Avid® MediaCentral Platform

ReadMe Version 2.0.1

Important Information

Avid® recommends that you read all the information in this ReadMe file thoroughly before installing or using any new software release.

Important: Search the Avid Knowledge Base at www.avid.com/support for the most up-to-date ReadMe file, which contains the latest information that might have become available after the documentation was published.

Revision History

Date Revised	Changes Made
December 2, 2014	Revised information about approved security patches. See "Security Updates" on page 21.
October 9, 2014	• Added instructions for removing the GlusterFS metadata cache replication volume. See "Removing the GlusterFS Metadata Cache Replication Volume" on page 29.
September 29, 2014	• Corrected the new port number for MediaCentral Distribution Service. See "Port for MediaCentral Distribution Service" on page 26.
	• Added limitation for Interplay Consolidate and fix in v3.1.1 patch. See "Interplay	Consolidate" on page 38
	• Added note about the Media Distribute v2.0.1 Patch Release. See "Media	Distribute v2.0.1 Patch Release" on page 20.
	• Updated the compatibility table for mobile apps. See "Avid Central, Avid Central Legacy, and MediaCentral	UX Device Compatibility" on page 11.
	• Added limitation for MediaCentral Help. See "MediaCentral Help" on page 37.

Date Revised	Changes Made
September 16, 2014	• Added XDCAM-HD 35 Mbps 1080i/50 as supported for STP. See "Media Formats Supported for MediaCentral STP" on page 15.
	• Added a correction for the user's guide. The Search bar uses the federated search option by default. See "Additional Documentation" on page 28.
	• Added information about using Transcode Mixdown profiles. See "Additional Documentation" on page 28.
September 3, 2014	Removed the statement that send to playback does not support in-progress clips (edit while capture). This feature is supported by the MediaCentral Platform.
August 28, 2014	Added information about a multi-zone design limitation. See "Additional Documentation" on page 28.
August 13, 2014	• Added missing Gluster package. See "Obtaining Gluster" on page 18.
August 11, 2014	• Added ISIS client version information. See "Compatibility Notes and Issues" on page 5.
	• Added limitation for using Messenger from Media Composer. See "Media Composer" on page 37.
July 29, 2014	Updated for version 2.0.1.
	• "MediaCentral Platform Services Version Numbers" on page 5 and "Compatibility: MediaCentral Platform" on page 6
	• Additional Gluster packages: "Obtaining Gluster" on page 18
	• "Fixed in Version 2.0.1" on page 27
	Version 2.0 was removed from the Download Center and replaced by v2.0.1. Patch release v2.0.1 is available for sites that already installed version 2.0. See "Installing MediaCentral Platform Services Version 2.0.1" on page 18.
July 23, 2014	• Added limitation for opening assets in Interplay-only configuration.
	• Added information about VPN for mobile devices. See "Phones for MediaCentral	UX" on page 10.
	• Added information about how Media Services are displayed. See "Interplay Services in the Media Services and Transfer Status Tool" on page 36.
July 16, 2014	Added information about licensing, layouts, and double-sided trim. See "Additional Documentation" on page 28.
July 9, 2014	Clarified support for mobile devices. See "Phones for MediaCentral	UX" on page 10.
July 7, 2014	Added XDCAM-HD 35 Mbps 1080i/59.94 as supported for STP. See "Media Formats Supported for MediaCentral STP" on page 15.

Date Revised	Changes Made
July 3, 2014	• Added instructions for commenting out script lines for Media Distribute installation bug • Updated GlusterFS version
July 1, 2014	Added workaround for Media Distribute installation bug
June 27, 2014	First publication.

