



Release Notes for Cisco Vision Dynamic Signage Director Release 6.0

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Cisco Vision Dynamic Signage Director Release 6.0.0-913

Table 1 Document Revision History

Date	Revision History
Last Updated: 2018-08-24	Corrected a typo on dmp.portrait TV display parameter configuration property to enable portrait mode on TVs.
Last Updated: 2018-05-04	Announcing Cisco Vision Dynamic Signage Director, Release 6.0.0-913 Service Pack 2. The following updates were made: <ul style="list-style-type: none">■ Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-913
Last Updated: 2018-04-12	Add Language Packs information.
Last Updated: 2018-03-08	Updated hypertext links.
Last Updated: 2018-02-23	Announcing Cisco Vision Dynamic Signage Director, Release 6.0.0-832 Service Pack 1. The following updates were made: <ul style="list-style-type: none">■ Open Defect added to 6.0.0-740 release. Defect number CSCvh99036. See Open Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-740.■ Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-832.■ Open Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-832.■ Fixed typo of the HDMI/CEC TV control command for dmp.TVControlByCEC in the Cisco Vision Dynamic Signage Director Operations Guide, Release 6.0.
Last Updated: 2018-01-19	Corrected upgrade path.
First Published: 2017-11-15	Initial release of Cisco Vision Dynamic Signage Director Release 6.0.0-740.

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Introduction

In Release 5.0 and later releases, Cisco StadiumVision Director is part of a new and expanded solution called Cisco Vision. Cisco StadiumVision Director is enhanced to support the new Cisco Vision solution and is renamed to Cisco Vision Dynamic Signage Director.

This document provides information about all releases of Cisco Vision Dynamic Signage Director Release 6.0 for the Cisco Vision solution. It includes hardware and software requirements, new and changed features, installation and upgrade information, known issues, and defects.

This document is for network and system administrators, as well as technical field engineers who are responsible for designing and deploying the Cisco Vision solution. Be familiar with basic IP networking technology and the Cisco Vision solution.

Key Considerations for This Release

Note: This section provides a highlight of several important considerations for Cisco Vision Dynamic Signage Director Release 6.0. Read the entire Release Note to obtain all relevant information for this release.

- Cisco Vision Dynamic Signage Director Release 6.0 includes significant infrastructure, UI, and feature support changes.
- **Cisco Vision Dynamic Signage Director Release 6.0 does not support Cisco DMP 4310G devices, Flash files (including legacy ticker files), or GAR files. You must delete the Cisco DMP 4310G devices, Flash and legacy ticker files from your system prior to upgrade, or the upgrade ISO to Release 6.0 will not proceed.**

Any legacy GAR files remaining in the system will not cause an upgrade to Release 6.0 to abort. However, the GAR files will no longer be accessible in the system. We highly recommended that you remove any GAR files, also.

Note: For the cleanest transition to the new Release 6.0 environment, we strongly recommend that you run a fresh install (full ISO) to move to Release 6.0.

System Requirements for Cisco Vision Dynamic Signage Director Release 6.0

The minimum upgrade path from Release 5.0 to Release 6.0.0-913 (SP2) is the following:

- 5.0.0-709 (Service Pack 4) to > 5.0.0-820 (Service Pack 5) **OR** directly to 6.0.0-740
- 5.0.0-820 (Service Pack 5) to > 5.0.0-909 (Service Pack 6) **OR** directly to 6.0.0-740
- 6.0.0-740 to > 6.0.0-832 (Service Pack 1)
IMPORTANT: When you upgrade to Release 6.0.0-740, you must also upgrade your DMP Series 2 firmware to version 6.2.166.1 and DMP Series 3 firmware to version 6.2.166. Series 2 DMPs models are the DMP-2K and the SV-4K. Series 3 DMPs models are the CV-HD and the CV-UHD. Earlier Cisco Vision Dynamic Signage Director 5.0 releases are supported by production firmware version 6.1.105.
- 6.0.0-832 (Service Pack 1) > 6.0.0-913 (Service Pack 2)

System Requirements for Cisco Vision Dynamic Signage Director Release 6.0

This section describes the hardware and software supported by the Cisco Vision solution for Cisco Vision Dynamic Signage Director Release 6.0. It includes the following topics:

- [Browser and Flash Player Support](#)
- [Digital Media Player Support](#)
- [Cisco Vision Dynamic Signage Director Server Support](#)
- [Cisco Vision Headend Support](#)
- [Cisco Unified Communications Support](#)
- [Touchscreen Devices and Driver Support](#)
- [TV Qualification for HDMI CEC Control of TV Power On/Off](#)
- [Unsupported Hardware in Cisco Vision Dynamic Signage Director Release 6.0](#)

Browser and Flash Player Support

You can use an Apple Mac or Microsoft Windows PC or laptop to access Cisco Vision Dynamic Signage Director Release 6.0.

[Table 2 on page 4](#) describes the browser software versions that have been tested with Cisco Vision Dynamic Signage Director Release 6.0, with the corresponding Flash player support.

Table 2 Tested Browser Software

PC or Laptop OS	Browser Version ¹	Flash Player ²
Apple MAC OS X	Google Chrome Version 60.0.3112.90	Adobe Flash Player Version 26.0.0.137
	Mozilla FireFox Version 54.0.1	Adobe Flash Player Version 26.0.0.137
Microsoft Windows (Windows 7)	Google Chrome Version 51.0.2704.106	Adobe Flash Player Version 22.0.0.209
	Mozilla FireFox Version 47.0.1	Adobe Flash Player Version 22.0.0.209

1. Other than what is listed in this table, no additional browser software is tested (for example, not Apple Safari or Microsoft Internet Explorer). Microsoft IE is no longer tested.
2. If necessary, you can find older versions of Adobe Flash Player by going to the Adobe archived Flash player versions site on the Adobe website. Do not load any debug versions of this software which are unsupported by Cisco Vision Dynamic Signage Director.

Digital Media Player Support

- [Series 3 DMPs: CV-HD and CV-UHD \(New\)](#)
- [Series 2 DMPs: DMP-2K and SV-4K](#)

Series 3 DMPs: CV-HD and CV-UHD

Cisco Vision Dynamic Signage Director Release 6.0 adds support for two new DMP models described here:

- [CV-HD](#)
- [CV-UHD](#)
- [Series 3 DMP Hardware Product IDs and Firmware](#)

CV-HD

Introducing the new CV-HD DMP offering a basic set of features for HD (1080p) video resolution in a *single video region only*, with synchronized video wall and virtual ribbon board support.

Compared to the DMP-2K, the CV-HD has a lower 15-Watt PoE requirement, larger 128 GB solid-state storage device (SSD), and improved HTML5 performance. See [Feature Summary by Media Player Model](#).

CV-UHD

The new CV-UHD DMP has similar features to the SV-4K but with optional WiFi support. The CV-UHD supports 4K video resolution, dual video regions with luma keying, and video wall and virtual ribbon board synchronization.

Beyond the capabilities of the SV-4K, the CV-UHD offers dynamic Power Over Ethernet (PoE) at 30W, 128 GB of solid-state storage and superior rendering performance of HTML5 content. For more information, see [Feature Summary by Media Player Model](#).

System Requirements for Cisco Vision Dynamic Signage Director Release 6.0

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 6.0.

Table 3 Series 3 DMP Hardware and Firmware

Hardware	Product ID	Firmware Version
Cisco Vision HD Digital Media Player PoE Powered (Worldwide)	CV-HD-DMP-K9 ¹	<ul style="list-style-type: none"> ■ Base firmware—6.2.166² ■ Production firmware—6.2.166
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.
2. Firmware version 6.2.166 is the minimum base firmware for the Series 3 DMPs in Cisco Vision Dynamic Signage Director Release 6.0.

Note: For more information about deployment and firmware installation, see also [Deployment Guidelines for the Digital Media Players](#).

Series 2 DMPs: DMP-2K and SV-4K

Cisco Vision Dynamic Signage Director Release 6.0 continues to support the DMP-2K and SV-4K DMPs that also are supported in Release 5.0 and earlier releases:

- [DMP-2K Media Player](#)
- [SV-4K Media Player](#)
- [Series 2 DMP Hardware Product IDs and Firmware](#)

DMP-2K Media Player

The DMP-2K has a smaller form-factor, less storage, and fewer features than the SV-4K, including support of a maximum HD resolution of 1080p. For more information, see [Feature Summary by Media Player Model](#).

SV-4K Media Player

The SV-4K media player is a fan-less, solid-state, commercial digital media player that supports new technology standards. In addition to support of 4K video resolution, the SV-4K enhances the capabilities of the Cisco solution by adding support for WiFi, dual video regions, an enhanced processor, improved video wall and ribbon board synchronization, and an HTML5 runtime environment. For more information, see [Feature Summary by Media Player Model](#).

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 6.0.

Table 4 Series 2 DMP Hardware and Firmware

Hardware	Product ID	Firmware Version
DMP-2K Media Player (worldwide)	DMP-2K-WW-K9 ¹	<ul style="list-style-type: none"> ■ Base firmware—5.1.68.1 ■ Production firmware—6.2.166.1
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.

Note: For more information about deployment and firmware installation, see also [Deployment Guidelines for the Digital Media Players](#).

Cisco Vision Dynamic Signage Director Server Support

Cisco Vision Dynamic Signage Director supports upgrades from Release 5.0 to Release 6.0 software on the Platform 3 server hardware. Serially upgrade software versions prior to Release 5.0 to the supported 5.0 version **before** upgrading to Release 6.0. For more information, see [Upgrade Paths](#).

Note: We strongly recommend installation in a virtual server environment. New installations of Cisco Vision Dynamic Signage Director Release 6.0 are supported in a virtual server environment using Cisco Systems UCS hardware or other third-party hardware.

Product IDs in Cisco Vision Dynamic Signage Director Release 6.0 for Software Licenses

In Cisco Vision Dynamic Signage Director Release 6.0, the Cisco Vision Dynamic Signage Director software, video management, and display licenses are unbundled. This allows you to purchase hardware separately for the Cisco Vision Dynamic Signage Director server and install Cisco Vision Dynamic Signage Director software in a virtual environment (for more information, see the [Virtualized Server Environment Support](#).)

[Table 5 on page 6](#) provides information about the supported product IDs for Cisco Vision Dynamic Signage Director and related software.

Table 5 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 (CV-HD, CV-UHD, DMP-2K, SV-4K) ¹ .
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 ²	Cisco Vision Director software.

1. If you are upgrading from a Cisco DMP 4310G to the L-SV-DR-DISP-FSV display license, a discount might apply. Contact your Cisco Systems sales representative for more information.
2. XX = current version of software at time of purchase.

Platform 3 Server Support

[Table 6 on page 7](#) describes the Cisco Vision Dynamic Signage Director server hardware and software supported and tested in Cisco Vision Dynamic Signage Director Release 6.0.

Note: [Table 6 on page 7](#) identifies minimum tested versions of CIMC/BIOS with Cisco Vision Dynamic Signage Director. These should not be interpreted as the required versions that you must run. As long as your server CIMC/BIOS firmware is at this minimum tested version or later, no change is required to operate Cisco Vision Dynamic Signage Director.

System Requirements for Cisco Vision Dynamic Signage Director Release 6.0

The table also lists the latest firmware versions that are currently available for download and have been successfully tested in Release 6.0.

Table 6 Supported Cisco Vision Dynamic Signage Director Hardware and Software in Release 6.0

Hardware Product ID	Minimum Software Version Supported	Minimum Tested CIMC/BIOS Firmware ¹	Other Tested CIMC/BIOS Firmware	Other Tested CIMC/BIOS Firmware
SV-DIR-DIREC TOR-K9 ²	<p>Cisco Vision Dynamic Signage Director Release 6.0.0-913</p> <p>Minimum upgrade path: 5.0.0-709 (SP4)</p> <p>For details about all supported upgrade paths, see the Upgrade Paths.</p>	<p>Cisco UCS Server Firmware versions:</p> <p>BIOS-1.5.1g.0</p> <p>CIMC-1.5(11)</p>	<p>Cisco UCS Server Firmware versions:</p> <p>BIOS-2.0.8(0)</p> <p>CIMC-2.0(8d)</p>	<p>Cisco UCS Server Firmware versions:</p> <p>BIOS-3.0.(4a)</p> <p>CIMC-3.0(4a)</p>

1. Unless necessary, no upgrade should be needed if your server firmware is at the minimum tested version (or later) for the Cisco Vision Dynamic Signage Director release that you are running.
2. This product ID includes both the hardware platform and the Cisco Vision Dynamic Signage Director software. This product and software combination can no longer be ordered.

Note: For more information about verifying and upgrading the Cisco UCS Server firmware on the Platform 3 server, see [Appendix C: CIMC Configuration and Firmware Upgrade Guidelines on the Cisco UCS C220 Server](#) in [Cisco Vision Software Installation and Upgrade Guide: Dynamic Signage Director \(StadiumVision Director\) Release 6.0](#).

Virtualized Server Environment Support

Cisco Vision Dynamic Signage Director is designed to run in a modern virtual machine (VM) environment, such as VMware's vSphere. You can use another Cisco device or third-party server to run the Cisco Vision Dynamic Signage Director software.

Follow the requirements in this section so that your virtual environment meets the minimum and tested specifications. This section includes the following topics:

- [Minimum Virtual Machine System Requirements for Cisco Vision Dynamic Signage Director](#)
- [VMware vSphere Tested Versions for Cisco Vision Dynamic Signage Director](#)
- [Restrictions for Virtual Server Support](#)

Minimum Virtual Machine System Requirements for Cisco Vision Dynamic Signage Director

Verify that your configuration meets the minimum system requirements in [Table 7 on page 8](#) and supports a VMware virtual machine environment with a compatible vSphere version (See [VMware vSphere Tested Versions for Cisco Vision Dynamic Signage Director](#).)

Note: Cisco Vision Dynamic Signage Director servers are meant to be physically located close to the DMPs that they operate with, and communicating to the players over a LAN. For information about installation-related licensing compliance, see the [Installation Requirements for Licensing Compliance](#).

Table 7 Minimum System Requirements for the Cisco Vision Dynamic Signage Director Server in a Virtualized Environment

System Component	Minimum Requirement
Processor	Two processors each equivalent to an Intel Xeon Processor E5-2640 (15 MB cache, 2.50 GHz clock, 7.20 GT/s Intel® QPI)
Forward write (fwrite) operations per second	10,000
Virtual CPUs ¹	24
Virtual Disk Space	900 GB
Virtual RAM (VRAM)	32 GB ²

1. Hyperthreading can be used. Be sure that the BIOS is properly configured to enable it.
2. Reserve 32 GB of VRAM for installation and operation of the Cisco Vision Dynamic Signage Director system. Allow for additional storage for the ESXi OS.

[Table 8 on page 8](#) provides additional information about the tested VM hardware and OS specifications that you should use when configuring a virtual machine to support Cisco Vision Dynamic Signage Director.

Table 8 Virtual Machine Hardware and OS Specifications Tested for Cisco Vision Dynamic Signage Director Server

System Component	Specification
VM Hardware	Version 8
Guest Operating System	Red Hat Enterprise Linux 5 (64-bit)
Network Adapter	E1000
SCSI Controller	LSI Logic Parallel or LSI Logic SAS
Disk Provisioning	Thick

VMware vSphere Tested Versions for Cisco Vision Dynamic Signage Director

Cisco Vision Dynamic Signage Director has been tested with VMware vSphere Version 5.5 using the minimum requirements described in [Table 7 on page 8](#).

Note: Any VMware license that does not allow your virtual machine to be set to the minimum requirements described in [Table 7 on page 8](#) is not supported.

For more information about installing Cisco Vision Dynamic Signage Director servers, see [Cisco Vision Software Installation Guide: Dynamic Signage Director \(StadiumVision Director\) Release 6.0](#).

Restrictions for Virtual Server Support

Consider the following restrictions before you configure a virtual server environment for Cisco Vision Dynamic Signage Director:

- Migrating to a virtual environment on your existing Platform 2 or Platform 3 servers is not supported. For more information, see the [Important Migration and Upgrade Notes](#).
- When using a virtual server environment, Cisco Technical Support only provides support for the Cisco Vision Dynamic Signage Director software. No support is provided for third-party hardware or the virtual OS environment installed by the customer.
- The required configuration is for a dual virtual server environment to support a primary and backup server using the standard Cisco Vision Dynamic Signage Director backup/restore and failover tools.

System Requirements for Cisco Vision Dynamic Signage Director Release 6.0

- Cisco has not tested and does not provide support for any VMware tools in a Cisco Vision Dynamic Signage Director system. If your site chooses to use backup, recovery or other tools outside of the Cisco Vision Dynamic Signage Director software to manage your virtual servers, then you accept the risks and responsibility associated with securing your data.

Cisco Vision Headend Support

Table 9 on page 9 describes the Cisco Vision Dynamic Signage Director headend hardware and software supported in Cisco Vision Dynamic Signage Director Release 6.0.

Table 9 Supported Cisco Vision Dynamic Signage Director Headend Hardware and Software

Hardware Device	Software Version
Core/Distribution and Access Layer Switches	
For the most up-to-date information, refer to the Recommended Equipment Lists documented in the Cisco Vision Dynamic Signage Solution Operation and Network Requirements (available to qualified Cisco Vision partners).	
Cisco Atlas MKII Digital Terrestrial Receiver	Note: This device is EOS/EOL. The Cisco 9887B DVB-T Digital Terrestrial Receiver is replacing this device.
DVEO TLV 400 DVB-T2 Digital Terrestrial Receiver	We recommend the release that ships with the device. Note: Other DVEO demodulators/receivers models might be recommended depending on the requirements of the customer.
Cisco D9094 HD Encoder	Note: This device is EOS/EOL. The Cisco D9096 encoder replaces this device.
Cisco D9096 4:2:2 10-Bit AVC Encoder (HD and SD encoder) ¹	2.0.1.3 (build 25.0.5)—Currently shipping with all new hardware and the <i>only</i> qualified SV release. Note: Do <i>not</i> use any firmware versions other than the specific build qualified here. Also, <i>do not</i> downgrade any 2.0.1.3 release to 2.0.0.0 or any other release. Note: Non-upgradable hardware PID D9096-1C8-NU-K9 is EOS/EOL.
Cisco D9854 Advanced Program Receiver (DVB-S/S2/Satellite receiver)	We recommend the release that ships with the device. Note: This is one of the replacements for the EOS/EOL of the DCM DVB-S/S2 2-Port Receiver module for low-density implementation for DVB-S2/Satellite reception.
Cisco D9858 Advanced Receiver Transcoder (MPEG-4 to MPEG-2 HD transcoder)	R3.96 Note: This product is now EOS/EOL. The Cisco D9859 replaces it.
Cisco D9859 Advanced Receiver Transcoder (MPEG-4 to MPEG-2 HD transcoder) ²	We recommend the release that ships with the device.

Table 9 Supported Cisco Vision Dynamic Signage Director Headend Hardware and Software (continued)

Hardware Device	Software Version
Cisco D9887B HDTV Modular Receiver	6.3.2 and later Note: This product is used for DVB-T reception only and is no longer used for 8VSB. We recommend the 8-Port DCM DRD 8VSB Receiver module for ATSC/8VSB Demodulation in North America. Note: This product is EOS/EOL . Third-party product Sencore MRD 4400 replaces it.
Cisco DCM Series D9900 Digital Content Manager (DCM) (MKI chassis)	<ul style="list-style-type: none"> ■ 8.01.86 and later ■ 16 GB Flash—8.7.0 and later Note: DCMs with only 1G flash do not support releases past 8.1.86.and will need a Flash card upgrade to 16G to upgrade past DCM release 8.1.86. DRD DVB-S2 cards require DCM 9.1.x and later. Note: This device is EOS/EOL. The Cisco D9902 DCM replaces it.
Cisco DCM Series D9902 Digital Content Manager (MKII chassis)	16 GB Flash—10.0 and later Note: The DCM 9902 uses the MKII Chassis instead of the MKI used in the replaced Cisco DCM 9900. Note: The existing MKI DVB-S/S2 Satellite receiver modules and the 8-VSB Terrestrial receiver modules are compatible with the MKII.
Cisco DCM 8-Port 8-VSB/ ATSC/ Off-Air Receiver Module ³	DCM Release 8.01.86 (minimum version) Note: We recommend DCM Release 8.07.00; the operations of the 8-VSB receiver modules on the DCM require 16 GB Flash. This is used only in North America for Terrestrial/Off-Air reception. Note: The Cisco DCM 4-Port 8-VSB receiver module for ATSC/Off-Air/Terrestrial reception used in North America will be EOL/EOS by April 2014. The replacement is the Cisco DCM 8-Port 8-VSB ATSC Terrestrial receiver module. The Cisco DCM 8-VSB modules are compatible with both the DCM MKI and MKII Chassis.
Cisco 4-Port DVBS/S2 Satellite Receiver Module ⁴	DCM Release V9.10.00 and later. Note: The Cisco DCM 2-port DVB-S/S2 receiver modules are EOS/EOL. The DCM 4-port DVB-S/S2 receiver module replaces it for high-density implementation. Note: The Cisco D9854 replaces it for low-density implementations of DVB-S2/Satellite reception. This module is compatible with both the Cisco DCM D9900 (MKI) and Cisco DCM 9D902 (MKII) chassis.
Cisco RF Gateway 1 (QAM modulator)	We recommend the release that ships with the device.

Table 9 Supported Cisco Vision Dynamic Signage Director Headend Hardware and Software (continued)

Hardware Device	Software Version
Cisco Spectra QAM Demodulator	Note: This device is EOS/EOL. The DVEO DVB-C Digital QAM Receiver replaces it. The selection of modules/part numbers recommended for DVB-C clear QAM demodulation is per-DVEO discretion for each customer specification and could change.
DVEO TLV 400 DVB-C Digital QAM Receiver ⁵	We recommend the release that ships with the device. Note: The selection of modules/part numbers recommended for DVB-C clear QAM demodulation is per-DVEO discretion for each customer specification and could change.
DVEO OnRamp Analog Terrestrial Receiver–MPEG-2 output	We recommend the release that ships with the device.
DVEO GearBox Analog Terrestrial Receiver–MPEG-4 output	We recommend the release that ships with the device.
Fujitsu IP-9610 (Live encoder)	We recommend the release that ships with the device. Note: This encoder is intended for use in Japan, where the Cisco D9096 is not supported.
Scientific Atlanta Titan S2 DVB-S2 Digital Satellite Receiver	Software Version V02.01.03 Hardware Version F02 Bootloader Version V03.01.42528 Note: This device has reached EOS/EOL. The Cisco DCM 4-Port DVB-S/S2 Receiver Module replaces it.
Technicolor COM100 with COM24 cards	ST02.00.3 or later (to support 3D or sonic Tap)
Technicolor COM200 with COM24 cards	ST02.00.3 or later

1. The Cisco D9096 4:2:2 10-Bit AVC Encoder is the replacement for the Cisco D9094 HD Encoder. It is supported globally in all countries except Japan.
2. The Cisco D9859 Advanced Receiver Transcoder is the replacement for the Cisco D9858.
3. The Cisco DCM 8-VSB ATSC Off-Air Reception Module is the replacement for the Cisco D9887 HDTV Modular Receiver for North American ATSC implementations only.
4. The Cisco 4-Port DVBS/S2 Satellite Receiver Module is the replacement for the Cisco Titan DVB-S2 Digital Receiver and Cisco Indus MK II Transport Stream Descrambler.
5. The DVEO TLV 400 DVB-C Digital QAM Receiver is the replacement for the Cisco Spectra QAM Demodulator.

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 10 on page 11 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 6.0.

Table 10 Tested Cisco Unified Communications Compatibility for the IP Phone 7975G

CUCM Version	Cisco Unified IP Phone Firmware
12.0	9.4.2SR1
11.5	9.4.2SR1

Cisco Unified IP Phone 9971

[Table 11 on page 12](#) lists the combinations of Cisco Unified Communications Manager (CUCM) and firmware for the Cisco Unified IP Phone 9971 that were tested for compatibility with Cisco Vision Dynamic Signage Director Release 6.0.

Table 11 Tested Cisco Unified Communications Compatibility for the IP Phone 9971

CUCM Version	Cisco Unified IP Phone Firmware
12.0	9.4.2SR2
11.5	9.4.2SR2

Note: Although not all combinations have been tested, earlier maintenance versions of CUCM are also likely to work with Cisco Vision Dynamic Signage Director Release 6.0. Avoid trying to use any major version other than 11.5 or 12.0.

Touchscreen Devices and Driver Support

Beginning in Release 6.0, touchscreen devices are supported by all DMP models supported in Cisco Vision Dynamic Signage Director. However, the features for this release are not the exactly the same as those in the previous, 5.0 release.

For proper touchscreen operation with HTML5 pages, be sure that your touchscreen devices are human interface device (HID)-compliant and are using standard HID drivers.

Note: Some manufacturers claim support for HID while using custom drivers. Verify that standard HID drivers are used.

TV Qualification for HDMI CEC Control of TV Power On/Off

The following command contains a typo in the [Cisco Vision Dynamic Signage Director Operations Guide, Release 6.0](#) for HDMI/CEC TV control:

- **dmp.TVControlByCEC**—(New in Release 5.0) Enables TV control using HDMI/CEC instead of RS-232.

IMPORTANT: In the manual, there was a lower case “b” in the command. Please make a note of it.

In Release 5.0 and later releases, Cisco Vision Dynamic Signage Director supports the universal TV power on/off HDMI CEC command. In theory, all HDMI CEC TVs should support this command. However, there can be variance in TV models, so test the TV models that you plan to install for this support.

[Table 12 on page 12](#) identifies the TV brands and models that have been *tested* for support of HDMI CEC Power On, Standby (Power Off), and Power Status control in Cisco Vision Dynamic Signage Director Release 6.0.

Note: The tested TVs listed do *not* reflect all of the possible TV models that can work with Cisco Vision Dynamic Signage Director.

Table 12 Tested TVs for Support of HDMI/CEC Power On, Standby, and Power Status Control

TV Brand	Model
LG	24LF4820 ¹ Note: LG does not support putting a TV in Standby through CEC.
Philips	22PFL4507 ²
Samsung ³	UN40JU6500
Sony	KLV-28R412B

1. If the TV is put into Standby (using TV remote), HDMI auto-detection status for TV health reporting in the Management Dashboard fails.

2. Philips model 24PFL4571/V7 supports Power On CEC control only. Standby and Power Status are not supported.
3. For Samsung TV, under the AnyNet+ menu, change the default option of “Auto Turn Off” to “ON.”

Unsupported Hardware in Cisco Vision Dynamic Signage Director Release 6.0

The following hardware products are not supported in Cisco Vision Dynamic Signage Director Release 6.0:

- Cisco DMP 4310G
- Platform 2 Server (SV-DIRECTOR-K9 or SV-PLATFORM2)

Security Information and Advisories for Cisco Vision Dynamic Signage Director Release 6.0

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>

API Summary

Release 6.0 adds support for local HDMI-In control in the [User Control API Enhancement](#).

For information about supported APIs, see the “[Introduction to Cisco Vision Director APIs](#)” section of the [Cisco Vision Dynamic Signage Director Operations Guide, Release 6.0](#).

Feature Summary by Media Player Model

[Table 13 on page 13](#) identifies a subset of features that are supported only by certain DMP models in Cisco Vision Dynamic Signage Director.

Table 13 DMP-Specific Feature Map

Cisco Vision Dynamic Signage Director Feature	SV-4K	DMP-2K	CV-HD	CV-UHD
4K Local Video	Yes	No	No	Yes
Dual Video Regions	Yes	Yes	No	Yes
HDMI-In as a Channel Source ¹	Yes	No	No	Yes
Luma key support for second video region	Yes	Yes	No	Yes
Video Streamed to a Local HDMI-In Channel (HDMI-In Pass-Through) ²	Yes	No	No	Yes
WiFi support	Yes	No	No	(Optional)

1. Enhanced in Release 6.0 to add a default HDMI-In Channel 0.

2. For HDCP-compliant devices and content.

Feature Summary by Media Player Model

Table 14 on page 14 identifies the globally-supported features for all media players in the release.

Table 14 Globally Supported Features

Cisco Vision Dynamic Signage Director Feature	SV-4K	DMP-2K	CV-HD	CV-UHD
2.1 AC3/AC3+ (Dolby Digital audio decode)	Yes	Yes	Yes	Yes
Auto-Registration	Yes	Yes	Yes	Yes
Bulk Administration Tool (BAT)	Yes	Yes	Yes	Yes
Closed Caption	Yes	Yes	Yes	Yes
Command Center Monitoring	Yes	Yes	Yes	Yes
Content Replacement	Yes	Yes	Yes	Yes
Content Synchronization (between same media player models only)	Yes	Yes	Yes	Yes
Custom Fonts (through Software Manager)	Yes	Yes	Yes	Yes
External Content Integration	Yes	Yes	Yes	Yes
Event Script Scheduler	Yes	Yes	Yes	Yes
HTML Pages as a Multicast Channel (from external URL) ¹	Yes	Yes	Yes	Yes
HTTP Live Streaming (HLS) Video as a Multicast Channel (from external URL) ¹	Yes	Yes	Yes	Yes
Group/Zone Configuration	Yes	Yes	Yes	Yes
Management Dashboard Commands	Yes	Yes	Yes	Yes
Management Dashboard Firmware configuration	Yes	Yes	Yes	Yes
Management Dashboard Model Filtering	Yes	Yes	Yes	Yes
Management Dashboard Monitoring	Yes	Yes	Yes	Yes
Multicast Video Scaling	Yes	Yes	Yes	Yes
Network Time Protocol (NTP) configuration	Yes	Yes	Yes	Yes
Point of Sale (POS) Integration with DMB Using Widgets	Yes	Yes	Yes	Yes
Portrait Mode content renditions	Yes	Yes	Yes	Yes
Precision Time Protocol (PTP) configuration	Yes	Yes	Yes	Yes
Proof of Play (PoP)	Yes	Yes	Yes	Yes
Ticker (RSS in External Content Integration)	Yes	Yes	Yes	Yes
Touch Screen ¹	Yes	Yes	Yes	Yes
TV Control using RS-232 and IR Remote	Yes	Yes	Yes	Yes
TV Control using HDMI CEC	Yes	Yes	Yes	Yes
Video Encoded as a a Multicast Channel from DMP Display Source (Display Encoding) ¹	Yes	Yes	Yes	Yes
Video Upload Support for Files Up to 4 GB in Size	Yes	Yes	Yes	Yes
Widgets tool	Yes	Yes	Yes	Yes

1. Introduced in Release 6.0.

Internationalization and Localization

Caution: A Cisco Vision Dynamic Signage Director system that is using language support from Release 5.0, 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 6.0 software supports i18n for the following general areas of the solution:

- Control Panel
- Dynamic Menu Board application
- Management Dashboard
- 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 by several weeks. 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.

