



# Release Notes 6.4 for Cisco Vision Dynamic Signage Director

**Cisco Vision Dynamic Signage Director Release 6.4.0-950 SP4**

**Last Updated:** 2022-08-31

**First Published:** 2021-06-24

**Note:** All screens and figures in this document show the Administrator role only.

**Table 1 Document Revision History**

Date	Revision History
<b>Last Updated:</b> 2022-08-31	<p>This is an update to the Release Note 6.4.0-950, Service Pack 4. It includes the feature updates, upgrade path requirements, security updates, other fixes, and resolves defects. The following sections of this document were updated:</p> <ul style="list-style-type: none"> <li>■ <a href="#">Feature Updates, page 18</a></li> <li>■ <a href="#">Upgrade Paths, page 25</a></li> <li>■ <a href="#">Resolved Defects in Release 6.4.0-950 SP4, page 30</a></li> <li>■ <a href="#">Open Defects in Release 6.4.0-950 SP4, page 31</a></li> <li>■ <a href="#">Hot Fixes in Release 6.4, page 34</a></li> </ul>
<b>Last Updated:</b> 2022-01-21	<p>This is an update to the Release Note 6.4.0-598, Service Pack 3. It includes the upgrade path requirements, security updates, other fixes, and resolves defects. The following sections of this document were updated:</p> <ul style="list-style-type: none"> <li>■ <a href="#">Management Information Base (MIB) Variables for Director, page 6</a></li> <li>■ <a href="#">Upgrade Paths, page 25</a></li> <li>■ <a href="#">Resolved Defects in Release 6.4.0-598 SP3, page 32</a></li> <li>■ <a href="#">Hot Fixes in Release 6.4, page 34</a></li> </ul>
<b>Last Updated:</b> 20210-10-07	<p>This is an update to the Release Note 6.4.0-269, Service Pack 2. It includes the upgrade path requirements, security updates, other fixes, and resolves defects. The following sections of this document were updated:</p> <ul style="list-style-type: none"> <li>■ <a href="#">Upgrade Paths, page 25</a></li> <li>■ <a href="#">Resolved Defects in Release 6.4.0-269 SP2, page 26</a></li> <li>■ <a href="#">Open Defects in Release 6.4.0-269 SP2, page 27</a></li> </ul>
<b>First Published:</b> 2021-06-24	Initial release of Cisco Vision Dynamic Signage Director Release 6.4.0-183.

## What's New in Release 6.4

Here's a quick list of the newest features now available in Release 6.4:

- [New DMP Firmware Support, page 3](#)
- [Enable SNMP on Cisco Vision Director, page 4](#)
- [Enable SNMP on the DMPs, page 5](#)
- [Enable Syslog Support from Director to an External Server, page 11](#)
- [Syslog Support on the DMPs, page 13](#)
- [USB and SD Card Restrictions on DMPs, page 16](#)
- [Feature Updates, page 18](#)
- [Hot Fixes in Release 6.4, page 34](#)



# Enable SNMP on Cisco Vision Director

## WHAT IS IT

Release 6.4 allows you to enable Cisco Vision Director to respond to Simple Network Management Protocol (SNMP) information requests sent from a Network Management Server.

## WHY USE IT

To enable the SNMP requests to be processed by Director.

## WHERE TO CONFIGURE IT

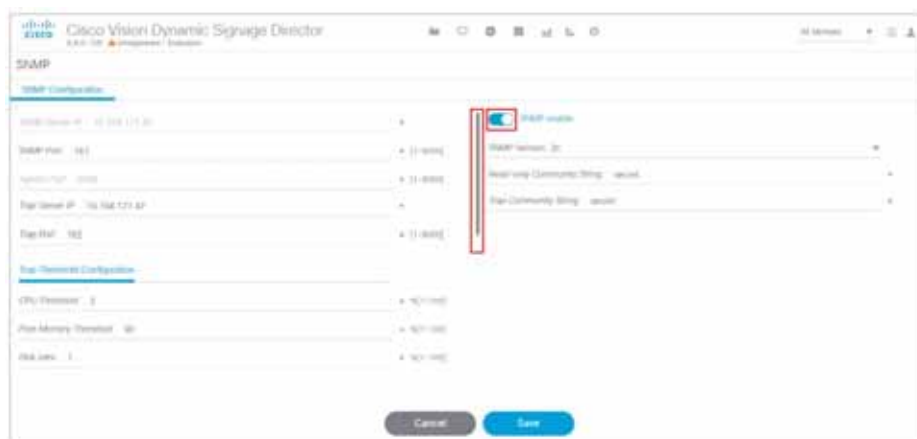
1. Click **More > SNMP Configuration** (Figure 2 on page 4). The screen updates showing the configuration and trap thresholds.
2. Click the slider to **SNMP enable** (Figure 3 on page 4). Use the scroll bar to see all the **Trap Threshold Configurations**.

**Figure 2** Accessing SNMP for Director



Roll over any fields and see the arrows appear. Make changes, if necessary.

**Figure 3** Set SNMP Configuration Information



3. Click **Save**.

**Note:** By default this is not configured. You must enable SNMP and choose settings. Then choose the trap threshold values.

## Enable SNMP on the DMPs

### WHAT IS IT

Release 6.4 introduces SNMP support on the DMPs. The version of SNMP supported is SNMP V2C.

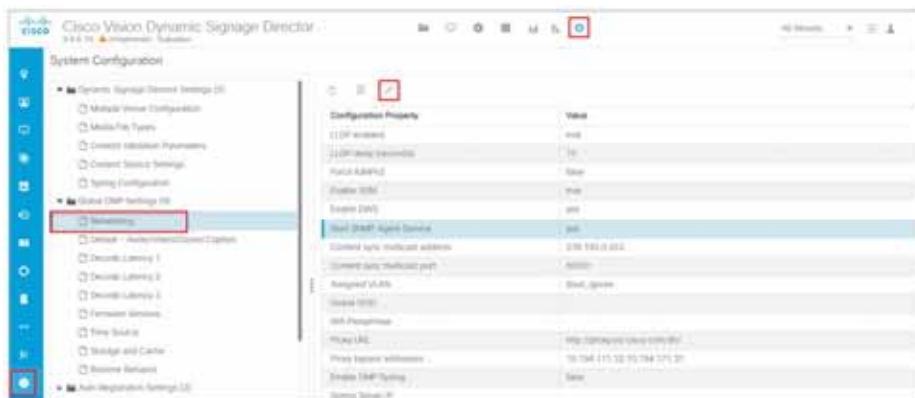
### WHY USE IT

To enable the DMP to respond to the SNMP requests from an external Network Management Server. This allows different devices on a network to share information, even if they are running different software and include different hardware devices.

### WHERE TO CONFIGURE IT

1. Click **Configuration > System Configuration > Global DMP Settings > Networking**.
2. Select **Start SNMP Agent Service** (Figure 4 on page 5) from the Configuration Properties panel.

Figure 4 Enable SNMP on the DMPs



3. Click **Edit**. The Edit Configuration dialog box appears.
4. Set the **Value** to “yes.” Click **Save**.

Figure 5 Set Start SNMP Agent Service



This registry opens the SNMP port on the device so it is available to receive log files. Now the SNMP service information can be received from the DMP.

**Note:** The community string for the DMP is “public”. This is not configurable.

## Management Information Base (MIB) Variables for Director

### To get to Cisco MIB data:

1. Use an FTP client program to go to `ftp.cisco.com`.
2. Log in and use `anonymous` as the user name and your email address as the password.
3. Issue the `cd /pub/mibs` command to change directories to `/pub/mibs/v2`.

**Note:** If you encounter any problems, try to log in with a minus sign (-) as the first character of your password. This turns off a feature that might be confusing your FTP client program. To download files from Cisco.com, you must use a passive-mode-capable FTP client. Contact your systems administrator to obtain one.

Send any questions, comments, or problem reports about FTP-related issues to Cisco.com Feedback.

The following table lists the MIBs currently supported for Cisco Vision Director.

**Table 2 MIBs for Cisco Vision Director**

Source	Value	Description
CPU	percentage of user CPU time: .1.3.6.1.4.1.2021.11.9.0	The percentage of CPU time spent processing user-level code, calculated over the last minute. This object has been deprecated in favor of 'ssCpuRawUser(50)', which can be used to calculate the same metric but over any desired time period.
	raw user CPU time: .1.3.6.1.4.1.2021.11.50.0	The number of 'ticks' (typically 1/100s) spent processing user-level code.  On a multi-processor system, the 'ssCpuRaw*' counters are cumulative over all CPUs, so their sum will typically be N*100 (for N processors).
	percentages of system CPU time: .1.3.6.1.4.1.2021.11.10.0	The percentage of CPU time spent processing system-level code, calculated over the last minute.  This object has been deprecated in favor of 'ssCpuRawSystem(52)', which can be used to calculate the same metric, but over any desired time period.
	raw system CPU time: .1.3.6.1.4.1.2021.11.52.0	The number of 'ticks' (typically 1/100s) spent processing system-level code.  On a multi-processor system, the 'ssCpuRaw*' counters are cumulative over all CPUs, so their sum will typically be N*100 (for N processors).
	percentages of idle CPU time: .1.3.6.1.4.1.2021.11.11.0	The percentage of processor time spent idle, calculated over the last minute.  This object has been deprecated in favor of 'ssCpuRawIdle(53)', which can be used to calculate the same metric, but over any desired time period.
	raw idle CPU time: .1.3.6.1.4.1.2021.11.53.0	The number of 'ticks' (typically 1/100s) spent idle.  On a multi-processor system, the 'ssCpuRaw*' counters are cumulative over all CPUs, so their sum will typically be N*100 (for N processors).