Contents

About MediaCentral Platform Version 2.0

MediaCentral Platform v2.0 provides new features and bug fixes. For more information, see the following topics:

- "New Features in Version 2.0" on page 22
- "Fixed in Version 2.0" on page 27

⚠ **Beginning with version 2.0, the product name "MediaCentral" replaces "Interplay Central." For more information, see "Rebranding" on page 22."**

Documentation

For the latest information on MediaCentral, see the documentation available from the MediaCentral documentation page of the Avid Knowledge Base:

http://avid.force.com/pkb/articles/en_US/readme/Avid-MediaCentral-Version-2-0-Documentation

Localized User Interface and Documentation

The MediaCentral UX user interface and Help are available in the following languages:

- English
- French
- German
- Italian (new for V2.0. User interface only)
- Japanese
- Korean
- Simplified Chinese
- Spanish

The user selects the language for the user interface in the MediaCentral UX User Settings.

Translated documentation is located here:

http://avid.force.com/pkb/articles/en_US/readme/Avid-MediaCentral-Version-2-0-Documentation-Translated

Compatibility Notes and Issues

This section contains compatibility information for MediaCentral Platform Services and its related products.

MediaCentral Platform Services Version Numbers

Use the following procedure to determine the version and build numbers of the installed MediaCentral Platform Services. The following procedure lists the build numbers for version 2.0.1.

To determine the version and build numbers:

1. Connect to the MediaCentral Platform server console as the *root* user.

2. Type the following command:

   `ics_version`

3. Press Enter.

   Version and build numbers are returned as follows:

   ```
   UMS Version: 2.0.0.26
   IPC Version: 2.0.0.348
   ICPS Version: 2.0.1.0
   ICPS manager Version: 2.0.659
   ACS Version: 2.0.0
   ICS installer: 2.0.1 (Build RC3)
   ```

Compatibility: MediaCentral Platform

This section contains compatibility information related to MediaCentral Platform v2.0.

Qualified Products

MediaCentral Platform v2.0.1 is qualified with the following products.

Product	Version
MediaCentral UX	v2.0.1
Media Director	v2.0
Media Composer Cloud	Latest plug-in for • Media Composer v6.5.x, 7.0.x, and 8.0.1 (includes NewsCutter option) • NewsCutter v10.5.x, 11.0.x
Interplay MAM	Latest versions of Interplay MAM (v4.3.2x, v4.3.x) are not compatible with MediaCentral Platform v2.0.1.

Operating Systems for Servers

The following table lists minimum supported versions for MediaCentral Platform servers.

Server	Version
MediaCentral Platform	Red Hat Enterprise Linux (RHEL) 6.5 (64-bit) plus approved security patches. See "Security Updates" on page 21.. ⚠ **MediaCentral Platform requires that you set the language for RHEL to English. English is set automatically by the MediaCentral Platform installation scripts. Do not change the input language afterwards.** GlusterFS 3.4.0 (Required if file caching is used and you set up a cluster). See "Obtaining Gluster" on page 18.
MediaCentral Distribution Service	Microsoft Windows 7

Systems and Storage

The following table lists minimum supported versions for Interplay and ISIS components.

Product	Version
Interplay Production Engine	• V2.5 and later • v2.6 and later for - DNxHD 85/100 - Sphere 2 Mbps proxy - Multi-ISIS • v3.1 and later for - Media Index
MediaCentral Distribution Service	• V3.1 and later. Supported by Interplay Engine v2.5 and later.
Interplay Transcode	• V2.7.0 plus V2.7.0.1 patch and later • V2.7.5 and later Supported by Interplay Engine v2.5 and later.
Interplay STP Encode	• V2.7.0 plus V2.7.0.1 patch and later • V2.7.5 and later Supported by Interplay Engine v2.5 and later.
Interplay Production Services Automation	• V3.1 and later. Supported by Interplay Engine v2.5 and later.
Interplay Consolidate	• V3.1 plus v3.1.1 patch and later. Supported by Interplay Engine v2.5 and later.
Avid iNEWS	• V3.4.3 and later
ISIS client (Linux version)	• v4.7.0

⚠ **The ISIS client is automatically installed with the MCS software. Do not update the ISIS client on the MediaCentral Platform server unless otherwise documented and approved by Avid.**

