



CHAPTER 8

Start Here

Revised: June 1, 2011

Topics in this section explain how to maintain and administer your DMP.

- [Concepts, page 8-1](#)
- [Procedures, page 8-4](#)
- [Reference, page 8-11](#)

Concepts

- [DMPDM Workflow, page 8-1](#)
- [DMPDM Differences by Firmware Release and DMP Model, page 8-2](#)

DMPDM Workflow

The typical workflow in DMPDM assumes that you will test settings before you commit to them.

Settings in DMPDM might revert to their most recent state after your DMP restarts. This occurs by design, so that you can test new settings. If your changes cause unforeseen problems, you can abandon them without consequence. And, when your changes are satisfactory, you can commit to them.

- Click **Apply** to test new values for a condition or setting. After this click, the change takes effect. However, this change is temporary and reversible. The values that you overwrote will return the next time that your DMP restarts, unless you commit to them explicitly.
- Choose **Administration > Save Configuration** to store changed settings permanently. After this click, the changes persist even after your DMP restarts. When the Save Configuration page appears, you must click **Save** to actually save your work.

Related Topics

- [“Save Configured Settings” section on page 8-5](#)

DMPDM Differences by Firmware Release and DMP Model

Your DMP model and its installed firmware version dictate which elements and supported features you see in DMPDM.

- [DMPDM on a DMP 4305G, page 8-2](#)
- [DMPDM on a DMP 4310G, page 8-3](#)
- [DMPDM on a DMP 4400G, page 8-4](#)

DMPDM on a DMP 4305G

Firmware Release 5.2.3

DMP Mode	
Show IP	Video Browser
Settings	
Startup	Browser
Display Attributes	Display Dimensions
Failover	Internal Storage
Network	NTP
Syslog	Video
Display Actions	
Media Playback	Transparency
URL To Be Displayed	
Administration	
DMP Management	DMP Service Account
Manage WAAS Share	Restore Default Settings
Save and Restart DMP	Upgrade Firmware
About DMP	
Unique Device Identifier (UDI)	Hardware and Firmware Versions

Firmware Release 5.2.2

DMP Mode	
Show IP	Video Browser
Settings	
Basic	Browser
DMP Display Attributes	Centralized Management
Management Services	DMP Display Dimensions
Video Configuration	Internal Storage
NTP	
Display Actions	
Video Multicast	Media URL
Play Video File Stored Locally	Transparency
URL To Be Displayed	
Administration	
DMP Web Account	DMP Service Account
Manage WAAS Share	Restore Default Settings
Save Configuration	Restart DMP
Upgrade Firmware	
About	
Unique Device Identifier (UDI)	Hardware and Firmware Versions

Firmware Release 5.2.1

DMP Mode	
Show IP	Video Browser
Settings	
Basic	Browser
DMP Display Attributes	Centralized Management
Management Services	DMP Display Dimensions
Video Configuration	Internal Storage
NTP	
Display Actions	
Video Multicast	Media URL
Play Video File Stored Locally	Transparency
URL To Be Displayed	
Administration	
DMP Web Account	DMP Service Account
Manage WAAS Share	Restore Default Settings
Save Configuration	Restart DMP
Upgrade Firmware	
About	
Unique Device Identifier (UDI)	Hardware and Firmware Versions

DMPDM on a DMP 4310G

Firmware Release 5.2.3

Show IP
Settings
Startup
Display Attributes
Failover
Flash
Internal Storage
Medianet
Network
NTP
Remote Mappings
Syslog
Touch Screens
Video
Display Actions
Flash Playback
Media Playback
Serial Interface
Administration
DMP Management
DMP Service Account
Manage WAAS Share
Restore Default Settings
Save and Restart DMP
Upgrade Firmware
About DMP
Hardware and Firmware Versions

Firmware Release 5.2.2

Show IP
Settings
Startup
Display Attributes
Network
Flash
Video
Remote Mappings
NTP
Internal Storage
Syslog
Display Actions
Flash Playback
Media Playback
Serial Interface
Administration
DMP Service Account
DMP Management
Manage WAAS Share
Restore Default Settings
Upgrade Firmware
Save and Restart DMP
About
Hardware and Firmware Versions