Caution: A Cisco StadiumVision Director system that is using language support from Release 5.0 will lose that support when upgraded, until language packs for the new release are available and installed.

Cisco Vision Dynamic Signage Director Release 6.0 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 6.0](#).

The supported languages in Cisco Vision Dynamic Signage Director Release 6.0.0-740 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)

New and Changed Information in Cisco Vision Dynamic Signage Director Release 6.0

- Russian (ru_RU)
- Simplified Chinese (zh_CN)
- 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>

New and Changed Information in Cisco Vision Dynamic Signage Director Release 6.0

This section describes new features, enhancements and changes in support or behavior in Cisco Vision Dynamic Signage Director Release 6.0. It includes the following sections:

- [New Hardware Supported in Cisco Vision Dynamic Signage Director Release 6.0](#)
- [Obsolete Features in Cisco Vision Dynamic Signage Director Release 6.0](#)
- [Upgrading Scripts from 5.0 Release to 6.0 Release](#)
- [Dynamic Video Wall Sizing](#)
- [State Scheduling in the Scheduler Application](#)
- [TV Control in Device Management \(CCM\)](#)
- [User Interface Change Summary](#)

New Hardware Supported in Cisco Vision Dynamic Signage Director Release 6.0

- Cisco Vision Dynamic Signage Director Release 6.0 introduces support for two new digital media players. For more information, see [Series 3 DMPs: CV-HD and CV-UHD](#).
- Touch screen support is added for Series 2 and Series 3 DMPs using a USB connection.

Note: Touch is only supported for content deployed using an external URL channel or from HTML pass-through URL content (**New External Content**).

For more information concerning using touch screen devices with Cisco DMPs, see [Cisco Vision Dynamic Signage Director Operations Guide, Release 6.0](#).

Obsolete Features in Cisco Vision Dynamic Signage Director Release 6.0

- Cisco Vision Dynamic Signage Director Remote
- Content Replacement from the Control Screen using the Content Replacement icon.



- Dynamic Menu Board (DMB) custom applications using Gadget Archive (GAR) files
- Micro POS Integration with Dynamic Menu Board (DMB) GAR application
- NCR/Quest POS and Menu Board Integration
- DMP 4310G-specific Management Dashboard commands
- Self-Service Content
- Ticker (legacy) from Control Panel setup

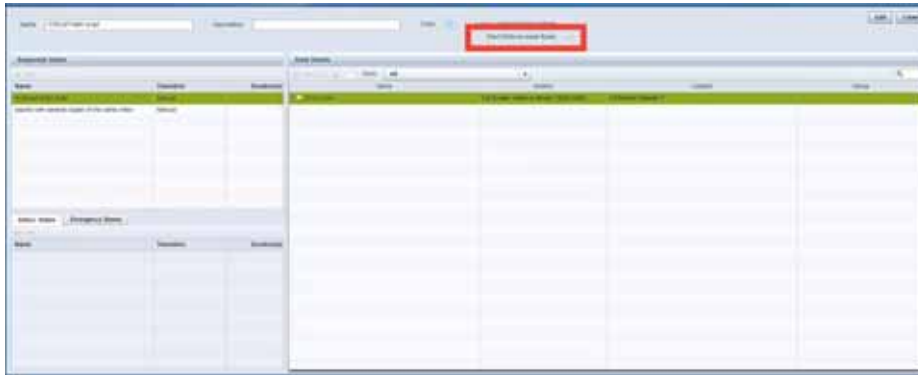
Upgrading Scripts from 5.0 Release to 6.0 Release

It is important to note that by default, all legacy scripts are flagged with **Don't Enforce Asset Rules** when you upgrade from StadiumVision Director 5.*n* to Cisco Vision Director, 6.0 (see [Figure 1 on page 18](#)). That means that the content run times do not care about content validity and playability metadata (see [Metadata-Validity and Playability](#)). So, in effect, this is a validity **override** to **always valid**. This is convenient if you have scripts that play and run to your satisfaction and you do not want to set **new** metadata.

To change the Don't Enforce Asset Rules flag:

1. Go to **Control Panel > Schedule**.
2. Chose a script from the script list on the left panel.
3. Click edit selected script.
4. **Uncheck** that script from the legacy rules of *always valid*. Now you can change the metadata for that piece of content.

Figure 1 Don't Enforce Asset Rules Flag



Content Enhancements

The following content enhancements are included in Cisco Vision Dynamic Signage Director Release 6.0:

- [Metadata-Validity and Playability](#)
- [Channel Sources](#)
- [Default Content URLs](#)
- [Display Streaming \(Encoding\)](#)

Metadata-Validity and Playability

WHAT IS IT

New method to tag an asset with metadata comprising validity and playability information.

WHY USE IT

Use it to add granularity to your asset by configuring exactly when it is effective (validity) and exactly when it can be shown (playability). These values are typically provided by a sponsor or asset provider. But previously, an asset was unrestricted. Now assets are scalable.

WHERE TO CONFIGURE IT

Go to: **Library > Workspace > Click as Asset**. The Metadata window appears. Set values (see [Figure 2 on page 19](#)).

Figure 2 Setting Metadata Values



AES-Encrypted Video Channels

WHAT IS IT

New secure-key configuration that allows support for fixed, shared key AES-ECB video encryption from the Cisco Vision video headend with the Harmonic ProStream 9100. A single, secure key is configured per deployment of Cisco Vision Dynamic Signage Director. AES encryption cannot be used with DMP-encoded video.

Other encryption algorithms are supported but not tested.

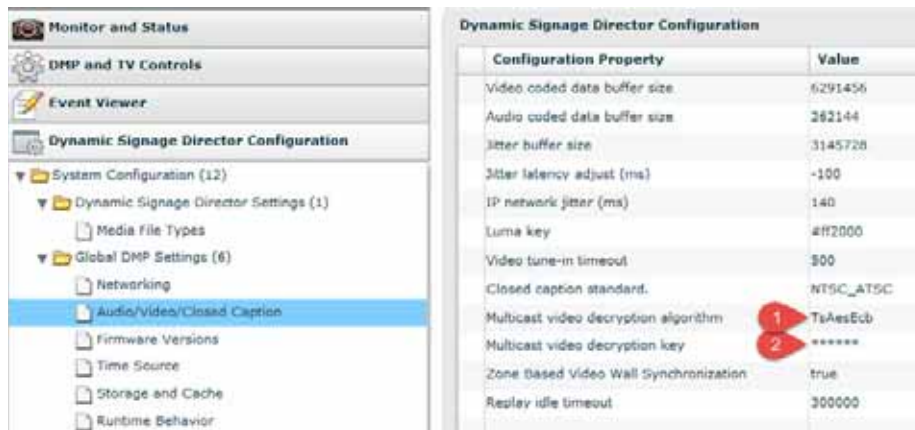
WHY USE IT

Use it to decrypt a video stream for use in Cisco Vision Dynamic Signage Director when your venue's video headend is using AES encryption.

WHERE TO CONFIGURE IT

Go to: **Management Dashboard > Dynamic Signage Director Configuration > System Configuration > Global DMP Settings > Audio/Video/Closed Caption**. See [Figure 3 on page 20](#).

Upgrading Scripts from 5.0 Release to 6.0 Release

Figure 3 AES Video Decryption Configuration

1	Multicast video decryption algorithm— Select from drop-down.	2	Multicast video decryption key—Type the fixed, shared key AES-ECB value (masked).
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Channel Sources

Support for the following new and modified channel sources are included in Release 6.0 ([Figure 15 on page 34](#)):

- [External URLs as Channels](#) (New)
- [Local HDMI-In Channel \(HDMI-In Pass-Through\)](#) (Modified)
- [DMP-Encoded Video Streams as Multicast Channels](#) (Modified)
- [Summary of Channel Support in Cisco Vision Dynamic Signage Director Release 6.0](#)

External URLs as Channels

WHAT IS IT

A new channel source type called **External URL** that allows you to specify an HTTP, HTTPS, or HTTP Live Streaming (HLS) source as a channel, including HTML page sources.

HLS sources are hardware-accelerated on the DMP. The content is specified as an External URL source type in the Channels setup. The system recognizes the content as an HLS source based on the Allowed HLS file formats designated in the Management Dashboard. The default extensions allowed are **m3u** and **m3u8**. See [Media File Types \(New\)](#).

Note: This feature does not replace the existing HTML pass-through feature (**New External Content** button) from the Control Panel Content screen. HTML pass-through is recommended for content that might be considered for more temporary use in the system.

WHY USE IT

Use an external URL as a channel when you do not need synchronization of content, but you would like to be able to tune to that content from a script, User Control API, IP phone, or IR remote. External URL channels also can be streamed to a DMP-encoded multicast channel but do not support audio when streamed in that form. See [Figure 4 on page 21](#).

WHERE TO CONFIGURE IT

Go to: **Control Panel > Setup > Channels**.

Figure 4 External URL Channel Configuration

The screenshot shows a configuration window for an external URL channel. The 'Basic Info' tab is selected. The 'Source Type' is set to 'External Url'. There are several text input fields for 'Channel Name*', 'Description', 'URL*', 'Channel Number*', 'Long Name', 'Short Name', and 'Source ID'. There are also radio button options for 'Favorite' and 'Visible In Channel Guide', and a 'Favorite Order' text input field.

FOR MORE INFORMATION

- [DMP-Encoded Video Streams as Multicast Channels](#)

Local HDMI-In Channel (HDMI-In Pass-Through)

WHAT IS IT

A simplification of local HDMI-In support in Release 6.0, where DMP encoding of the local HDMI-In port is automatically set up in the system as a default channel (Channel 0). This means that all you have to do is plug an HDCP-compliant device into the HDMI-In port on an SV-4K or CV-UHD, and it automatically plays content on Channel 0 in Cisco Vision Dynamic Signage Director. You can tune to the channel from a script, User Control API, IP phone, or IR remote.

Note: When you upgrade from Release 5.0 to Release 6.0, the **Local HDMI-In** video source will be replaced by **Channel HDMI-In** in the Available Channels section of the Edit Actions dialog box for a script ([Figure 16 on page 35](#)).

The local HDMI-In channel is intended for a single content source to be shown on a single TV display. However, if you want to distribute the local HDMI-In content to multiple DMPs in the system, use one of two streaming methods summarized in [Table 15 on page 22](#). Both streaming methods require configuration of a DMP-encoded video stream channel to which the encoded video is sent and where other DMPs can be tuned.

Table 15 Streaming Options for an HDMI-In Channel Source

Streaming Method	Audio/Video Support	Sync Across DMPs?	Where Invoke as a Video Stream Channel	Release Introduced
HDMI-In Streaming (Encoding of HDMI-In source only)	Audio and Video	Yes	<ul style="list-style-type: none"> ■ Dashboard¹ ■ IP phone ■ IR remote ■ Script action ■ User Control API 	Release 5.0
Display Streaming (Encoding)	Video only	Yes	<ul style="list-style-type: none"> ■ Dashboard¹ ■ Script action ■ User Control API 	Release 6.0

1. Controlling starting and stopping of streaming from the Management Dashboard is intended for testing only.

WHY USE IT

Use the local HDMI-In channel when you want to easily send local content to a single TV display using the HDMI-In port of the DMP on an SV-4K or CV-UHD device. The primary use case for HDMI-In pass-through is for a gaming console or external video source that you want to display on the one TV to which the source is connected.

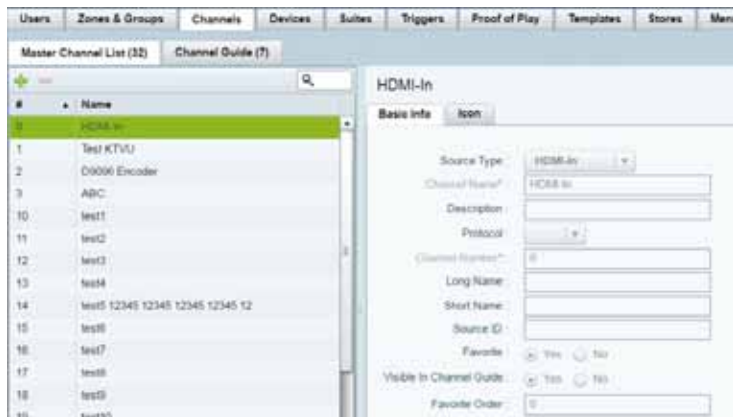
When combined with use of a DMP-encoded video stream channel, you also can choose to broadcast a local HDMI-In channel to a DMP-encoded channel for availability of the content to other DMPs in the system.

WHERE TO CONFIGURE IT

No configuration is required to use the local HDMI-In channel if you are simply tuning to Channel HDMI-In (channel 0) from the User Control API, IP phone, or IR remote. Otherwise, you can add Channel HDMI-In to a script and control the scheduling of that content.

If you need to change the channel number used, create a new HDMI-In local channel by going to: **Control Panel > Setup > Channels** and add a new channel with HDMI-In source type selected. You cannot modify the default Channel 0 (Figure 5 on page 23).

Note: All HDMI-In ports use a common identifier internal to Cisco Vision Dynamic Signage Director, so they are not unique. Therefore, the HDMI-In channel source always points to the HDMI-In port of the local DMP for the TV display. When using the local Channel HDMI-In in a script, it can only be applied to a single DMP in its own group.

Figure 5 Default Local HDMI-In Channel 0**FOR MORE INFORMATION**

- [DMP-Encoded Video Streams as Multicast Channels](#)
- [Display Streaming \(Encoding\)](#)

DMP-Encoded Video Streams as Multicast Channels

Note: DMP-encoded multicast channels are supported in Release 5.0 for HDMI-In content. In Release 6.0, the DMP-encoded channel configuration has changed with the addition of the **Video Stream** source type and expansion of the types of DMP-encoded content supported.

WHAT IS IT

Enhanced support for DMP-encoded video streams that can be used to render and stream content over multicast channels, for the following content sources:

- Full-screen DMP display output (including multiple template regions)—also known as *display encoding* (new in Release 6.0)
- External URL channel content including HTTP, HTTPs, and HLS channels (new in Release 6.0)
- Local HDMI-In channel content (Release 5.0 and later)

WHY USE IT

When you want to distribute full-screen display output or other channel source content to other DMPs in the system with DMP-to-DMP synchronization.

WHERE TO CONFIGURE IT

DMP-encoded video stream channels are configured in the Control Panel using the **Video Stream** source type and the **DMP-encoded** option.

Go to: **Control Panel > Setup > Channels.**

You control the streaming function from script state action, User Control API, or Management Dashboard.

Upgrading Scripts from 5.0 Release to 6.0 Release

Figure 6 Video Stream Channel Configuration
FOR MORE INFORMATION

- [Display Streaming \(Encoding\)](#)

Summary of Channel Support in Cisco Vision Dynamic Signage Director Release 6.0

Table 16 Channel Support Summary

Channel Source Type	Audio/ Video	Sync Across DMPs	HDCP Compliance Required	Where Can Control as a Channel				
				Dashboard	IP Phone	IR Remote	Script Action	User Control API
External URL: HLS, HTTP or HTTPS	Both	No	No	No	Yes	Yes	Yes	Yes
HDMI-In	Both	No	Yes	No	Yes	Yes	Yes	Yes
Video Stream: DMP-encoded	Video only ¹	Yes	n/a	Yes	No	No	Yes	Yes
Video Stream: Multicast (UDP, RTP)	Both	Yes	No	No	Yes	Yes	Yes	Yes

1. All DMP-encoded video stream channels support video only when Display Streaming is used. When *HDMI-In streaming* is used for a DMP-encoded video stream using a local HDMI-In channel source, both audio and video are supported.

