



Readme for CiscoWorks Device Fault Manager 2.0.4 on Windows

7 April 2006

This Readme file is for CiscoWorks Device Fault Manager (DFM) 2.0.4 on Windows. (DFM 2.0.4 is also known as DFM 2.0 Service Pack 4.) It contains the following sections:

- [Description, page 2](#)
- [Related Documentation, page 3](#)
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- [Downloading DFM 2.0.4, page 10](#)
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- [Known DFM 2.0.4 Problems, page 12](#)
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Description

DFM 2.0.4 is a collection of updated files necessary to provide support for the devices listed in [New Device Support, page 3](#), and the bug fixes listed in [Resolved DFM Problems, page 16](#).

DFM 2.0.4 is cumulative and contains:

- All of the device support provided through DFM 2.0.3, which is listed in [New Device Support, page 3](#).
- All of the bug fixes provided through DFM 2.0.3, which are listed in [Resolved DFM Problems, page 16](#).
- Support for the following CISCO-STACKWISE-MIB pass-through traps:
cswStackPortChange
cswStackNewMaster
cswStackMismatch
cswStackRingRedundant
cswStackMemberRemoved



Caution

You cannot remove DFM 2.0.4 after installing it; to return to your original configuration, you will have to uninstall and reinstall DFM. Therefore, you should save your configuration before installing DFM 2.0.4 as described in [Installing the DFM 2.0.4, page 11](#).

DFM 2.0.4 contains only the updated files, not a complete DFM image.

Related Documentation

Information about DFM 2.0.3 is available from Cisco.com. (DFM 2.0.3 is the latest version of DFM and is a prerequisite for DFM 2.0.4.) Go to <http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/dfm/index.htm>.

**Note**

For the status of DFM bugs that are due to device-specific problems, refer to *Status of DFM Device Agent Bugs (DFM 1.x and 2.x)* on Cisco.com at this URL: http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/dfm/dev_sup/index.htm.

**Note**

You should print out and read this document before installing DFM 2.0.4.

New Device Support

This section lists the device support provided by DFM 2.0.4. The object identifiers (OIDs) for all devices are provided in the device support table for DFM 2.0.3. You can view this table on Cisco.com by going to http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/dfm/dev_sup/dfm2_0_3.htm.

DFM 2.0.4 provides the following new device support:

- Cisco Routers:
 - Cisco Carrier Routing System: CRS-1
 - Cisco 800 Series: 871, 876, 878 Integrated Services Routers
 - Cisco 1800 Series Integrated Services Routers: 1801, 1802, 1811
- Cisco Switches and Hubs (the following switches are supported when running Cisco IOS software):
 - Cisco ME 2400 Series Ethernet Access Switch: 2440
 - Cisco Catalyst 2960 Series Switches: 2960-24, 2960-48, 2960G-24, 2960-24TT, 2960-48TT

- Cisco ME 3400 Series Ethernet Access Switch: 3440
- Cisco Catalyst 3750 Series Switches: 3750-24FS, 3750-24PS, 3750-24TS, 3750-48PS, 3750G-16TD, 3750G-24PS, 3750G-24TS1U, 3750G-48PS, 3750G-48TS
- Cisco Catalyst 4900 Series Switches: 4948-10GE
- Cisco Voice and IP Communications:
 - Cisco MeetingPlace Express (host)

Table 1 Device Support Provided in DFM 2.0.4

Device	DFM Version			
	2.0.4	2.0.3	2.0.2	2.0.1
Cisco Broadband Cable				
Cisco UBR900 Series Cable Access Routers				
uBR 905	X	X	X	X
Cisco Content Networking Devices				
Cisco 500 Series Content Engines				
CE-511	X	X	X	
Cisco 4600 Series Content Distribution Managers				
CDM-4630	X	X	X	X
CDM-4650	X	X	X	X
Cisco CSS 11500 Series Content Services Switches				
CSS 11501	X	X		
CSS 11502	X	X		
CSS 11503	X	X		
Cisco Interfaces and Modules				
Cisco 2600 Series Content Engine Module CE 2636	X	X	X	X
Cisco Network Analysis Module for 2600/3600/3700 Series	X	X	X	X
Cisco 3201 Wireless Mobile Interface Card (WMIC) for Cisco 3200 Series Mobile Access Routers	X	X	X	X

Table 1 Device Support Provided in DFM 2.0.4 (continued)

Device	DFM Version			
	2.0.4	2.0.3	2.0.2	2.0.1
Cisco Interfaces and Modules (continued)				
Cisco Catalyst 6500 & Cisco 7600 Series Communications Media Module (WS-SVC-CMM)	X	X	X	X
Cisco Service Modules: RPM-XF for MGX 8800 Series Switches	X	X	X	
Cisco Network Management				
Cisco Wireless LAN Solution				
Cisco Wireless LAN Solution Engine 2.8	X	X	X	X
CiscoWorks for Wireless LAN Solution Engine				
1030	X	X	X	X
1130	X	X	X	X
Cisco Optical Networking				
Cisco ONS 1540 Series				
ONS-15454	X	X	X	X
Cisco Routers and Routing Systems				
Cisco Carrier Routing System				
CRS-1	X			
Cisco SOHO 70 Series Routers				
SOHO 76	X	X	X	X
SOHO 77H	X	X	X	X
Cisco Small Business Routers				
SB101	X	X	X	
SB106	X	X	X	
SB107	X	X	X	

Table 1 Device Support Provided in DFM 2.0.4 (continued)

Device	DFM Version			
	2.0.4	2.0.3	2.0.2	2.0.1
Cisco Routers and Routing Systems (continued)				
Cisco 800 Series Integrated Services Routers				
857	X	X		
871	X			
876	X			
877	X	X		
878	X			
Cisco 1800 Series Integrated Services Routers				
1801	X			
1802	X			
1811	X			
1841	X	X	X	X
Cisco MWR 1900 Mobile Wireless Routers				
MWR 1900	X	X	X	X
Cisco 2800 Series Integrated Services Routers				
2801	X	X	X	X
2811	X	X	X	X
2821	X	X	X	X
2851	X	X	X	X
Cisco 3800 Series Routers				
3825	X	X	X	X
3845	X	X	X	X

Table 1 Device Support Provided in DFM 2.0.4 (continued)

Device	DFM Version			
	2.0.4	2.0.3	2.0.2	2.0.1
Cisco Routers and Routing Systems (continued)				
Cisco 12000 Series (Gigabit Router)				
12010 GSR	X	X	X	
Cisco Security and VPN				
Cisco VPN 3000 Series Concentrators				
VPN 3002	X	X	X	X
Cisco 7100 Series VPN Routers				
7140-2FE	X	X	X	X
Cisco Storage Networking				
Cisco MDS 9200 Series Multilayer Fabric Switches				
MDS-9216A	X	X	X	
Cisco Switches and Hubs				
Cisco ME 2400 Series Ethernet Access				
ME 2440 (Cisco IOS)	X			
Cisco Catalyst 2960 Series Switches				
2960-24 (Cisco IOS)	X			
2960-48 (Cisco IOS)	X			
2960G-24 (Cisco IOS)	X			
2960-24TT (Cisco IOS)	X			
2960-48TT (Cisco IOS)	X			
Cisco ME 3400 Series Ethernet Access Switches				
ME 3440 (Cisco IOS)	X			

Table 1 Device Support Provided in DFM 2.0.4 (continued)