**Table 2 MIBs for Cisco Vision Director**

Source	Value	Description
	raw nice CPU time: .1.3.6.1.4.1.2021.11.51.0	The number of 'ticks' (typically 1/100s) spent processing reduced-priority code.  On a multi-processor system, the 'ssCpuRaw*' counters are cumulative over all CPUs, so their sum will typically be N*100 (for N processors).
Memory	Total Swap Size: .1.3.6.1.4.1.2021.4.3.0	The total amount of swap space configured for this host (KB).
	Available Swap Space: .1.3.6.1.4.1.2021.4.4.0	The total amount of available swap space configured for this host (KB).
	Total RAM in machine: .1.3.6.1.4.1.2021.4.5.0	The total amount of real/physical memory installed on this host (KB).
	Total RAM used: .1.3.6.1.4.1.2021.4.6.0	Total Memory Used (KB).
	Total RAM Free: .1.3.6.1.4.1.2021.4.11.0	The total amount of memory free or available for use on this host. This value typically covers both real memory and swap space or virtual memory (KB).
	Total RAM Shared: .1.3.6.1.4.1.2021.4.13.0	The total amount of real or virtual memory currently allocated for use as shared memory (KB).
	Total RAM Buffered: .1.3.6.1.4.1.2021.4.14.0	The total amount of real or virtual memory currently allocated for use as memory buffers (KB).
	Total Cached Memory: .1.3.6.1.4.1.2021.4.15.0	The total amount of real or virtual memory currently allocated for use as cached memory (KB).
Disk	Path where the disk is mounted: .1.3.6.1.4.1.2021.9.1.2	Disk mounted path details.
	Path of the device for the partition: .1.3.6.1.4.1.2021.9.1.3	Disk partitioned path details.
	Total size of the disk/partition (kBytes): .1.3.6.1.4.1.2021.9.1.6	Disk partitioned total size in KB details.
	Available space on the disk: .1.3.6.1.4.1.2021.9.1.7	Available space in disk partitioned KB details.
	Used space on the disk: .1.3.6.1.4.1.2021.9.1.8	Used space in disk partitioned KB details.
	Percentage of space used on disk: .1.3.6.1.4.1.2021.9.1.9	Percentage of space used in disk partitioned details.



**Table 2 MIBs for Cisco Vision Director**

Source	Value	Description
Network	List NIC names: .1.3.6.1.2.1.2.2.1.2	A textual string containing information about the interface. This string should include the name of the manufacturer, the product name and the version of the interface hardware/software.
	Get Bytes IN: .1.3.6.1.2.1.2.2.1.10	The total number of octets received on the interface, including framing characters.  Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
	Get Bytes OUT: .1.3.6.1.2.1.2.2.1.16	The total number of octets transmitted out of the interface, including framing characters.  Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
NTP Sync Status	.1.3.6.1.4.1.9.9.1051.2.3	It describes the Cisco Vision Director NTP sync status:  0 : Sync 1 : unsync -1 : Unknown"
TV HDMI-On /Off	.1.3.6.1.4.1.9.9.1051.2.2.1	This table consists the attributes of DMPs that are required to be tracked. This includes HDMI up/down status (0=Up;1=Down), DMP up/downstatus(0=Down;1=Up).
Director Services	.1.3.6.1.4.1.9.9.1051.2.1.1	This table consists of the status attribute of different services inside DSD like config, control, monitor, local control, broker, CMS and Menu.

The following table lists the DMP MIBs currently supported.

**Table 3 MIBs for the DMP**

Source	Value	Description
<b>Disk</b>	.1.3.6.1.4.1.2021.9.1.2 => disk identifier	Path where the disk is mounted.
	.1.3.6.1.4.1.2021.9.1.6.1 => Total size	Total size of the disk/partition (kBytes).
	.1.3.6.1.4.1.2021.9.1.7.1 => Available space	Available space on the disk.
	.1.3.6.1.4.1.2021.9.1.8.1 => Used space	Total used space on disk.
	.1.3.6.1.4.1.2021.9.1.9.1 => Percentage of space	Total percentage of disk space used.
<b>TV Status</b>	.1.3.6.1.4.1.9.9.1051.3.1 => TV status	This field represents the DMP TV On/Off status:  1 : On 0 : Off -1 : Unknown
<b>Memory</b>	.1.3.6.1.4.1.2021.4.5.0 => Total RAM	Total RAM size in KB.
	.1.3.6.1.4.1.2021.4.6.0 => RAM used	Total memory used (KB).
<b>Network</b>	.1.3.6.1.4.1.9.9.1051.3.4.1 => NIC names	A textual string containing information about the interface.
	.1.3.6.1.4.1.9.9.1051.3.4.2 => Get Bytes IN	This field represents DMP Byte In for an interface.
	.1.3.6.1.4.1.9.9.1051.3.4.3 => Get Bytes OUT	The total number of bytes transmitted out of the interface, including framing characters.
	.1.3.6.1.4.1.9.9.1051.3.4.4 => Packet counter	The total number of octets transmitted out of the interface, including framing characters.
	.1.3.6.1.4.1.9.9.1051.3.4.5 => Packet error counter	The total number of Error of octets transmitted out of the interface, including framing characters.
<b>CPU</b>	.1.3.6.1.4.1.2021.11.9.0 => Percentage of user CPU time	The percentage of CPU time spent processing user-level code, calculated over the last minute. This object has been deprecated in favor of 'ssCpuRawUser(50)', which can be used to calculate the same metric, but over any desired time period.
	.1.3.6.1.4.1.9.9.1051.3.5.1 => Raw user CPU time	The field represents the CPU raw user for DMP.
	.1.3.6.1.4.1.2021.11.11.0 => Percentages of idle CPU time	The percentage of processor time spent idle, calculated over the last minute. This object has been deprecated in favor of 'ssCpuRawIdle(53)', which can be used to calculate the same metric, but over any desired time period.
	.1.3.6.1.4.1.9.9.1051.3.5.2 => Raw idle CPU time	This field represents the CPU raw Idle for DMP.

**Table 3 MIBs for the DMP**

Source	Value	Description
<b>NTP Sync Status</b>	.1.3.6.1.4.1.9.9.1051.3.2 => NTP sync status	This field represents the NTP sync and Unsync: 0 : sync 1 : Unsync -1 : Unknown"
<b>PTP</b>	.1.3.6.1.4.1.9.9.1051.3.3.1 => PTP sync status (freerun/master)	This field represents PTP sync status (freerun/master): 0 : sync 1 : Unsync -1 : Unknown"
	.1.3.6.1.4.1.9.9.1051.3.3.2 => Master or slave	Master or Slave 0 : Master 1 : Slave
	.1.3.6.1.4.1.9.9.1051.3.3.3=> Deviation	Deviation from master.

## Enable Syslog Support from Director to an External Server

### WHAT IS IT

Release 6.4 enables the system logs files to be sent to the syslog server from Cisco Vision Director. We added a new configuration property to set in **System Configuration** interface. The default for this property is "false." After you configure Director to send the syslog files, set up the external server to receive the files from Cisco Vision Director.

### WHY USE IT

To support system log events to downstream targets.

### WHERE TO CONFIGURE IT

1. Click **Configuration > System Configuration > Dynamic Signage Director Setting > Syslog Configuration**.
2. Select **Enable Syslog** (Figure 6 on page 12).
3. Click **Edit**. The Edit Configuration Setting dialog box appears.
4. Select **"true"** from the down arrow and click **Save** (Figure 7 on page 12).

## Enable Syslog Support from Director to an External Server

Figure 6 Enable Syslog Property

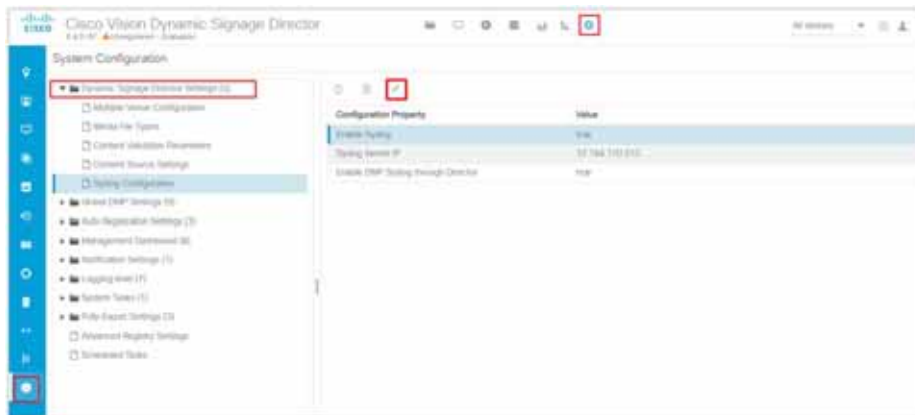


Figure 7 Set the Enable Syslog Property



Cisco Vision Director forwards the following system log files to the NMS server:

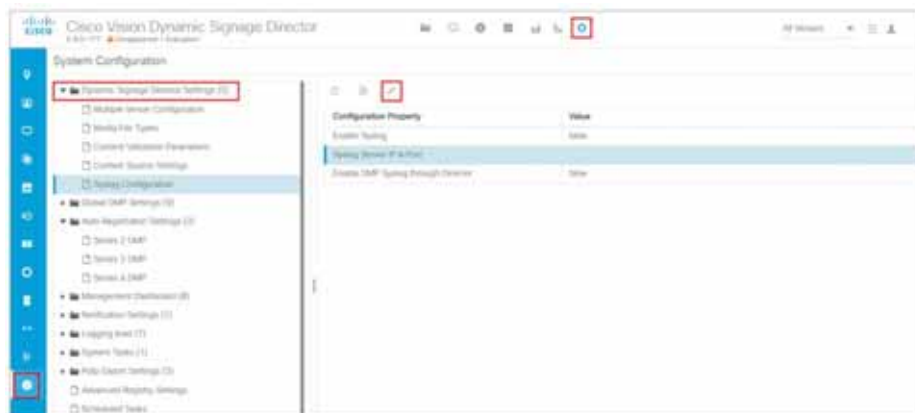
- RFC5424: The latest format of the syslog message defined in RFC5424
- RFC5426: Transports the log through user datagram protocol (UDP)

Now that you have enabled the service, tell Director where to send the syslog files.

