X	-	-	—
	5002	X	X ⁴	1.3.6.1.4.1.9.5.29	X	-	-	—
Cisco Catalyst G-L3 Series Switches	4840G-L3	X	-	1.3.6.1.4.1.9.1.312	-	X	-	—
	4908G-L3	X	-	1.3.6.1.4.1.9.1.298	-	X	-	—
Cisco Catalyst 4500 Series Switches ⁶	4503	X	X	1.3.6.1.4.1.9.1.503	-	X	-	—
		X	X	1.3.6.1.4.1.9.5.58	X	-	-	—
	4506	X	X	1.3.6.1.4.1.9.1.502	-	X	-	—
		X	X	1.3.6.1.4.1.9.5.59	X	-	-	—
	4507	X	X	1.3.6.1.4.1.9.1.501	-	X	-	—
	4510	X	X	1.3.6.1.4.1.9.1.537	-	X	-	—
Cisco Catalyst 4200 Series Switches	4224 Access Gateway 8 Port Flex Card	X	X	1.3.6.1.4.1.9.1.399	-	X	-	Yes
Cisco Catalyst 4000 Series Switches	4003	X	X ⁴	1.3.6.1.4.1.9.5.40	X	-	-	Yes ⁷
	4006 ⁸	X	X ⁴	1.3.6.1.4.1.9.5.46	X	-	-	
		X	X ⁴	1.3.6.1.4.1.9.1.448	-	X	-	
	4232L3	X	-	1.3.6.1.4.1.9.1.300	X	-	-	
	4912G	X	X ⁴	1.3.6.1.4.1.9.5.41	X	-	-	
	4948	X	-	1.3.6.1.4.1.9.1.626	-	X	-	
	4948-10GE	X	-	1.3.6.1.4.1.9.1.659	-	X	-	
Cisco Catalyst 3900 Series Switches	3900	X	-	1.3.6.1.4.1.9.5.33	-	X	-	—
	3920	X	-	1.3.6.1.4.1.9.5.37	-	X	-	—

Table 11 Switches (continued)

Series	Devices Supported	Supported as		SysObjectID	Device Operating System			Node-To-Node Test Support
		Infrastructure	Telephony		CatOS	IOS		
						Full Support	Partial Support ¹	
Cisco Catalyst 3750 Series Switches	3750-stack	X	X	1.3.6.1.4.1.9.1.516	-	X	-	Yes
	3750-24FS	X		1.3.6.1.4.1.9.1.656	-	X	-	
	3750-24PS	X		1.3.6.1.4.1.9.1.536	-	X	-	
	3750-24TS	X		1.3.6.1.4.1.9.1.513	-	X	-	
	3750-48PS	X		1.3.6.1.4.1.9.1.535	-	X	-	
	3750G-16TD	X		1.3.6.1.4.1.9.1.591	-	X	-	
	3750G-24PS	X		1.3.6.1.4.1.9.1.602	-	X	-	
	3750G-24TS1U	X		1.3.6.1.4.1.9.1.624	-	X	-	
	3750G-48PS	X		1.3.6.1.4.1.9.1.603	-	X	-	
	3750G-48TS	X		1.3.6.1.4.1.9.1.604	-	X	-	
	3750-24FS	X		1.3.6.1.4.1.9.1.656	-	X	-	
Catalyst 3750 Metro Series AC Switch	ME-C3750-24T E-MA	X	X	1.3.6.1.4.1.9.1.574	-	X	-	Yes
Catalyst 3750 Metro Series AC/DC Switch	ME-C3750-24T E-M	X	X			X		
Cisco Catalyst 3560 Series Switches	3560-24PS	X	X	1.3.6.1.4.1.9.1.563	-	X	-	Yes
	3560-48PS	X	X	1.3.6.1.4.1.9.1.564	-	X	-	
	3560G-24PS	X	X	1.3.6.1.4.1.9.1.614				
	3560G-24TS	X	X	1.3.6.1.4.1.9.1.615				
	3560G-48PS	X	X	1.3.6.1.4.1.9.1.616				
	3560G-48TS	X	X	1.3.6.1.4.1.9.1.617				
	3560-8PCS	X	X	1.3.6.1.4.1.9.1.797				
Cisco Catalyst 3550 Series Switches	3550-24	X	X	1.3.6.1.4.1.9.1.366	-	X	-	—
	3550-48	X	X	1.3.6.1.4.1.9.1.367	-	X	-	—
	3550-12T	X	X	1.3.6.1.4.1.9.1.368	-	X	-	—
	3550-12G	X	X	1.3.6.1.4.1.9.1.431	-	X	-	—
	3550-24Dc	X	X	1.3.6.1.4.1.9.1.452	-	X	-	—
	3550-24Mmf	X	X	1.3.6.1.4.1.9.1.453	-	X	-	—
	3550-24-PWR (-SMI or -EMI)	X	X	1.3.6.1.4.1.9.1.485	-	X	-	—

Table 11 Switches (continued)

Series	Devices Supported	Supported as		SysObjectID	Device Operating System			Node-To-Node Test Support
		Infrastructure	Telephony		CatOS	IOS		
						Full Support	Partial Support ¹	
Cisco Catalyst 3500 Series XL Switches	3508G-XL	X	-	1.3.6.1.4.1.9.1.246	-	-	X	Yes
	3512XL	X	X	1.3.6.1.4.1.9.1.247	-	-	X	
	3524-PWR XL	X	X	1.3.6.1.4.1.9.1.287	-	-	X	
	3524XL	X	X	1.3.6.1.4.1.9.1.248	-	-	X	
	3548XL	X	X	1.3.6.1.4.1.9.1.278	-	-	X	
Cisco ME 3400 Series Ethernet Access Switch	3440	X	-	1.3.6.1.4.1.9.1.736	-	X	-	Yes
Cisco Catalyst 3000 Series Switches	3000	X	-	1.3.6.1.4.1.9.5.10	X	-	-	—
	3001	X	-	1.3.6.1.4.1.9.5.26	X	-	-	—
	3100	X	-	1.3.6.1.4.1.9.5.23	X	-	-	—
	3200	X	-	1.3.6.1.4.1.9.5.15	X	-	-	—
Cisco Catalyst 2970 Series Switches	2970-24	X	X	1.3.6.1.4.1.9.1.527	-	X	-	—
	2970-G-24TS-E	X	X	1.3.6.1.4.1.9.1.561	-	X	-	—
Cisco Catalyst 2960 Series Switches	2960-24	X	-	1.3.6.1.4.1.9.1.694	-	X	-	—
	2960-48	X	-	1.3.6.1.4.1.9.1.695	-	X	-	—
	2960G-24	X	-	1.3.6.1.4.1.9.1.696	-	X	-	—
	2960-24TT	X	-	1.3.6.1.4.1.9.1.716	-	X	-	—
	2960-48TT	X	-	1.3.6.1.4.1.9.1.717	-	X	-	—
Cisco Catalyst 2950 Long-Reach Ethernet Series Switches	2950-ST-24-LRE	X	-	1.3.6.1.4.1.9.1.482	-	X	-	—
	2950-ST-8-LRE	X	-	1.3.6.1.4.1.9.1.483	-	X	-	—

Table 11 Switches (continued)

Series	Devices Supported	Supported as		SysObjectID	Device Operating System			Node-To-Node Test Support
		Infrastructure	Telephony		CatOS	IOS		
						Full Support	Partial Support ¹	
Cisco Catalyst 2950 Series Switches	2950-12	X	X	1.3.6.1.4.1.9.1.323	-	X	-	Yes
	2950-24	X	X	1.3.6.1.4.1.9.1.324	-	X	-	
	2950C-24	X	X	1.3.6.1.4.1.9.1.325	-	X	-	
	2950G-12	X	X	1.3.6.1.4.1.9.1.427	-	X	-	
	2950G-24	X	X	1.3.6.1.4.1.9.1.428	-	X	-	
	2950G-48	X	X	1.3.6.1.4.1.9.1.429	-	X	-	
	2950G-24-DC	X	X	1.3.6.1.4.1.9.1.472	-	X	-	
	2950SX-24	X	X	1.3.6.1.4.1.9.1.480	-	X	-	
	2950SX-48	X	X	1.3.6.1.4.1.9.1.560	-	X	-	
	2950T-24	X	X	1.3.6.1.4.1.9.1.359	-	X	-	
	2950T-48	X	X	1.3.6.1.4.1.9.1.559	-	X	-	
	2955C-12	X	X	1.3.6.1.4.1.9.1.489	-	X	-	
	2955S-12	X	X	1.3.6.1.4.1.9.1.508	-	X	-	
	2955T-12	X	X	1.3.6.1.4.1.9.1.488	-	X	-	
Cisco Catalyst 2940 Series Switches	2940-8TF	X	X	1.3.6.1.4.1.9.1.542	-	X	-	—
	2940-8TT	X	X	1.3.6.1.4.1.9.1.540	-	X	-	—
Cisco Catalyst 2900 Series Switches	2900	X	-	1.3.6.1.4.1.9.5.12	X	-	-	—
	2926	X	-	1.3.6.1.4.1.9.5.35	X	-	-	—
	2926G	X	X ⁴	1.3.6.1.4.1.9.5.35	-	X	-	—
	2948G	X	X ⁴	1.3.6.1.4.1.9.5.42	X	-	-	—
	2948G-L3	X		1.3.6.1.4.1.9.1.275	-	X	-	—
	2948G-GE-TX	X	-	1.3.6.1.4.1.9.5.62	X	-	-	—
	2980G	X	X ⁴	1.3.6.1.4.1.9.5.49	X	-	-	—
	2980G-A	X	-	1.3.6.1.4.1.9.5.51	X	-	-	—
Cisco Catalyst 2900 Series LRE XL Switches	2912LRE-XL	X	-	1.3.6.1.4.1.9.1.370	X	-	-	—
	2924LRE-XL	X	-	1.3.6.1.4.1.9.1.369	X	-	-	—

Table 11 Switches (continued)