Device	DFM Version			
	2.0.4	2.0.3	2.0.2	2.0.1
Cisco Switches and Hubs (continued)				
Cisco Catalyst 3560 Series Switches				
3560G-24PS (Cisco IOS)	X	X	X	X
3560G-24TS (Cisco IOS)	X	X	X	X
3560G-48PS (Cisco IOS)	X	X	X	X
3560G-48TS (Cisco IOS)	X	X	X	X
Cisco Catalyst 3750 Series Switches				
3750-24FS (Cisco IOS)	X			
3750-24PS (Cisco IOS)	X			
3750-24TS (Cisco IOS)	X			
3750-48PS (Cisco IOS)	X			
3750G-16TD (Cisco IOS)	X			
3750G-24PS (Cisco IOS)	X			
3750G-24TS1U (Cisco IOS)	X			
3750G-48PS (Cisco IOS)	X			
Cisco Catalyst 3750 Metro Series Switches				
ME-3750-24TE-MA AC Switch (Cisco IOS)	X	X	X	X
ME-3750-24TE-MD DC Switch (Cisco IOS)	X	X	X	X
Cisco Catalyst 4900 Series Switches				
4948 (Cisco IOS)	X	X	X	X
4948-10GE (Cisco IOS)	X			
Cisco Catalyst G-L3 Series Switches				
4908G-L3 (Cisco IOS)	X	X	X	X
Cisco Catalyst 6500 Series Switches				
6509-NEBA (Cisco IOS)	X	X	X	X

Table 1 Device Support Provided in DFM 2.0.4 (continued)

Device	DFM Version			
	2.0.4	2.0.3	2.0.2	2.0.1
Cisco Switches and Hubs (continued)				
Cisco Systems Intelligent Gigabit Ethernet Switch Module (IGESM) for IBM eServer BladeCenter	X	X	X	X
Cisco Gigabit Ethernet Switch Module (CGESM) for HP Blade Server	X	X	X	
Cisco Voice and IP Communications				
Cisco IAD 2400 Series Integrated Access Devices				
IAD 2420	X	X	X	X
IAD 2431-T1/E1	X	X	X	X
Cisco 7800 Series Media Convergence Servers				
7825H	X	X	X	X
7835H	X	X	X	X
7845I	X	X	X	X
Cisco IP Contact Center				
IPCC	X	X	X	
Cisco MeetingPlace				
MeetingPlace Express (Host)	X			
Cisco Wireless				
Cisco Aironet 340 Series				
AP340 (VxWorks)	X	X	X	X
Cisco Aironet 1130 Series				
AP 1130	X	X	X	

Hardware and Software Requirements

DFM 2.0.4 can be installed on a system running the following software:

- DFM 2.0.3, which is part of LAN Management Solution 2.5.1. If your system is currently running DFM 2.0 (with or without any DFM service packs), you must upgrade to DFM 2.0.3 using the LAN Management Solution 2.5 December 2005 Updates. You can download these updates by logging in to Cisco.com and going to:

<http://www.cisco.com/cgi-bin/tablebuild.pl/lms25>

- Common Services MDF Package Version 1.9 or higher

[Installing the DFM 2.0.4, page 11](#), provides instructions on how to verify the DFM and MDF versions that are on your system.

For information on installing DFM 2.0.3, refer to *Installing and Setting Up Device Fault Manager 2.0.3 on Windows*. You can view this documentation on Cisco.com by going to:

<http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/dfm/dfm203/install/windows/index.htm>.

Downloading DFM 2.0.4

DFM 2.0.4 files are downloaded in a compressed form. To prevent overwriting of files in existing directories as well as ensure that adequate disk space is available, users should download the files to a temporary working area of their server, and then uncompress the files.



Note

You can also use the Common Services Device Update function to download DFM 2.0.4. For more information, from the Common Services home page, select **Software Center > Software Update** and click **Help**.

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- Step 1** Make sure you have adequate free space, then, from the DFM download page at <http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-dfm>, click the link to `cwdfm2_0_4_win.zip`, and follow the instructions to download the zip file to a temporary working area of your server.
- Step 2** Unzip all files into the temporary working area.
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Installing the DFM 2.0.4



Caution

You cannot remove DFM 2.0.4 after installing it; to return to your original configuration, you will have to uninstall and reinstall DFM. Therefore, you should save your configuration before installing DFM 2.0.4 as described in [Step 1](#).