**To set the syslog IP and Port address:**

1. Click **Syslog Server IP & port**([Figure 8 on page 12](#)).
2. Click **Edit**. The Edit Configuration dialog box appears ([Figure 9 on page 13](#)).

Figure 8 Set Syslog Server IP Address



## Syslog Support on the DMPs

**Figure 9 Syslog Server IP & Port Property**

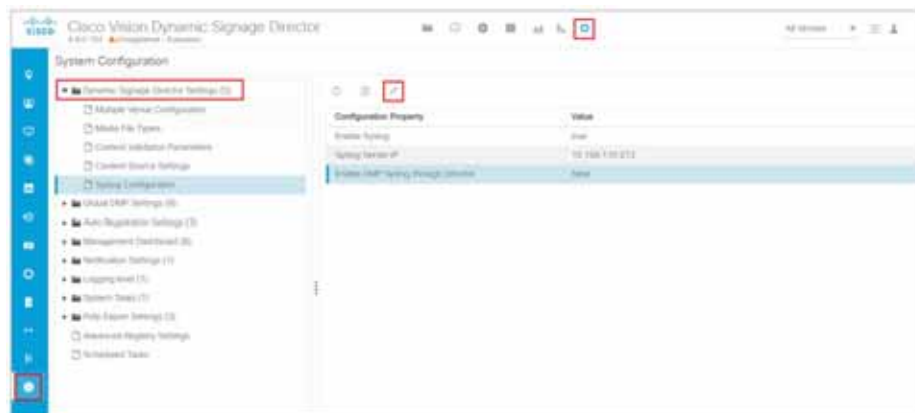
3. Type the address in the **Value** field.
4. Click **Save**.

The IP address you set routes the syslog information from Cisco Vision Director to that server.

5. Verify the IP & Port address now appears in the field (Figure 8 on page 12).

**To set the ability for DMP system logs to get to Director:**

1. Click **Configuration > System Configuration > Dynamic Signage Director Setting > Syslog Configuration**.
2. Select **Enable DMP Syslog through Director** property (Figure 10 on page 13).
3. Click **Edit**. The Edit Configuration Setting dialog box appears.
4. Change the Value to **true**.

**Figure 10 Enable DMP Syslog through Director Property**

## Syslog Support on the DMPs

**WHAT IS IT**

When you set **Enable DMP Syslog** to **true**, this command enables the system log files to be sent to the external syslog server, except for the DWS logs. The Configuration Property default in Cisco Vision Director is **false**.

**WHY USE IT**

To support system log files from the DMPs to the external syslog server.

**WHERE TO CONFIGURE IT**

1. Click **Configuration > System Configuration > Global DMP Settings > Networking**.
2. Select **Enable DMP Syslog**.

## Syslog Support on the DMPs

3. Click **Edit** (Figure 11 on page 14). The Edit Configuration Setting dialog box appears (Figure 12 on page 14).

Figure 11 Enable DMP Syslog Support

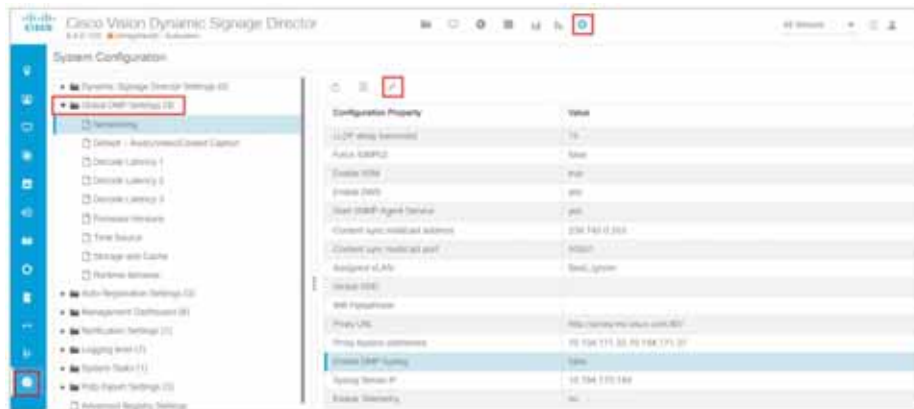


Figure 12 Set Enable DMP Syslog Property



4. Set the **Value** to **true**. Click **Save**.

**Note:** After enabling this property, reboot the DMPs.

When you start or stop service of the Syslog, the log files start over, meaning the history is lost. The purging and disposal functionality of older log files remains the same.

For the system log files to be sent to the remote server, configure the Syslog Server IP setting in the Director UI.

#### To set a syslog server IP address:

5. Click **Configuration > System Configuration > Global DMP Settings > Networking**.
6. Select **Syslog Server IP & Port**.
7. Click **Edit** (Figure 13 on page 15). The Edit Configuration Setting dialog box appears (Figure 14 on page 15).

Syslog Support on the DMPs

Figure 13 Syslog Server IP from the DMPs

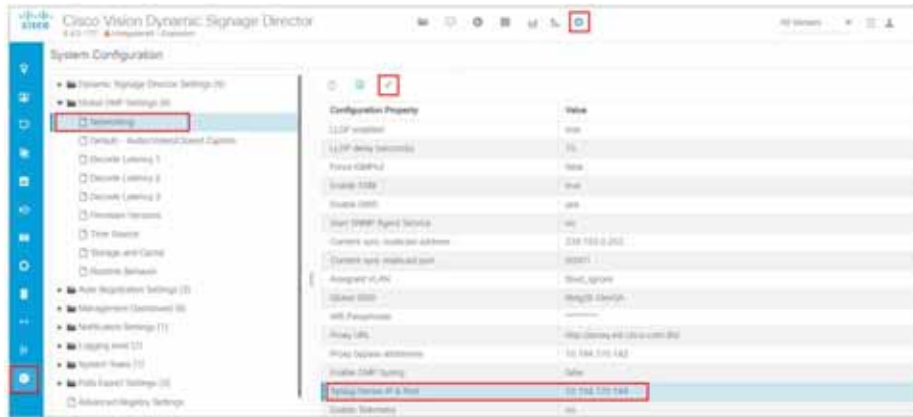
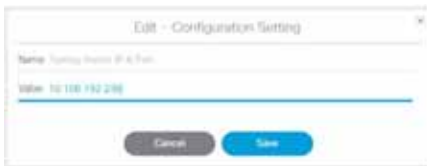


Figure 14 Set Syslog Server IP & Port Address from the DMP



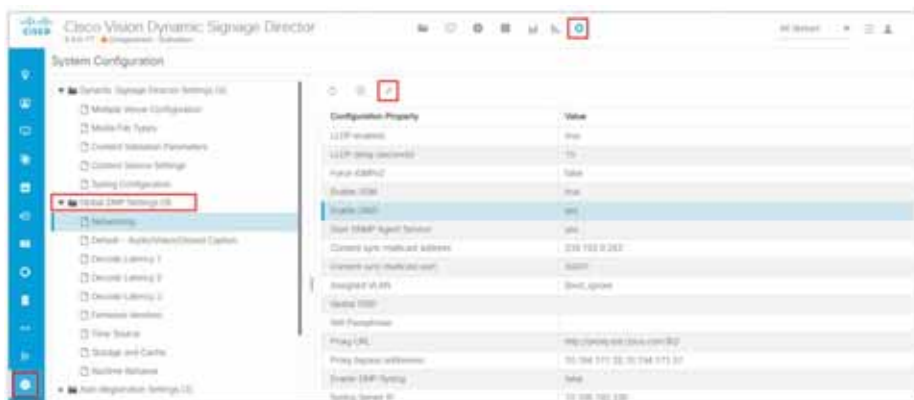
8. Type the address in the **Value** field.
9. Click **Save**.

The IP address you set routes the syslog information from DMPs to that external server.

Verify the IP address now appears in the field.

**Note:** For the diagnostic web server logs to be sent to the DMPs, you must set the Enable DWS property to **yes** (Figure 15 on page 15).

Figure 15 Enable DWS for the DMPs



**Note:** Reboot the DMP(s) to take effect.

## USB and SD Card Restrictions on DMPs

### WHAT IS IT

Release 6.4 introduces the ability to enable or disable the USB or SD card on groups or a single DMP using a new command in **Device Management**. For the command to work, we added a new registry to set in the **System Configuration** interface. The default is USB/SD card enabled.

**Note:** The CV-HD2 DMP has a micro SD card and this command is not supported.

### WHY USE IT

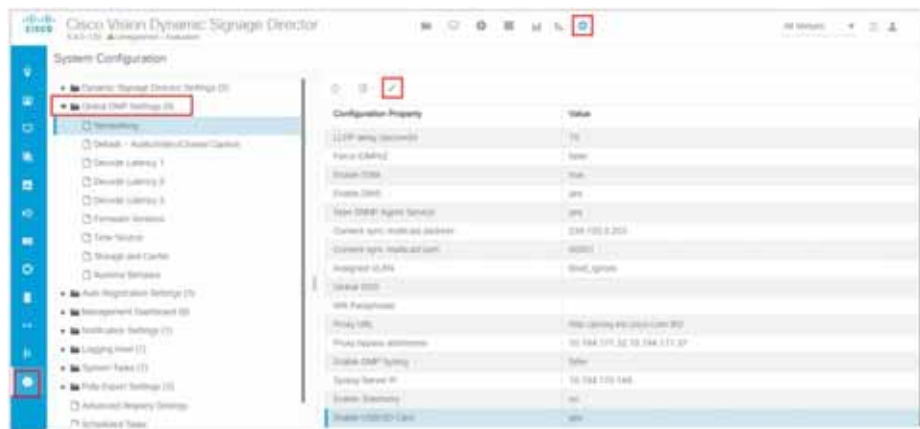
Quickly enable or disable large groups or a single DMP with a quick command.

### WHERE TO CONFIGURE IT

To set the Compliance Value to Enable USB/SD card registry:

1. Click **Configuration > System Configuration > Global DMP Settings > Networking** (Figure 16 on page 16).

Figure 16 Enable USB/SD Card Registry



2. Click the **Enable USB/SD Card** property.
3. Click **Edit**. The Edit - Configuration Setting dialog box appears (Figure 17 on page 16).
4. Set the **Value** to **Yes**.
5. Click **Save**.

Figure 17 Enable USB/SD Card on the DMPs



This sets the compliance value to enable the USB/SD cards on all the DMPs, making them able to accept a Command from **Device Management**.

To enable the USB/SD Cards on specific DMPs:

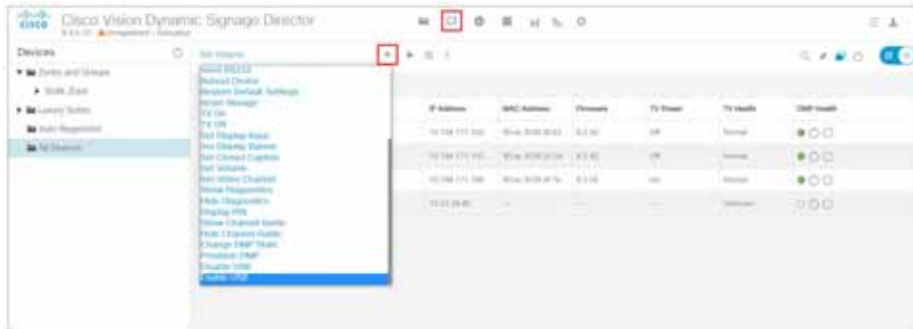
1. Click **Device Management** and navigate to a DMP in the folders such as **Zones and Groups**.
2. Select the DMPs on which you want to act.



## USB and SD Card Restrictions on DMPs

3. Click the down arrow in the Action Box. Scroll to the bottom of the list (Figure 18 on page 17).

Figure 18 Device Management Interface



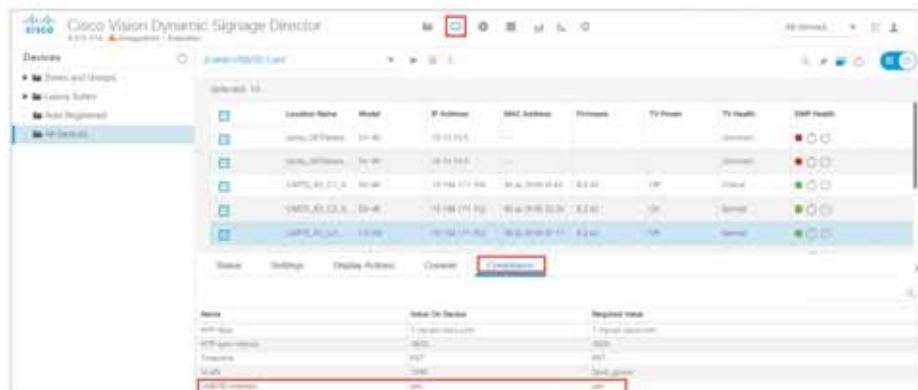
4. Click **Enable USB** or **Disable USB**.
5. Click **Play (Send Command)**. The Send Command dialog box appears telling you how many DMPs are selected and that action will execute.

**Note:** When you run the **Enable** or **Disable the USB/SD Card** command, the selected DMPs reboot.

6. Click **OK** to execute command.

Check the enable/disable status of your command in the **Compliance** tab.

7. With a DMP selected in the list above, click **Compliance**. Verify the setting and values match (Figure 19 on page 18). If the values do not match, Director notifies you that you are non-compliant for that DMP.

**Figure 19 Check Compliance Values**

**Note:** The **Value on the Device** field is the individual DMP value. The **Required Value** field comes from the global setting. If they don't match, a pale red highlighted region shows in the **Compliance** tab. The global setting only takes effect if you provision the DMPs. If individual DMP USB setting is changed in **Device Management**, the compliance value would not change immediately. Execute a **Get Status** (Figure 18 on page 17) command so the DMP gets the latest compliance value.

## Feature Updates

### Default Background Image displays for 10-15 seconds only

The “Default DMP Image” displays for about 10 seconds for the following:

- After a DMP reboot
- When a script has started
- When a script has stopped
- When the VM is Down or powered Off

**TIP:** If the requirement is to have a static image displayed permanently when no script is running, we recommend that you set up a DMP as decoder with the “Display Streaming” feature configured. This allows you to configure a script applied to this DMP, with a playlist containing the static image you would want to have displayed. This static image will then be multicast streamed out and can be setup as a default channel. This will automatically display when there is no script running.

### TV On/Off Command Adjustment

Using Script Management, we recommend you run a TV On/Off script state / action twice with an interval of 10 seconds or more, to see the improved/optimal response on TVs (specifically when SV4k/Series 2 DMPs are used) for TV On/Off Operation. Sometimes, the TV On/Off commands are dishonored/missed by TVs. Running the script twice increases success rate.

## Key Considerations for This Release

**Note:** This section provides a highlight of several important considerations for Cisco Vision Dynamic Signage Director Release 6.4. Read the entire Release Note to obtain all relevant information for this release.

**IMPORTANT:** Release 6.3 removed the mandatory need to have an Adobe Flash-compatible browser to use Cisco Vision Director. Adobe stopped distributing and updating Flash Player after December 31, 2020. Update to at least Release 6.3

## System Requirements

no later than the end of 2020 calendar year.

<https://www.adobe.com/products/flashplayer/end-of-life.html>

Also, here's a link to a field notice:

<https://www.cisco.com/c/en/us/support/docs/field-notices/720/fn72069.html>

**IMPORTANT:** We removed the switch import capability in Release 6.3 because the switches that Cisco Vision Director supported in the past no longer work when security updates were applied on their firmware. We are exploring similar functionality for newer switches / firmware in a future release.

## System Requirements

### Operating System and Browser Support

[Table 4 on page 19](#) describes the browser software versions that have been tested with Cisco Vision Dynamic Signage Director Release 6.4.

**Table 4 Tested Browser Software**

PC or Laptop OS	Browser Version <sup>1</sup>
Apple MAC OS Mojave (10.15.5)	Google Chrome Version 84.0.4147.125
	Mozilla FireFox Version 79.0
Microsoft Windows 10 (Version 1803)	Google Chrome Version 84.0.4147.135
	Mozilla FireFox Version 79.0

1. Other than what is listed in this table, no additional browser software is tested (for example, not Apple Safari or Microsoft Edge). However, other untested browser software might work.

### Cisco Unified Communications Support

Cisco Vision Dynamic Signage Director supports the Cisco Unified IP Phone 7975G and 9971 models.

#### Cisco Unified IP Phone 7975G

[Table 5 on page 19](#) lists the combinations of Cisco Unified Communications Manager (CUCM) and firmware for the Cisco Unified IP Phone 7975G that were tested for compatibility with Cisco Vision Dynamic Signage Director Release 6.4.

**Table 5 Tested Cisco Unified Communications Compatibility for the IP Phone 7975G**

CUCM Version	Cisco Unified IP Phone Firmware
12.0.1.21900-7	SCCP75.9-4-2SR3-1S
12.5.1.11900-146	SCCP75.9-4-2SR3-1S

#### Cisco Unified IP Phone 9971

[Table 6 on page 20](#) lists the combinations of Cisco Unified Communications Manager (CUCM) and firmware for the Cisco

## Feature Summary by Media Player Model

Unified IP Phone 9971 that were tested for compatibility with Cisco Vision Dynamic Signage Director Release 6.4.

**Table 6 Tested Cisco Unified Communications Compatibility for the IP Phone 9971**

CUCM Version	Cisco Unified IP Phone Firmware
12.0.1.21900-7	sip9971.9-4-2SR2-2
12.5.1.11900-146	sip9971.9-4-2SR4-1

**Note:** Avoid trying to use any major version other than 12.0 or 12.5.

## Feature Summary by Media Player Model

The following table identifies a subset of features that are supported only by certain DMP models in Cisco Vision Dynamic Signage Director.