Firmware Release 5.2.1

—N.A.—

DMPDM on a DMP 4400G

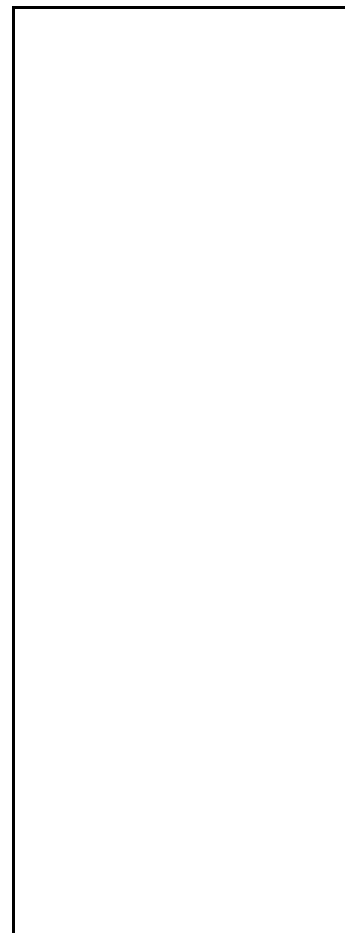
Firmware Release 5.2.3



Firmware Release 5.2.2



Firmware Release 5.2.1



Procedures

- [Save Configured Settings, page 8-5](#)
- [Restart Your DMP, page 8-6](#)
- [Rare but Essential Tasks, page 8-6](#)

Save Configured Settings




You can save every change that you made to the values for every option in DMPDM since the last time that you clicked Save or the last time that you restarted the DMP.



Tip Changes to some DMP configuration settings do not take effect until after the DMP restarts. Check the instructions for a procedure to see if you must restart your DMP after you change a setting.

Procedure

Step 1 Complete whichever variation of this step applies to you. It can vary between any two DMP models, and also between the model-specific firmware versions from any two maintenance releases.

Firmware Version	DMP Model		
	DMP 4310G 	DMP 4400G 	DMP 4305G 
5.2.3	<ol style="list-style-type: none"> Click Save and Restart DMP in the Administration list. Click Save. Click Restart. 		
5.2.2	<ol style="list-style-type: none"> Click Save and Restart DMP in the Administration list. Click Save. Click Restart. 	<ol style="list-style-type: none"> Click Save Configuration in the Administration list. Click Save after the Save Configuration page loads. 	
5.2.1	— ¹		
5.2.0			

1. This firmware release predates this DMP model.

The saved configuration persists even after your DMP restarts.

Step 2 Stop. You have completed this procedure.




Related Topics

- [Restart Your DMP, page 8-6](#)
- [DMPDM Workflow, page 8-1](#)

Restart Your DMP

Procedure

Step 1 Complete whichever variation of this step applies to you. It can vary between any two DMP models, and also between the model-specific firmware versions from any two maintenance releases.

Firmware Version	DMP Model		
	DMP 4310G 	DMP 4400G 	DMP 4305G 
5.2.3	a. Click Save and Restart DMP in the Administration list. b. Click Restart .		
5.2.2	a. Click Save and Restart DMP in the Administration list. b. Click Restart .	a. Click Restart DMP in the Administration list. b. Click Restart after the Restart DMP page loads.	
5.2.1	— ¹		
5.2.0			

1. This firmware release predates this DMP model.

Step 2 Stop. You have completed this procedure.

Rare but Essential Tasks

- [Configure NTP Settings for Time-Dependent Features, As Needed, page 8-6](#)
- [Restore Factory Default Settings, page 8-7](#)
- [Upgrade \(or Downgrade\) DMP Firmware, page 8-10](#)
- [View DMP Hardware and Firmware Versions, page 8-11](#)

Configure NTP Settings for Time-Dependent Features, As Needed


IP-enabled devices including DMPs can use *network time protocol* (NTP) to synchronize themselves with radio and atomic clocks located on the Internet. Thus, the accuracy of their local time-keeping is ensured. NTP can synchronize distributed clocks within milliseconds over long time periods. You must configure NTP settings on any DMP through which you will provide:

- IPTV services with *Cisco Cast*.
- Proof-of-play services with *Cisco Digital Signs*.
- Any other service that is dependent upon accurate Start and Stop times.