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- Step 1** Make sure that you have a backup of your configuration, in case you need to revert back to it. (DFM 2.0.4 cannot be uninstalled.)
- Step 2** Verify that DFM 2.0.3 is installed:
- a. From the Common Services home page, select **Software Center > Software Update**.
 - b. In the Products Installed table, verify that the Device Fault Manager row lists Version 2.0.3.
 - If DFM 2.0.3 is listed, proceed to [Step 3](#).
 - If DFM 2.0.3 is not listed, exit the installation and install the LMS 2.5 December 2005 Updates by logging in to Cisco.com and going to <http://www.cisco.com/cgi-bin/tablebuild.pl/lms25>.
- Step 3** Verify that Common Services MDF package version 1.9 (or higher) is installed:
- a. From the Common Services home page, select **Software Center > Device Update**.
 - b. In the Products Installed table, click the CiscoWorks Common Services link. The Package Map page opens.

- c. Check the page under Patches Installed:
 - If MDF Package Version 1.9 (or higher) is listed, proceed to [Step 4](#).
 - If either MDF Package Version 1.9 (or higher) is not listed *or* no MDF package is listed, return to the Software Updates page, click **Help**, and follow the instructions to download the MDF package.
- Step 4** Move to the directory in which the unzipped DFM files reside, and run the installation script by double-clicking `cwdfm2_0_4_win.exe`.
- Step 5** Follow the prompts in the installation script. The options displayed by the installation script depend on your configuration.
- Step 6** When the installation is finished, click **Finish** to exit the installer.
- Step 7** Verify the installation:
- a. From the Common Services home page, select **Software Center > Software Update**.
 - b. In the Products Installed table, verify that the version corresponding to Device Fault Manager is 2.0.4.
- Step 8** Rediscover the new devices using the DFM home page:
- If you are using automatic synchronization with the DCR, select **Device Management > Rediscover/Delete**.
 - If you are using manual synchronization with the DCR, select **Device Management > Device Selector** and add the devices to the DFM inventory. The devices will be rediscovered when they are added to DFM.
- Step 9** Remove the distribution files from the temporary working area on your server.

Known DFM 2.0.4 Problems

The following table describes the known problems in DFM 2.0.4. Unless otherwise specified, there is no workaround for these problems.



Note

To obtain more information about known problems, access the Cisco Software Bug Toolkit at <http://www.cisco.com/cgi-bin/Support/Bugtool/home.pl>. (You will be prompted to log into Cisco.com.)

For a list of known problems in Device Fault Manager 2.0.3, go to http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/dfm/dfm203/rel_note/win_rn.htm.

**Note**

For the status of other DFM bugs that are due to device-specific problems, refer to *Status of DFM Device Agent Bugs (DFM 1.x and 2.x)* on Cisco.com at this URL:

http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/dfm/dev_sup/index.htm.

Table 2 Known Problems in DFM 2.0.4

Bug ID	Summary	Explanation
CSCsd89666	Bogus events not cleared when device is rediscovered	When a device is rediscovered, DFM does not clear the bogus events introduced by CSCsb04678 (CSCsb04678 was fixed in this release). The workaround is to delete and re-add the device.
CSCsd10237	Cisco 1801, 1802, 1811: Temperature OutOfRange events not generated	DFM does not report temperature OutOfRange events for the Cisco 1801, 1802, or 1811 because the following OIDs are not implemented in the devices: ciscoEnvMonTemperatureStatusValue: .1.3.6.1.4.1.9.9.13.1.3.1.3 ciscoEnvMonTemperatureThreshold: .1.3.6.1.4.1.9.9.13.1.3.1.4 A bug has been opened against these devices (CSCsd45881).
CSCsd63851	Uninstalling DFM 2.0.4 results in log4j errors	While DFM 2.0.4 is uninstalled, several log4j errors are displayed in the uninstallation log. Ignore the messages.