**Table 7 DMP-Specific Feature Map**

Feature	Series 2 DMP-2K & SV-4K		Series 3 CV-HD & CV-UHD		Series 4 CV-HD2 & CV-UHD2	
	No	Yes	No	Yes	Yes	Yes
UHD Local Video	<b>No</b>	Yes	<b>No</b>	Yes	<b>Yes</b>	Yes
Dual Video <sup>1</sup> with Luma Key (applied to secondary HD video region over an HD or UHD video in the primary region)	<b>Yes</b>	Yes	<b>No</b>	Yes	<b>No</b>	Yes
HDMI-In as a Channel Source <sup>2</sup>	<b>No</b>	Yes	<b>No</b>	Yes	<b>No</b>	Yes
Luma key support for second video region	<b>Yes</b>	Yes	<b>NA</b>	Yes	<b>NA</b>	Yes
Video Streamed to a Local HDMI-In Channel (HDMI-In Pass-Through) <sup>3</sup>	<b>No</b>	Yes	<b>No</b>	Yes	<b>No</b>	Yes
WiFi support	<b>No</b>	Yes	<b>No</b>	(Optional) <sup>4</sup>	<b>No</b>	No
HDR/HDR10 support					(Optional) <sup>5</sup>	(Optional) <sup>6</sup>
Dolby Vision support <sup>7</sup>					No	<b>Yes</b>

1. Dual UHD resolution video regions is not supported.
2. Enhanced in Release 6.0 to add a default HDMI-In Channel 0.
3. For HDCP-compliant devices and content.
4. The CV-UHD WiFi model supports WiFi.
5. Possible to playback a single zone HDR video with no other onscreen graphics or video.
6. Portrait mode is not supported when using HDR/HDR10 and Dolby Vision content.
7. For Dolby Vision playback, you must append the sv4k.videoMode display parameter with :dbv. You cannot display Dolby Vision or HDR10 content while using the quad template feature.

**Note:** The DMPs all support HD/SD content but do not all support UHD resolution video streaming.

The following table identifies the globally-supported features for all media players in the release.

## Feature Summary by Media Player Model

**Table 8 Globally Supported Features for DMPs**

Feature	Series 2	Series 3	Series 4
2.1 AC3/AC3+ (Dolby Digital audio decode)	Yes	No	No
5.1 Dolby plus/AC3	No	Yes	Yes
Auto-Registration	Yes	Yes	Yes
Bulk Administration Tool (BAT)	Yes	Yes	Yes
Closed Caption	Yes	Yes	Yes
Command Center Monitoring	Yes	Yes	Yes
Content Replacement	Yes	Yes	Yes
Content Synchronization (between same media player models only)	Yes	Yes	Yes
Custom Fonts (through Software Manager)	Yes	Yes	Yes
Displaying Encrypted Video	Yes	Yes	Yes
External Content Integration	Yes	Yes	Yes
Event Script Scheduler	Yes	Yes	Yes
HDMI Encoding <sup>1</sup>	SV-4K only	CV-UHD only	CV-UHD2 only
HTML Pages as a Channel (from external URL) <sup>3</sup>	Yes	Yes	Yes
HTTP Live Streaming (HLS) Video as a Channel (from external URL) <sup>3</sup>	Yes	Yes	Yes <sup>3</sup>
Group/Zone Configuration	Yes	Yes	Yes
Management Dashboard Commands	Yes	Yes	Yes
Management Dashboard Firmware Configuration	Yes	Yes	Yes
Management Dashboard Model Filtering	Yes	Yes	Yes
Management Dashboard Monitoring	Yes	Yes	Yes
Multicast Video Scaling	Yes	Yes	Yes
Network Time Protocol (NTP) configuration	Yes	Yes	Yes
Point of Sale (POS) Integration with DMB Using Widgets	Yes	Yes	Yes
Portrait Mode content renditions <sup>2</sup>	Yes	Yes	Yes
Precision Time Protocol (PTP) configuration	Yes	Yes	Yes
Proof of Play (PoP)	Yes	Yes	Yes
Touch Screen <sup>3</sup>	Yes	Yes	Yes
TV Control using RS-232 and IR Remote	Yes	Yes	Yes
Basic TV Control using HDMI CEC	Yes	Yes	Yes
Video Encoded as a a Multicast Channel from DMP Display Source (Display Encoding) <sup>3</sup>	Yes	Yes	Yes
Video Upload Support for Files Up to 4 GB in Size	Yes	Yes	Yes
Widgets	Yes	Yes	Yes <sup>4</sup>

1. HDMI encoding only works on SV-4K, CV-UHD, and CV-UHD2 DMPs.

## DMP Hardware Product IDs and Firmware

2. Not recommended when rendering video on CV-HD and CV-HD2 DMPs and not supported for HDR video.
3. Introduced in Release 6.0, support for HID-compliant touchscreen displays. You cannot use external URLs with quad template video design.
4. You cannot use widgets with quad template video design.

## DMP Hardware Product IDs and Firmware

### Series 4 DMP Hardware Product IDs and Firmware

The CV-HD2 and CV-UHD2 DMPs use the same firmware versions in Cisco Vision Dynamic Signage Director Release 6.4.

**Table 9 Series 3 DMP Hardware and Firmware**

Hardware	Product ID	Firmware Version
Cisco Vision HD2 Digital Media Player PoE Powered (Worldwide)	CV-HD2-DMP-K9	<ul style="list-style-type: none"> <li>■ Base firmware—8.3.x</li> <li>■ Production firmware—8.3.x</li> </ul>
Cisco Vision UHD2 Digital Media Player PoE Powered (Worldwide)	CV-UHD2-DMP-K9	
Cisco Vision UHD Digital Media Player with WiFi (Worldwide)	CV-UHD-WIFI-K9	

### Series 3 DMP Hardware Product IDs and Firmware

The CV-HD and CV-UHD DMPs use the same firmware versions in Cisco Vision Dynamic Signage Director Release 6.4.

**Table 10 Series 3 DMP Hardware and Firmware**

Hardware	Product ID	Firmware Version
Cisco Vision HD Digital Media Player PoE Powered (Worldwide)	CV-HD-DMP-K9 <sup>1</sup>	<ul style="list-style-type: none"> <li>■ Base firmware—8.3.x</li> <li>■ Production firmware—8.3.x</li> </ul>
Cisco Vision UHD Digital Media Player PoE Powered (Worldwide)	CV-UHD-DMP-K9	
Cisco Vision UHD Digital Media Player with WiFi (Worldwide)	CV-UHD-WIFI-K9	

1. There is only a single product ID for the CV-HD for worldwide ordering.

**Note:** For more information about deployment and firmware installation, see also [Release 6.4: Cisco Vision Deployment Guide for Digital Media Players: Dynamic Signage Director](#).

## Series 2 DMP Hardware Product IDs and Firmware

The DMP-2K and SV-4K DMPs use the same firmware versions in Cisco Vision Dynamic Signage Director Release 6.4.

**Table 11 Series 2 DMP Hardware and Firmware**

Hardware	Product ID	Firmware Version
DMP-2K Media Player (worldwide)	DMP-2K-WW-K9 <sup>1</sup>	<ul style="list-style-type: none"> <li>■ Base firmware—5.1.68.1</li> <li>■ Production firmware—6.2.166.1</li> </ul>
SV-4K Media Player (North America)	Cisco SV-4K-NA	
SV-4K Media Player (rest of the world)	Cisco SV-4K-ROW	

1. There is only a single product ID for the DMP-2K for worldwide ordering.

## Product IDs in Cisco Vision Dynamic Signage Director Release 6.4 for Software Licenses

[Table 12 on page 23](#) provides information about the supported product IDs for Cisco Vision Dynamic Signage Director and related software.

**Table 12 Product IDs in Cisco Vision Dynamic Signage Director for Software Licenses**

Product ID	Description
R-SV-DR-DIR-SW-K9	Cisco Vision Dynamic Signage Director server software license.
L-SV-DR-DISP-FSV	Cisco Vision Dynamic Signage Director Display License (one per DMP).
L-SV-DR-ENCODER	Cisco Vision Dynamic Signage Director encoder license to support 10 DMPs.
L-SV-DR-LCTRL-IPPS	IP Phone service per IP phone.
L-SV-DR-LCTRL-WEB	License per device for third-party products that use the web control API.
L-SV-DR-LOCAL	Localization license per non-English language support.
L-SV-DR-DIR-SW-XX <sup>1</sup>	Cisco Vision Director software.

1. XX = current version of software at time of purchase.

## Security Information and Advisories for Cisco Vision Dynamic Signage Director Release 6.4

**Note:** These Release Notes do not qualify any specific details about possible security issues for your Cisco Vision Dynamic Signage Director network or products and do not call attention to all possible relevant security information.

For the most up-to-date information about different levels of security information for Cisco Systems products, go to:

<http://tools.cisco.com/security/center/home.x>

## Internationalization and Localization

**Caution: A Cisco Vision Dynamic Signage Director system that is using language support from Release 6.4, will lose that support when upgraded until language packs for the new release are available and installed.**

### Internationalization (i18n)

Internationalization (known as *i18n*) support refers to the software infrastructure that is designed to accommodate multiple language translations (localization) without requiring additional engineering changes to that software.

The Cisco Vision Dynamic Signage Director Release 6.4 software supports i18n for the following general areas of the solution:

- Dynamic Menu Board application
- IP Phone user interface
- Software Manager
- TV user interface

### Localization (L10n)

Localization (known as *L10n*) refers to the implementation of the specific regional language translation support within a software interface that has been designed for i18n. English is the default language.

**Note:** Certain locales are not supported, such as right-to-left languages.

### Language Packs for Localization

**Note:** Language packs are release-specific. They follow the release of a Cisco Vision Dynamic Signage Director version. Install available language packs after you install or upgrade to a release. Language packs are posted in the same download location on cisco.com as the release.

Cisco Vision Dynamic Signage Director Release 6.4 provides the flexibility to upload and install only the specific language(s) that you want to support through the independent installation of Language Packs. The upload and installation of the language packs is performed using the Software Manager from the Cisco Vision Dynamic Signage Director main menu. For more information about how to install language packs, see the [Cisco Vision Software Installation and Upgrade Guide: Dynamic Signage Director Release 6.4](#).

