



Readme for CiscoWorks Device Fault Manager 2.0.4 on Solaris

7 April 2006

This Readme file is for CiscoWorks Device Fault Manager (DFM) 2.0.4 on Solaris. (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](#)
- [New Device Support, page 3](#)
- [Hardware and Software Requirements, page 10](#)
- [Downloading DFM 2.0.4, page 10](#)
- [Installing DFM 2.0.4, page 11](#)
- [Known DFM 2.0.4 Problems, page 13](#)
- [Resolved DFM Problems, page 16](#)



Corporate Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

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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 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.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 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 Solaris*. 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/solaris/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_sol.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:
- ```
unzip cwdfm2_0_4_sol.zip
```
- 

## Installing 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:
- From the Common Services home page, select **Software Center > Software Update**.
  - 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 later) is installed:
- From the Common Services home page, select **Software Center > Device Update**.
  - 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 later) is listed, proceed to [Step 4](#).
  - If either MDF Package Version 1.9 (or later) 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 2.0.4 files reside, and run the installation script:

```
cd cwdfm2_0_4_sol
./setup.sh
```




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**Note** You can run the installation remotely. For information on mounting and unmounting disks, refer to *Installation and Setup Guide for Device Fault Manager on Solaris*. You can view this document by logging onto Cisco.com and going to <http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/dfm/dfm20/install/solaris/index.htm>.

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**Step 5** Follow the prompts in the installation script. The options displayed by the installation script depend on your configuration.

**Step 6** 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 7** 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 8** Remove the distribution files from the temporary working area on your server.

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# Known DFM 2.0.4 Problems

The following tables describe 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](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](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. |

Table 2 Known Problems in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                             | Explanation                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:<br><br>ciscoEnvMonTemperatureStatusValue:<br>.1.3.6.1.4.1.9.9.13.1.3.1.3<br>ciscoEnvMonTemperatureThreshold:<br>.1.3.6.1.4.1.9.9.13.1.3.1.4<br><br>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.                                                                                                                                                                                                                                              |
| CSCsd64093 | 3750 devices: Temperature StateNotNormal events not generated       | 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.<br><br>This is because the ciscoEnvMonTemperature object is incorrectly implemented. A bug has been opened against the devices (CSCsd88978).                           |
| CSCsd70857 | 3750 devices: Temperature components are not managed or displayed   | 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.<br><br>This is because the ciscoEnvMonTemperature object is correctly implemented. A bug has been opened against the devices (CSCsd88978).            |

Table 2 Known Problems in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                   | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CSCsd37535 | DFM 2.0.4: Missing DDV info is displayed using hyperlinks | 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.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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)<br/> cswStackNewMaster(.1.3.6.1.4.1.9.9.500.0.0.2)<br/> cswStackMismatch(.1.3.6.1.4.1.9.9.500.0.0.3)<br/> cswStackRingRedundant(.1.3.6.1.4.1.9.9.500.0.0.4)<br/> 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"> <li>• cswStackPortChange Trap: ifIndex, cswStackPortOperStatus and cswSwitchNumCurrent</li> <li>• cswStackNewMaster Trap: cswSwitchNumCurrent</li> <li>• cswStackMismatch Trap: cswSwitchState and cswSwitchNumCurrent</li> <li>• cswStackRingRedundant Trap: cswRingRedundant</li> </ul> |

Table 2 Known Problems in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                             | Explanation                                                                                                                                                                                                                                                                               |
|------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CSCsd75410 | CRS routers: Processor events not generated (cpmCPUTotal5minRev)    | DFM does not report processor events for CRS routers because the following OID is not implemented for processor utilization:<br><br>cpmCPUTotal5minRev:<br>.1.3.6.1.4.1.9.9.109.1.1.1.1.8<br><br>(This attribute represents the overall CPU busy percentage in the last 5-minute period.) |
| 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 <b>Common Services &gt; Software Center &gt; Software Update</b> did not reflect the correct DFM version. The correct version is now displayed. |

Table 3 Problems Resolved in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                                         | Explanation                                                                                                                                                                                                                                                                                                   |
|------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                              |
| 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 <b>Polling and Thresholds &gt; Managing Thresholds</b> 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 <b>Configuration &gt; Polling Parameters</b> ). Help Desk users should not have had those privileges. The privileges are now correctly enforced. |

Table 3 Problems Resolved in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                                | Explanation                                                                                                                                                                                                                                                                                                                           |
|------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                                       |
| 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:<br><br>RedundancyState<br>LastSwitchOverTime<br>LastSwitchOverReason<br><br>This information should not have been listed, since it was meaningless for these devices. It is no longer listed. |

Table 3 Problems Resolved in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                               | Explanation                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CSCsb59510 | DDV displays error page                                               | <p>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:</p> <pre>Problem with File /WEB-INF/screens/ddv.jsp!!!Cannot find bean ddvhtmltable in scope null</pre> <p>This error no longer occurs.</p> |
| 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 <b>Notify</b> 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.                                                                                                                                                                                                                           |
| 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.                                                                                                                                                                                                                             |

Table 3 Problems Resolved in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                     | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CSCsd31511 | Rediscovery Schedule displays 500 Server Error              | When a user selected <b>Configuration &gt; Other Configuration &gt; Rediscovery Schedule</b> , 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.                                                                                                                                                                                                                                                                                            |
| 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.                                                                                                                                                                                                                                                                                  |

Table 3 Problems Resolved in DFM 2.0.4 (continued)

| Bug ID     | Summary                                                     | Explanation                                                                                                                                                                                                                                                                                                           |
|------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:<br><br>cswStackPortChange<br>cswStackNewMaster<br>cswStackNewMember<br>cswStackMismatch<br>cswStackRingRedundant<br>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.                                                                                                                                                                                                                    |
| 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.                                                                                                                                                   |

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

| <b>Bug ID</b> | <b>Summary</b>                                                    | <b>Explanation</b>                                                                                                                                                                |
|---------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |