Release Notes for Cisco Digital Media Suite 5.4.x

Revised: March 29, 2017,

Release Notes for Cisco Digital Media Suite 5.4.x

This document describes new and changed features, requirements, and known problems for Cisco Digital Media Suite (Cisco DMS) 5.4.x products.

Note Cisco DMS 5.4.x is not sold preinstalled on any server hardware. It is an upgrade-only release for existing DMM server appliances and a fresh-installation only via the DMM Virtual Machine on a qualified ESXi host system.

Patch to Fix CSCur03217 (Shellshock Vulnerability)

This is a generic patch for all DMM release 5.4.x versions to fix the Shellshock vulnerability. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply the Shellshock patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCur38536 (DMM SSL V3 POODLE Issue)

This is a generic patch for all DMM release 5.4.x versions to fix the SSL Poodle vulnerability. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply the SSL Poodle patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCus69527 (GHOST Vulnerability)

This is a generic patch for all DMM release 5.4.x versions to fix the GHOST Glibc vulnerability. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply the GHOST Glibc patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCut15831 (NTPd.org Vulnerability)

This is a generic patch for all DMM release 5.4.x versions to fix the NTPd.org vulnerability. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply the NTPd.org patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCus87253 (Add Support for Agency and Calibri for DMD)

This is a generic patch for DMM release 5.4.1, 5.4.1 RB1, and 5.4.1 RB2 versions to add two new fonts, Agency and Calibri, in DMD. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply the two new fonts, Agency and Calibri,

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCut45957 (March 2015 OpenSSL Vulnerabilities)

This is a generic patch for DMM release 5.4.x versions to fix the March 2015 OpenSSL vulnerability. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply the March 2015 OpenSSL patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCuu96437 (Leap Second Vulnerability)

This is a generic patch for DMM release 5.4.x versions to fix the Leap Second vulnerability. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply this Leap Second fix patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCtl89028 and CSCue73197 (dmm54x_opensso_ldap.iso)

This is a generic patch for DMM release 5.4.x versions to fix the following defects:

- CSCtl89028—DMM sends multiple LDAP search requests when multiple bookmarks are used.
- CSCue73197—LDAP users cannot log in if the filter search base is base DN.

If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply this patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCuu82425 (June 2015 OpenSSL Vulnerability)

This is a generic patch for all DMM release 5.4.x versions to fix the June 2015 OpenSSL vulnerability. If you are applying the patch from release 5.4.1 RB1 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply this patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCur99074 (DMM Backup USB Issue)

This is a generic patch for all DMM release 5.4.1_RBx versions to fix the DMM backup USB issue.

You are recommended to upgrade your DMM to release 5.4.1 RB2 and then apply this patch.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

Patch to Fix CSCuz92699 (June 2016 NTP Vulnerability)

This is a generic patch for all DMM release 5.4.x versions to fix the June 2016 NTP vulnerability. If you are applying the patch from release 5.4.1 RB2 or before, the patch will no longer be present on the system if DMM is upgraded after the patch installation.

You are recommended to upgrade your DMM to release 5.4.1 RB3 and then apply the June 2016 NTP fix.

For more information on upgrading a standalone DMM, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp344742

For more information on upgrading a DMM with failover configuration, see the following URL:

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html#wp351146

New MIB Introduced in Release 5.4.1RB2P2

The image of release 5.4.1RB2P2 contains a new MIB**—init.msi_dhcp_enable**.

To allow the DHCP protocol under MSI to run, set it to **yes**. To stop DHCP and constant DHCP packets under MSI, set it to **no**.

New and Changed Features

Cisco Digital Media Players

Cisco DMS 5.4.x introduces new and changed features for Digital Media Players (DMPs). To see and use these features, you must install the 5.4.x firmware on your DMPs.

Web Browser

DMP 4310G endpoints now include a web browser. This browser is built with code from the open source QtWebKit project. It supports HTML 5 — including the <CANVAS>, <VIDEO>, and <AUDIO> tags, when you use them with codecs, wrappers, and other standards that a DMP 4310G supports.

Note The browser on a DMP 4310G differs substantially from the browser on a DMP 4400G or DMP 4305G.

- It is derived from QtWebKit 4.7, rather than Mozilla 2.0.
- It supports HTML 5, rather than HTML 4.
- It supports JavaScript 1.85, rather than JavaScript 1.7.
- Its browser runs as a content layer ("plane") inside Flash, rather than Flash running as a plugin inside the browser.

Various adjustments will be necessary if you developed or optimized content for a different DMP model, which you now want to render on a DMP 4310G. For example, in this release, the <EMBED> tag and <OBJECT> tag will not work for Flash content on a DMP 4310G. You can learn about content creation for DMPs at http://developer.cisco.com/web/dms/betaforums/ . Test and optimize all content before you deploy it in your production network.

Web Browser User Agent Switching

DMPDM 5.4 on a DMP 4310G provides a User Agent field, which you can populate as you see fit. Adjustments here can sometimes improve DMP rendering of .ASP pages.

Web Browser Rotation

You can rotate the DMP 4310G browser to 90°, 180°, and 270°.

Cross-origin Protection

DMPs in this release prevent HTTPS:// content from loading FILE:// content, and vice-versa. However, you can allow such behavior by disabling the Web Security option in DMPDM 5.4.

Secure Content Access

- DMP 4310G endpoints now support NTLM access to protected content.

Note DMP 4310 release 5.4 supports NTLM v2 authentication only for browser and flash content.

- DMP 4310G endpoints now support SSL/HTTPS ("basic") access to protected content.

Note You cannot mix these DMP authentication methods together in one event. Nor can you mix multiple credentials together in one event. To configure the secure content access credentials for an event, use the new DMM advanced task, "Authentication Support (DMP)."

HTTPS for Go-To-URL Applications

DMP 4310G endpoints now support Go-to-URL applications that use HTTPS. However, because the HTTPS protocol employs SSL — which, in turn, requires the use of digital certificates — any DMP 4310G where you use this feature must be synchronized to an NTP server. Otherwise, it cannot check for certificate expiration. You can use DMM to configure NTP settings on multiple DMPs simultaneously or use DMPDM to configure just one DMP.

Developer Support

DMP 4310G endpoints now include built-in API reference documentation and related features for developers. See https://<DMP_IP_address>/resources/ .

Note In this release, a completely new API replaces the legacy JavaScript API ("tivella.js") on a DMP 4310G. To learn about the new API, see https://<DMP_IP_address>/resources/.

SSL Certificate Management

DMPDM on a DMP 4310G now includes certificate management features.

Persistence of Network Configuration After Soft Reset

DMPDM 5.4 on a DMP 4310G now includes an option for configured network settings to persist after a soft reset.

Pseudo-random IP Addressing

DMPs are no longer completely dependent upon access to a DHCP server during their initial setup. When you allow it to do so, a factory-new DMP (or DMP that you reset to factory-default values) with 5.4 firmware can generate its own pseudo-random IP address in the **169.254.0.0/16** subnet. It does this only when all of the following statements are true:

- You choose **Disabled** from the Verify Link list on DMPDM's Network page. Then, you save this change and restart your DMP.
- You unplug the Ethernet cable from your DMP.
- After your DMP restarts, you wait approximately 150 seconds (2.5 minutes) — an interval that triggers DHCP timeout.

Support for Non-broadcast SSIDs

DMP 4400G endpoints no longer require that Wi-Fi networks broadcast their SSIDs. Instead, as needed, you can enter an SSID in DMPDM's Network SSID field.

Support for Larger Video Files

DMP 4310G endpoints can now support video file sizes as large as 4GB. In previous releases, the limit was 2GB.

Support for the .MP4 Video Container

DMP 4310G endpoints can now play H.264 video inside an .MP4 container.

Support for Some .WMV Video Assets

DMP 4310G endpoints can now play .WMV files whose presentation time stamp (PTS) value is more than 100 milliseconds.

Support for ELO IntelliTouch Touchscreen Drivers

DMP 4310G endpoints now support IntelliTouch+ touchscreens.

HTTP Timeout Behaviors Are Changed in This Release

Previously, the content failover algorithm on DMPs waited exactly 1 second for webservers to respond that requested content was correctly available at the expected URL. Absent this timely response, DMPs would not issue the HTTP GET request that triggers an actual download. Instead, they would substitute their own failover content for the webserver content. You could **enable** or **disable** use of this hard-coded 1-second interval but you could not change it to any other value.

Starting in Cisco DMS 5.4, this interval is now controlled instead by your entry in DMPDM's "Failover Timeout (ms)" field. The factory-default value is 10000 milliseconds, which equals 10 seconds.

Note Due to this change, the "Failover Timeout (ms)" value now has a powerful effect on your digital signs even when content failover is disabled. It is the maximum duration that can elapse before your DMP sends an HTTP GET request.

Support for IGMPv3 Source Specific Multicast (5.4.1)

DMP 4310G endpoints running version 5.4.1 now support IGMP version 3 Source Specific Multicast (SSM) in a digital signage deployment that has the proper network configurations and settings.

Note The default setting (IGMP version 2) must be overwritten by a MIB command that will also simultaneously enable IGMP version 3.

There are additional fields added to the DMP Device Manager web interface that allows for the configuration of the multicast group IP address and other fields. For more information, see the User Guide for IGMPv3 Configuration at the following URL: http://www.cisco.com/en/US/docs/video/digital_media_systems/dmp/user/guide/5_x/5_4_x/igmpv3ug541.html.

Cisco Digital Media Manager

Feature Navigation

Given the removal of old features in this release and its introduction of new features, UI navigation logic has changed in multiple ways.

Note The combination of your user role and your installed feature licenses determines which features you can see and use.

Cisco DMS 5.4 introduces new feature navigation elements at levels **1** through **3**.

Table 1: 5.4.x Navigation Logic

Feature Navigation in Cisco DMM 5.4.x		
Network and Endpoints 		
Digital Media Players	DMP Manager	
	Deployment Manager	Deployment Status
		Deployment Preferences
	Advanced Tasks	
Emergencies	Start Emergency	
	Stop Emergency	
Settings	User Accounts	
	Server Settings	
	Media Delivery	
	External	
Content Management 		

Feature Navigation in Cisco DMM 5.4.x		
Media Library	Assets	
	Playlists	
	Presentations	Digital Media Designer
Channels		
Cast	TV Channels	
	EPG Providers	
	Video on Demand	
	Skin Customization	
	Remote Control	
Reports 		
Dashboard		
Reports		
Configuration		
Campaign		
Administration 		

Feature Navigation in Cisco DMM 5.4.x	
Dashboard	
Failover	Failover Configuration
	Failover Status
Settings	External Servers
	Hinter
Security	Authentication
	Session
Users	
Alerts	Alert Reports
	Notification Rules
Services	
Licenses	Request Licenses
	Install/Upgrade Licenses
	View Licenses

Look and Feel

The user interface in previous Cisco DMM releases was task-based and straddled multiple applications, including some elements of desktop-social video. The user interface in Cisco DMM 5.4.x is workflow-based for the key users who run a digital signage network. These workflows compliment our new, user role-centered architecture, making Cisco DMM 5.4.x easier to learn, use, scale, and support.

Digital Signage Scheduling Functions

Previous Cisco DMS releases followed a scheduling paradigm that is now replaced. In the new paradigm:

- You configure any number of "channels," which each serve a distinct audience in a specific place. For example, one channel might be appropriate for pedestrians who walk past a department store window, while the content on another channel could target customers near the cash registers.
- You maintain a separate programming schedule for each channel.
- Then, you subscribe DMP groups to channels that are relevant to their physical locations.

Channels support multiple time zones, include advanced options for event repetition, and can integrate automatically with Cisco Enterprise Content Delivery System 2.5.3 (Cisco ECDS).

Delete Scheduled Content

New features warn and guide you in this release when you start to delete content that a channel is scheduled to play. You can view a list of all the scheduled instances, understand exactly which of your digital signs will be affected, and then either delete individual instances or batch-delete them all. These features help you to prevent your digital signs from showing black screens.

DMM Support for Web Content on DMP 4310G

DMM 5.4.x supports your use of web content in the playlists, presentations, and Go-to-URL applications that you deploy to DMP 4310G endpoints. In addition, DMM supports HTTPS authentication for Go-to-URL applications on DMP 4310G endpoints.

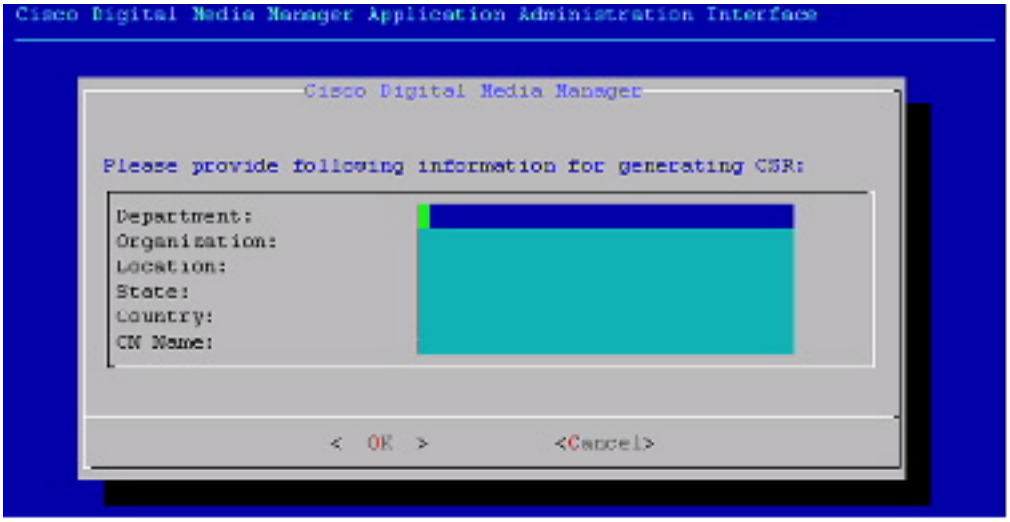
Appliance Administration Interface (AAI)

AAI now describes your installed DMM version, your upgrade history, server memory, and disk. Furthermore, it introduces the ability to collect Java virtual machine (JVM) diagnostic data.

Support for Wildcard SSL Certificates (5.4.1)

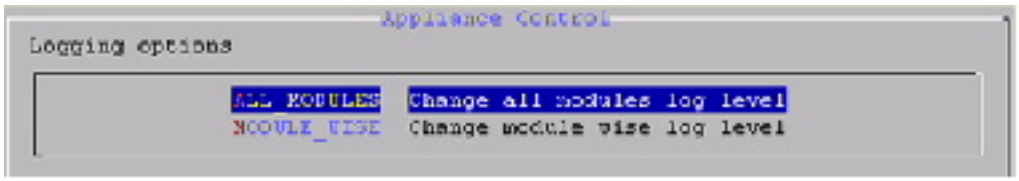
DMS releases before 5.4.1 did not support wild card SSL certificates. While there are no changes to the overall certificate import process, Digital Media Managers that are upgraded to the 5.4.1 release will be capable of generating a CSR that supports a certificate with a wild card CN name.

Danger The system still does NOT support the import of any certificates that have not been obtained from a CSR generated on the Digital Media Manager server. Consistent with previous DMS releases, externally generated wildcard certificates still cannot be imported into the system.



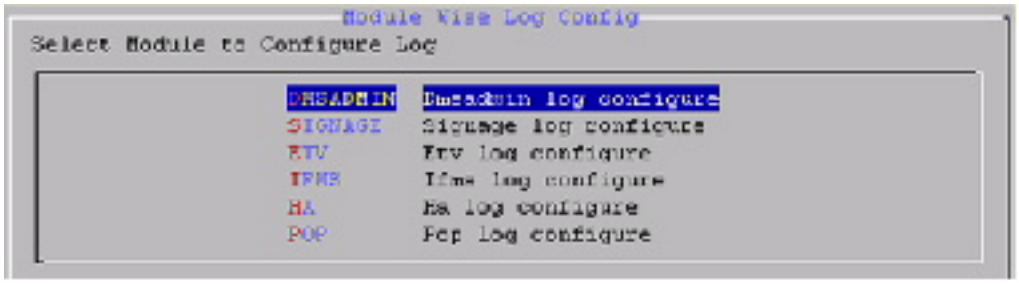
Note By default, the CN Name field will auto-fill with the FQDN that has been assigned to the DMM server.

Serviceability Enhancements (5.4.1)



Note The ALL_MODULES option is identical to previous DMS releases with respect to the logging options - you will be presented with logging control options of: GET_SYSLOG, CHANGE_LOG_LEVEL, and CLEAN_LOGS.

When the MODULE_WISE option is selected, the user will be given the option to select the desired module for which the log level needs to be changed.



Once the desired module has been selected, the user will be presented with various log levels that can be changed for that particular module.

Critical Information About Cisco Show and Share

Danger Do not run the DMS 5.4 upgrade on your DMM server if you have Cisco Show and Share.

Cisco DMS 5.4.x is for digital signage users *exclusively* . It cannot pair with or manage a Cisco Show and Share appliance.

Show and Share users must wait to upgrade their DMM appliances until a future release of Cisco Show and Share is available that will not depend on Digital Media Manager 5.3.

Information about that upcoming Show and Share release will be posted at http://www.cisco.com/en/US/products/ps6682/index.html .

Feature Support and Device Compatibility

See *Specifications, Supported Features, and Compatibility Information for Cisco Digital Media Suite* on Cisco.com to learn about the changes to feature support and compatibility of Cisco DMS components across releases.

http://www.cisco.com/c/en/us/td/docs/video/digital_media_systems/dmscompat3.html

Client System Requirements

Operating System	Supported Browser[1]				Required Version of VLC Media Player[2]
	MSIE	Chrome	Firefox	Safari	
Microsoft Windows XP	8.x	Not supported	12.x	Not applicable	2.0.0
Microsoft Windows 7 (64-bit)	• 8.x • 9 .x (32-bit)	Not supported	12.x	Not applicable	2.0.0
Apple Mac OS X 10.6.8 (64-bit)	Not applicable	Not supported	12.x	• 4.0 • 5.1.1	Not supported

1 Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.

2 VLC Media Player modifies your browser so you can use presentation preview features in Digital Media Designer. We do not support such previews on Mac OS X.

Browser Proxy Support

- We support the use of browser proxies with DMPDM.
- We **DO NOT SUPPORT** the use of browser proxies with DMM.

Installation and Upgrade Notes

This section includes the following topics.

Software Release Availability and Entitlements

The method to obtain software can vary by device or by release. Topics in this section specify which 5.4.x software releases are relevant to a given device and state how you might obtain such software for that device (**CSCtx12287**).

FOR YOUR REFERENCE

- To buy factory-new Cisco DMS equipment, on which major or minor release software is preinstalled, see http://cisco.com/go/ordering .

Note Cisco DMS 5.4.x is not sold preinstalled on any server hardware. It is an upgrade-only release for existing DMM server appliances and a fresh-installation only via the DMM Virtual Machine on a qualified ESXi host system.

- To learn about Cisco service contracts, see http://cisco.com/go/cscc .
- To use a service contract entitlement, see http://tools.cisco.com/gct/Upgrade/jsp/productUpgrade.jsp .
- To use the Cisco Software Center, see one of the following.
- **Digital Media Manager**

  http://cisco.com/cisco/software/type.html?mdfid=280171249&flowid=4306

- **Digital Media Players**
  - DMP 4400G

    http://cisco.com/cisco/software/type.html?mdfid=282074723&flowid=4313
  - DMP 4310G

    http://cisco.com/cisco/software/type.html?mdfid=282849836&flowid=21001
  - DMP 4305G

    http://cisco.com/cisco/software/type.html?mdfid=281438534&flowid=4311

Note There are no 5.4.x firmware releases for DMP 4305G endpoints. Cisco DMM 5.4 can manage these DMPs with their 5.3.x firmware, which you installed previously.

Software Release Availability and Entitlements for Digital Media Manager Servers

The following table compares the general availability of, and supported entitlements to obtain, software for Cisco DMM servers.

Because Cisco DMS 5.4 is an upgrade-only release for DMM server appliances, you cannot purchase a server on which DMM 5.4 is factory-installed. Instead, you must upgrade to DMM 5.4 on a server where Cisco DMS 5.3.x is already installed and running correctly. You may also alternatively purchase DMM 5.4 as a virtual machine and perform a fresh installation using an OVA file on a qualified ESXi host system.

Table 2: DMM Server Software

Release No.	General Availability for DMM Servers	Method to Obtain		
		Purchased Upgrade	Contract Entitlement	Warranty Entitlement

Release No.	General Availability for DMM Servers	Method to Obtain		
5.4	Y	Y	Y[3]	N
5.4.1	Y	N	Y[4]	Y[5]

3 Free with a valid service contract. Terms and conditions may vary.
4 Free with a valid service contract. Terms and conditions may vary.
5 Free Cisco Software Center download under the warranty conditions of a prior, qualifying purchase. Terms and conditions may vary.

Available Software for DMP 4400G Endpoints
The following table compares the general availability of, and supported entitlements to obtain, software for Cisco DMP 4400G endpoints.

Table 3: Cisco DMP 4400G Endpoint Software

Release No.	General Availability for Cisco DMP 4400G endpoints	Method to Obtain		
		Factory-Installed	Contract Entitlement	Warranty Entitlement
5.4	Y	Y[6]	Y[7]	N
5.4.1	Y	N	Y[8]	Y[9]

6 Preinstalled software on factory-new equipment
7 Free with a valid service contract. Terms and conditions may vary.
8 Free with a valid service contract. Terms and conditions may vary.
9 Free Cisco Software Center download under the warranty conditions of a prior, qualifying purchase. Terms and conditions may vary.

Available Software for DMP 4310G Endpoints
The following table compares the general availability of, and supported entitlements to obtain, software for Cisco DMP 4310G endpoints.

Table 4: Cisco DMP 4310G Endpoint Software

Release No.	General Availability for Cisco DMP 4310G endpoints	Method to Obtain		
		Factory-Installed	Contract Entitlement	Warranty Entitlement
5.4	Y	Y[10]	Y[11]	N
5.4.1	Y	N	Y[12]	Y[13]

10 Preinstalled software on factory-new equipment

11 Free with a valid service contract. Terms and conditions may vary.

12 Free with a valid service contract. Terms and conditions may vary.

13 Free Cisco Software Center download under the warranty conditions of a prior, qualifying purchase. Terms and conditions may vary.

Available Software for DMP 4305G Endpoints

The following table compares the general availability of, and supported entitlements to obtain, software for Cisco DMP 4305G endpoints.

Table 5: Cisco DMP 4305G Endpoint Software

Release No.	**General Availability for Cisco DMP 4305G endpoints** **Note There are no 5.4.x firmware releases for DMP 4305G endpoints. Cisco DMM 5.4 can manage these DMPs with their 5.3.x firmware, which you installed previously.**	**Method to Obtain**		
		Factory-Installed	Contract Entitlement	Warranty Entitlement
5.4	N	N	N	N
5.4.1	N	N	N	N

Installation Notes

- **Cisco DMS appliances require a DNS server to work correctly.** Enter fully-qualified domain names (FQDNs) and not IP addresses during setup in AAI. Otherwise, Cisco DMS cannot operate as designed and most of its functions will fail.
- Do not append a trailing dot to any FQDN during setup.
- To maintain network security, your DMM appliances and DMPs use digital certificates to communicate. These certificates use the DNS-resolvable hostname to identify each appliance and endpoint uniquely. You must enter the DNS-resolvable hostname for each appliance during setup when prompted to enter the fully-qualified domain name (FQDN) in AAI.
- You must also configure your DMM appliance in AAI to point correctly to the DNS server for your network. Furthermore, you must configure that DNS server to associate the IP address of your DMM appliances use with the FQDN that its digital certificate uses.

Upgrade Notes

For instructions on how to upgrade your Cisco Digital Media Suite, see Upgrade Guide for Cisco Digital Media Suite Release 5.4 on Cisco.com.

- **When you have a valid service contract** for an earlier Cisco DMS release, which entitles you to upgrade at no additional cost, use the Product Upgrade Tool at http://cisco.com/upgrade . Enter your SAS contract number and place an order for the upgrade.
- **When you do not have a valid service contract** for an earlier Cisco DMS release, you must order this upgrade. For information about ordering, see the data sheet at: http://cisco.com/en/US/products/ps6682/products_data_sheets_list.html .
- **When you upgrade a failover configuration**, you must revert the configuration to standalone, upgrade both servers, and then re-configure failover. See the failover guide on Cisco.com for information about converting your configuration to standalone mode and configuring failover after the upgrade. http://cisco.com/en/US/docs/video/digital_media_systems/5_x/5_4/dms/failover_guide/dmsfailover.html .

Important Notes

This section includes the following topics:

DMP 4310G Notice Regarding Power over Ethernet (PoE)

Starting in 2009, a handful of Cisco StadiumVision customers who participated in a special program to receive DMP 4310G endpoints received pre-release hardware. During this program, we manufactured such units under the Cisco product ID “DMP-4310G-SE-K9.” Partway through the limited release, we changed one physical component in the hardware design to improve the Power over Ethernet (PoE) performance of a DMP 4310G.

Is even one of these statements true for you?

- Your DMP 4310G was manufactured in or after September 2010.
- Your DMP 4310G serial number is USI1434xxxx or greater.
- We manufactured your DMP 4310G under the Cisco product ID “DMP-4310G-52-K9.”

When even one of these statements is true, your DMP 4310G uses the improved PoE component. **Nothing further about this topic applies to you or your DMP.**

Otherwise, when even one statement is **false**, your DMP 4310G uses the original PoE component. We have identified a corner case in which these DMPs might not receive full PoE power.

Suppose that a very long Ethernet cable connects a DMP 4310G to a network switch from the Cisco 3560 Series. And suppose also that the Ethernet cable length is so great that the level of PoE power becomes noticeably diminished after traveling its full distance to the DMP.

In this scenario, your DMP cannot compensate for the degraded power because switches in the Cisco 3560 Series do not permit adjustments to the PoE power output.

We recommend that you do not obtain power for such DMPs from network switches in the Cisco 3560 Series. When you must do so, take care to use the shortest possible Ethernet cord. Alternatively, you might use network switches from the Cisco 3750 Series, which offer configurable PoE power output.

Low Memory Causes DMPs to Restart Automatically

Rather than crashing when they run low on memory, DMPs are designed to restart automatically, which clears their memory and causes downtime of less than 1 minute, as opposed to the lengthy downtime that a hard crash would cause. In the rare cases when DMPs do run out of memory and restart automatically, SWF files are almost always responsible. The known scenarios when this can occur are as follows.

- The file size is greater than 500KB for your SWF file. Larger SWF files do work correctly in most cases, but we recommend as a best practice that you should always strive to use the smallest possible SWF files. Smaller files are far less likely to be burdensome to your DMPs.
- Your SWF file uses bitmapped image files outside itself that have a very large file size, either individually or collectively. Any bitmapped image files that you use in the production of a SWF file should be small files. If a bitmapped file has a large file size, it is important for you to understand that merely reducing the height and width of its placeholder on your canvas in Adobe Flash (or any similar authoring tool that you might use to develop a SWF file) will not reduce the actual file size.
- The web page that you are showing uses too many embedded SWF files.

Additional Recommendations

We recommend that you use the following guidelines when you create SWF files.

- The resolution of the SWF can be up to 1920x1080 when animations that are contained within the SWF are small and are restricted to a 640x480 region.
- Avoid redraw of the whole screen in your Flash animation.
- Multiple movements distributed across a screen will burden a DMP more than movements that are concentrated in one relatively small area.
- The FLV recommended resolution should be 320x240.

Limitations and Restrictions

Review Table 6: Limitations and Restrictions in Cisco DMS , on page 21 before you begin working with Cisco DMS components. These are known limitations that have not been fixed. Read the Important Notes, on page 20 section for additional information.

Table 6: Limitations and Restrictions in Cisco DMS

Identifier	Description
Digital Media Player	
CSCsq62648	DMP 4305G: Restarts after 15 seconds when playing the emergency_animated template. **Workaround:** None. This template is designed for the DMP 4400G. We recommend that you do not play content on the DMP 4305G that is specific to the DMP 4400G.

Identifier	Description
CSCtc58337	PoP: need a system task to bulk configure syslog server IP on DMP. **Workaround:** Apply a system task to all DMPs that will be used for PoP with a request type of **SET** and the request **init.syslog=on&init.syslog_addr=IP_ADDRESS_OF_THE_POP_SERVER&mib.save=1&mng.reboot=1**
CSCtc80177	DMP 4305G: SWF performance is slow in a DMD playlist The SWF file added as a playlist item in the DMD plays slowly on the DMP 4305G. The playback speed is noticeably slower than it was in DMD 5.1. This issue occurs under the following conditions: • Swfs in a media playlist • Deployed on a DMP 4305G **Workaround:** When possible, add the SWF item as a media object, and not as an item in the media playlist. With this, the SWF file should play at a higher speed. However, you do lose the features of a playlist. This issue is much more noticeable on SWF files with continuous animation. It is advisable on a DMP 4305G to use SWF files composed more of static images. When possible, try to decrease the amount of animation in SWF files that a DMP 4305G will render.
CSCtc85169	Creating a system task to turn on/off syslog service on DMP. **Workaround:** To turn the syslog service on, create a new system task with the request type of SET and the request init.syslog=on&mib.save=1&mng.reboot=1. To turn the syslog service off, create a new system task with the request type of SET and the request init.syslog=off&mib.save=1&mng.reboot=1.
CSCtd65883	DMP 4400G: Wi-Fi loses connectivity if WLAN config DHCP required enabled **Workaround:** Clear the DHCP request option on the access point. This prevents the access point from requiring a DHCP ACK from the DMP client.
CSCtg23880	DMP 4305 cannot display MSN webpage properly. The image is stretched and it is cut off on the top and left. **Workaround:** None.
Cisco Digital Signs	

Identifier	Description
CSCso63214	When its resources are limited, a DMP 4305G endpoint resets without a splash screen and without illuminating the red LED that should be visible through the chassis front grille. **Workaround:** Upgrade to a DMP 4400G, which is more powerful and does not exhibit this behavior.
CSCso78514	Using the local file option to add a media asset that is larger than 2GB causes the upload menu to remain open indefinitely. **Workaround:** None. This is a browser limitation. We recommend that you upload a file that is smaller than 2GB and that you use an external server for large files.
CSCsw67738	After *Cisco DMS Content Distribution* (DMS-CD) adds or deletes files on an external USB drive that is attached to a DMP, the DMP might mount this drive as Read-Only or might not mount it at all. Content distribution to or from usb_2 sometimes corrupts the file system on drives from certain manufacturers. In our testing, we have seen this on Western Digital Passport drives 0.5 percent of the time and on Maxtor drives 70 percent of the time. We have removed Maxtor from our list of supported manufacturers. **Workaround:** Disconnect the USB drive from your DMP and reformat the USB drive to use FAT32 as its file system.
CSCsw89590	When you make selections in *Cisco Cast* to show an on-screen PIN that mobile phone users can use to authenticate their phones for emulation of the DMP remote control, the PIN might take as long as 2 minutes to appear on-screen. **Workaround:** Wait 2 minutes.
CSCtg92808	DMP 4400G: Image slideshow transitions affect performance Slow and choppy transition, affecting performance. This issue occurs under the following conditions: • Using transition effects in a slideshow • Deployed on the 4400G **Workaround:** Use the “No effect” option for the slideshow effect.
CSCto67039	Renaming your DMM server can cause ECDS to fail on deployed channels **Workaround:** Delete the service delivery/origin server. Then, create a new origin server.