The supported languages in Cisco Vision Dynamic Signage Director Release 6.4.0-183 and later are:

- Deutsch (de\_DE)
- English (en\_US). This is the default locale in all Cisco Vision Dynamic Signage Director releases.
- French (fr\_FR)
- Japanese (jp\_JN)
- Portuguese (pt\_BR)
- Russian (ru\_RU)
- Simplified Chinese (zh\_CN)



## Upgrade Paths

- Spanish (es\_ES)
- Swedish (sv\_SE)
- Traditional Chinese (zh\_TW)
- Turkish (tr\_TR)

For more information about requirements and restrictions in configuring localization in Cisco StadiumVision Director, including IP phone support, see the [Cisco StadiumVision Director Localization Guide](#).

## Translated User Documents

Available versions of translated end-user documents for Cisco Vision Dynamic Signage Director can be found at:

<http://www.cisco.com/c/en/us/support/video/stadiumvision/tsd-products-support-translated-end-user-guides-list.html>

## Upgrade Paths

**Table 13 Supported Upgrade Paths from Release 6.2 to Release 6.4.0-950 SP4**

From:	To:
Release 6.2.0-579	Release 6.2.0-651 (SP1)
Release 6.2.0-651 (SP1)	Release 6.2.0-752 (SP2)
Release 6.2.0-752 (SP2)	Release 6.2.0-839 (SP3)
Release 6.2.0-839 (SP3)	Release 6.2.0-911 (SP4)
Release 6.2.0-911 (SP4)	Release 6.2.0-1046 (SP5)
Release 6.2.0-1046 (SP5)	Release 6.2.0-1113 (SP6)
Release 6.2.0-1113 (SP6)	Release 6.3.0-684
Release 6.2.0-1113 (SP6)	Release 6.3.0-902 (SP1)—preferred**
Release 6.3.0-684	Release 6.3.0-902 (SP1)
Release 6.3.0-902 (SP1)	Release 6.3.0-1070 (SP2)
Release 6.3.0-1070 (SP2)	Release 6.3.0-1108 (SP3)
Release 6.3.0-1108 (SP3)	Release 6.4.0-183
Release 6.4.0-183	Release 6.4.0-269 SP2
Release 6.4.0-269 SP2	Release 6.4.0-598 SP3
Release 6.4.0-598 SP3	Release 6.4.0-950 SP4

## Installation and Upgrade Files

**IMPORTANT:** See the [Cisco Vision Software Installation and Upgrade Guide: Dynamic Signage Director Release 6.4](#) for assistance.

**TIP:** Use the TUI within the VM console to upgrade to the Cisco Vision Director Release 6.4 software. This reduces the possibility of interruption during the upgrade process and provides a more secure connection and recovery process. See the [Release 6.4: Cisco Vision Dynamic Signage Director System Administration Guide](#).

### ISO Files

ISO files are packaged images that are available in two versions:

- An ISO *full* image—The full ISO file is to be installed only on brand new Cisco Vision Dynamic Signage Director virtual machines that have no prior Cisco Vision Director (or StadiumVision) software version installed.
- An ISO *upgrade* image—The upgrade ISO file is built for processing using the TUI upgrade utility or Software Manager.

**Note:** Use the ISO upgrade image to upgrade from 6.4.0-598 to the current Release 6.4.0-950, SP4.

**IMPORTANT:** For Release 6.4, full image and upgrade image ISOs files use SHA-512 checksum. Download and use the SHA-512 checksum file.

**Note:** For the Language Packs, the RPM will show sha-512 checksum.

### Software Download

**Note:** You are eligible to obtain information about how to access the Cisco Vision Dynamic Signage Director full ISO file or language packs after you have purchased the proper licensing. Contact Cisco Technical Support for information about how to download these files.

If you have a CCO account and a contract for software download, you can download the Cisco Vision Dynamic Signage Director upgrade files on the Cisco.com software download site at:

<https://software.cisco.com/download/release.html?mdfid=283489263&flowid=31962&softwareid=283866237&release=6&relind=AVAILABLE&rellifecycle=&reltype=latest>

### Firmware Configuration for all Media Players

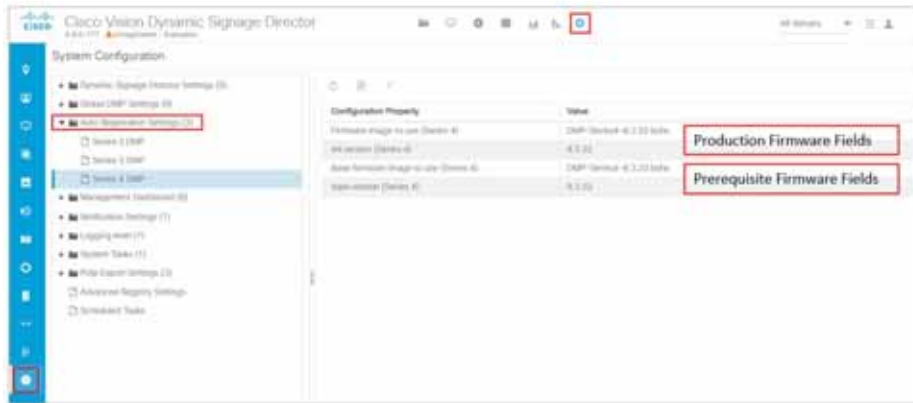
The media players require that a minimum—or *base*—firmware version is provisioned before they can be upgraded to the *production* firmware version supported in Cisco Vision Dynamic Signage Director Release 6.4.0-950, SP4.

#### Series 4

**Note:** The CV-HD2 and CV-UHD2 media players require a different *base* firmware than the Series 2 digital media players. [Figure 20 on page 27](#) shows the auto-registration configuration and [Table 14 on page 27](#) identifies the required firmware properties for the CV-UHD2 and CV-HD2 in Release 6.4.

Upgrade Paths

**Figure 20 Release 6.4.0-950 Firmware Image and Version Properties Required to Provision Series 4 DMPs**



**Table 14 Required Firmware Properties for the CV-UHD2 and CV-HD2 in Release 6.4.0-950**

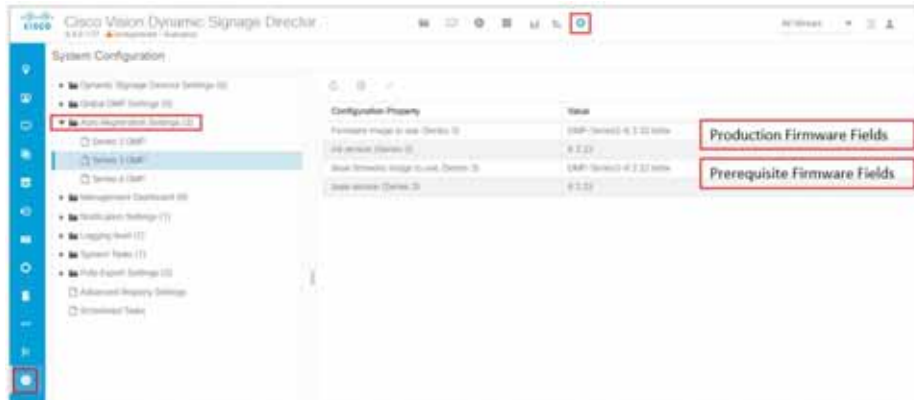
Release Number	Firmware Property	Value for Release
6.4.0-950	Firmware image to use (CV-UHD2, CV-HD2)	DMP-Series4-8.3.22.bsfw
	init.version (CV-UHD2, CV-HD2)	8.3.22
6.4.0-950	Base firmware image to use (CV-UHD2, CV-HD2)	DMP-Series4-8.3.22.bsfw
	base.version (CV-UHD2, CV-HD2)	8.3.22

## Upgrade Paths

## Series 3

**Note:** The CV-HD and CV-UHD media players require a different base firmware than the Series 2 (SV-4K and DMP-2K) media players. [Figure 21 on page 28](#) shows the auto-registration configuration and [Table 15 on page 28](#) identifies the required firmware properties for the CV-UHD and CV-HD in Release 6.4.

**Figure 21 Release 6.4.0-950 Firmware Image and Version Properties Required to Provision Series 3 DMPs**



**Table 15 Required Firmware Properties for the CV-UHD and CV-HD in Release 6.4.0-950**

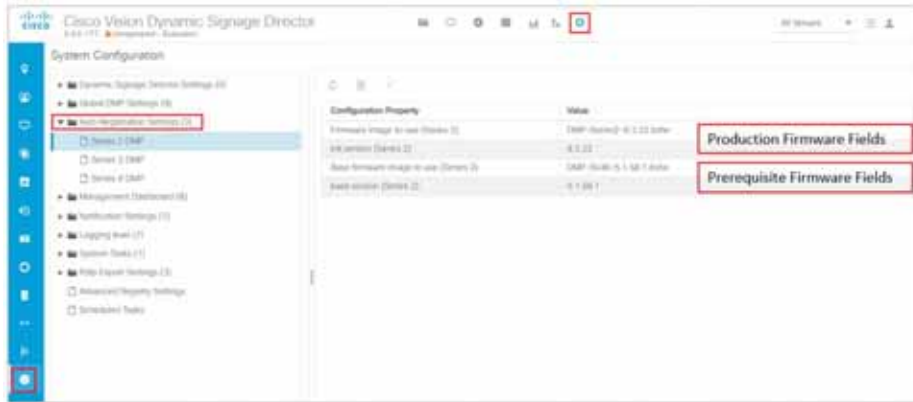
Release Number	Firmware Property	Value for Release
6.4.0-950	Firmware image to use (CV-UHD, CV-HD)	DMP-Series3-8.3.22.bsfw
	init.version (CV-UHD, CV-HD)	8.3.22
6.4.0-950	Base firmware image to use (CV-UHD, CV-HD)	DMP-Series3-8.3.22.bsfw
	base.version (CV-UHD, CV-HD)	8.3.22

Upgrade Paths

Series 2

Figure 22 on page 29 shows the auto-registration configuration and Table 16 on page 29 identifies the required firmware properties for the SV-4K and DMP-2K in Release 6.4.