Default Content URLs

The following new and changed default content URLs are introduced in Release 6.0:

- [Global Default Landscape Content URL](#)
- [Global Default Portrait Content URL](#)
- [Per-Venue Default Content URL](#)

Global Default Landscape Content URL

WHAT IS IT

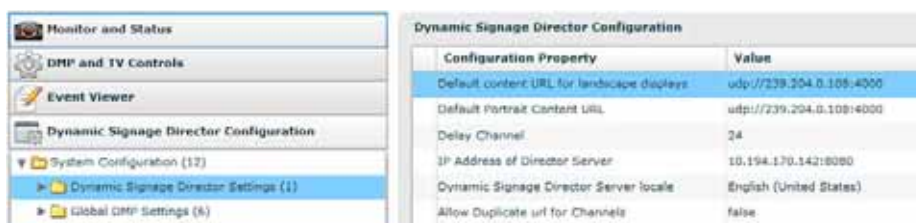
A change in behavior and rename of the global **Default Video URL** property in Cisco Vision Dynamic Signage Director Release 5.0 and earlier releases. The property is now called **Default landscape content URL**. Beginning in Release 6.0, the URL can be for *non-video* or video content and it can also reference HTML pages.

WHY USE IT

Use a default content URL to automatically display content on TV displays after a DMP restarts to prevent black screens in the venue before a playlist is started.

WHERE TO CONFIGURE IT

Go to: **Management Dashboard > Dynamic Signage Director Configuration > System Configuration > Dynamic Signage Director Settings > Default landscape content URL.**



Note: For systems upgraded from Release 5.0, this value will be the same as what was configured in the **Default Video URL** from the original system. In Release 6.0, this property is intended specifically for horizontally-positioned TV displays. However, if the new “Default Portrait Content URL” is not specified (or, vertically oriented TV displays are not enabled for portrait mode in Cisco Vision Dynamic Signage Director), then this content will appear on all TV displays in the system.

Global Default Portrait Content URL

WHAT IS IT

A new global property that is used to specify default content after a DMP restarts, for TV displays that are configured for *portrait mode* in Cisco Vision Dynamic Signage Director. This property allows you to specify a separate URL for content designed for vertically-positioned displays. The URL can be for *non-video* or video content, and it can also reference HTML pages. For external URLs, as long as the referenced site does not use fixed width and height, it will be rendered in portrait orientation.

WHY USE IT

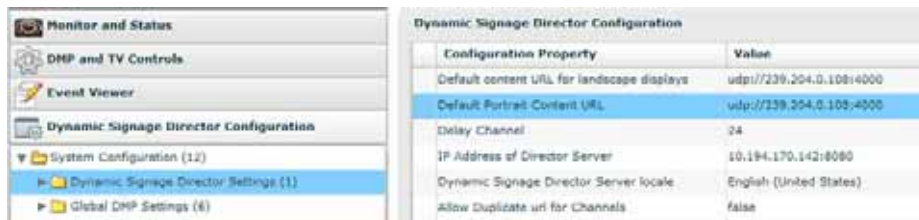
Use a default content URL to automatically display content on TV displays after a DMP restarts to prevent black screens in the venue before a playlist is started. Configure a default *portrait* content URL when you have a mix of TV display orientations (horizontal and vertical) in a venue, and you want specific content designed for portrait mode TV displays to appear on those vertically-positioned displays.

In prior releases of Cisco Vision Dynamic Signage Director, the default URL is configured globally for all TV displays in the system regardless of the actual display orientation and portrait mode configuration. In prior releases, this default content is available only in landscape orientation and it only fills the top portion of a vertically-positioned TV display.

WHERE TO CONFIGURE IT

Go to: **Management Dashboard > Dynamic Signage Director Configuration > System Configuration > Dynamic Signage Director Settings > Default Portrait Content URL.**

Upgrading Scripts from 5.0 Release to 6.0 Release



Note: You must enable the dmp.portrait TV display parameter (portrait mode) for those TVs where you want this default content to appear.

For systems upgraded from Release 5.0, this value will be the same as what was configured in the **Default Video URL** from the original system. If left blank, the content specified in the **Default landscape content URL** is used. If this is a multicast channel, then it will be shown vertically centered and scaled, preserving the video resolution.

FOR MORE INFORMATION

- [Configuring Portrait Mode in TV Display Specifications](#) in the [Cisco Vision Dynamic Signage Director Operations Guide, Release 6.0](#).

Per-Venue Default Content URL

WHAT IS IT

Two new venue configuration properties:

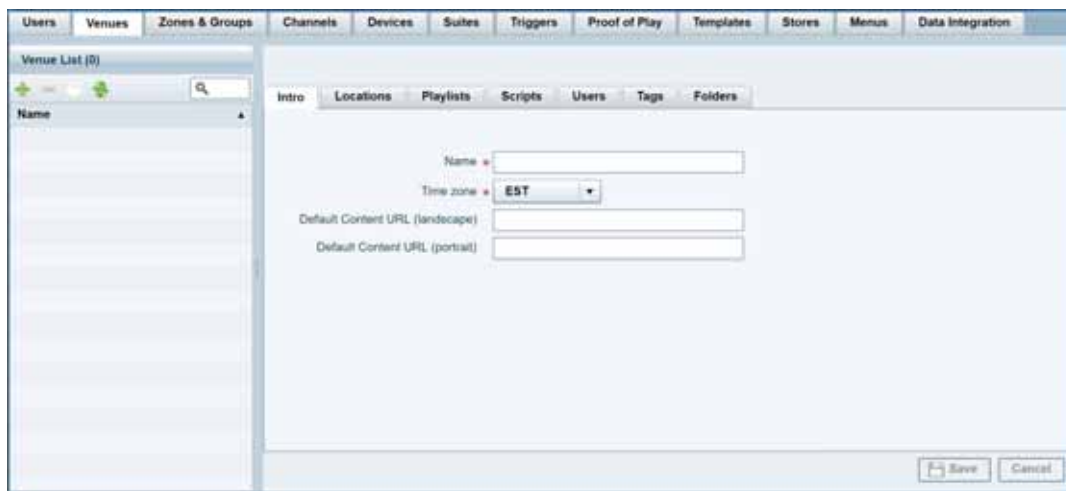
- Default Content URL (landscape)
- Default Content URL (portrait)

WHY USE IT

To override the global default content URL(s) configured in the Management Dashboard and use a different URL(s) for a specific venue. Use a default content URL to automatically display content on TV displays after a DMP restarts to prevent black screens in the venue before a playlist is started.

WHERE TO CONFIGURE IT

Go to: **Control Panel > Setup > Venues**.



Display Streaming (Encoding)

WHAT IS IT

A new feature that renders a full-screen display (including multiple template regions) as a multicast stream *without audio*. You can control display streaming by the new **Start Display Streaming/Stop Display Streaming** script state actions, from the User Control API, or the Management Dashboard.

Note: Display Streaming supports *video only* (no audio). If you want to stream DMP-encoded HDMI-In channel content only, then both audio and video are available if you use *HDMI-In Streaming* rather than Display Streaming as a script state action applied on the designated video stream channel.

WHY USE IT

Use a DMP-encoded video stream channel with display streaming when you want to do the following with your content:

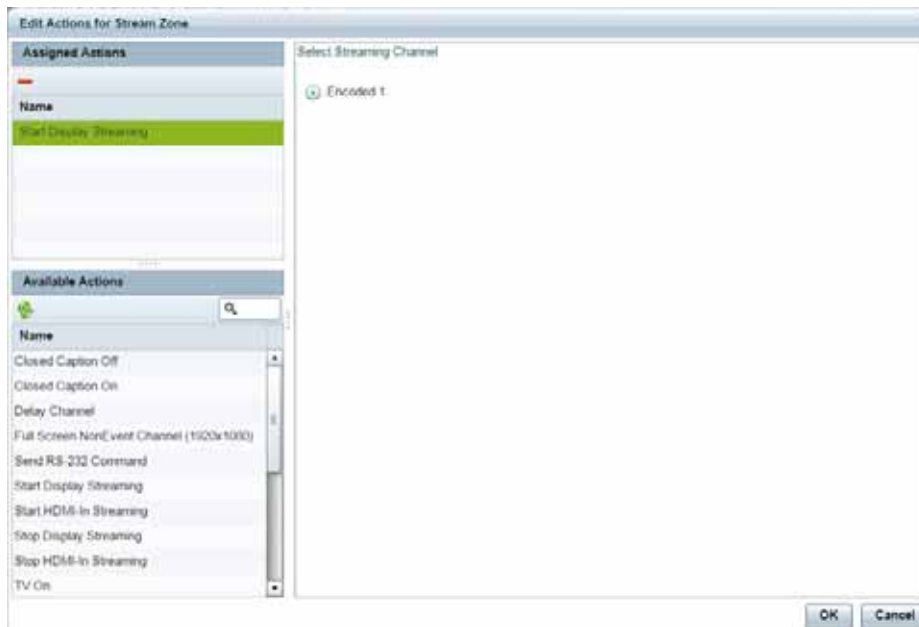
- Broadcast full-screen output from a DMP display to multiple other DMPs in the system.
- Support DMP-to-DMP synchronization (non-video wall).
- Display video only (without audio).

WHERE TO CONFIGURE IT

When streaming a channel or display source to a DMP-encoded video stream channel by script action, apply the **Start Display Streaming** (or **Stop Display Streaming**) action to a DMP-encoded video stream channel ([Figure 7 on page 28](#)).

Summary Workflow:

5. Configure the channel source that you plan to stream (encode).
Note: All HDMI-In ports use a common identifier internal to Cisco Vision Dynamic Signage Director, so they are not unique. Therefore, the HDMI-In channel source always points to the HDMI-In port of the local DMP for the TV display. When using the local Channel HDMI-In in a script, it can only be applied to a single DMP in its own group.
6. Configure a Video Stream channel with DMP encoding enabled.
7. Create a Group that contains only the DMP to be used for DMP encoding.
Note: Best practice is that the DMP doing the encoding is not the same DMP that is playing the content.
8. Create a script and select a video template as an action for the DMP Group that you created in [Step 7. on page 27](#).
9. Assign the channel source in [Step 5. on page 27](#) to the video region in the template.
10. Select the **Start Display Streaming** action and choose the DMP-encoded channel that you set up in [Step 6. on page 27](#) ([Figure 7 on page 28](#)).

Figure 7 Start Display Streaming on a DMP-Encoded Video Stream Channel**FOR MORE INFORMATION**

- [External URLs as Channels](#)
- [Local HDMI-In Channel \(HDMI-In Pass-Through\)](#)
- [DMP-Encoded Video Streams as Multicast Channels](#)

Dynamic Video Wall Sizing

WHAT IS IT

Relaxation of the zone restriction for DMPs in video walls, where DMPs are no longer limited to a single zone per script. Instead, DMPs can now be in multiple video wall zones per script with synchronization based on whichever zone the script actions are being applied to per state. For example:

- If actions are on a zone configured for use as video wall (enabled for zone-based video wall synchronization), then synchronization is on that zone.
- If actions are on a zone not being used as a video wall, then synchronization is turned off in that state.

[Figure 8 on page 29](#) shows how you can choose from the **Control Panel** and **Schedule** tab to reconfigure legacy or new video content, depending on your scripts.

Figure 8 Reconfigurable Video Walls



WHY USE IT

To provide the flexibility in your video wall for pre-event, event-time, and post-event configurations where you might want one screen to participate in different zones depending on that event state, and considering the content that you want to present at those times of the event.

Figure 9 on page 29 shows an example of a 9-DMP video wall with multiple zones. In this example, all DMPs participate in the orange zone for a full-screen video wall display. Then, groups of DMPs are broken into other zones (shown by color) based on different content that you might want to display during a different event state. In this case, the blue zone might still show the multicast stream of the event, while the green and yellow are showing other information or sponsored ads.

In this example, the only overlap is that all DMPs participate in the orange zone. However, you could create zone layouts where a screen, such as DMP 1, also participates in a zone with DMPs 4 and 7. In that case, you would create another zone with DMPs 1, 4, and 7 where that script state action could be applied.

Figure 9 Multiple Zones for Event Script



State Scheduling in the Scheduler Application

WHAT IS IT

A new section in the Scheduler Application to allow scheduling of script states for an event.

Upgrading Scripts from 5.0 Release to 6.0 Release

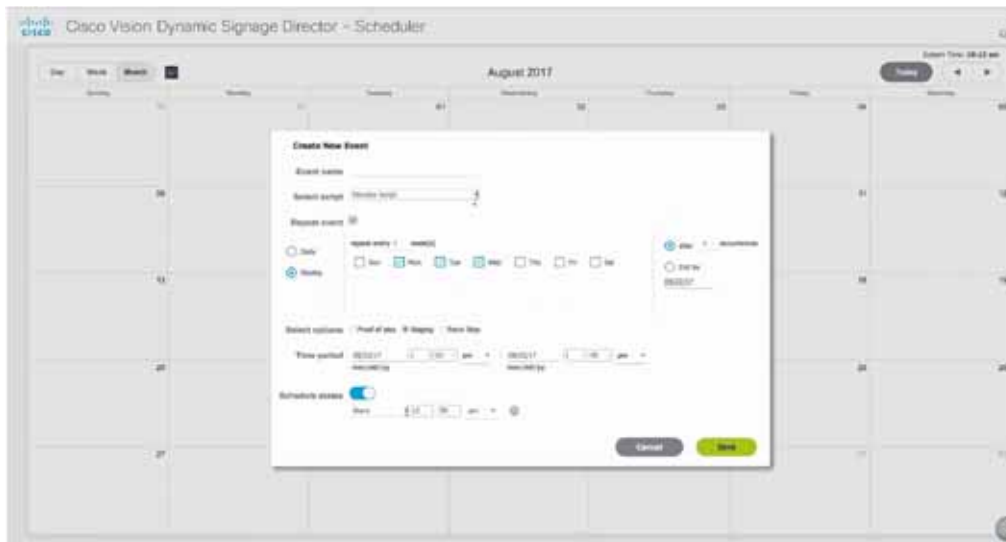
Note: The script states must already be created before start and stop times can be edited from the Scheduler Application.

WHY USE IT

To modify the start/stop times of script states when scheduling a script for an event.

WHERE TO CONFIGURE IT

Go to: **Scheduler > Create New Event.**



TV Control in Device Management (CCM)

WHAT IS IT

A new feature in the Command Center Monitoring (CCM) application for control of TVs, including channel change and TV on and standby control.

WHY USE IT

For a simple way to have manual control of TV status by an Administrator or Venue Administrator.

WHERE TO CONFIGURE IT

Go to **Device Management** and select thumbnail view (screen images are displayed). Click the TV display that you want to control. The DMP Summary and TV control pad display.



User Control API Enhancement

Beginning in Cisco Vision Dynamic Signage Director Release 6.0, the User Control API is enhanced to include the ability to tune to the local HDMI-In pass-through channel (0).

User Interface Change Summary

This section provides an overview of the Cisco Vision Dynamic Signage Director user interface (UI) that have been changed in Cisco Vision Dynamic Signage Director Release 6.0:

- [Global Navigation and UI Redesign](#)
- [High-Level Menu Navigation](#)
- [Control Panel](#)
- [Management Dashboard](#)

Global Navigation and UI Redesign

Note: Although all of the software supports a new global navigation, some areas of the software retain their original design.