Identifier	Description
CSCty80890	Some APIs for channels use HTTP instead of HTTPS These API calls use HTTP over port 8080: • /dsm-scheduler/services/channels/ - (post) • /dsm-scheduler/services/channels/{id} - (put) • /dsm-scheduler/services/channels/{id} - (delete) • /dsm-scheduler/services/channels/{id} - (get) • /dsm-scheduler/services/channels/allchannels - (get) • /dsm-scheduler/services/channels/duplicate/{id} - (post) **Workaround:** None.
CSCty98935	DMM time zone “Americas/Caracas” blocks creation of ECDS manifest files The tzdata2011l package from IANA does not provide any GMT identifier for this Venezuela time zone. **Workaround:** If you use ECDS, do not choose this time zone for DMM.
CSCua08694	DMP 4310G ignores Go-to-URL toggle (On/Off) for proof of play The proof of play check box does not have any effect when you create a Go-to-URL on a DMP 4310G. If you use this check box to turn On report generation that was disabled, it remains disabled. If you use this check box to turn Off report generation that was enabled, ir remains enabled. **Workaround:** None.
CSCua73351	Proof of play reports sometimes misrepresent emergency status as False Your method for transferring emergency assets to DMP local storage is what determines whether proof of play reports recognize and describe related emergencies correctly. When you use the “File transfer to DMP or server” method (ftp), the generated report is wrong. When you use the “deployment package” method (DMS-CD), the generated report is correct. **Workaround:** Use DMS-CD to deploy emergency assets to DMP local storage.
CSCua89370	Duplicate playlist title is exactly “null” if original playlist title has % character **Workaround:** Do not use the % character in a playlist title.
CSCua92177	Certificate with PKCS#7SIGNED DATA header and footer value is not supported on DMM.

Identifier	Description
CSCub02868	ECDS manifest is not updated after changing DMM time zone **Workaround:** Unsubscribe the DMP group. Then, resubscribe it after you change the time zone.
CSCub27470	Webserver login by a DMP is complicated in AD use cases Your DMP must use Active Directory (AD) login credentials to play content from any webserver that participates in an AD domain. The DMP cannot merely use local user credentials from the webserver. **Workaround:** The DMP should log in as DOMAIN\user, where both are defined entries in Active Directory.
CSCuc02299	"File transfer to DMP or server" resets DMP internal storage to read-only **Workaround:** Instead, use the "deployment package" method (DMS-CD).

Known Problems (Caveats)

This section contains the following topics:

Caveats Resolved in 5.4.1 RB3

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB3.

Note Before you upgrade to release 5.4.1 RB3, you need to upgrade to release 5.4.1 RB2 first if you are with a lower version, and then install the DMM backup USB issue patch (see the Patch to Fix CSCur99074 (DMM Backup USB Issue), on page 6) prior to your upgrade to release 5.4.1 RB3. If the DMM backup USB issue patch is already installed, ignore this note and proceed with the upgrade.

Table 7: Resolved Caveats for Cisco DMS 5.4.1 RB3

Identifier	Description
CSCur74598	libxslt heap-based buffer overflow code execution vulnerability
CSCub34207	Privilege escalation using bzip2 integer overflow vulnerability
CSCus07367	Perl hashing routines remote Denial of Service vulnerability.
CSCus69527	DMM_GHOST_Patch.iso (Evaluation of glibc GHOST vulnerability - CVE-2015-0235)

Identifier	Description
CSCur74475	Multiple vulnerability on Libxml2 component
CSCut15831	DMM_RB1_NTP_Patch.iso (December 2014 - NTPd.org vulnerabilities)
CSCuu96437	LeapSecond (LEAP SECOND: Leap second update susceptibility)
CSCuu82425	openssl_june (Evaluation of dmm for OpenSSL June 2015)
CSCur03217	Cisco Digital Media manager- ShellShock Vulnerability
CSCuc73420	ISC BIND subsequent RDATA Query Processing Remote Denial of Service vulnerability
CSCur74291	ISC BIND DNSSEC Trust Anchors Remote Denial of Service vulnerability
CSCux34692	Evaluation of DMS for Java_December_2015
CSCuy07345	Evaluation of DMS for OpenSSL January 2016
CSCuz96384	DMM SHA2 CSR creation support
CSCuz44223	Evaluation of DMS for NTP_April_2016
CSCuz52441	Evaluation of DMS for OpenSSL May 2016

Caveats Resolved in 5.4.1 RB2_P7

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2_P7.

Table 8: Resolved Caveats for Cisco DMS 5.4.1 RB2_P7

Identifier	Description
DMP4310	
CSCuy07344	Evaluation of DMS for OpenSSL January 2016.
CSCuv38187	Evaluation of DMP 4310 for CVE-2015-2808.

Caveats Resolved in 5.4.1 RB2_P6

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2_P6.

Table 9: Resolved Caveats for Cisco DMS 5.4.1 RB2_P6

Identifier	Description
DMP4310	
CSCux41357	Evaluation of DMS for OpenSSL December 2015 vulnerabilities.

Caveats Resolved in 5.4.1 RB2_P4

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2_P4.

Table 10: Resolved Caveats for Cisco DMS 5.4.1 RB2_P4

Identifier	Description
DMP4310	
CSCuv26173	Evaluation of DMP4310 for OpenSSL July 2015 vulnerability.
DMP4400	
CSCuv46148	Evaluation of DMP4400 for OpenSSL July 2015 vulnerability.

Caveats Resolved in 5.4.1 RB2_P3

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2_P3.