**Figure 22 Release 6.4.0-950 Firmware Image and Version Properties Required to Provision Series 2 DMPs**



**Table 16 Required Firmware Properties for the SV-4K and DMP-2K in Release 6.4.0-950**

Release Number	Firmware Property	Value for Release
6.4.0-950	Firmware image to use (SV-4K, DMP-2K)	DMP-Series2-8.3.22.bsfw
	init.version (SV-4K, DMP-2K)	8.3.22
6.4.0-950	Base firmware image to use (SV-4K, DMP-2K)	If a prerequisite firmware is not already installed, upload and select the 5.1.68.1 firmware file.  <b>Note:</b> Contact your Cisco Systems representative for information about how to obtain the 5.1.68.1 firmware.
	base.version (SV-4K, DMP-2K)	5.1.68.1

## Firmware Download for all Media Players

The media player firmware image is not bundled with the Cisco Vision Dynamic Signage Director software.

**Note:** Be sure to download the firmware to a device that you can also use to access the Cisco Vision Dynamic Signage Director software.

**IMPORTANT:** The digital media player no longer accepts "{A|A}" AES encryption keys (i.e., where the top and bottom 64 bits of the key are identical).

Downloading the Production Firmware for all Media Players

**To download the production firmware for all DMPs, go to:**

<https://www.brightsign.biz/downloads/dmp-firmware-download-6083-0516>

Downloading the SV-4K and DMP-2K Base Firmware

If you do not already have the required base firmware version uploaded to Cisco Vision Dynamic Signage Director for the SV-4K and DMP-2K media players, you must download the firmware image separately from a password-protected site and then upload it to Cisco Vision Dynamic Signage Director.

Contact your Cisco Systems representative for the “How to Download SV-4K Firmware” document, available to qualified Cisco Vision partners.

## Resolved Defects in Release 6.4.0-950 SP4

The following lists the resolved defects.

**Table 17 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.4.0-950**

Resolved Defect Number	Description of Original Defect
CSCwa64077 <sup>1</sup>	Zones/groups for individual venues do not get displayed correctly in UI for multi-venue site.
CSCwa64109	When trying to delete content from playlist sometimes the wrong item is deleted.
CSCwa99845	Proof of Play reports are not working. Reports are not being generated.
CSCwb08363	User unable to see Save button in Playlist with more than 30 content pieces.
CSCwa99838	Issue when you delete template or widget which is currently used in a playlist.
CSCwb01196	Issue saving a script in a name that already exists in the system.
CSCwb23582	Control API response values are static.
CSCwb21108	When generating a BSSR, the file dmp_serial.csv is missing records.
CSCwb26784	Unwanted DMP audio change after playlist item completion.
CSCvy27897	Proof of Play not deleting after 14 days.
CSCwa99829	Issue working with playlist.
CSCwb44120	When adding content to new playlist, it shows incorrect number of items in playlist.
CSCvx95778	Script Management: When script starts, it is stuck in Scheduled State.
CSCvy36322	Video wall: Switching between ad-hoc states leaves 1-2 random screens blank, intermittently.
CSCwa95269	Moving content in a playlist has a chance of a different content moving than intended.

**Table 17 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.4.0-950**

Resolved Defect Number	Description of Original Defect
CSCwb20007	Data Integrations Restart Application applies extra Xpath code to fields that break the code.
CSCwa99824	After copying content into playlist, content gets replaced with content already present in playlist.
CSCwa99849 <sup>2</sup>	Switching between transition methods in sequential states in running scripts not working correctly.
CSCwb41661	Venue-playlist menu: when moving available playlists to assigned playlist you get an error.
CSCwb73439	Scheduler: If service set to manual, report generating failed part of HPMReportTask.
CSCwb15381	Template preview in script edit action page is not working.
CSCwb15394	Content preview in script edit action page is not working.
CSCwb85834 <sup>3</sup>	Link for external content and Channel with External URL doesn't save if length exceeds 256 characters.
CSCwb76458	99% of devices show up as Non-Compliant in System Status Page.
CSCwc35455	Script playlist: Name does not get updated to selected playlist.
CSCwc43891	Edit Script: When using Search, wrong input/output trigger gets deleted.

1. **CSCwa64077** - Zones and Groups feature change from Paging to Sequential -> All the Zones, Locations and Groups will be displayed in single page instead of different chunks in different pages. Introduced / Changed in release 6.4.0-950, SP4.
2. **CSCwa99849** - Changes done in release 6.4.0-598, SP3 are reverted with a soft warning message. It will behave same as on or before 6.4-SP2, as the 6.4-SP3 changes for CDET - CSCvz07912, that was done, is removed with soft warning message. When changing the mode from timer to manual in a non-active state would result in restricting the active state's automatic transition (if active state is timer based state). Enhancement- Adding relevant soft message.
3. **CSCwb85834** - The external content and external URL Channel link character limit is extended from 256 to 500 characters. Beyond that limit the link would not get saved.

## Open Defects in Release 6.4.0-950 SP4

This section describes newly-found defects in Release 6.4.0-950. All defects that are open in prior Cisco Vision Dynamic Signage Director, Release 6.3 releases are not listed as resolved, remain open in Cisco Vision Dynamic Signage Director Release 6.4.0-950.

### **CSCwc06428- Channel Change from IR Remote & UI is not working when any External URL having video content playing.**

**Symptom** Channel Change from IR Remote & UI is not working when any External URL having video content playing on screen. It works when the content on URL is image or static.

**Condition** Channel Change from IR Remote & UI when any External URL is played.

**Workaround** State Change having Channel Change.

### **CSCwc13361- During Daylight savings change in March, scheduled scripts timings shifted by one hour.**

**Symptom** During the daylight savings time in March, scheduled script timings shifted by 1 hour forward after Daylight time change.

**Condition** Script scheduled to start at 2am and end at 1:59am PST changed to start time of 3 am PDT and end time of 2:59am PDT, after the daylight savings time.

**Workaround** None

## Resolved Defects in Release 6.4.0-598 SP3

The following lists the resolved defects.

**Table 18 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.4.0-598**

Resolved Defect Number	Description of Original Defect
CSCwa07480	Luxury Suite: Visitor & FIXED PIN are not populated in UI.
CSCwa22597	Cannot edit script open by another user.
CSCvz69495	POP, SFTP not working with custom port.
CSCvz59511	When switching back from ad-hoc, L-Wrap starts playing from item #1 instead of where it was left off.
CSCvx95778	Can't click around in Script Management, when a script is started it is stuck in Scheduled State.
CSCwa07465	Luxury Suite control are not maintaining order while assigning locations to it.
CSCwa18979	Wrong content/State getting played in DMP via Cisco Vision Director script.
CSCvy82443	Cannot delete users who are associated with Menu Boards.
CSCvz75945	Playlist item occupies the entire length of the browser.
CSCvz07912*	Time script states don't advance if subsequent states receive transition updates.
CSCwa35352	Validation Error not showing in UI.
CSCwa50086	SNMP polling for Cisco Vision 6.4 SP2 service status returns incorrect service status values.
CSCwa59130	Live streaming is not working in DMP through proxy.
CSCwa49784	Script editing template takes 3 or 4 minutes to complete.
CSCvz94076	Playlist limit got increased by adding the parameter "script.run.addConfigMaxContent" and value = 70000 in advanced registry setting.
CSCwa23709	Incorrect mapping of 6.4 SP2 Cisco Vision Director MIB in Release Notes.

\* Note: **CSCvz07912** - Manual to Timer conversion in Running Script is allowed but vice versa is restricted in 6.4-SP3-598 or not supported to avoid the unexpected behavior in long running Script. Through hotfix this feature restriction will get enabled, if required.

## Resolved Defects in Release 6.4.0-269 SP2

**Table 19 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.4.0-269 SP2**

Resolved Defect Number	Description of Original Defect
CSCvz37297	Restore Backup is not working from 6.4 SP1(362) build GUI.
CSCvz06194	Backup does not show in TUI but shows in Cisco Vision Director UI and server.
CSCvy42078	Unable to change password for newly created user.



**Table 19 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.4.0-269 SP2**

Resolved Defect Number	Description of Original Defect
CSCvx52925	External URLs can be created with the same name and same URL value.
CSCvx97837	DMP export report does not match Director UI.
CSCvy19530	Unable to register Cisco Vision Director Releases 6.3 and 6.4 smart license On-Prem via "Transport gateway."
CSCvy91859	Cisco Vision Director UI not giving proper alert message while deleting a Channel.
CSCvy14021	Event Management: Scheduled state gets removed when dragging and dropping scheduled event from one day to the next.
CSCvx78736	When trying to save a URL as a data source URL address in a Generic Data source, get EB00019 error.
CSCvy98683	Dynamic Menu Board: The Add Theme item button is not working as expected.
CSCvx76492	Script Management: Script stuck in scheduled state and no action was allowed.
CSCvx95778	Script Management: Cannot click around; script stuck in scheduled state.

## Resolved Defects in Release 6.4.0-183

The following lists the resolved defects.