Cisco Vision Dynamic Signage Director Release 6.0 introduces new global navigation and UI design, beginning with the login splash screen ([Figure 10 on page 31](#)).

Figure 10 Cisco Vision Dynamic Signage Director Release 6.0 Login Screen



The legacy Main Menu is obsolete, with a new landing page after login, based on user role. After logging in, Administrator roles (and Content Managers) will go to the new Asset Library as the initial landing page ([Figure 10 on page 31](#)).

High-Level Menu Navigation

[Figure 11 on page 32](#) shows primary menu icons and what they are.

Upgrading Scripts from 5.0 Release to 6.0 Release

Figure 11 Primary Menu Icons



Library—Asset Library Access

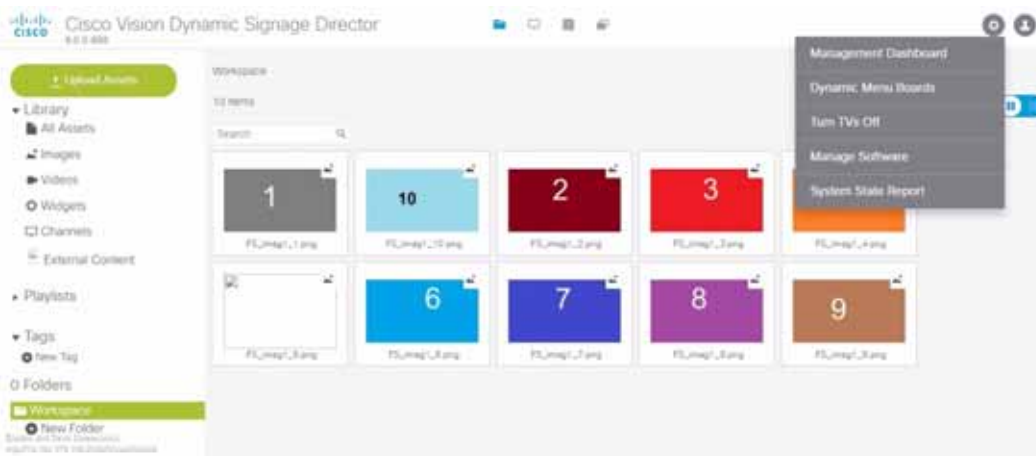
Device Management—Command Center Monitoring (CCM)

Event Management—Control Panel or Scheduler

Designer—Widget and template designers

Figure 12 on page 32 shows the Tools (gear icon) drop-down menu and how you can get to various submenus.

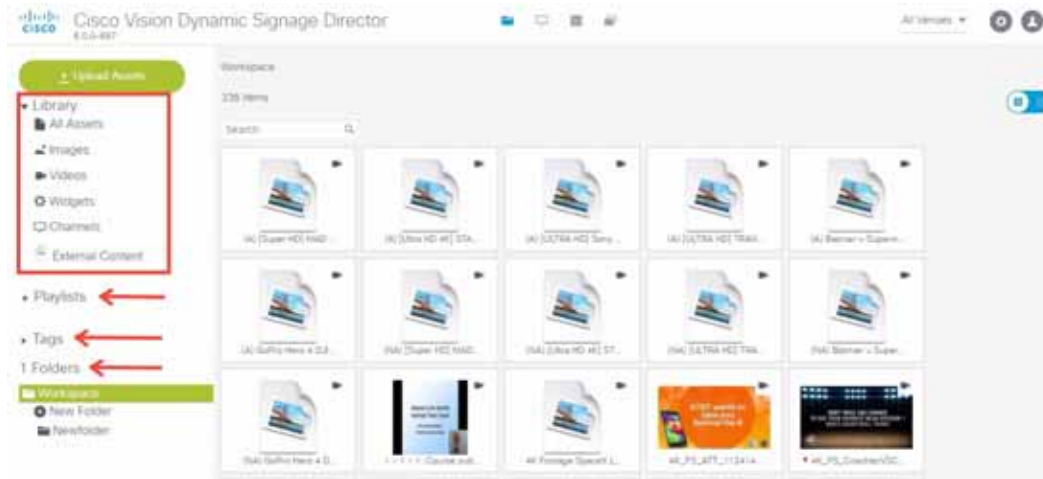
Figure 12 Tools Icon Drop Down



Organizing your assets just got easier. You can create folders, subfolders, create and work with your playlists, and even tag your assets right from here Figure 13 on page 33.

Upgrading Scripts from 5.0 Release to 6.0 Release

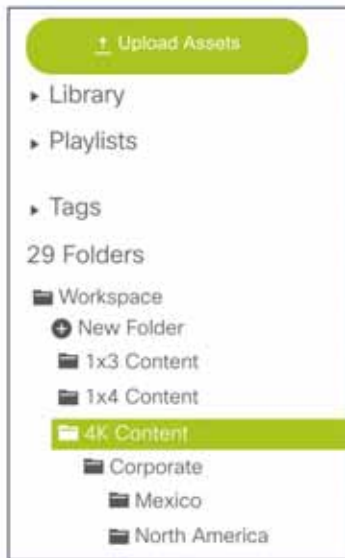
Figure 13 Library Asset Folders



At the top of the left banner, you can navigate to your widgets, channels, and external urls.

To upload the assets, high-light the target folder and click **Upload Assets** [Figure 14 on page 33](#).

Figure 14 Organizing Assets into Folders



UI Redesign Summary

Some of these areas not only have a new look and feel but have some new/changed features. The following shows redesigned software areas:

- Asset Library
 - For feature change summary, see [Control Panel](#).
- Device Management [Command Center Monitoring (CCM)]

Upgrading Scripts from 5.0 Release to 6.0 Release

- Scheduler

Control Panel

The following areas of the Control Panel are modified:

- [Setup: Venues](#)
- [Setup: Channels](#)
- [Schedule](#)

Setup: Venues

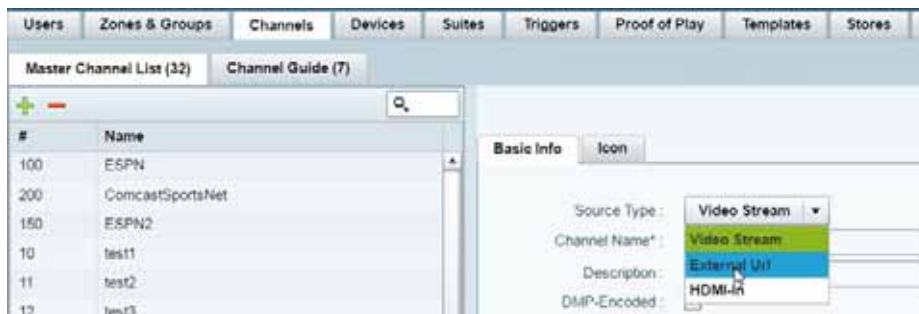
The following options are added:

- Default content URL (landscape)
- Default content URL (portrait)

Setup: Channels

The Source Type field is added with Video Stream, External URL, and HDMI-In options ([Figure 15 on page 34](#)).

Figure 15 Channel Source Types in Release 6.0



Schedule

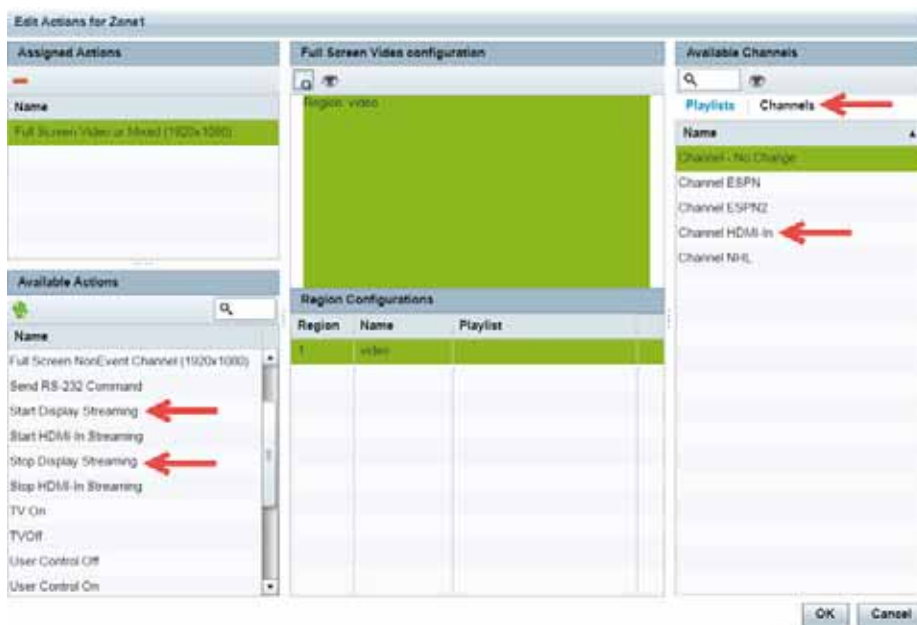
Edit Actions Dialog Box

The following are changes to the Edit Actions dialog Box ([Figure 16 on page 35](#)):

- Two new script state actions are added under Available Actions: **Start Display Streaming** and **Stop Display Streaming**.
- Available **Channels/Video Sources** changed to **Channels**.
- **Local HDMI-In** source changed to **Channel HDMI-In**. This reflects the name of the new default local HDMI-In channel 0.

Upgrading Scripts from 5.0 Release to 6.0 Release

Figure 16 Edit Actions Dialog Box



Management Dashboard

Dynamic Signage Director Configuration Drawer: System Configuration

Note: The Cisco Vision Dynamic Signage Director Remote configuration is removed (Figure 17 on page 35).

Figure 17 Management Dashboard Dynamic Signage Director Configuration: System Configuration



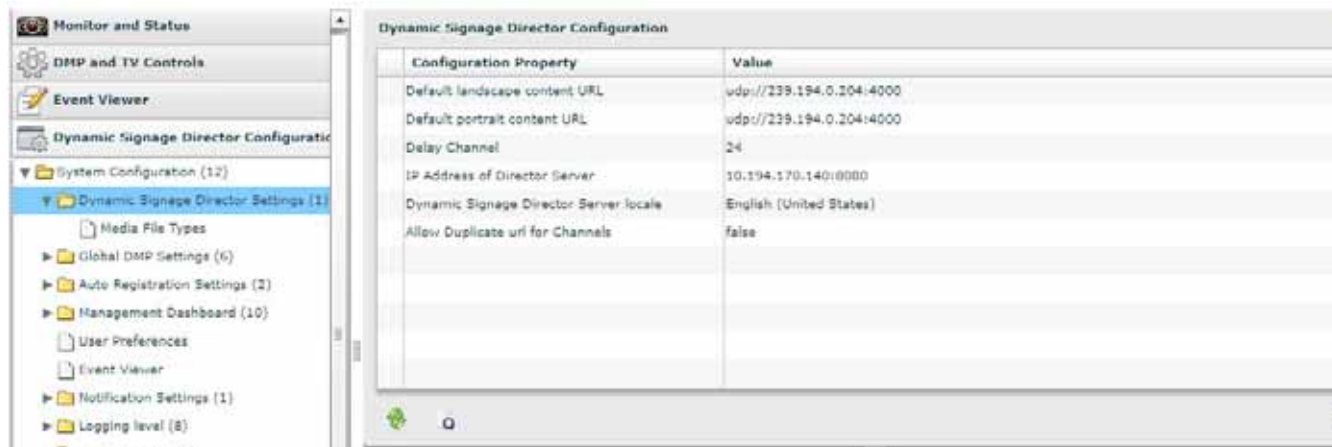
System Configuration: Dynamic Signage Director Settings

The following changes are made to the Dynamic Signage Director Settings properties (Figure 18 on page 36):

Upgrading Scripts from 5.0 Release to 6.0 Release

- “Default Video URL property” is renamed to “Default landscape content URL.”
Note: The default content is not limited to video content. For example, it can be an HTML page.
- Default Portrait Content URL (New)
- Allow Duplicate url for Channels (New)

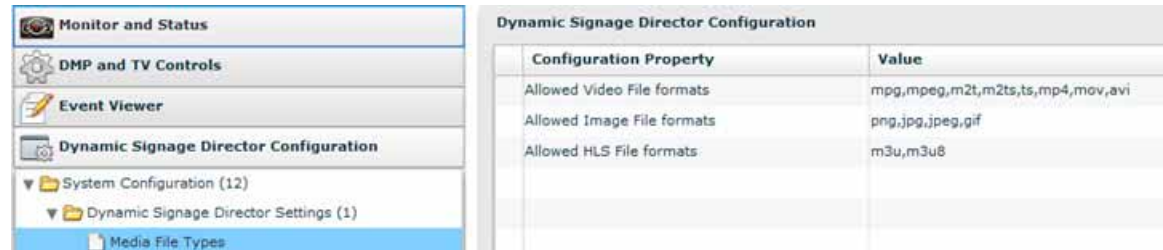
Figure 18 Dynamic Signage Director Settings Configuration Properties



Media File Types (New)

The **Allowed HLS File formats** property has been added for configuration of accepted HLS file extensions in the system when HLS external URLs are configured as channels. The defaults are **m3u** and **m3u8**. See [External URLs as Channels](#).

Figure 19 Media File Types Configuration Properties

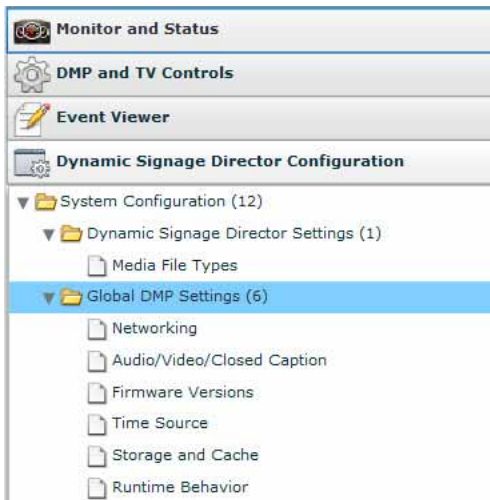


System Configuration: Global DMP Settings

The Global DMP Settings configuration properties for the DMP 4310G are removed and the properties are reorganized by category ([Figure 20 on page 37](#)).

Upgrading Scripts from 5.0 Release to 6.0 Release

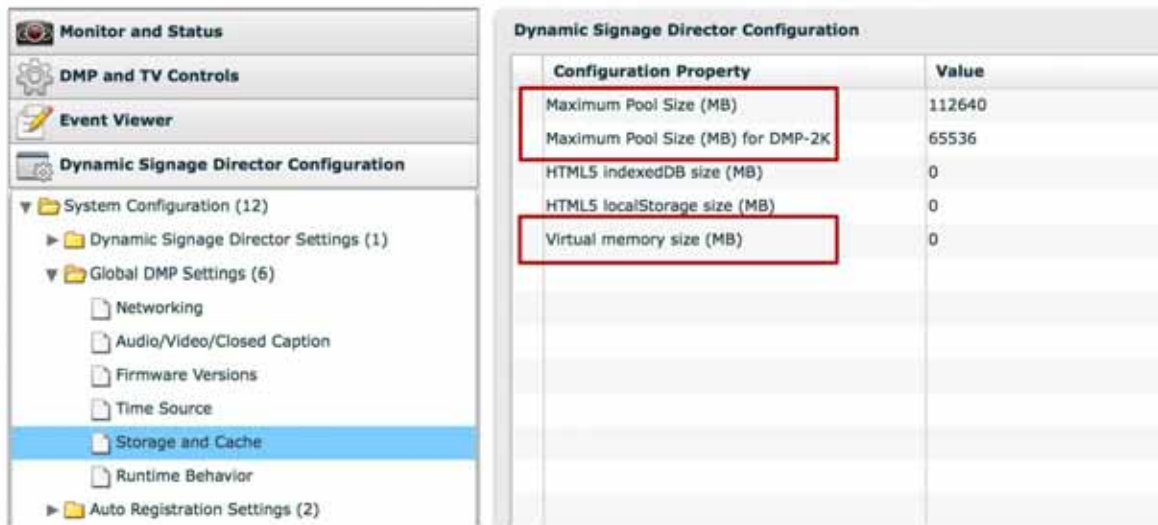
Figure 20 Global DMP Settings



Storage and Cache

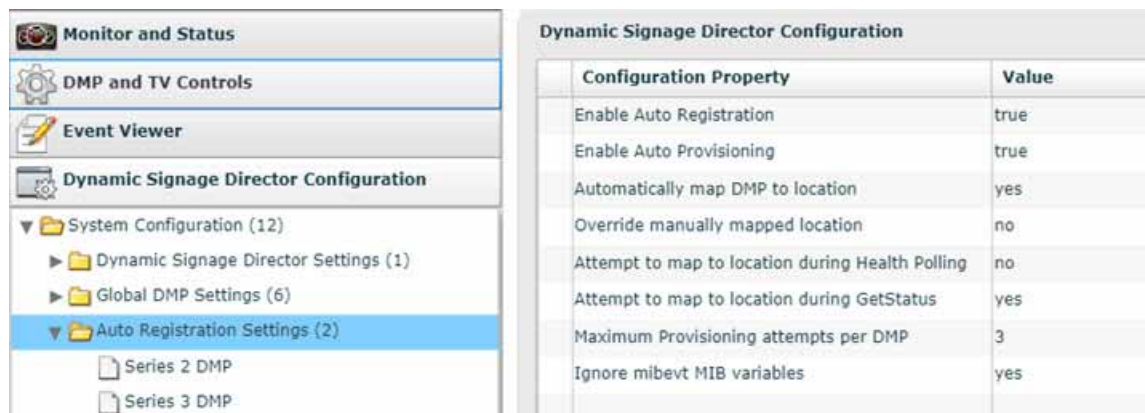
Series 2 (SV-4K) and Series 3 (CV-UHD and CV-HD) DMPs have the same storage capacity. Virtual Memory is new in the DMP firmware and it uses space in the SSD [Figure 21 on page 37](#).

Figure 21 Storage and Cache on the DMPs



System Configuration: Auto Registration Settings

Under Auto Registration Settings, the firmware image configuration properties are moved into two new groups for the SV-4K/DMP-2K (Series 2) and CV-UHD/CV-HD (Series 3) DMPs ([Figure 22 on page 38](#)).

Figure 22 Auto Registration Settings

Tools Drawer (Advanced): Registry

The following registry keys are modified in Cisco Vision Dynamic Signage Director Release 6.0:

NTP/PTP Registry Keys

Table 17 Modified NTP and PTP Registry Keys

Old Key	New Key
Globaldmpsetting.sv4k.deploy.ntpc.hostname	Globaldmpsetting. common .deploy.ntpc.hostname
Globaldmpsetting.sv4k.deploy.ntpc.interval	Globaldmpsetting. common .deploy.ntpc.interval
Globaldmpsetting.sv4k.deploy.ntpc.timezone	Globaldmpsetting. common .deploy.ntpc.timezone
Globaldmpsetting.sv4k.init.ptp.domain	Globaldmpsetting. common .init.ptp.domain
Globaldmpsetting.sv4k.ptp.master.host	Globaldmpsetting. common .init.ptp.master.host
Globaldmpsetting.sv4k.ptp.ttl	Globaldmpsetting. common .init.ptp.ttl

Installation Notes

This section includes the following installation information:

- [Installation Requirements for Licensing Compliance](#)
- [Important Migration and Upgrade Notes](#)
- [Deployment Guidelines for the Digital Media Players](#)

Installation Requirements for Licensing Compliance

To maintain software licensing compliance, Cisco Vision Dynamic Signage Director servers must be installed in the following manner:

- The Cisco Vision Dynamic Signage Director server is installed in a data center or in an enterprise data closet, or the Cisco Vision Dynamic Signage Director software is installed on the customer's choice of hardware that supports a VMware virtualized environment.

Important Migration and Upgrade Notes

In this document, the following terminology is used to qualify changes to your Cisco Vision Dynamic Signage Director hardware and software environment:

- Migration—Migration means moving an *existing* Cisco Vision Dynamic Signage Director platform to a new hardware platform in a virtual environment.
- Upgrade—Means changing your software version to a newer release on your existing platform.

This section includes the following topics:

- [Migration Restrictions](#)
- [Upgrade Paths](#)
- [Installation and Upgrade Files](#)
- [Upgrade Notes](#)

Migration Restrictions

Migration means moving an *existing* Cisco StadiumVision Director platform to a new hardware platform in a virtual environment. Brand new installations of Cisco Vision Dynamic Signage Director on new platforms in a virtual environment are not considered a migration and are supported.

CAUTION: Migration to a virtual environment on your existing Platform 3 server is not supported. For information about migrating from your Platform server to a virtual server environment, see the [“Migrating From Platform 2 Servers to a Virtual Environment”](#) module in the [Cisco Vision Director Software Installation and Upgrade Guide, Release 6.0](#).

Upgrade Paths

Note: Localization support is introduced through the installation of language packs in Release 6.0. You must upgrade from 6.0.0-740 to 6.0.0-832 (Service Pack 1) to use the language packs. The following language packs are available:

- German
- Spanish
- French
- Japanese
- Portuguese
- Russian
- Swedish
- Turkish
- Simplified Chinese
- Traditional Chinese

[Table 18 on page 40](#) lists the latest upgrade paths for Cisco Vision Dynamic Signage Director Release 6.0, with the supported prerequisite release listed in the “From” column. Software versions prior to Release 5.0 must be upgraded sequentially to the supported 5.0 version before upgrading to Release 6.0.

Installation Notes

In general, the supported upgrade paths for Cisco Vision Dynamic Signage Director follow a linear progression. Customers who are at Release 5.0, SP2 and above will be affected by **CSCvf53350: After restore operation data integration server will not start**. Best practice: take a snapshot BEFORE you attempt to upgrade or install new software. Then apply the hotfix. If you are running bare metal and not a virtual environment, please contact Cisco Technical Assistance Center.

Note: Release 6.0.0-832 is the minimum supported software version for Cisco Vision Dynamic Signage Director.

Release 5.0 and Release 6.0 Upgrade Sequences

Note: We strongly recommend you use the following sequence to upgrade from Release 5.0 to Release 6.0:

Release 5.0.0-709 (SP4) > Release 5.0.0-820 (SP5) > Release 5.0.0-909 (SP6) > Release 6.0.0-740 > Release 6.0.0-832 (SP1) > Release 6.0.0-913 (SP2)

Table 18 Supported Upgrade Paths in Release 5.0

From:	To:
Release 5.0.0-709 (SP4)	Release 5.0.0-820 (SP5)
Release 5.0.0-709 (SP4)	Release 6.0.0-740
Release 5.0.0-820 (SP5)	Release 6.0.0-740
Release 5.0.0-909 (SP6)	Release 6.0.0-740

Note: For more information about the paths and sequences, see [Key Considerations for This Release](#).

Table 19 Supported Upgrade Paths in Release 6.0

From:	To:
Release 6.0.0-544	Release 6.0.0-740
Release 6.0.0-740	Release 6.0.0-832 (SP1)
Release 6.0.0-832 (SP1)	Release 6.0.0-913 (SP2)

Installation and Upgrade Files

Cisco Vision Dynamic Signage Director Release 6.0 software is available in different types of files based on the installation or upgrade environment.

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 servers that have no prior Cisco StadiumVision Director software version installed.
- An ISO *upgrade image*—The upgrade ISO file is built for processing using the TUI upgrade utility or Software Manager.

Note: Beginning in Release 6.0, all ISO file downloads support a SHA-256 hash (sha256sum) for file integrity verification. For ISO files that support upgrades from Release 5.0, an MD5 checksum is still used and supported. Once in Release 6.0, the Software Manager will only generate a sha256 checksum.

Installation Notes

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 Cisco 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>

Upgrade Notes

Note: Cisco Vision Dynamic Signage Director Release 6.0 does not support Cisco DMP 4310G devices, Flash files, or GAR files. The Cisco DMP 4310G devices and any Flash content must be removed from your system prior to upgrade, or the upgrade ISO to Release 6.0 *will not proceed*. Flash content includes legacy ticker files, and any Flash from external content or generic data sources.

- Any legacy GAR files remaining in the system will not cause an upgrade to Release 6.0 to abort. However, the GAR files will no longer be accessible in the system so we highly recommend that you remove any GAR files.
- Upgrades to Cisco Vision Dynamic Signage Director software are made available using the Software Manager. For more details about upgrades, see the corresponding software installation and upgrade guide for your release.
- Upgrades to Release 6.0 require regeneration of the SSL security certificate post-upgrade.
- The upgrade ISO checksum hash in release 6.0 has changed from MD5 to SHA-256.

Note: Upgrade ISO files for Release 5.0 will still support MD5.

Deployment Guidelines for the Digital Media Players

This section includes the following topics:

- [Deployment Guidelines for the CV-HD Media Player](#)
- [Deployment Guidelines for the CV-UHD Media Player](#)
- [Deployment Guidelines for the DMP-2K Media Player](#)
- [Deployment Guidelines for the SV-4K Media Player](#)
- [Firmware Configuration for all Media Players](#)
- [Firmware Download for all Media Players](#)

Deployment Guidelines for the CV-HD Media Player

Before you deploy the CV-HD media player, consider the following guidelines:

- The CV-HD media player requires 15W of power for PoE.
- Configure your DHCP server with the corresponding Option 43 and Option 60 strings for the CV-HD. Use “Cisco CV-HD” for the Option 60 Vendor Class Identifier string for new DMPs shipped from the factory.

Deployment Guidelines for the CV-UHD Media Player

Before you deploy the CV-UHD media player, consider the following guidelines:

- The CV-UHD media player is unique among all of the DMPs in Release 6.0 in its ability to negotiate PoE at 30W.
Note: Service on the CV-UHD is reduced if the device negotiates to 15W of power. For the full-feature set to be enabled, PoE has to remain at 30W. If using USB for touch screen support, be aware that the USB port power is sufficiently reduced to impact support of any high-power devices.
- Configure your DHCP server with the corresponding Option 43 and Option 60 strings for the CV-UHD. Use “Cisco CV-UHD” for the Option 60 Vendor Class Identifier string for new DMPs shipped from the factory.

Deployment Guidelines for the DMP-2K Media Player

Before you deploy the DMP-2K media player, consider the following guidelines:

- The DMP-2K has the same requirement as the SV-4K for PoE+ for 30W of port power on the Cisco Connected Stadium switch. Be sure that your switch can meet these and the other requirements for deployment of the device.

CAUTION: For initial deployment of a new DMP-2K, be sure that:

- **No other accessories are attached to the DMP-2K.**
- **You are using a standard category Category 5e or 6 cable up to 100 m in length.**
- Configure your DHCP server with the corresponding Option 43 and Option 60 strings for the DMP-2K. Use “Cisco DMP-2K” for the Option 60 Vendor Class Identifier string for new DMPs shipped from the factory.

Deployment Guidelines for the SV-4K Media Player

Before you deploy the SV-4K media player, consider the following guidelines:

- The SV-4K media player requires PoE+ for 30W of port power on the Cisco Connected Stadium switch. Be sure that your switch can meet these and the other requirements for deployment of the SV-4K.
- If you only allocate 15W for port power on the Cisco Connected Stadium switch, only 1 CPU will be active. This results in the disabling of USB ports and HDMI-In Streaming.
- Before you configure the SV-4K for WiFi network connectivity, you must first provision the SV-4K according to the normal auto-registration process to download the required firmware and WiFi credentials over a **hard-wired connection**.

For more information, see:

- [Cisco Vision Deployment Guide: Digital Media Players](#)
- [How to Deploy WiFi Network Connectivity on the SV-4K](#)
- [Cisco Vision Dynamic Signage Solution Operation and Network Requirements](#) (available to qualified Cisco Vision partners)

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 6.0.

Note: The CV-HD and CV-UHD media players require a different *base* firmware than the SV-4K and DMP-2K media players.

Installation Notes

Figure 23 on page 43 shows the auto-registration configuration and Table 20 on page 43 identifies the required firmware properties for the CV-UHD and CV-HD in Release 6.0.

Figure 23 Firmware Image and Version Properties Required to Provision the CV-UHD and CV-HD



Table 20 Required Firmware Properties for the CV-UHD and CV-HD in Release 6.0

Release Number	Firmware Property	Value for Release
6.0.0-913	Firmware image to use (CV-UHD, CV-HD)	DMP-Series3-6.2.166.bsfw
	init.version (CV-UHD, CV-HD)	6.2.166
6.0.0-913	Base firmware image to use (CV-UHD, CV-HD)	DMP-Series3-6.2.166.bsfw
	base.version (CV-UHD, CV-HD)	6.2.166

Figure 24 on page 44 shows the auto-registration configuration and Table 21 on page 44 identifies the required firmware properties for the SV-4K and DMP-2K in Release 6.0.

Figure 24 Firmware Image and Version Properties Required to Provision the SV-4K and DMP-2K



Table 21 Required Firmware Properties for the SV-4K and DMP-2K in Release 6.0

Release Number	Firmware Property	Value for Release
6.0.0-913	Firmware image to use (SV-4K, DMP-2K)	DMP-Series2-6.2.166.1.bsfw
	init.version (SV-4K, DMP-2K)	6.2.166.1
6.0.0-913	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. Note: 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.

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.

Limitations and Restrictions

When using Cisco Vision Dynamic Signage Director Release 6.0, be aware of the following limitations and restrictions:

Caution: Proof of play raw data repository in /var/sv/pofp/raw directory is not part of the backup process. In normal operation, a completed script with a green dot already has a copy of the raw data and is part of the backup data. No further action is needed aside from generating the PoP report. For completed scripts that do *not* have a green dot, it is very important to investigate or call for support within 60 days of the event, after which time the PoP messages in the raw directory will be deleted.

- If you have previously accessed a different Cisco StadiumVision Director version on your computer, sometimes unexpected behavior or warnings arise, or you might access an older version of the interface. In this case, and especially after an upgrade, you must clear your browser cache.
- The first release of Cisco Vision Dynamic Signage Director Release 6.0 implements the infrastructure only to support i18n and L10n to support the independent installation of other language packs with Cisco Vision Dynamic Signage Director Release 6.0 as they become available. Language support for Release 5.0 is introduced in Release 5.0.0-421.
- Cisco Vision Dynamic Signage Director does not support internationalization for back-end messaging.
- Non-English characters are not supported as a Cisco Vision Dynamic Signage Director login credential.
- Multi-user support in Cisco Vision Dynamic Signage Director is limited to script editing only. No other Control Panel functions for templates, zones, groups, and playlists support a multi-user environment, and these areas can be deleted by other users. However, users are notified about potential impact due to currently locked scripts and are prompted for confirmation of deletion and given an option to use instant messaging to coordinate with the script owner.
- No more than 10 user sessions can be supported at any one time in the Management Dashboard and Control Panel areas. The system does not prevent more than 10 sessions to be opened, so you need to be careful that you do not exceed this limit.
- No more than 50 staging threads can be processing in Cisco Vision Dynamic Signage Director at any one time. The default maximum is 10. The maximum is configured using the “stagingThreadNum” registry found under the **Tools > Advanced > Registry** section of the Management Dashboard.