Series	Devices Supported	Supported as		SysObjectID	Device Operating System			Node-To-Node Test Support
		Infrastructure	Telephony		CatOS	IOS		
						Full Support	Partial Support ¹	
Cisco Catalyst 2900 Series XL Switches	2908XL	X	X	1.3.6.1.4.1.9.1.170	-	-	X	—
	2912XL	X	X	1.3.6.1.4.1.9.1.219	-	-	X	—
	2912MF-XL	X	X	1.3.6.1.4.1.9.1.221	-	-	X	—
	2916M-XL	X	X	1.3.6.1.4.1.9.1.171	-	-	X	—
	2924XL	X	X	1.3.6.1.4.1.9.1.183	-	-	X	—
	2924XL-V	X	X	1.3.6.1.4.1.9.1.217	-	-	X	—
	2924C-XL	X	X	1.3.6.1.4.1.9.1.184	-	-	X	—
	2924C-XL-V	X	X	1.3.6.1.4.1.9.1.218	-	-	X	—
	2924M-XL	X	X	1.3.6.1.4.1.9.1.220	-	-	X	—
Cisco Catalyst 2800 Series Switches	2828	X	-	1.3.6.1.4.1.9.5.20	X	-	-	—
Cisco ME 2400 Series Ethernet Switches	2440	X	-	1.3.6.1.4.1.9.1.734	-	X	-	—
Cisco Catalyst 1900 Series Switches	wsc1900LiteFx	X	-	1.3.6.1.4.1.9.5.175	X	-	-	—
	cpw1900	X	-	1.3.6.1.4.1.9.5.16	X	-	-	—
	1900c	X	-	1.3.6.1.4.1.9.5.28	X	-	-	—
	1900i	X	-	1.3.6.1.4.1.9.5.31	X	-	-	—
	1912C	X	-	1.3.6.1.4.1.9.1.175	X	-	-	—
	1924	X	-	1.3.6.1.4.1.9.5.18	X	-	-	—
Cisco Catalyst 1600 Series Switches	cpw1600	X	-	1.3.6.1.4.1.9.5.9	X	-	-	—
Cisco 1500 Series Micro Hubs	1502	X	-	1.3.6.1.4.1.9.1.161	N/A			—
	1503	X	-	1.3.6.1.4.1.9.1.160				—
	1538M	X	-	1.3.6.1.4.1.9.1.224				—
	1548M	X	-	1.3.6.1.4.1.9.1.225				—
Cisco Workgroup Concentrators	1000	X	-	1.3.6.1.4.1.9.5.3				—
	1100	X	-	1.3.6.1.4.1.9.5.4				—
	1400	X	-	1.3.6.1.4.1.9.5.6				—
Cisco 1420 EtherSwitch	cpw1420	X	-	1.3.6.1.4.1.9.5.21	X	-	-	—

Table 11 Switches (continued)

Series	Devices Supported	Supported as		SysObjectID	Device Operating System			Node-To-Node Test Support
		Infrastructure	Telephony		CatOS	IOS		
						Full Support	Partial Support ¹	
Cisco 1220 EtherSwitch Series	EtherSwitch 1200	X	-	1.3.6.1.4.1.9.5.5	X	-	-	—
	EtherSwitch 1220	X	-	1.3.6.1.4.1.9.5.19	X	-	-	—
	EtherSwitch 1220C	X	-	1.3.6.1.4.1.9.5.27	X	-	-	—
Cisco FastHub 100 Series Hubs	100	X	-	1.3.6.1.4.1.9.1.226	N/A			—
		X	-					—
	116C	X	-	1.3.6.1.4.1.9.1.151				—
	116T	X	-	1.3.6.1.4.1.9.1.150				—
	216T	X	-	1.3.6.1.4.1.9.1.169				—
	316C	X	-	1.3.6.1.4.1.9.1.148				—
	316T	X	-	1.3.6.1.4.1.9.1.147				—
	1116	X	-	1.3.6.1.4.1.9.1.152				—
	3116	X	-	1.3.6.1.4.1.9.1.149				—
	FastHubBMMF X Bridge Management Module	X	-	1.3.6.1.4.1.9.1.178				—
FastHubBMMT X Bridge Management Module	X	-	1.3.6.1.4.1.9.1.178				—	

1. “Partial support” indicates that Operations Manager will manage the device but might not report all device attributes because (1) the device operating system does not support one or more of the MIBs polled by Operations Manager, and/or (2) the device MIB contains information that is not correctly populated.
2. T1/E1 ports do not generate an event when the ports are up but not connected. To fix this problem, the Catalyst operating system must be upgraded to version 5.5(8) or later or to version 6.2(3) or later.
3. When a Catalyst 6000 switch is running software version 6.1(1) or 6.1(2), Operations Manager does not recognize the WS-X6348-RJ-45 cards as Inline Power Cards. You can fix this problem by upgrading the Catalyst 6000 NMP card software to version 6.1(3).
4. For supported interfaces and modules, see [Table 5](#).
5. Node-to-node tests are supported on Cisco Catalyst 6000 Switches running Cisco IOS.
6. Operations Manager supports Catalyst 4000/4500 Supervisor Engine IV (WS-X4515 or WS-X4515/2) on the 4006, 4503, 4506, and 4507. Operations Manager supports Catalyst 4000/4500 Supervisor Engine III (WS-X4014) on the C4503, C4506, and 4006. Operations Manager supports the Catalyst 4000/4500 Supervisor Engine II (WS-X4013) on the 4503 and 4506.
7. Node-to-node tests are supported on Cisco Catalyst 4000 Switches running Cisco IOS.
8. On the Cisco Catalyst 4006, Operations Manager supports Supervisor Engines III (WS-X4014) and IV (WS-X4515) running Cisco IOS.