Before You Begin

- [Log in, page 7-1.](#)

Procedure

-
- Step 1** Click **NTP** in the Settings list.
- Step 2** Choose **On** from the Enable NTP Service list.
- Step 3** Use the fields marked Hostname 1, Hostname 2, and Hostname 3 to specify which NTP servers your DMP should use.
- Hostname 1—Enter the DNS-resolvable name of the network time server to use by default. This is your primary time server. Your DMP will not use any other time server while this one is available.
-  **Note** We recommend that you set the default NTP hostname to `pool.ntp.org`.
- Hostname 2—Enter the DNS-resolvable name of a network time server to use whenever the primary time server is not available.
 - Hostname 3—Enter the DNS-resolvable name of a network time server to use whenever the secondary time server is not available.
- Step 4** Choose from the Time Zone list the time zone that is correct and local for your DMP at its location.
- Step 5** Enter in the Refresh Interval field the maximum number of milliseconds that are permitted to elapse before your DMP retrieves a fresh time stamp from its NTP server. The factory-default maximum is 17 ms.
- Step 6** Click **Apply** to confirm and test your choices.
- Your entries are recorded to volatile memory and take effect—but only until you change them or restart your DMP.
- Step 7** When you are satisfied that you chose the correct settings, click **Save Configuration** in the Administration list, and then click **Save**.
- Your entries take effect permanently and will persist even after your DMP restarts.
- Step 8** Stop. You have completed this procedure.
-

Related Topics

- [Log in, page 7-1](#)

Restore Factory Default Settings

You can restore factory settings to your DMP.

**Caution**

When you restore the factory settings to your DMP, you delete your configuration of every setting. If you delete your settings accidentally, you must reenter every value manually.

Procedure

-
- Step 1** Click **Restore Default Settings** in the Administration list.
- Step 2** Click **Restore** when the Restore Default Settings page appears.
Your DMP restarts automatically and its factory settings are restored.
- Step 3** **(Optional)** Will you deploy your DMP where there is no local DHCP server? If so, complete the “Preconfigure a DMP To Run Without a Local DHCP Server” procedure in the getting started guide for your DMP.
- Step 4** Log in with the factory default username **admin**.
- Step 5** Reconfigure your DMP and change its default passwords, when prompted.

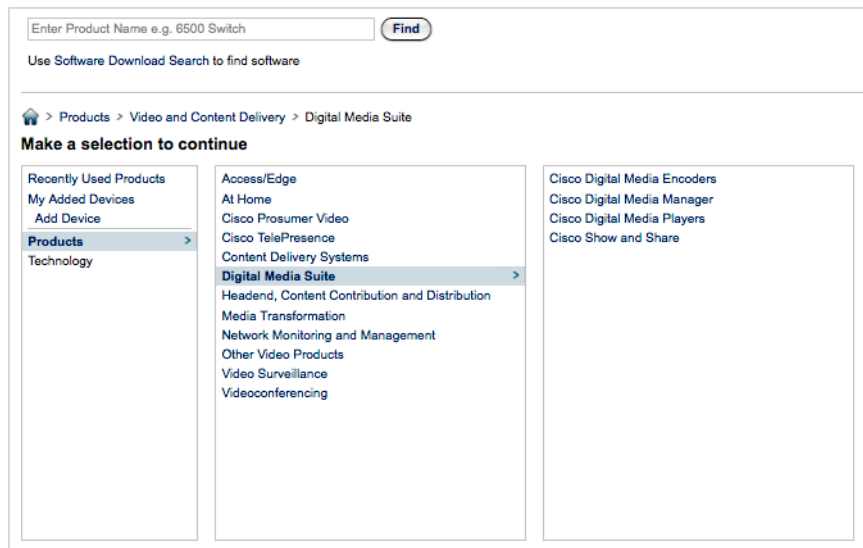
To learn how, see *Getting Started Guide for Cisco Digital Media Players* at http://cisco.com/en/US/docs/video/digital_media_systems/dmp/getting/started/guide/5_2_x/dmp5_2_x.html.

- Step 6** Stop. You have completed this procedure.
-

Investigate Which DMP Firmware Updates Are Available

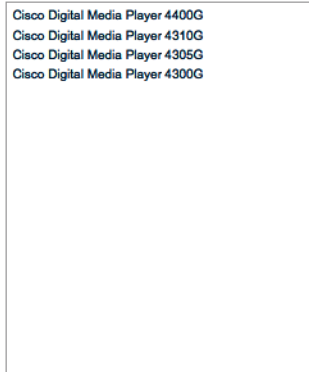
Procedure

-
- Step 1** Log in to your Cisco.com account, and then go to <http://cisco.com/cgi-bin/tablebuild.pl/dms>.