Note: If auto-registration is enabled and a new DMP is detected, then Cisco Vision Dynamic Signage Director initiates staging and always uses 50 as the maximum value. In this case, the stagingThreadNum registry setting is ignored and remains unchanged.

Important Notes

This section includes other important information about Cisco Vision Dynamic Signage Director that you should know for optimal operation. It includes the following topics:

- [Media Player Maintenance Recommendations](#)
- [Multicast Addressing Considerations for Multiple Environments](#)
- [System Utilization Values](#)

Important Notes

Media Player Maintenance Recommendations

To avoid unexpected behavior and maintain normal operation of your devices, we highly recommend that you perform a soft reboot of all of the media players in your system as shown:

- CV-HD–Weekly
- CV-UHD–Weekly
- DMP-2K–Weekly
- SV-4K–Weekly

You can reboot DMPs manually or configure a periodic task to run automatically. Remember that the automatic scheduled task applies globally to all media players in the system.

Note: Before you perform a reboot, be sure that there are not any active scripts running.

For more information see the “[How to Configure the Reboot DMP System Task From the Management Dashboard](#)” Task Note.

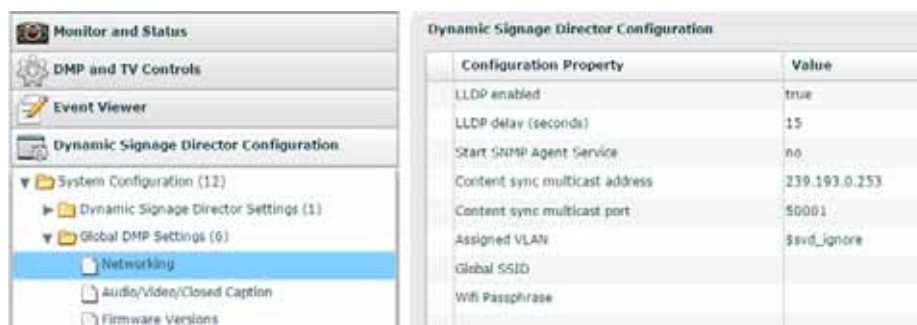
Multicast Addressing Considerations for Multiple Environments

If you are planning to set up multiple Cisco Vision Dynamic Signage Director environments, be sure that the control multicast addresses are unique in the network for each system that you instantiate. This includes the addresses in the 239.193.0.0/24 network, such as the MulticastHostPort registry key and the multicast port for zone-based content synchronization.

For more details, see [Information About Multicast Support in Cisco Vision Dynamic Signage Director](#)” in [Cisco Vision Administration Guide: Dynamic Signage Director, 6.0](#).

Note: In Release 6.0, the zone-based synchronization multicast address and port are now configured in the Management Dashboard ([Figure 25 on page 46](#)). If using the same multicast addresses, be sure that at least the port configuration is unique. The MulticastHostPort continues to be configured in the Management Dashboard registry.

Figure 25 Global DMP Settings: Networking Configuration Properties



Configuration Property	Value
LLDP enabled	true
LLDP delay (seconds)	15
Start SRMP Agent Service	no
Content sync multicast address	239.193.0.253
Content sync multicast port	50001
Assigned VLAN	\$vid_ignore
Global SSID	
WiFi Passphrase	

System Utilization Values

Measurement units for storage in Cisco Vision Dynamic Signage Director are based on a KB equivalent of 1024 bytes [known as a kibibyte (KiB)], not 1000 bytes.

Therefore, a notation of MB actually means 1,048,576 (1024 x 1024) bytes in Cisco Vision Dynamic Signage Director.

Caveats

Caveats

- [Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-913](#)
- [Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-832](#)
- [Open Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-832](#)
- [Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-740](#)
- [Open Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-740](#)

Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-913

The following lists the resolved defects.

Table 22 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-913

Resolved Defect Number	Description of Original Defect
CSCvi47816	Channels created in older Dynamic Signage Director may not work in a script action.
CSCvi82549	In Designer, widget dimensions are not editable after first save.
CSCvf99518	Dynamic live content update takes a long time when a large script/large playlist script is running.
CSCvi97888	Input and output triggers get errors when users attempt to reset them.
CSCvi97049	Day and month entered in the scheduler is reversed in French language pack.
CSCvi43102	When running a script of External URL image as default channel and video/UDP Channel, they overlap.
CSCvi44497	Unable to upload .wmv and .svg files though the types are added in Registry Parameters.
CSCvi58450	Unable to delete a scheduled script when script state schedule is in the Scheduler.
CSCvi44696	RTP channel saved as UDP after editing and performing save.
CSCvi73009	In flash based Content Manager, unable to change the length of a playlist item.
CSCvi38009	During Data Integration, Field Mapping not refreshing properly.
CSCvi34202	DMP runtime is very chatty resulting in difficulty in using DWS log for debugging.
CSCvi72267	Scheduler UI doesn't update properly if recurrence event is edited in between.

Caveats

Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-832

The following lists the resolved defects.

Table 23 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-832

Resolved Defect Number	Description of Original Defect
CSCvh68783	Widget Designer: Open and saving a widget causes Graphic Component images to not stage to DMPs.
CSCvh96673	Release 6.0.0-740: Unable to delete Script states while it is scheduled using Scheduler.
CSCvh55406	Content Security Policy does not get updated consistently during upgrade to 6.0.
CSCvh76647	When you copy a playlist, the duration of the playlists items are set to 0.
CSCvh16378	Designer does not save a template if it is used by a script.
CSCvh14664	Luma-key check box cannot be set on the new designer UI.
CSCvh68894	Widget Designer: Opening and saving a widget causes default Pic2Screen image to not stage to DMPs.
CSCvi04954	Mixed-model DMPs are not listing in CCM when assigned to Luxury Suite.
CSCvg87700	During live update, re-positioning video in playlist currently playing on TV, causes screen to freeze.
CSCvg99699	Addition/deletion zone/suite not updating in CCM when selecting "refresh tree data" icon.
CSCvh61486	When renaming playlist, you must type in full name.
CSCvh93911	When editing External Content URL, Internal Server Error appears.
CSCvh68917	Playlists: Left hand playlist tree should show top 15, based on last modified date.
CSCvh76683	Uploaded video with 0 duration, when dragging & dropping to playlist will show duration NaN.
CSCvh61495	Some search in playlist, results double up.
CSCvh61415	Not all user-selected tags set when uploading content.
CSCvh76658	After copying a playlist, auto scroll and playlist are not highlighting in playlists.
CSCvh58687	In Dashboard, when sorting by Firmware column, large amount of information dialogs appear.
CSCvh60809	In Dashboard, firmware column sorting does not produce expected results.
CSCvh58706	In Dashboard using the compliance "hammer" icon generates an NPE message.
CSCvh60719	Content replacement takes a long time under certain circumstances.
CSCvh50103	Backups directory gets deleted if it contains no backups.
CSCvh32670	On content validity, end times should not be inclusive.
CSCvh99036	Different asset with same name added while replacing migrated assets.

Open Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-832

This section details newly found defects in Release 6.0.0-832. All defects that are open in prior Cisco Vision Dynamic Signage Director Release 6.0 releases and not listed as resolved remain open in Cisco Vision Dynamic Signage Director Release 6.0.0-832.

CSCvh52070—Occasionally the green DELETE button doesn't function.

Symptom Delete button in the pop-up window is not working when you delete more than 2 assets simultaneously.

Caveats

Workaround Refresh the browser before deleting the asset.

CSCvh69927–Sorting only works for the assets/playlists that are displayed in the UI.

Symptom When you click on any column in the table to sort the assets or playlists, only the visible items in the UI seem to sort.

Workaround Scroll till the end of the list to see the complete Assets or Playlists sorted.

Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-740

The following lists the resolved defects.

Table 24 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0

Resolved Defect Number	Description of Original Defect
CSCvf77325	Input trigger history replicated during forced refresh.
CSCvg46241	'Created By' field value changed when updating meta data fields.
CSCvg46563	Importing assets displays the wrong resolution.
CSCvg46197	When a Venue Administrator or Content Administrator uploads any asset (images/videos), asset metadata on the uploaded asset shows "Created by" field as "ADMIN" instead of the user who uploaded.
CSCvg50699	When large amount of DMPs reboot, the UI does not respond until requests are finished.
CSCvf78682	Blank screen displays when we tune into HDMI IN Channel (apart from Channel 0)
CSCvg03783	System does not recognize factory CV-UHD DMPs with wifi.
CSCvf56308	Asset Library: Certain zoom/resolution combos cause UI to not show scroll bar and/or no contents.
CSCvf93937	Runtime makes high # of data pull requests once integration server becomes unreachable.
CSCvg58348	Using HTTPS to request a trigger with "StadiumVision" in the path results in error.
CSCvf55609	Blank screen displays when we select HDMI-In channel by IR-remote in DMP-2K and CV-HD.
CSCvf58923	Workspace shows 0 item when you refresh browser in CCM page & switch to Library page.
CSCvf45394	Asset Library: Unable to set tag of multiple assets as part of multi-select.
CSCvf52146	Able to create a channel without Channel name.
CSCvf61198	Asset Library: Assets search working for loading contents in Library page.
CSCvb98474	Data integration server is not restarting after deploying the same FTP server data source.
CSCvf45879	Asset Library: Unable to convert a Non Video playlist to Mixed Media playlist.
CSCvf47228	Asset Library: Asset count is shown incorrectly at folder level while uploading assets.
CSCvf55734	Playlist open and select New playlist option, playlist assigned assets and its name displays.
CSCvg07246	Images play in video region overlap with multicast channel when it selects by Local control API.
CSCvg07250	Images play in Video region overlap with multicast channel when it selects by IP phone.
CSCvg07257	Images play in Video region overlap with multicast channel when it selects by Dashboard.
CSCvg07267	Images play in Video region overlap with multicast channel when it selects by IR remote.
CSCvg07231	Multicast content is not played when MC select by IR remote when image running in Non-video region.

Caveats

Table 24 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0

Resolved Defect Number	Description of Original Defect
CSCvf64344	Venue folders are not getting created if we have " ' " in Venue name after upgrading from DSD 5.0.
CSCvf61460	HDMI In channel uses default duration as 0 in playlists when we do an upgrade.
CSCvg07194	Images play in Non video region overlap with multicast channel when it selects by IP phone.
CSCvg07208	Images play in Non video region overlap with multicast channel when it selects by Dashboard.
CSCvg07162	Images play in Nonvideo region overlap with multicast channel when it selects by Local control API.
CSCvf88952	DMP goes blank for few seconds when we shuffle content to a playlist (with External URL) that is running.
CSCvf76456	Channel 0 cannot be added to channel guide via the master channel list tab.
CSCve79612	First video in a playlists is not played completely for the first time.
CSCux14361	When scheduling any event consecutively (say 2 weeks), the event details are not shown in Day and Week view in Scheduler page.
CSCvf66568	Control Panel "My Profile" page "Force password change on next login" check box missing description.
CSCvf66563	Asset Library: The "My Profile" option should be removed from the "User" drop down.
CSCvf66558	In Control Panel when logged in as Administrator role, "My Profile" tab should not be visible.
CSCvf44779	In CCM, the term "Reboot" and "Restart" mean the same thing.
CSCvf47113	Scheduler: Save and cancel button are not visible when scheduling more states.
CSCvf66114	State scheduled option is not updated while edit the series of the event when only scripts scheduled.
CSCvf45409	Asset Library: For portrait video/image, the thumbnail shows stretched in landscape.
CSCvg03719	Widget & external content name do not display in List view while selecting "All assets."
CSCvf58986	Unable to create sub-folder immediately after creating folder in workspace.
CSCvf47158	Asset Library: Folder delete: Error message text is not clear.
CSCvf66163	Uploaded assets showing in work space and playlist thumbnail view when focus is on Playlist.
CSCvf45387	Asset Library: Date and time picker is not available in Firefox in Asset Metadata View.
CSCvf56320	Asset Library: When switch views on left pane main pane should be blank.
CSCvf66197	Unable to add asset in the middle of a playlist.
CSCvf72722	Unable to click on a playlists or any asset in List view. Action only works in thumbnail view.
CSCvf55715	Playlist view truncated when image/video displayed in List view while selecting new playlist in option.
CSCvf47133	Size and Last Modified Header not displayed in Tags list view.
CSCvf47147	Asset counts with TAGS are not updated while associating assets.
CSCvf46025	Create option is available for Venue Admin user by right clicking on an external content. Venue admin should not have access to create, edit and delete external content.
CSCvg07214	Info bar does not display when multicast channel by IR remote when image played in Non-video region.
CSCvf61208	Playlist: Broken thumbnail displays for empty playlists after upgrade from DSD 5.0

Caveats

Table 24 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0

Resolved Defect Number	Description of Original Defect
CSCv47140	Asset Library: Place holder info is not present for asset's metadata option.
CSCvg45745	Import, delete, playlists, and external content options are not working when we select a Venue for administrator.
CSCvf46070	Asset upload: Upload progress bar length exceeds asset upload box.

Open Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-740

This section describes newly-found defects in Release 6.0.0-740. All defects that are open in prior Cisco Vision Dynamic Signage Director Release 6.0 releases and not listed as resolved remain open in Cisco Vision Dynamic Signage Director Release 6.0.0-740.

CSCvh99036–Different asset with same name added while replacing migrated assets.

Symptom User notices duplicate content with same name but different time stamp when content was uploaded/added. This is applicable for video/static image content with over 24 character name length.

Conditions

1. For users who upgraded to Release 6.0.0-740 and used the Asset Library feature to replace pre-6.0 release content, duplicate content gets created. This older content must be deleted.
2. For users who upgraded to 6.0.0-740 release and did not replace existing content, then upgraded to 6.0.0-832 SP1, no duplicates appear.

Workaround

1. Check folders and workspace for duplicate content.
2. Delete older content. Check asset metadata Last Modified information to determine which content is older.

IMPORTANT: Users who ignore duplicates in the 6.0.0-740 release, then upgrade to 6.0.0-830 SP1 release and continue to replace duplicated content will find that most recent uploaded content (which is in duplicate) will be replaced by newer content. The OLDER and ORIGINAL content will remain unchanged in the system.

CSCvf47268–DMP: Contents may not be displaying on DMPs if an external URL channel has HTTPs.

Symptom Contents may not be displaying on DMPs if an external URL channel has HTTPs.

Workaround There is no workaround.

CSCvf47832–Rebooted DMP may not be in sync with the other DMPs if content validity is enabled.

Symptom DMPs it may not be in sync with the each other.

Conditions When the DMP comes back after loading the runtime, notice the DMP is no longer in sync with the other DMPs due to the fact that content validity parameters changed while DMP was rebooting.

Workaround Change states and then change back to desired state. DMP will then be in sync again.

CSCvg73488–In TextToScreen component, Text Duration setting not applied until widget is reopened.

Symptom In TextToScreen component Text Duration setting not applied until widget is reopened.

Caveats

Steps:

1. Create a widget.
2. Place a TextToScreen component on the canvas.
3. Bind to a data source.
4. Notice the rotation is at 5 seconds.
5. Change Text Duration to 10 seconds.
6. Save the widget.

Notice the text rotation is still at 5 seconds on the canvas.

7. Close and re-open the widget.

Notice now the text rotation is at 10 seconds.