Table 2 Known Problems in DFM 2.0.4 (continued)

Bug ID	Summary	Explanation
CSCsd64093	3750 devices: Temperature StateNotNormal events not generated	<p>DFM 2.0.4 does not report temperature StateNotNormal events for these devices: 3750-24FS, 3750-24PS, 3750-24TS, 3750-48PS, 3750G-16TD, 3750G-24PS, 3750G-24TS1U, 3750G-48PS, 3750G-48TS.</p> <p>This is because the ciscoEnvMonTemperature object is incorrectly implemented. A bug has been opened against the devices (CSCsd88978).</p>
CSCsd70857	3750 devices: Temperature components are not managed or displayed	<p>DFM 2.0.4 does not manage or display any temperature components for the following 3750 devices: 3750-24FS, 3750-24PS, 3750-24TS, 3750-48PS, 3750G-16TD, 3750G-24PS, 3750G-24TS1U, 3750G-48PS, 3750G-48TS.</p> <p>This is because the ciscoEnvMonTemperature object is correctly implemented. A bug has been opened against the devices (CSCsd88978).</p>
CSCsd37535	DFM 2.0.4: Missing DDV info is displayed using hyperlinks	<p>In DFM 2.0.4, when a user selects Interface or Port from the Detailed Device View, the page that opens no longer lists the Display Name, Port Key, and VLAN ID. (These columns were redundant and were removed to make the DDV more readable.)</p>

Table 2 Known Problems in DFM 2.0.4 (continued)

Bug ID	Summary	Explanation
CSCsd74039	CISCO-STACKWISE-MIB trap event page lacks information	<p>DFM 2.0.4 supports the following traps:</p> <p>cswStackPortChange(.1.3.6.1.4.1.9.9.500.0.0.1) cswStackNewMaster(.1.3.6.1.4.1.9.9.500.0.0.2) cswStackMismatch(.1.3.6.1.4.1.9.9.500.0.0.3) cswStackRingRedundant(.1.3.6.1.4.1.9.9.500.0.0.4) cswStackMemberRemoved(.1.3.6.1.4.1.9.9.500.0.0.6)</p> <p>These traps are normally generated when a new switch is added or deleted from a cluster. (For example, the cswStackPortChange trap is generated when the state of a stack port has changed.) But the trap Event page does not supply useful information, such as the port name, or whether it is up, down, or forcefully down.</p> <p>The following varbinds should be captured in the Event details page for the corresponding traps:</p> <ul style="list-style-type: none"> • cswStackPortChange Trap: ifIndex, cswStackPortOperStatus and cswSwitchNumCurrent • cswStackNewMaster Trap: cswSwitchNumCurrent • cswStackMismatch Trap: cswSwitchState and cswSwitchNumCurrent • cswStackRingRedundant Trap: cswRingRedundant
CSCsd75410	CRS routers: Processor events not generated (cpmCPUTotal5minRev)	<p>DFM does not report processor events for CRS routers because the following OID is not implemented for processor utilization:</p> <p>cpmCPUTotal5minRev: .1.3.6.1.4.1.9.9.109.1.1.1.1.8</p> <p>(This attribute represents the overall CPU busy percentage in the last 5-minute period.)</p>

Table 2 Known Problems in DFM 2.0.4 (continued)

Bug ID	Summary	Explanation
CSCsd76617	CRS routers: Most network adapter events are not generated	For CRS routers, the only network adapter event that DFM reports is the HighUtilization event (even though the appropriate OIDs are implemented in the device).
CSCsd78100	WLSE: Switchover events not generated when added through VIP in NAT	When a WLSE device is added to DFM using VIP, and the device is configured with a NAT address, DFM does not generate any switchover events or traps after services are started or stopped.

Resolved DFM Problems

The following tables describe DFM problems that are resolved in DFM 2.0.4.