Table 12 Universal Gateways and Access Servers

Series	Devices Supported	SysObjectID	Supports Node-To-Node Tests
Cisco AS5200 Series Universal Access Servers ¹	AS5200	1.3.6.1.4.1.9.1.109	Yes
Cisco AS5300 Series Universal Gateways ²	AS5300 Access Server	1.3.6.1.4.1.9.1.162	Yes
	AS5350 Universal Gateway	1.3.6.1.4.1.9.1.313	
	AS5350XM Universal Gateway	1.3.6.1.4.1.9.1.679	
Cisco AS5400 Series Universal Gateways ²	AS5400 Universal Gateway	1.3.6.1.4.1.9.1.274	Yes
	AS5400XM Universal Gateway	1.3.6.1.4.1.9.1.668	
Cisco AS5800 Series Universal Gateways ²	AS5800 Access Server	1.3.6.1.4.1.9.1.188	—
	AS5850 Universal Gateway	1.3.6.1.4.1.9.1.308	—

1. Supported as IP infrastructure devices.
2. Supported as IP infrastructure devices and as IP telephony devices.

Table 13 Voice and IP Communications

Series/Software	Devices/Versions		SysObjectID	Node-To-Node or Synthetic Test Support
	Hardware Models	MCS Versions		
Cisco 7800 Series Media Convergence Servers ¹ Note These media servers are supported only when running Cisco Unified Communications Manager, Customer Response Application, Personal Assistant, Cisco Emergency Responder, or Cisco Conference Connection.	HP: HP DL320 G2, DL320 G3, DL320 G4, DL320 G5, DL320 G5p, DL380 G3, DL380 G4, and DL380 G5	MCS7816H	1.3.6.1.4.1.9.1.900	—
		MCS7828H	1.3.6.1.4.1.9.1.901	
		MCS7845H	1.3.6.1.4.1.9.1.586	
		MCS7825H	1.3.6.1.4.1.9.1.583	
		MCS7835H	1.3.6.1.4.1.9.1.584	
	IBM: IBM Media Server x330, x340, x342, x345	MCS7815 I	1.3.6.1.4.1.9.1.582	—
		MCS7835 I	1.3.6.1.4.1.9.1.585	
		MCS7845 I	1.3.6.1.4.1.9.1.587	
		MCS7855 I	1.3.6.1.4.1.9.1.588	
		MCS7865 I	1.3.6.1.4.1.9.1.589	
	MCS7825 I	1.3.6.1.4.1.9.1.746		
	MCS7816 I	1.3.6.1.4.1.9.1.898		
	MCS7828 I	1.3.6.1.4.1.9.1.899		
Cisco DPA 7600 Series Gateways ^{2,3}	DPA 7610	1.3.6.1.4.1.9.1.381	—	
	DPA 7630	1.3.6.1.4.1.9.1.365	—	

Table 13 Voice and IP Communications (continued)

Series/Software	Devices/Versions	SysObjectID	Node-To-Node or Synthetic Test Support
Cisco IAD 2400 Series Integrated Access Devices ²	IAD 2420	1.3.6.1.4.1.9.1.362	Node-to-node
	IAD2430-24FXS	1.3.6.1.4.1.9.1.545	
	IAD2431-T1/E1	1.3.6.1.4.1.9.1.548	
	IAD2431-8FXS	1.3.6.1.4.1.9.1.546	
	IAD2431-16FXS	1.3.6.1.4.1.9.1.547	
Cisco VG200 Gateway ²	VG200	1.3.6.1.4.1.9.1.279	—
	VG224	1.3.6.1.4.1.9.1.558	—
	VG248 ⁴	1.3.6.1.4.1.9.1.404	—
Cisco Digital Gateways ⁵	DT-24+		—
	DE-30+		—
Unity Servers	Windows servers	1.3.6.1.4.1.311.1.1.3.1.2	—
	Domain controllers	1.3.6.1.4.1.311.1.1.3.1.3	—
Cisco Telepresence Manager	1.1	N/A	—
Cisco Telepresence System 1000	1.1		—
Cisco Telepresence System 3000	1.1		—
Cisco Unified Communications 500 Series for Small Business	UC520s8U4FXO	1.3.6.1.4.1.9.1.878	Node-to-node
	UC520s8U4FXOW	1.3.6.1.4.1.9.1.879	
	UC520s8U2BRI	1.3.6.1.4.1.9.1.880	
	UC520s8U2BRIW	1.3.6.1.4.1.9.1.881	
	UC520s16U4FXO	1.3.6.1.4.1.9.1.882	
	UC520s16U4FXOW	1.3.6.1.4.1.9.1.883	
	UC520s16U2BRI	1.3.6.1.4.1.9.1.884	
	UC520s16U2BRIW	1.3.6.1.4.1.9.1.885	
	UC520m32U8FXO	1.3.6.1.4.1.9.1.886	
	UC520m32U4BRI	1.3.6.1.4.1.9.1.888	
	UC520m48U12FXO	1.3.6.1.4.1.9.1.890	
	UC520m48U6BRI	1.3.6.1.4.1.9.1.892	
	UC520m48U1T1E1F	1.3.6.1.4.1.9.1.894	
	UC520m48U1T1E1B	1.3.6.1.4.1.9.1.895	
Cisco Unified Communications Manager ⁶	4.1, 4.2, 4.3, 5.0, 5.1, 6.0, 6.1, and 7.0(1)	N/A	Synthetic
Cisco Unified Communications Manager Business Edition	6.0, 6.1, 7.0(1)		Synthetic
Cisco Unified Communications Manager Express	(SRST) 3.4, 4.0, 4.1, 4.2, 4.3, Sip CME		Synthetic