Workaround Close and reopen the widget.

CSCvg73489—When widget component rotated > 50 degrees click and drag upper left handle has incorrect behavior.

Symptom When grabbed and dragged the bounding rectangle will jump around.

Workaround Grab and drag other handle besides the upper left one when component is rotated > 50 degrees or rotate the component as a last step.

CSCvg73494—In List component “on change” and “increase and decrease” color not working on canvas.

Symptom When using List component, if you choose “on change” or “increase or decrease” color, the canvas does not change.

Workaround There is no workaround.

CSCvg73495—In List component when Italic is used sometimes text can appear outside the component boundary.

Symptom When using List component, sometimes some portions of a letter will extent outside the component boundary.

Workaround Avoid using italic font style if text displayed exhibits this behavior.

CSCvg73651—Widget Designer: In PicToScreen component the “image duration” setting is ignored.

Symptom Regardless of the setting, images seems to rotate at 15 seconds.

Workaround There is no workaround.

CSCvg73656—In PicToScreen when there is no data binding, default image should not be displayed on the canvas.

Symptom The default image appears on the canvas even though there is no data binding.

Workaround There is no workaround.

CSCvg74246—In PlayList, Save & Cancel button is hidden while changing screen resolution.

Symptom When increasing the screen resolution, Save & Cancel is invisible in Playlist.

Workaround There is no workaround.

CSCvg76009—Image resolution does not update after upgrading to GA build if uploaded during 6.0 EFT or FCS.

Caveats

Symptom Image resolutions are not updating after upgrading to 6.0 GA from 6.0 FCS or 6.0 EFT, if assets were uploaded in FCS or EFT.

Workaround Re-upload the same image to see the correct resolution.

CSCvg76743–MUTING_TOGGLE doesn't show as feature even when set on display spec.

Symptom When querying for the features of all players accessible by a particular suite PIN, a player will not return having a MUTING_TOGGLE feature even though its display specification defines value for the its "MuteToggle" key.

Workaround Add the value key "MutingToggle" to the display specification and define a value for it. After that, the MUTING_TOGGLE feature will appear when querying for the features of all players accessible by a particular suite PIN.

CSCvg79403–Unable to schedule the states which are already scheduled in states.

Symptom

Workaround

CSCvg80860–Transition happens to a state based on schedule even if the current state is timer based.

Symptom When the scheduled time arrives for a state, if the current state is timer-based. this is overridden to move to the scheduled state.

Workaround Schedule the next state only after completion time of "timer states."

CSCvg81617–Lwrap image delays when we change to External Image/html channel in Dual video region.

Symptom When we change to External URL image or html channel, when a Dual video is running in a script with an Lwrap and UDP channel, there is a delay in showing up the Lwrap image.

Steps:

1. Create a Dual Video Script with Lwrap image and UDP channel.
2. When the script is running, change the channel to External URL Image/ html channel.

There is a delay in showing up the Lwrap image. Channel content is shown first then the Lwrap image.

Workaround There is no workaround.

CSCvg82137–In Widget Designer, a TextToScreen component canvas preview delays before appearing.

Symptom Using Widget Designer, a TextToScreen component canvas preview has a delay before appearing.

Steps:

1. Create a widget.
2. Place a TextToScreen component on the canvas.
3. Bind it to a data source.

It may take up to 15 seconds before the canvas preview appears.

Workaround There is no workaround.

CSCvg82608–Unable to delete states scheduled script from Control Panel.

Symptom Unable to delete the state scheduled scripts from Control Panel when it is scheduled from Scheduler and you add repeated events. We are able to delete scripts if states are not scheduled.

Caveats

Steps:

1. Login to DSD and wait until Library page loads.
2. Open Scheduler page and create repeated events.
3. Select the script and schedule scripts states.
4. Save the events in Scheduler.
5. Open Control Panel and try to schedule the script.

Unable to delete the state scheduled scripts from Control Panel.

Workaround

1. Delete the scheduled event first, then delete the script.
2. Open the event of scheduled scripts.
3. Disable the “Scheduled State” slider and delete the script.

Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-544

The following lists the resolved defects.

Table 25 Resolved Defects in Cisco Vision Dynamic Signage Director Release 6.0

Resolved Defect Number	Description of Original Defect
CSCve65215	localct volume ctrl using absolute volume level works when it shouldn't
CSCva71831	DMP stops all CEC communication when LG TV is turned off via remote
CSCvf11709	Dashboard: history.css and history.js retrieved by Dashboard but is not found
CSCvf53350	After restore operation data integration server will not start
CSCvf63487	Channel guide localctl call contains extraneous data

Open Defects in Cisco Vision Dynamic Signage Director Release 6.0.0-544

This section describes newly-found defects in Release 6.0.0-544. All defects that are open in prior Cisco Vision Dynamic Signage Director Release 6.0 releases and not listed as resolved remain open in Cisco Vision Dynamic Signage Director Release 6.0.0-544.

CSCvf47832–Rebooted DMP may not be in sync with the other DMPs if content validity is enabled.

Symptom DMPs it may not be in sync with the each other.

Conditions When the DMP comes back after loading the runtime, notice the DMP is no longer in sync with the other DMPs due to the fact that content validity parameters changed while DMP was rebooting.

Workaround Change states and then change back to desired state. DMP will then be in sync again.

CSCvf47268–Contents may not displaying on DMPs if an external URL channel has HTTPs.

Caveats

Symptom Contents may not be displaying on DMPs if an external URL channel has HTTPs. This may be because some sites are using security certificates that are not currently supported by the DMP.

Workaround There is no workaround.

CSCvf44796–Asset Library: Difficult to click and drag to re-order a playlist if playlist scrolling is required.

Symptom If there is a piece of content user wants to move to another slot in the playlist that is not currently in view (requires scrolling), clicking and dragging the content towards the edge of the playlist to trigger playlist scrolling is not consistently working.

Sometime the playlist will not scroll at all making the re-ordering of the piece of the content very difficult.

Workaround If playlist scrolling doesn't work, try 1 of 2 things:

Reload the UI.

or

1. Move piece of content down to last position in playlist.
2. Scroll to next page on playlist.
3. Repeat #1 and #2 until the piece of content is in new desired position

CSCvf47973–Crestron API calls to "StadiumVision" redirect to "CiscoVision" not working.

Symptom When Crestron code calls the API with "StadiumVision" in the URL the server responds with a 302 redirect.

However, the Crestron does not honor the redirect and the call fails.

Workaround

Perform one of two:

- Update the application running on the Crestron to use "CiscoVision" instead of "StadiumVision" in the API call.
- Contact your Cisco representative.

CSCvf46997–After initial provision or timezone change, DMP needs extra reboot to have correct timezone.

Symptom After initial provision or timezone change DMP needs extra reboot to have correct timezone.

Steps:

Using either a new DMP or an already provisioned DMP:

1. Boot up the new DMP or change the timezone in Dashboard and reboot the DMP.
2. When DMP completes provisioning and is streaming default multicast video, perform a GetStatus.

Notice the compliance check passes showing the DMP has the timezone configured in Dashboard.

If Diagnostic Web Server is used to login to the DMP and check the timezone the DMP is using, it's either using "GMT" if the DMP was freshly provisioned, or using the previous timezone before it was changed in Dashboard.

3. Reboot the DMP again.

Now DMP will be using the correct timezone.

Workaround Reboot the DMP an extra time after initial provisioning or after a timezone change in Dashboard.

Caveats

CSCvf44825–Random DMPs shows slight multicast video out-of-sync with Firmware 6.2.166.

Symptom Using a tree of 12 DMPs, when the runtime is restarted, sometimes there will be several random units that will show slight multicast video out-of-sync behavior. The out-of-sync is very slight but observable. This only occurs intermittently.

Workaround

1. Change DMP Jitter setting from default of 140 to 30 in the Dashboard.
2. Reboot DMPs.

If out-of-sync behavior is still observable, tune the Jitter number lower but not lower than 16.

Keep in mind the lower the Jitter number, the less tolerant the DMP is to multicast stream network delay issues.

CSCvf45394–Asset Library: Unable to set tag of multiple assets as part of multi-select.

Symptom Unable to set tag of multiple assets when we select more than two assets at a time.

Workaround Select one asset at a time and tag the asset.

CSCvf56308–Asset Library: Certain zoom/resolution combos cause UI to not show scroll bar and/or no contents.

Symptom Asset Library: At certain zoom/resolution combos, the UI does not show scroll bar and/or contents.

For example (each system may have its own zoom/resolution settings that trigger the issue).

1. In a browser, zoom to level 75%.
2. Reload the UI.

Notice no contents are displayed.

Workaround

1. Change the browser zoom level or system resolution.
2. Reload the browser UI.

CSCvf47047–The upload progress bar is not in sync while uploading assets.

Symptom While uploading assets, the progress bar is not in sync.

Workaround There is no workaround.

CSCvf47228–Asset Library: Asset count is shown incorrectly at folder level while uploading assets.

Symptom Asset count is shown incorrectly at folder level while uploading assets. The count at folder level is showing asset count at workspace+folder.

Condition The count is shown incorrect immediately after uploading assets at folder level.

Workaround Refresh the browser.

CSCvf61198–Asset Library: Assets search only working for contents scrolled into view.

Symptom Within Asset Library, search only works for content that is in view, not all content.

Conditions Have more content than will display on a single page.

Steps:

1. Load the Asset Library.

Caveats

2. Without scrolling, use the search box to search for a piece of content that is not in view. For example a piece of content that is sorted at the end of the content list.

Notice no content is found. This is because the search box only search on content items that are already visible when the Asset Library is loaded or have scrolled into view subsequently.

Workaround Scroll until the last piece of content is in view. Search should now work in the expected manner.

CSCvf45879–Asset Library: Unable to convert a Non-Video playlists to Mixed Media playlists.

Symptom If user creates a playlist as a Non-Video Playlist, s/he cannot update it as a Mixed -Media Playlist.

Workaround There is no workaround.

CSCvf55734–When selecting New Playlist option is opened, playlist assigned assets display.

Symptom If playlist is opened and you select New playlist option, assigned assets and playlist names display.

Workaround Close the already opened playlist and select New playlist.

CSCvf55609–Blank screen displays when select HDMI-In channel by IR-remote in DMP-2K and CV-HD.

Symptom When we invoked Channel-0 [HDMI-In] by IR-remote or Local control API in DMP-2K & CV-HD, blank screen displays.

Workaround There is no workaround.

CSCvf58923–Workspace shows 0 items when refresh browser in CCM page then switch to Library page.

Symptom When you perform browser refresh in Device Management Page (CCM) and then switch to Library page, the workspace shows no assets. The count of assets in Library page also shows 0.

Workaround Click on Workspace in the left pane to show the assets in the workspace.

CSCvf61460–When performing an upgrade, HDMI In channel is taking default duration as 0 in playlists.

Symptom HDMI In channel is taking default duration as 0 in playlists when we do an upgrade. DMP continues to show HDMI Channel content and doesn't move to the next Playlists content.

Conditions Playlists should have HDMI IN as External Content before upgrading to 6.0.

Workaround Edit the playlists and change the duration of HDMI Channel to -1.

CSCvf64344–Venue folders are not getting created if we have " ' " in Venue name after upgrading from DSD 5.0.

Symptom Venue folders are not getting created if we have " ' " in Venue name.

Workaround Rename the venue name before upgrading or manually create a folder and move the contents after upgrade. Do not use "" character when naming folders.

CSCvf66129–Assets Library: UI freezes while placing the focus on widget, channel, external URL and then uploading files.

Symptom Assets Library: UI freezes when focusing on widget, channel, or external URL and then uploading files.

Workaround Refresh browser page and get clean Library page.

CSCvf46466–Asset Library: Continue button is disabled when you try to upload from the same folder for a consecutive time.

Symptom The Continue button is disabled when you try to upload from the same folder again.

Related Documentation and Resources

Workaround De-select and select the content in the popup window (Tick Mark). The Continue button will be enabled.

CSCvf78682–Blank Screen displays when you tune into HDMI-IN Channel (Apart from Channel 0).

Symptom Blank Screen displays when you tune into HDMI-IN Channel (Apart from Channel 0). This also happens when you tune into HDMI-IN Channel using Scripts/IP Phone/IR remote.

Channel 0 (HDMI-In) is working fine.

Steps:

1. In **Control Panel** go to **Channels** tab.
2. Create a new channel with source type set to ?HDMI-In?.
3. Add this channel to a channel guide.

Workaround Tune into Channel 0 to see HDMI Content.

CSCvf76456–Channel 0 cannot be added to channel guide via the master channel list tab.

Symptom Channel 0 cannot be added to channel guide via the master channel list tab.

Workaround Go to Channel Guide tab and then add Channel 0 from the channel guide tab.

CSCvf88952– DMP goes blank for few seconds when you shuffle content to a playlist when External URL is on screen.

Symptom When running playlists that include External URL channel, the DMP goes blank for few seconds when we add/delete and shuffle content. Also, the DMP shows the previous content of the playlists, before starting the rotation of the contents back.

Steps to reproduce issue:

1. Create a playsits with External URL Channels, Images and videos (i.e., in the order of image1, Video1, image2, External URL channel, Local Video2).
2. Run the playlists as part of a script.
3. While the external URL channel is playing in the DMP, try to add or delete content from playlists and interchange the position of contents ,or just interchange the content without adding or deleting content.

Current Behavior:

Blank Screen shows in DMP for a few seconds. Then DMP shows the image2 and then continues the content rotation. The DMP doesn't continue from the position it stopped.

Note: Issue happens only when changes are made in playlists when External URL channels are running in the DMP.

Workaround There is no workaround.

Related Documentation and Resources

This document is to be used in conjunction with the documents listed in this section.

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/stadiumvisiondocs

Cisco Vision Dynamic Signage Director Documentation Summary

The following documents are included in the content library for Cisco Vision Dynamic Signage Director Release 6.0:

Install and Upgrade Guides

[Cisco Vision Software Installation and Upgrade Guide: Dynamic Signage Director Release 6.0](#)

Design and Deployment

[Cisco Vision Deployment Guide: SV-4K and DMP-2K Media Players](#)

[Cisco Vision Dynamic Signage Solution Operation and Network Requirements](#) (authorized partners only)

[Cisco Connected Stadium WiFi Design Guide](#) (authorized partners only)

[Cisco Vision Video Headend Design and Implementation Guide](#) (authorized partners only)

Localization

[Cisco StadiumVision Director Localization Guide](#)

Server Administration

[Cisco Vision Administration Guide: Dynamic Signage Director, 6.0](#)

Content Management

[Cisco Vision Content Planning and Specifications Guide: Dynamic Signage Director, Release 6.0](#)

[Release 6.0: Cisco Vision Director Data Integration Guide](#)

Event Operations

[Cisco StadiumVision Director Operations Playbook](#)

[Cisco Vision Dynamic Signage Director Operations Guide, Release 6.0](#)

Task Notes

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

[DMPs: Enable Touch Screen Control](#)

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

[DMPs: Deploy WiFi Network Connectivity on the SV-4K](#)

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

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

Licensing Information

[Open Source Used In Cisco Vision Director Release 6.0](#)

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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 SV-4K and DMP-2K Media Player

The Return Materials Authorization (RMA) process for the SV-4K and DMP-2K media player is covered by the Solution Support Service for Cisco Vision.

Before you place a service call, see the troubleshooting information in the [Cisco Vision Deployment Guide: SV-4K and DMP-2K Media Players](#). 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.

Service and Support for Cisco Vision Dynamic Signage Director

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