Table 3 Problems Resolved in DFM 2.0.4

Bug ID	Summary	Explanation
CSCsb17098	DFM version displayed in Software Update is incorrect	The DFM version displayed under Common Services > Software Center > Software Update did not reflect the correct DFM version. The correct version is now displayed.
CSCsc63868	CSS devices: Device is listed as Unknown device type	When a CSS 11501, 11503, or 11506 device running WebNS 7.4 or later was added to DFM, it was listed as an Unknown device type. These devices are now listed correctly.
CSCsb96943	In device name, dot is missing between name and domain	After importing devices from the DCR to DFM, a device would occasionally go to the Questioned state because the dot in the device name (between the name and domain) disappeared. This problem no longer occurs.

Table 3 Problems Resolved in DFM 2.0.4 (continued)

Bug ID	Summary	Explanation
CSCsb87452	LMS 2.5 Dec. 2005 Updates: Rediscovery Schedule does not work	When updating to DFM 2.0.3 using LMS 2.5 December 2005 Updates, the DFM Rediscovery Schedule sometimes failed to run. It now runs correctly.
CSCsa97721	120 dpi font resolution renders Alerts and Activities display unreadable	Setting font resolution to 120 dpi on a high resolution monitor rendered the Alerts and Activities display unreadable. The display is now readable.
CSCsb86237	Cannot customize thresholds for Interfaces and Modules group	When a user selected Polling and Thresholds > Managing Thresholds and tried to customize thresholds for Cisco Interfaces and Modules, the Customize Settings page opened but did not display any settings that could be changed. The settings are now correctly displayed.
CSCsb04914	DFM Help Desk user should not be able to manage/unmanage devices and interfaces	A user with the Help Desk role could manage and unmanage devices and interfaces (from either the Detailed Device View, or by editing polling parameters from Configuration > Polling Parameters). Help Desk users should not have had those privileges. The privileges are now correctly enforced.
CSCsc02403	Alerts and Activities Details page information not propagated	When a user clicked an alert ID in the Alerts and Activities display, the Alerts and Activities Details page opened, but occasionally no event details were displayed (or it took up to 30 minutes to display the information). This problem no longer occurs.
CSCsa79675	Cannot read Detailed Device View screen	Detailed Device View columns in DFM 2.x were not readable because they were too small. The information is now readable.
CSCsb04678	DFM 2.0 displays bogus device info for selected alerts	When a user clicked an alert ID for a given device, DFM occasionally displayed alerts that were for different devices. DFM now displays the appropriate alerts.

Table 3 Problems Resolved in DFM 2.0.4 (continued)

Bug ID	Summary	Explanation
CSCsb16311	Alerts and Activities alarm not updated when most severe event cleared	When the most severe event associated with an alert was cleared, DFM did not update the Alerts and Activities display to show the current status of all the events. The display is now updated.
CSCsa66807	DDV has meaningless redundancy related information	The following redundancy-related information was displayed on the Detailed Device View for the CE-2636, CDM-4650, CE-511, and WLSE 2.8: RedundancyState LastSwitchOverTime LastSwitchOverReason This information should not have been listed, since it was meaningless for these devices. It is no longer listed.
CSCsb59510	DDV displays error page	DFM occasionally displayed an error page when a user opened a Detailed Device View, clicked the device IP address radio button, and then clicked either the Device Attribute or Information link (on the right side of the page). This error was displayed: Problem with File /WEB-INF/screens/ddv.jsp!!!Cannot find bean ddvhtmltable in scope null This error no longer occurs.
CSCsc18405	Trap and Syslog Notification recipients are cleared	Existing trap and syslog recipients were sometimes cleared when a user tried to edit them. This happened when the user edited an existing subscription, and then went back a step in the procedure. The recipients are no longer cleared.
CSCsb16307	Fault not attached when user selects Notify in A&A Details display	When a user clicked Notify from the Alerts and Activities Details page, an e-mail was sent, but with no alert information. The e-mail now contains the alert information.