Table 13 Voice and IP Communications (continued)

Series/Software	Devices/Versions	SysObjectID	Node-To-Node or Synthetic Test Support
Cisco Unified Contact Center Enterprise Edition	7.0, 7.1, 7.2, and 7.5(1)	1.3.6.1.4.1.9.1.693	—
Cisco Unified Contact Center Express Edition	4.5, 5.0, 5.1, and 7.0	N/A	—
Cisco Unified Customer Voice Portal	4.0	N/A	—
Cisco Expert Advisor	7.2		—
Cisco Unified MeetingPlace Enterprise	7.0		—
Cisco Unified MeetingPlace Express	2.0 and 2.1		—
Cisco Unified Presence Server	6.x and 7.0		—
Cisco Conference Connection	1.2		Synthetic
Cisco Emergency Responder	1.x, 2.x, and 7.0		Synthetic
Cisco IP Communicator	1.2, 7.0		—
Cisco Personal Assistant	1.3, and 1.4		—
Cisco Unity	4.x and 5.0 ⁷		Synthetic
Cisco Unity Connection	1.x/2.0, 2.1, and 7.0		Synthetic
Cisco Unity Express	2.x, 2.4, 3.0, and 3.1		Synthetic

Table 13 Voice and IP Communications (continued)

Series/Software	Devices/Versions	SysObjectID	Node-To-Node or Synthetic Test Support
Cisco Unified IP Phones	1040 Sensor	N/A	—
	7902		—
	7905		—
	7906		—
	7910		—
	7911		—
	7912		—
	7920		—
	7921		—
	7935		—
	7936		—
	7937		—
	7940		—
	7941G-GE		—
	7942		—
	7945		—
	7960		Synthetic
	7961		—
	7962		—
	7965		—
	7970		—
	7971		—
	7971GE		—
	7975		—
	7985		—
SP-12+	—		
SP-30+	—		
VIP-30	—		
Nokia IP Phone	S60 Dual Mode IP Phone ⁸	N/A	—

1. For a list of the tested Media Convergence Servers and the attributes that are monitored for each, see [Table 14](#).
2. Supported as IP infrastructure devices and as IP telephony devices.
3. Release 1.2(1) is the minimum supported version of Cisco DPA. However, the following problems that exist in release 1.2(1) are resolved as follows. When the Cisco DPA is configured in hybrid mode, it does not report the status of the PBX port; this problem is fixed in Cisco DPA Release 1.2(1.4). The CPU utilization value shown for the DPA is not correct; this problem is fixed in Cisco DPA Release 1.2(1.8).
4. Releases 1.1(2.1.5) and 1.2(1) are the minimum supported versions for VG248.
5. Supported as IP telephony devices.
6. The supported versions for Cisco Unified Communications Manager include the maintenance releases for the supported versions listed.

- 7. Environment Monitoring is not supported for Unity 4.0.5 installed on a 7835I2.
- 8. The Nokia Dual Mode IP Phone is only supported in Operations Manager when it is configured as a Cisco 7960 IP Phone.

Table 14 Media Servers Tested and Attributes Monitored by Operations Manager

Series Version	Software Application	IBM Serve RAID Manager	Attributes Monitored								
			Hard Disk Utilization	Virtual Memory Utilization	Physical RAM Utilization	System Fan Status	Power Supply Status	System Processor Utilization	Temp Sensor Status	Temp Sensor Temperature	Hard Disk Status
MCS 7835I	Cisco Unified Communications Manager 4.1(3.22506) ¹	8.30.00 (4857)	Yes	Yes	Yes	No	No	Yes	No	No	No
	Cisco Unified Communications Manager 4.1(3.22506) ¹	8.40.00 (16578)	Yes	Yes	Yes	No	No	Yes	No	No	No
	Cisco Unified Communications Manager 4.2(1) ²	8.30.00 (4857)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
	Cisco Unified Communications Manager 4.2(1) ²	8.40.00 (16578)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
MCS 7845I	Cisco Unified Communications Manager 5.5.5.3000-5	—	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
	Cisco Unity Connection 2.0.1.1000-334	—	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
	Cisco Unified Presence Server 6.0	—	Yes	Yes	Yes	No	No	Yes	No	No	No