Table 11: Resolved Caveats for Cisco DMS 5.4.1 RB2_P3

Identifier	Description
DMP4310 and DMP4400	
CSCut46084	March 2015 OpenSSL vulnerabilities.

Caveats Resolved in 5.4.1 RB2_P2

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2_P2.

Table 12: Resolved Caveats for Cisco DMS 5.4.1 RB2_P2

Identifier	Description
DMP4310	

Identifier	Description
CSCug66539	DMP Constantly sends DHCPINFORM messages.

Caveats Resolved in 5.4.1 RB2_P1

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2_P1.

Table 13: Resolved Caveats for Cisco DMS 5.4.1 RB2_P1

Identifier	Description
DMP4310 and DMP4400	
CSCur72619	DMP 4400 and 4310 affected by Poodle vulnerability.

Caveats Resolved in 5.4.1 RB2P

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2P.

Table 14: Resolved Caveats for Cisco DMS 5.4.1 RB2P

Identifier	Description
DMP4310	
CSCur05628	Cisco Digital Media Players - Shellshock vulnerability.

Caveats Resolved in 5.4.1 RB2

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB2.

Table 15: Resolved Caveats for Cisco DMS 5.4.1 RB2

Identifier	Description
DMM	
CSCuh55350	DMM file system full or down due to OpenSSO debug logs.
CSCul42910	DMD presentation cannot display Arabic text appropriately on DMP.
CSCum53875	DMM eCDS integration failed due to Lisp Error when password contains @.

Identifier	Description
CSCup24174	Multiple vulnerabilities in OpenSSL - June 2014.
CSCue24310	Apache Tomcat security vulnerabilities 5.3.0.
CSCuo45435	Observed crafted URL error message for valid URL.
DMP4310	
CSCug32236	Cast VOD does not restart for 1:50 minutes if server is interrupted.
CSCug52380	DMP needs to fetch NTP settings on boot up.
CSCup92446	Multiple vulnerabilities in OpenSSL - June 2014.
DMP4400	
CSCty48753	DMP4400 cannot get an IP when on Wireless WPA2/PSK/AES.
CSCug52380	DMP needs to fetch NTP settings on boot up.
CSCum80961	Incorrect error message posted for corrupted upgrade file.
CSCup92446	Multiple vulnerabilities in OpenSSL - June 2014.

Caveats Resolved in 5.4.1 RB1

The following table describes the caveats that were resolved in Cisco DMS 5.4.1 RB1.

Table 16: Resolved Caveats for Cisco DMS 5.4.1 RB1

Identifier	Description
CSCub23849	DMM allows redirection to a custom website through URL crafting.
CSCud12361	Multiple DMPs lock up (reboot needed) after packet loss.
CSCue88991	DMD playlist should validate the URL entered.
CSCuh52815	Black screen occurs on DMP after a channel scheduled event is edited.
CSCui60878	DMP proxy exception list does not work as expected for mixed content.

Identifier	Description
CSCui70438	DMP is not pulling content from local USB in Cast mode.
CSCul44562	DMP MIB setting on causes seamless video looping not smooth.

Caveats Resolved in 5.4.1

The following table describes the caveats that were resolved in Cisco DMS 5.4.1.

Table 17: Resolved Caveats for Cisco DMS 5.4.1

Identifier	Description
CSCti09407	DMM/SNS should support wildcard SSL certificates.
CSCtj68453	DMD does not support non-latin fonts in RSS feeds.
CSCtq78283	Presentations with > 240 assets don't play after 5.1 > 5.2.2 upgrade.
CSCua21277	DMP 4305 and 4310 do not have static IP address Domain Name field.
CSCub69674	DMP 4310G white screen displayed with randomization enabled.
CSCuc02299	DSM file transfer to DMP changes internal storage setting to Read-Only.
CSCud03326	Error Saving a Presentation in Cisco DMM.
CSCud18722	DMM server needs to be rebooted after enabling SNMP settings.
CSCud35158	DMM Authentication Failed, When LDAP Filter base DN contains "----".
CSCud49290	Hide/Show mouse cursor on touch screens.
CSCud53912	Impossible to clear the external POP server FQDN once setup by mistake.
CSCud60025	Multiple images can cause flashfile to cause moving blocks.
CSCud63061	DMP4400G randomly reboots while playing a video playlist.

Identifier	Description
CSCud65354	CAST fails to sync XMLTV file missing stop attribute in programme tag.
CSCud72388	DMP requires support for SSM IGMPv3.
CSCud88776	Syn Flooding can Cause DMP to lock up.
CSCue29017	Syslog and debug logs fill up /var/log partition
CSCue85388	TestRoot not Working, DMM reports "/" file system is full.
CSCug22856	DMP 4310G - one row deleted every time 'http' refresh occurs on HTML page.
CSCug63650	DMP does not fail over to secondary NTP server.

Caveats Resolved in 5.4

The following table describes the caveats that were resolved in Cisco DMS 5.4.

Table 18: Resolved Caveats for Cisco DMS 5.4

Identifier	Description
CSCtt42832	Black border for full-screen channel with *Cisco Cast* on DMP 4310G.
CSCti60435	4400G: Allow playlist background to display through transparent SWF. **Note** This problem can still affect DMP 4305G endpoints.
CSCtn66678	DMP 4400G lockup when playing slideshow.
CSCua38320	DMM limitation of 200 characters for the User DN field of users being imported from Active Directory via LDAP.

Open Caveats

The following table describes possible unexpected behavior by Cisco DMS components.

Table 19: Open Caveats for Cisco DMS 5.4

Identifier	Description
Cisco Digital Media Players	

Identifier	Description
CSCua48600	DMPs reject MakeCert wildcard certificates from an untrusted CA DMPs cannot establish HTTPS connections with hosts that use these certificates. Their attached presentation systems show only a white screen. This is due to incompatibility between QtWebKit and Microsoft MakeCert. **Workaround:** Use OpenSSL when wildcard certificates are required.
CSCua50237	DMPs reject certificates that contain alternative names (subjectAltName) DMPs cannot establish HTTPS connections with hosts that use these certificates. Their attached presentation systems show only a white screen. This is a limitation in our QtWebKit-derived browser. **Workaround:** Obtain unique certificates for each alias as the common name (CN).
CSCua50937	DMPs cannot use a CIFS mount where local security is NTLMv2 **Workaround:** Use NTLM.
CSCua48541	DMPs reject MakeCert's self-signed wildcard certificates DMPs cannot establish HTTPS connections with hosts that use these certificates. Their attached presentation systems show only a white screen. This is due to incompatibility between QtWebKit and Microsoft MakeCert **Workaround:** Use OpenSSL when wildcard certificates are required.
CSCua79950	Corner case prevents DMP 4310G playback of MPEG-2 clips Video playback can fail in this convoluted scenario: You create and save a public playlist that features an HTML 5 page, which uses the <VIDEO> tag to load an MPEG-2 video clip. Then, you use the Run Task feature in DMM to deploy the corresponding Go-to-URL application to a DMP 4310G. Your DMP 4310G cannot play the associated MPEG-2 video clip in this scenario, even though it can play the same clip correctly in other scenarios. **Workaround:** Deploy the Stop All Applications advanced task to a DMP 4310G immediately before you deploy this kind of public playlist.

Identifier	Description
CSCuc01818	DMP 4310G: NTP synchronization sometimes fails Two known scenarios can sometimes prevent NTP synchronization on DMP 4310G endpoints. • Your DMP is connected to its display via a component video cable while HDMI autodetection is turned Off. Then, you configure NTP and reboot your DMP. **OR** • Your NTP-using DMP is connected to its display via an HDMI cable while HDMI autodetection is turned On. Then, you unplug the HDMI cable and reboot your DMP. **Workaround:** Avoid these scenarios when you use NTP on a DMP 4310G.
Cisco Cast	
CSCtj48360	4310: Cast incorrectly highlights EPG listings A DMP 4310G does not always render yellow highlighting correctly in the electronic program guide (EPG) listings for Cisco Cast. As you navigate through EPG program listings, yellow highlights on screen should always indicate which listing is the current focus of your navigation. However, this highlighting can become offset from your true focus. Before the EPG reaches this state, all of the following must be true simultaneously. • A DMP 4310G controls the digital sign that shows your EPG. • Your EPG navigation focus reaches to the outermost edge of your navigable EPG -- whether top, bottom, left, or right. • You use an arrow button or other control that is not valid for your current focus. • The reason this control is not valid in this context is that it would move focus beyond the outermost edge. **Workaround:** To recover from this state, press any valid button. Alternatively, double-press the same arrow button or other control that you previously invoked in error. The yellow highlight is then restored to your true focus.
Cisco Digital Signs	

Identifier	Description
CSCtg97013	Running a slide show on 4305G reboots after 6 hours A slideshow running on the 4305G reboots after 6-8 hours. The issues occur in the following conditions: • DMP 4305G • Images in slideshow • Video failover enabled **Workaround:** The reboot issue can be resolved by disabling the video failover option. This option has also been turned off by default on the DMP. Users can also use an image playlist with a preload time instead of an image slideshow. In typical use cases, video failover should not be required in presentations with image slideshows.
CSCth10635	4400/4305: Starting and stopping DMP presentations takes longer than 5.1. **Workaround:** Use a public playlist instead of a DMD presentation, because it is implemented completely in JavaScript as opposed to using the Flash player.
CSCtj31811	4310: Slide show transition will slow down the SWF in an all-media playlist and RSS. A slide show transitioning to the next image may cause any concurrently playing SWF and/or cause an RSS feed to slow down. Conditions: • Slide show is present with animated transitions • RSS feed and/or all-media playlist containing a SWF item playing simultaneously • Deployed on the 4310 **Workaround:** Use the “No-effect” transition option for the slide show object.
CSCtq15140	Unable to stop Emergencies, causing future events to fail. Emergencies are started but cannot be stopped. **Workaround:** Do the following. **1** Select the DMP group showing “red” under Digital Media Players > Emergencies **2** Start an emergency on that group **3** Stop the emergency from that group

Identifier	Description
CSCtx22591	Channel features fail upon address format mismatch for Servlet Server Your DMM and AAI entries must all be perfectly consistent in fields that specify the address of your DMM server. Do not mix numeric IP addresses in some fields with alphanumeric FQDNs in other fields. You must use only one of these addressing methods, and never use the other. The method that you prefer should be whichever one you use to point your browser at your DMM server. Otherwise, certificate mismatch interferes with normal operation of multiple features. **Workaround:** None.
CSCtz70206	Random characters on Default Content page when title uses UTF-8 Multiple fields might show random characters on the Default Content page for a channel. This occurs after you (A.) save a playlist with any UTF-8 characters in its Title field, and then (B.) choose this playlist as default content. We do not support your use of UTF-8 characters in any Title field or Name field. **Workaround:** Fix the title and resave the playlist. Then, check for and correct similar errors elsewhere.
CSCub46418	Estimated duration of an all-media playlist can be slightly wrong on a DMP 4310G Scenario: Your DMP 4310G presentation includes two separate browser instances, which overlap. Each browser instance is rendering an all-media playlist for which you have defined a preload interval, and both include HTML/browser content. At least one of these browser instances is rendering a computationally “heavy” webpage, such as one that includes many high-resolution images. In this scenario, each playlist item might play for slightly longer than you intended. **Workaround:** Avoid this scenario.

Learn More About...

To Learn About	Go To
Cisco Digital Media Suite	
Cisco DMS products and technologies	http://cisco.com/go/dms
Cisco DMS technical documentation	http://cisco.com/go/dms/docroadmap
Cisco DMS APIs and SDK	http://developer.cisco.com/web/dms

To Learn About	Go To
Cisco DMS SNMP MIB	http://cisco.com/go/dms/mib http://cisco.com/go/dms/mib
Cisco Connected Sports	
Cisco StadiumVision	http://cisco.com/go/stadiumvision
Cisco	
Service contracts	http://cisco.com/go/cscc
Standard warranties	http://cisco.com/go/warranty [14]
Technical support	http://cisco.com/go/support
Technical documentation	http://cisco.com/go/techdocs
Product security	http://cisco.com/go/psirt
Sales	http://cisco.com/go/ordering
Obtain Documentation or Submit a Service Request	
For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation* , which also lists all new and revised Cisco technical documentation, at: http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html Subscribe to *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.	

14 Then, for the devices that this guide describes, click warranties:for this product Cisco 90-Day Limited Hardware Warranty Terms

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA 95134-1706
USA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV
Amsterdam, The Netherlands