Table 3 Problems Resolved in DFM 2.0.4 (continued)

Bug ID	Summary	Explanation
CSCsc92186	DFM does not support SHA-1 SNMPv3 authentication algorithm	DFM 2.0.3 could not discover devices using SNMPv3 with SHA-1 as its hashing algorithm, because DFM considered SHA-1 an invalid SNMP protocol. DFM now correctly discovers these devices.
CSCsb73377	6503 CatOS: Bogus ExcessiveFragmentation events for LargestFreeBuffer	DFM generated bogus ExcessiveFragmentation alerts for the 6503 CatOS LargestFreeBuffer. This was because the device was incorrectly classified. This problem no longer occurs.
CSCsd31511	Rediscovery Schedule displays 500 Server Error	When a user selected Configuration > Other Configuration > Rediscovery Schedule , the system sometimes displayed a 500 Internal Server error. Investigation showed that this occurred predominantly when DFM was installed with Resource Manager Essentials (RME), and RME was running several periodic system jobs (collection, polling, purging, and so forth). The Rediscovery Schedule now works correctly.
CSCsc49794	DFM does not add device using correct IP address	When a switch with multiple IP addresses was added to DFM, DFM did not use the specified IP address when creating the object instance in the DFM engine. This caused the device to go to the Unknown discovery state. The device is now correctly discovered.
CSCsb14294	DFM polls MFSC 15.1/16.1 internal interfaces	DFM 2.0 polled the 6506 MSFC internal interfaces 15/1 and 16/1. It no longer polls these interfaces.
CSCsc05115	DFM does not discover MeetingPlace Express as Host	DFM did not discover the Cisco MeetingPlace Express (1.3.6.1.4.1.9.1.710) as a host. This device is now placed in the Host class.

Table 3 Problems Resolved in DFM 2.0.4 (continued)

Bug ID	Summary	Explanation
CSCsb21876	Cat 3750: Standalone switches (without stack) not supported	DFM reported all of the following Catalyst 3750 switches with the same OID, because DFM assumed they would be used in a stack: 3750-24FS, 3750-24PS, 3750-24TS, 3750-48PS, 3750G-16TD, 3750G-24PS, 3750G-24TS1U, 3750G-48PS, and 3750G-48TS. DFM now uses the individual OID along with the stack OID.
CSCsb57090	CSS device no longer supported because sysObjectID changed	For CSS 11503 and 11506 devices running WebNS 7.4 or higher, DFM did not correctly discover the devices. They are now correctly discovered.
CSCsc38566	DFM should not create virtual interface objects	DFM created objects for virtual interfaces, but it should not have done so. This was problematic for networks containing routers that had large numbers of virtual interfaces (because the objects, which contain little information, used system resources and discovery time). These objects are no longer created.
CSCsc76777	Sup720 and NAM cards: Correct names not displayed	The Detailed Device View did not display the correct names for the Sup720 and NAM cards. The names are now correctly shown.
CSCsc76732	3750: Support stack MIB	DFM did not generate any alerts if a 3750 switch was removed from the stack. DFM now generates an alert for the following CISCO-STACKWISE-MIB pass-through traps: cswStackPortChange cswStackNewMaster cswStackNewMember cswStackMismatch cswStackRingRedundant cswStackMemberRemoved
CSCsc53019	ASL ERROR in DFM.log file	The DFM.log file sometimes contained ASL-ERROR messages. These errors no longer appear in the log.

Table 3 *Problems Resolved in DFM 2.0.4 (continued)*

Bug ID	Summary	Explanation
CSCsc41119	CSS devices: DFM does not report processor or memory events	DFM did not report processor or memory HighUtilization events on CSS 11501, 11503, or 11506 devices running WebNS 7.4 or later. The events are now correctly reported.
CSCsd31319	Running notifications not sent when DFM is restarted	If a user restarted DFM, previously existing notifications stopped running. The notifications now run correctly after restart.
CSCsd00991	DFM should not create async interfaces on Access Servers	DFM was creating and managing all Access Server async interfaces (SLIP itType=28), even though they are logical interfaces. DFM no longer manages these interfaces.
CSCsc91394	Notification subscriptions do not work after upgrade to DFM 2.0.3	Notification subscriptions stopped working after upgrading to DFM 2.0.3. This was due to an NOSServer registration problem. The subscriptions now work correctly after upgrading.