1. OS version: 2000.4.4a.
 2. OS version: 2000.4.5a.

Table 15 **Wireless¹**

Series	Devices Supported	SysObjectID	Device Operating System		
			CatOS	IOS	
				Full Operations Manager Support	Partial Operations Manager Support ²
Cisco Aironet 1300 Series (IOS/partial)	BR1300	1.3.6.1.4.1.9.1.565			X
Cisco Aironet 1400 Series (IOS/partial)	BR1410	1.3.6.1.4.1.9.1.533			X
Cisco Aironet 1200 Series	AP1200	1.3.6.1.4.1.9.1.474			X
	AP1210/1230	1.3.6.1.4.1.9.1.525			X
Cisco Aironet 1130 AG Series	AP1130	1.3.6.1.4.1.9.1.618			X
Cisco Aironet 1100 Series	AP1100	1.3.6.1.4.1.9.1.507			X
Cisco Aironet 350 Series	AP350 ³	1.3.6.1.4.1.9.1.552			X
Cisco Aironet 340 Series	AP340 ³	1.3.6.1.4.1.9.1.379			X

1. Supported as IP infrastructure devices.
2. Operations Manager will manage the device but might not report all device attributes because (1) the device operating system does not support one or more of the MIBs polled by Operations Manager, and/or (2) the device MIB contains information that is not correctly populated.
3. Operations Manager supports the AP340 and AP350 running VxWorks. (Operations Manager also supports the AP350 running IOS.)

Table 16 *Third Party Servers*

Series	Devices Supported	MCS Versions
IBM Media Server Note IBM Media Servers are only supported when running Cisco Unified Communications Manager, Customer Response Application, Personal Assistant, Cisco Emergency Responder, or Cisco Conference Connection.	x205, x206m, x305, x306, x306m, x330, x340, x342, x345, x345D, x346, x346r, and x356rD	MCS7815 I MCS7816 I MCS7825 I MCS7828 I MCS7835 I MCS7845 I MCS7855 I MCS7865 I
HP Server Note HP Media Servers are only supported when running Cisco Unified Communications Manager, Customer Response Application, Personal Assistant, Cisco Emergency Responder, or Cisco Conference Connection.	DL320G2 DL320G3 DL320G4 DL320G5 DL320G5p DL380G3 DL380G4 DL380G5	MCS7825 H (2.4 GHz) and MCS7825 H (3.0 GHz) MCS7825 H1 MCS7825 H2 (2.8 GHz) and MCS7825 H2 (3.4 GHz) MCS7828 H3, MCS7825 H3, and MCS7816 H3 MCS7825 H4 and MCS7828 H4 MCS7835 H (2.2GHz), MCS7845 H (2.2GHz), MCS7835 H (3.0GHz), and MCS7845 H (3.0GHz) MCS7835 H1 and MCS7845 H1 MCS7835 H2 and MCS7845 H2

Devices Supported by Performance Graphing Cisco Unified Operations Manager 2.1

This section lists the Cisco model names of all devices that are supported for performance graphing in Operations Manager.

Table 17 *Interfaces and Modules—Performance Graphing Support*

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco Catalyst 6500 and Cisco 7600 Series Communications Media Module (CMM)	WS-SVC-CMM ⁴	T1 PRI/CAS E1 PRI FXS FXO	T1 PRI/CAS E1 PRI FXS FXO	Cisco IOS 12.3(8)XY
Network Modules	WS-X6608-T1 ⁴ WS-X6608-E1 ⁴ WS-X6624-FXS ⁴	T1 PRI/CAS E1 PRI FXS	—	—

1. Devices supported from a media server are Media Gateway Control Protocol (MGCP) gateways that are registered to a Cisco Unified Communications Manager on the media server.
2. Devices supported as network devices are Cisco DPAs or Cisco IOS gateways or gatekeepers configured with H.323 or SIP gateway ports and not controlled by any call agent (such as Cisco Unified Communications Manager).

3. Minimum software applies to network devices only.
 4. Operations Manager supports this module on supported Cisco Catalyst 6500 Series Switches only; (see [Table 19](#)).

Table 18 Routers and Routing Systems—Performance Graphing Support

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco 7500 Series Routers	7505	—	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(8)T
	7507			
	7507mx			
	7507z			
	7513			
	7513mx			
	7513z			
Cisco 7400 Series Routers	7401	—	T1/E1 PRI T1/E1 CAS	Cisco IOS 12.2(13)T
Cisco 7200 Series Routers	7202	—	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(13)T
	7204			
	7204VXR			
	7206			
	7206VXR			
Cisco MC3810 ⁴ Multiservice Access Concentrators	MC3810	—	T1 PRI/CAS E1 PRI/CAS FXO FXS E&M BRI	Cisco IOS 12.2(8)T
	MC3810-V3			
Cisco 3800 ⁴ Series Integrated Services Routers	3825	T1 PRI/CAS E1 PRI	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(13)T
	3845	FXO FXS BRI	FXO FXS BRI E&M	
Cisco 3700 ⁴ Series Multiservice Access Routers	3725	T1 PRI/CAS E1 PRI	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(8)T
	3745	FXO FXS	FXO FXS E&M BRI	

Table 18 Routers and Routing Systems—Performance Graphing Support (continued)