**Table 20 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.4.0-183**

Resolved Defect Number	Description of Original Defect
CSCwv28765	Script Management: Intermittently, a timed state will not advance to next state when time expires.
CSCwv39972	Device Management: Using refresh button in detailed thumbnail view causes "Active Script" data to disappear.
CSCwv32658	System Backup: Previous backup logs are also showing in UI while creating backup.
CSCwv36988	Auto scroll is not working on editing theme located on bottom of the list.
CSCwv35919	Device Management: Thumbnail view global refresh can time out if there are large number of unreachable devices.
CSCwv27159	Script Management: During script start, it takes a long period until Force dialog appears then until script goes into Scheduled state.
CSCwv26968	In log files: There are numerous "memberDisappeared" messages and the log file grows without truncation.
CSCwv43576	Script Management: During script start when in "Initializing" state, the Stop button is disabled.
CSCwv43416	Script Management: In Edit Action dialog, selecting a different playlist then canceling and editing again still shows unsaved change.
CSCwv43583	Script Management: If there are multiple sessions controlling a script, the script states and Start/Stop buttons can become out of date.
CSCwv13301	Manage Software: Upload progress bar is not displayed.
CSCvt70744	Asset Library: When using video playlist video items get cut off by an average of 20 frames.

## Hot Fixes in Release 6.4

**Table 20 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.4.0-183**

Resolved Defect Number	Description of Original Defect
CSCvv05778	Script Management: Having 250 scripts and 365 instances per script causes a long data load time for the page.
CSCvv06101	Dynamic Menu Board: The Item Image is displaying in Widget even on Hiding the item from Store Items.
CSCvu93497	Device Management: Resizing a table column adjusts other column widths.

## Hot Fixes in Release 6.4

The following lists the hot fixes for Release 6.4.

**Table 21**

Hot Fix ID	Description	Hot Fix in Cisco Vision Director 6.4.0-183	Code Fix in Cisco Vision Director 6.4	Remark
CSCvz06194	Backup Restore issue in Cisco Vision Director UI.	6.4-183	6.4-269 SP2	Contact TAC for applying Hot Fixes
CSCvz37297	Backup Restore issue in TUI.	6.4-183	6.4-269 SP2	Contact TAC for applying Hot Fixes
CSCvy98683	Dynamic Menu Board: The Add Theme item button is not working as expected.	6.4-183	6.4-269 SP2	Contact TAC for applying Hot Fixes
CSCvx76492(/CSCvx95778)	Script Management: Script stuck in scheduled state and no action was allowed.	6.4-183	6.4-269 SP2	Contact TAC for applying Hot Fixes
CSCwa49784	Playlist edit template taking 3-4 minutes to load.	6.4-183	6.4-598 SP3	Contact TAC for applying Hot Fixes
CSCwa59130	YouTube live Streaming not playing in FW 8.3.22.	6.4-183	6.4-598 SP3	Contact TAC for applying Hot Fixes
CSCwa47351	Log4j vulnerability remediation.	6.4 all releases	6.4-598 SP3	Contact TAC for applying Hot Fixes
CSCwa07465	Luxury Suite control is not maintaining order while assigning locations to it.	6.4-269 SP2	6.4-598 SP3	Contact TAC for applying Hot Fixes
CSCwa18979	Lwrap playing wrong content.	6.4-269 SP2	6.4-598 SP3	Contact TAC for applying Hot Fixes
CSCwa22597	Script release lock issue.	6.4-269 SP2	6.4-598 SP3	Contact TAC for applying Hot Fixes
CSCwb10980/CSCv080403#	Cannot see all the playlists when assigning actions to scripts. / Duplicate content ID. gets attached to multiple valid contents when we upgrade from 6.0 SP2 to 6.1 GA.	6.3 All releases 6.4 All releases	NA	Contact TAC for applying Hot Fixes
CSCvy27897	Proof of Play not deleting after 14 days.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes

## Known Issues in Release 6.4.0-183

Table 21

Hot Fix ID	Description	Hot Fix in Cisco Vision Director 6.4.0-183	Code Fix in Cisco Vision Director 6.4	Remark
CSCwb26784	Unwanted DMP audio change after playlist item completion.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes
CSCwb08363	User unable to see Save button if Playlist has more than 30 contents.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes
CSCwa99845	Proof of Play reports are not working. Reports are not being generated.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes
CSCwa99849	Switching between transition methods in sequential states in running scripts not working correctly.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes
CSCvx95778	Script Management: Can't click around when a script starts; it is stuck in Scheduled State.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes
CSCvy36322	Video Wall: Switching between ad-hoc states leaves 1-2 random screens blank intermittently.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes
CSCwb85834	Link for external content and Channel with External URL doesn't save if length exceeds 256 characters.	6.4-598 SP3	6.4-950 SP4	Contact TAC for applying Hot Fixes

# **CSCwb10980/ CSCvo80403** - Whenever you run into this issue, applying the Hot Fix solves the problem. Since the issue is not reproducible in a Cisco lab and steps to reproduce this issue are not clear and non-reproducible, use the Hot Fix from TAC. A permanent fix is not planned for upcoming builds.

## Known Issues in Release 6.4.0-183

Here are the known issues.

Table 22 Known Issues for Release 6.4.0-183

Devices	Firmware	Description
DMP-2K, CV-UHD2	8.3.22	During longevity testing, these DMP models crash due to a memory leak.

## Cisco Vision Dynamic Signage Director Documentation Go URL

For more information about Cisco Vision Dynamic Signage Director hardware and software installation, configuration, and operation, see the documentation available on Cisco.com at:

[www.cisco.com/go/ciscovisiondocs](http://www.cisco.com/go/ciscovisiondocs)

### Cisco Vision Dynamic Signage Director Documentation References

The following documents are included in the content library for Cisco Vision Dynamic Signage Director Release 6.4:

#### **Install and Upgrade Guides**

[Cisco Vision Software Installation and Upgrade Guide: Dynamic Signage Director Release 6.4](#)

#### **Design and Deployment**

[Release 6.4: Cisco Vision Deployment Guide for Digital Media Players: Dynamic Signage Director](#)

[Cisco Vision Network, Server, and Video Headend Requirements Guide](#)

[Cisco Vision Product Deployment Requirements](#)

#### **Localization**

[Cisco StadiumVision Director Localization Guide](#)

#### **Server Administration**

[Release 6.4: Cisco Vision Administration Guide: Dynamic Signage Director](#)

#### **Content Management**

[Release 6.4: Cisco Vision Content Planning and Specifications Guide: Dynamic Signage Director](#)

[Release 6.4: Cisco Vision Director Data Integration Guide](#)

#### **Event Operations**

[Cisco StadiumVision Director Operations Playbook](#)

[Release 6.4: Cisco Vision Dynamic Signage Director Operations Guide](#)

#### **Task Notes**

[DMPs: Configure Reboot DMP System Task](#)

[DMPs: Find the Serial Number for a DMP From the Management Dashboard](#)

[DMPs: Deploy WiFi Network Connectivity on the DMPs](#)

[DMPs: UI: Access Cisco Vision Director](#)

[PoP: Configure Automatic Proof of Play Export](#)

#### **Licensing Information**

[Open Source Used In Cisco Vision Director Release 6.4](#)

## Cisco Vision Dynamic Signage Director Documentation Notifications

You can receive periodic emails that summarize new and changed information in Cisco Vision Dynamic Signage Director

documentation by subscribing to the [sv-doc-notify@external.cisco.com](mailto:sv-doc-notify@external.cisco.com) email alias.

Contact us at [stadiumvisiondocs@external.cisco.com](mailto:stadiumvisiondocs@external.cisco.com) to request this notification service.

## Cisco Vision Dynamic Signage Director Documentation Team Email Contact Information

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## Obtaining Cisco Product Documentation

For information on obtaining other Cisco Product documentation, 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 the *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.

## Service and Support for Cisco Vision Dynamic Signage Director

Cisco Solution Support is the required technical support service for the Cisco Vision solution (including Cisco Vision Dynamic Signage Director).

Cisco Solution Support for Cisco Vision combines Cisco product support—Cisco Smart Net Total Care Service or software services—with solution-level support into one service. By taking a solution-level approach, Cisco is responsible for managing product support teams to resolve any issue, no matter where it resides. For this service, simply purchase Cisco Solution Support for each Cisco hardware or software product in Cisco Vision.

**Note:** Cisco Solution Support is required for Cisco software in the Cisco Vision solution. Although it is optional for Cisco hardware in this solution, each Cisco component must be covered to take advantage of Cisco Solution Support. Product support for solution partner products within Cisco Vision is also required. Contact these vendors for details and requirements.

### Solution Support References

- For a high-level introduction to this service for Cisco StadiumVision, see the [Cisco Solution Support for StadiumVision At-A-Glance](#) document.
- For technical details and product coverage, including the support workflow, see the “[Cisco Solution Support for StadiumVision Service Definition](#).”

Find more details about [Cisco Solution Support on cisco.com](#) or contact your Cisco sales representative.

## RMA Process for the Digital Media Players

The Return Materials Authorization (RMA) process for the digital media player is covered by the Solution Support Service for Cisco Vision. You can find warranty information here:

<https://brightsign.zendesk.com/hc/en-us/articles/218067817-Warranty-and-Return-Policy>

Before you place a service call, see the troubleshooting information in the [Cisco Vision Deployment Guide for Digital Media Players: Dynamic Signage Director](#). If you cannot resolve the problem with any of the recommended troubleshooting steps, open a Cisco Solution Support case to further troubleshoot and coordinate the return process with

the vendor.

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