- Step 2** Click **Digital Media Players** in the far-right column.

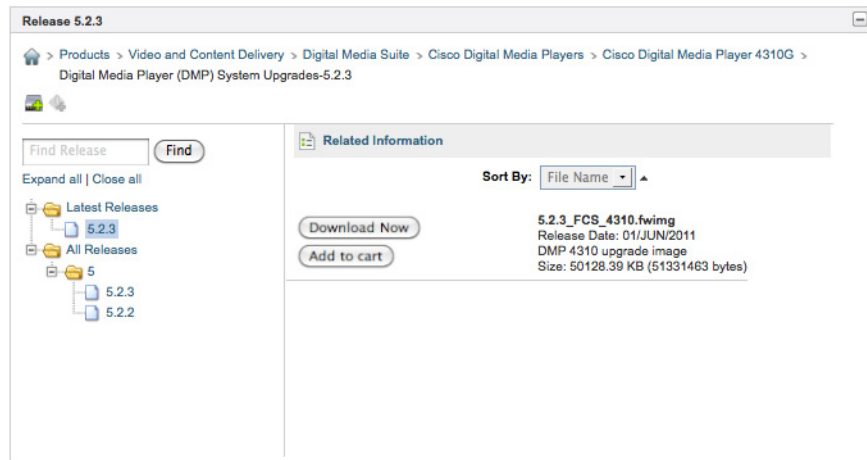
The selector shifts all columns to the left by one slot. This movement exposes the options for another navigation level in the far-right column.



Step 3 Click the name of a DMP model to see a selection tree that lists its available firmware versions.



Step 4 Expand the tree as needed, and then click a release number to see its details.



Note Every firmware file is DMP model-specific.

**Tip**

Allow your pointer to hover for a moment over the **Related Information** link. Doing so reveals more options that you might consider helpful.



Step 5 Follow the prompts to download your preferred firmware within a compressed archive file.

Step 6 Decompress the archive.

It contains a README file, which:

- States how the new firmware might affect your equipment and network.
- Includes installation procedures.

Step 7 Complete procedures that the README file recommends for you.

Step 8 Stop. You have completed this procedure.

Upgrade (or Downgrade) DMP Firmware

You can install an update to the firmware for your DMP.

OR

If your DMP firmware is so comparatively recent that it does not work well with older software on your DMM server, you can install older firmware on your DMP.

Before You Begin

- Investigate which DMP firmware releases are available on Cisco.com.
- Confirm that the “Enable Cisco TAC Troubleshooting Access” feature is enabled in DMPDM. If you must enable it manually, you must *also* restart your DMP before this change can take effect.

Procedure

Step 1 Click **Upgrade Firmware** in the Administration list.

Step 2 Click **Browse**—or its equivalent if your browser applies a different name to this button—when the Upgrade Firmware page appears.

Step 3 Navigate to the firmware update that you downloaded, and then choose it.

Step 4 Click **Start Upgrade**.



Note Do not close or browse away from this page until messages in DMPDM state that your DMP has loaded the firmware image and started to burn it. Otherwise, upgrade fails.

Step 5 Stop. You have completed this procedure.

Related Topics

- [Enable or Disable Types of Access to Your DMP, page 9-6](#)
- [UI Reference: Elements to Upgrade or Downgrade DMP Firmware, page 8-12](#)

View DMP Hardware and Firmware Versions

Procedure

Step 1 Click **Hardware and Firmware Versions** to see information about your DMP.

You cannot change the information.

Step 2 Stop. You have completed this procedure.

Reference

- [UI Reference Topics, page 8-11](#)

UI Reference Topics

- [UI Reference: Elements to Upgrade or Downgrade DMP Firmware, page 8-12](#)

UI Reference: Elements to Upgrade or Downgrade DMP Firmware

Table 8-1 *Elements on the Upgrade Firmware Page*

Field	Description
Upgrade Firmware	
Image File	The full pathname to the binary file. If you do not know the full pathname, click Browse .
Upgrade Status	
Status	Indicates whether a firmware upgrade is in progress: <ul style="list-style-type: none"> • Firmware upgrade not active—There is no upgrade in progress. • Burn in progress—An upgrade is in progress.
Progress	Status indicator for an upgrade in progress.