Series	Devices Supported	Supported Ports when Device Supported from Media Server¹	Supported Ports when Device Supported as Network Device²	Minimum Software³
Cisco 3600 ⁴ Series Multiservice Platforms	3620	T1 PRI/CAS	T1 PRI/CAS	Cisco IOS 12.2(8)T
	3640	E1 PRI	E1 PRI/CAS	
	3660	FXO	FXO	
	3661Ac	FXS	FXS	
	3661Dc		E&M	
	3662Ac		BRI	
	3662Dc			
	3662AcCo			
	3662DcCo			
Cisco 2800 ⁴ Series Integrated Services Routers	2801	T1 PRI/CAS	T1 PRI/CAS	Cisco IOS 12.3(8)T4
	2811	E1 PRI	E1 PRI/CAS	Cisco IOS 12.3(11)T
	2821	FXO	FXO	
	2851	FXS	FXS	
	BRI	BRI		
		E&M		

Table 18 Routers and Routing Systems—Performance Graphing Support (continued)

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco 2600 ⁴ Series Multiservice Platforms	2610	T1 PRI/CAS	T1 PRI/CAS	Cisco IOS 12.2(8)T
	2610XM 2610XM-DC 2610XM-RP5	E1 PRI FXO FXS	E1 PRI/CAS FXO FXS E&M BRI	
	2611			
	2611XM 2611XM-DC 2611XM-RP5			
	2612			
	2613			
	2620			
	2620XM 2620XM-DC 2620XM-RP5			
	2621			
	2621XM 2621XM-DC 2621XM-RP5			
	2650			
	2650XM 2650XM-DC 2650XM-RP5			
	2651			
	2651XM 2651XM-DC 2651XM-RP5			
	2691			
Cisco 1800 Series Integrated Services Routers	1861BCUE	T1 PRI/CAS E1 PRI FXO FXS	T1 PRI/CAS E1 PRI/CAS FXO FXS E&M BRI	Cisco IOS 12.2(8)T
	1861FCUE			
	18612BRI			
	18614FXO			
	1861SRSTCUE2B			
	1861SRSTCUE4F			

Table 18 Routers and Routing Systems—Performance Graphing Support (continued)

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco 1700 ⁴ Series Access Routers	1750	—	T1 PRI/CAS E1 PRI/CAS FXO FXS E&M BRI	Cisco IOS 12.2(8)T
	1751, 1751(V)	T1/E1 PRI T1 CAS	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(8)T
	1760(V)	FXO FXS	FXO FXS E&M BRI	Cisco IOS 12.2(11)T

1. Devices supported from a media server are Media Gateway Control Protocol (MGCP) gateways that are registered to a Cisco Unified Communications Manager on the media server.
2. Devices supported as network devices are Cisco DPAs or Cisco IOS gateways or gatekeepers configured with H.323 or SIP gateway ports and not controlled by any call agent (such as Cisco Unified Communications Manager).
3. Minimum software applies to network devices only.
4. Supports Cisco Unified Communications Manager Express and SRST. For these capabilities to be supported in performance graphing, the device must be running Cisco IOS 12.3.11 or later.

Table 19 Switches—Performance Graphing Support

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco Catalyst 6500 Series Switches with one of the following line cards: <ul style="list-style-type: none"> • WS-X6608-T1 • WS-X6608-E1 • WS-X6624-FXS • WS-SVC-CMM 	6503	See Table 17 for supported ports for each line card.	See Table 17 for supported ports for each line card.	See Table 17 for minimum software for each line card.
	6506			
	6509			
	6513			
Cisco Catalyst 6000 Series Switches with one of the following line cards: <ul style="list-style-type: none"> • WS-X6608-T1 • WS-X6608-E1 • WS-X6624-FXS 	6006	T1 PRI/CAS	—	—
	6009	E1 PRI FXS	—	—

Table 19 Switches—Performance Graphing Support (continued)

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco Catalyst 4000/4500 Access Gateway Module on any of the following devices: <ul style="list-style-type: none"> 4003, 4006 4503, 4506, 4507R 	WS-X4604-GWY	T1 PRI/CAS E1 PRI FXO FXS	T1 PRI/CAS E1 PRI/CAS FXO FXS BRI	Cisco IOS 12.2(13)T
Cisco Catalyst 4200 Series Switches	4224	T1 PRI/CAS E1 PRI FXO FXS	T1 PRI/CAS E1 PRI/CAS FXO FXS BRI E&M	Cisco IOS 12.2(13)T

1. Devices supported from a media server are Media Gateway Control Protocol (MGCP) gateways that are registered to a Cisco Unified Communications Manager on the media server.
2. Devices supported as network devices are Cisco DPAs or Cisco IOS gateways or gatekeepers configured with H.323 or SIP gateway ports and not controlled by any call agent (such as Cisco Unified Communications Manager).
3. Minimum software applies to network devices only.

Table 20 Universal Gateways—Performance Graphing Support

Series	Devices Supported	Supported Ports for Network Devices ¹	Minimum Software
Cisco AS5300 Series Universal Gateways	AS5300 Access Server	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(11)T
	AS5350 Universal Gateway		
	AS5350XM Universal Gateway		
Cisco AS5400 Series Universal Gateways	AS5400 Universal Gateway	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(11)T
	AS5400XM Universal Gateway		
Cisco AS5800 Series Universal Gateways	AS5800 Access Server	T1 PRI/CAS E1 PRI/CAS	Cisco IOS 12.2(2)T
	AS5850 Universal Gateway		Cisco IOS 12.2(11)T

1. Devices supported as network devices are Cisco DPAs or Cisco IOS gateways or gatekeepers configured with H.323 or SIP gateway ports and not controlled by any call agent (such as Cisco Unified Communications Manager).

Table 21 Voice and IP Communications—Performance Graphing Support

Series/Software	Devices/Versions	
Cisco 7800 Series Media Convergence Servers	IBM Hardware Models:	
	x205	MCS7815 I
	x206m	MCS7815 I2
	x305	MCS7825 I
	x306	MCS7825 I1
	x306m	MCS7825 I2
	x330	MCS7835 I
	x340	MCS7845 I
	x342	MCS7835 I1 and MCS7845 I1
	x345	MCS7845 I1
	x345D	MCS7845 I1
	x346	MCS7835 I1, MCS7845 I1
	x346D	MCS7825 I3 and MCS7828 I3
	x356rD	MCS7835 I2 and MCS7845 I2
	x346r	
	x3250	
	x3650	
	HP Proliant Models:	
	DL320G2	MCS7825H (2.4 GHz) and MCS7825H (3.0GHz)
	DL320G3	MCS7825 H1
DL320G4	MCS7825H2 (2.8 GHz) and MCS7825H2 (3.4 GHz)	
DL320G5	MCS7828 H3 , MCS7825-H3, and MCS7816 H3	
DL320G5p	MCS7825 H4 and MCS7828 H4	
DL380G3	MCS7835 H (2.2 GHz), MCS7845 H (2.2 GHz), MCS7835 H (3.0 GHz), and MCS7845H (3.0 GHz)	
DL380G4	MCS7835 H1 MCS7845 H1	
DL380G5	MCS7835 H2 and MCS7845 H2	

Table 21 Voice and IP Communications—Performance Graphing Support (continued)

Series/Software	Devices/Versions
Cisco Unified Communications 500 Series for Small Business	UC520s8U4FXO
	UC520s8U4FXOW
	UC520s8U2BRI
	UC520s8U2BRIW
	UC520s16U4FXO
	UC520s16U4FXOW
	UC520s16U2BRI
	UC520s16U2BRIW
	UC520m32U8FXO
	UC520m32U4BRI
	UC520m48U12FXO
	UC520m48U6BRI
	UC520m48U1T1E1F
UC520m48U1T1E1B	
Cisco Unified Communications Manager	4.0, 4.1, 4.2, 4.3, 5.0.2, 5.0.4, 5.1, 5.1.2, 5.1.3, 6.0, and 6.1
Cisco Unified Communications Manager Express ¹ (previously referred to as Call Manager Express)/SRST	3.4, 4.0, 4.1, 4.2, 4.3, Sip CME
Cisco Unity	4.x and 5.0
Cisco Unity Express ²	2.x, 2.4, 3.0, 3.1
Cisco Unity Connection	1.x, 2.0, 2.1, and 7.0(1)

1. The minimum Cisco IOS version is 12.3.11.
2. The SysObjectID for Cisco Unity Express network module (NM-CUE) is 1.3.6.1.4.1.9.1.622. The ysObjectID for Cisco Unity Express advanced integration module (AIM-CUE) is 1.3.6.1.4.1.9.1.623. The SysObjectIDs for NM-CUE-EC is 1.3.6.1.4.1.9.1.711, NME-CUE is 1.3.6.1.4.1.9.1.866, AIM2-CUE is 1.3.6.1.4.1.9.1.867 and UC500-CUE is 1.3.6.1.4.1.9.1.868.

Table 22 Voice Gateways—Performance Graphing Support

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco DPA 7600 Series Gateways	DPA 7610	—	PBX Voice mail	1.2.1
	DPA 7630			
Cisco IAD2400 ⁴ Series Integrated Access Devices	IAD2430-24FXS	—	FXS T1 PRI/CAS E1 PRI/CAS FXO FXS BRI	Cisco IOS12.3(4)XD
	IAD2431-8FXS			
	IAD2431-16FXS			
	IAD 2431-1T1E1			Cisco IOS12.3(7)T

Table 22 Voice Gateways—Performance Graphing Support (continued)

Series	Devices Supported	Supported Ports when Device Supported from Media Server ¹	Supported Ports when Device Supported as Network Device ²	Minimum Software ³
Cisco VG200 Gateways	VG200	T1 PRI/CAS E1 PRI FXO FXS	T1 PRI/CAS E1 PRI FXO FXS E&M BRI	Cisco IOS 12.2(8)T
	VG224 ⁴	FXS	FXS	Cisco IOS 12.3(4)XD
Cisco Digital Gateways	DT-24+	T1 PRI/CAS	—	—
	DE-30+	E1 PRI	—	—

1. Devices supported from a media server are Media Gateway Control Protocol (MGCP) gateways that are registered to a Cisco Unified Communications Manager on the media server.
2. Devices supported as network devices are Cisco DPAs or Cisco IOS gateways or gatekeepers configured with H.323 ports and not controlled by any call agent (such as Cisco Unified Communications Manager).
3. Minimum software applies to network devices only.
4. Supports Cisco Unified Communications Manager Express and SRST. For these capabilities to be supported in performance graphing, the device must be running Cisco IOS 12.3.11 or later.