Product	Version
ISIS | 7500, ISIS | 7000	• V4.0.3, V4.0.4 System Director
	• V4.5 System Director
	• V4.6 System Director
	• V4.7 System Director
	• Mirrored workspace supported for all media formats
	• RAID6 workspace supported for media formats up to 50 Mbps
	• ISS 1000 (Gen 1 HW) GigE support only
	• ISS 2000 (Gen 2 HW) GigE and 10GigE support
ISIS | 5500, ISIS | 5000	• V4.0.3 System Director
	• V4.5 System Director
	• V4.6 System Director
	• V4.6.1 System Director
	• V4.7 System Director
	• GigE and 10GigE support
ISIS | 2500, ISIS | 2000	• V4.1 System Director
	• V4.2 System Director
	• V4.5 System Director
	• V4.6 System Director
	• V4.6.1 System Director
	• V4.7 System Director
	• GigE and 10GigE support
	• Only supports real-time playback of proxy material that is 3Mb/s or less.

For playback of group clips, a 10 GigE connection between the MediaCentral Platform server and the ISIS shared-storage system is required. For additional information on calculating bandwidth requirements, see *MediaCentral Platform Services Hardware Guide* and the appropriate ISIS Performance Guide.

Browsers for MediaCentral | UX

MediaCentral Platform provides an Adobe® Flash® swf file, which delivers video player functionality that MediaCentral UX and Interplay MAM embed dynamically in their respective web-based interfaces. Adobe Flash must be installed on the client machine.

The following table lists the supported browsers for MediaCentral UX.

Browsers for MediaCentral UX

Browser	Operating System
Google Chrome	Microsoft Windows 7, Windows 8.1
Internet Explorer 9 32-bit with Chrome Frame plug-in	Microsoft Windows 7, Windows 8.1
Safari 6.0.3 and later versions of Safari 6	Mac OS X 10.7 (Lion), Mac OS X 10.8 (Mountain Lion)
Safari 7	Mac OS X 10.9 (Mavericks)

The minimum size for a browser window is 1024 x 768 pixels. If the browser window is smaller, some UI elements might not be displayed.

Tablets for MediaCentral | UX

The MediaCentral UX tablet app is available for the following tablets and operating systems.

Device	Version
iPad®	iOS 7.0 or later
Android tablets	Android 4.1 or later

Phones for MediaCentral | UX

The MediaCentral UX mobile app is available for the following phones and operating systems.

Phone	Version
iPhone®	iOS 7.0 or later
Android smart phones	Android 4.1 or later

You can install the MediaCentral UX mobile app on Android devices with the qualified operating system versions listed in this section. Note that Avid has tested and supports the MediaCentral UX mobile app only on the following smart phones:

- Nexus 5 (OS 4.4)
- Samsung Galaxy S4 mini (OS 4.3)

To log in to your MediaCentral server from a remote location, you might need to use a virtual private network (VPN) app on your iOS or Android device. Avid tested the MediaCentral UX mobile apps using Cisco AnyConnect VPN Client.

Avid Central, Avid Central Legacy, and MediaCentral | UX Device Compatibility

The following table lists which devices (tablets and phones) and operating systems are compatible with which versions of the MediaCentral UX app. Gen A refers to devices that cannot install iOS 7 (iPad 1, iPad 4, iPhone 3GS).

Device	Avid Central 1.5	Avid Central 1.6	Avid Central Legacy	Avid Central 1.7	Avid Central 1.8	MediaCentral 2.0
Gen A, iOS 6	Supported	Supported	Supported	Not Supported	Not Supported	Not Supported
Gen B, iOS 6	Supported	Supported	Supported	Not Supported	Not Supported	Not Supported
Gen B, IOS 7	Not Supported	Supported	Supported	Supported	Supported	Supported
Android OS	Not Supported	Not Supported	Not Supported	Supported	Supported	Supported

Avid Central Legacy is based on the same functionality offered with Avid Central 1.6, which includes backwards compatibility support of ICS 1.3 and the ability to install on devices running either iOS 6 or iOS 7. Avid Central Legacy does not support connecting to ICS 1.7 and later systems.

The following table lists which MediaCentral servers are compatible with which versions of the MediaCentral UX app.

Server	Avid Central 1.5	Avid Central 1.6	Avid Central Legacy	Avid Central 1.7	Avid Central 1.8	MediaCentral 2.0.x
ICS v1.3	Supported	Supported	Supported	Not Supported	Not Supported	Not Supported
ICS v1.4	Supported	Supported	Supported	Not Supported	Not Supported	Not Supported
ICS v1.5	Supported	Supported	Supported	Supported	Supported	Supported
ICS v1.6	Not Supported	Supported	Supported	Supported	Supported	Supported
ICS v1.7	Not Supported	Not Supported	Not Supported	Supported	Supported	Supported
ICS v1.8	Not Supported	Not Supported	Not Supported	Not Supported	Supported	Supported
MediaCentral V2.0	Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	Supported

Avid Interplay Production Data Model Object Types

The following table lists which Interplay Production data model object types are supported for playback.

All rendered and checked-in effects are supported for playback.

Object Type	Status
Master clips	Supported
Subclips	Supported
Freeze-frame clips	Supported
Sequences (no effects)	Supported
Sequences (dissolves only)	Supported
Sequences (precomputes present for unsupported effects)	Supported
Sequences (without precomputes for unsupported effects)	Unsupported
Group clips	Supported†
Matte clips	Unsupported
Motion effects	Unsupported
Stereoscopic clips	Unsupported
Multi-channel audio clips	Unsupported

†Subclips created from group clips, group clips composed of subclips, and multigroup clips are currently not supported.

Media Formats Supported for Playback

The following table lists which media formats are supported for playback through the MediaCentral Playback Service for the following products:

- MediaCentral UX
- Media Composer Cloud

23.97 fps and 24 fps frame rates are supported in 1080i and 1080p formats. They are unsupported in 720p and standard definition (SD) formats.

If a format is described as "Media Composer Cloud Only," MediaCentral can read and play back this video only at very low stream counts and might drop frames during playback.

Media Format	Support for Playback
1:1 8-bit, 10-bit	All frame rates Media Composer Cloud only
Apple ProRes	Unsupported
AVC-Intra 50 1080i	All frame rates
AVC-Intra 50 720p	50, 59.94 only
AVC-Intra 100 1080i	All frame rates
AVC-Intra 100 720p	50, 59.94 only
Avid JFIF 2:1, 3:1, 10:1, 20:1	25, 29.97 only
DNxHD 1080 36-40-45	All frame rates
DNxHD 1080 115-120-145	All frame rates
DNxHD 1080 175-185-220	All frame rates
DNxHD 1080 175X-185X-220X	All frame rates Media Composer Cloud only
DNxHD 720 75-145	50, 59.94 only
DNxHD 720 110-220	50, 59.94 only 220 Media Composer Cloud only
DNxHD 720 110X-220X	50, 59.94 only 220X Media Composer Cloud only

Media Format	Support for Playback
DV 25 411	25, 29.97 only
DV 25 420	25 only
DV 50	25, 29.97 only
DV100 HD 1080i (DVCPro HD)	All frame rates
DV100 HD 720p (DVCPro HD)	50, 59.94 only
H.263 (MPEG-1 Layer 2 proxy)	25, 29.97 only
H.264 (MPEG-1 Layer 2 proxy) 800 Kbps, 2 Mbps, 3 Mbps	25, 29.97 only
HDV 1080i	All frame rates
HDV 720p	50, 59.94 only
JPEG 2000	No support
MPEG (IMX) 30	25, 29.97 only
MPEG (IMX) 40	25, 29.97 only
MPEG (IMX) 50	25, 29.97 only
MPEG-2 Long GOP	25, 29.97 only
RGB	No support
XDCAM-HD 17.5/35/50 Mbps 1080i	All frame rates
XDCAM-HD 50 Mbps 1080p	All frame rates
XDCAM-HD 17.5/35/50 Mbps 720p	50, 59.94 only
XDCAM-EX 35 Mbps 1080i	All frame rates
XDCAM-EX 35 Mbps 720p	50, 59.94 only

Media Formats Supported for MediaCentral STP

The following table lists media formats supported for send to playback (STP) operations for MediaCentral.

Media Format	Frame Rate	Notes
AVC-Intra 50 1080i	50, 59.94	
AVC-Intra 50 720p	50, 59.94	
AVC-Intra 100 1080i	50, 59.94	
AVC-Intra 100 720p	50, 59.94	
DNxHD 1080 115-120-145	23.976, 24, 29.97, 50, 59.94	
DNxHD 1080 175-185-220	23.976, 24, 29.97, 50, 59.94	
DNxHD 1080 175X-185X-220X	23.976, 24, 29.97, 50, 59.94	
DNxHD 720 60-75-145	23.976, 50, 59.94	
DNxHD 720 90-110-220	23.976, 50, 59.94	
DNxHD 720 90X-110X-220X	23.976, 50, 59.94	
DV 25 411	25, 29.97	
DV 25 420	25	
DV 50	25, 29.97	
DV100 HD 1080i (DVCPro HD)	50, 59.94	Added in ICDS V3.0
DV100 HD 720p (DVCPro HD)	50, 59.94	Added in ICDS V3.0
MPEG 30 (IMX)	25, 29.97	
MPEG 40 (IMX)	25, 29.97	
MPEG 50 (IMX)	25, 29.97	
XDCAM-HD 35 Mbps 1080i	50, 59.94	Requires STP Encode
XDCAM-HD 50 Mbps 1080i	50, 59.94	Requires STP Encode
XDCAM-HD 50 Mbps 720p	50, 59.94	Requires STP Encode
XDCAM-EX 35 Mbps 1080i	50, 59.94	Requires STP Encode
XDCAM-EX 35 Mbps 720p	50, 59.94	Requires STP Encode

Bandwidth Requirements

The following table presents single-user bandwidth requirements for MediaCentral Platform playback. The table is provided for guidance, and is not an indication of performance guarantees.

Proxy Setting (16:9, 30 fps)			Bandwidth Needs		
Width	Quality	Value	Peak	Valley	Typical
	Good	40	5.400Mbps	2.520Mbps	3.440Mbps
348 px	Better	60	6.600Mbps	2.840Mbps	4.380Mbps
	Best	80	9.000Mbps	3.480Mbps	5.690Mbps
	Good	40	6.400Mbps	2.840Mbps	4.690Mbps
400 px	Better	60	8.200Mbps	3.320Mbps	5.000Mbps
	Best	80	11.650Mbps	4.200Mbps	6.780Mbps
	Good	40	8.400Mbps	3.320Mbps	4.985Mbps
480 px	Better	60	11.400Mbps	3.880Mbps	6.300Mbps
	Best	80	15.400Mbps	5.080Mbps	9.480Mbps
	Good	40	11.295Mbps	4.179Mbps	6.529Mbps
560 px	Better	60	14.868Mbps	5.023Mbps	8.547Mbps
	Best	80	21.009Mbps	6.694Mbps	12.284Mbps
	Good	40	14.324Mbps	5.029Mbps	8.098Mbps
640 px	Better	60	18.991Mbps	6.131Mbps	10.735Mbps
	Best	80	27.011Mbps	8.315Mbps	15.616Mbps
	Good	40	17.757Mbps	5.993Mbps	9.878Mbps
720 px	Better	60	23.664Mbps	7.338Mbps	13.215Mbps
	Best	80	33.814Mbps	10.152Mbps	19.392Mbps
	Good	40	30.480Mbps	9.566Mbps	16.472Mbps
960 px	Better	60	40.980Mbps	12.046Mbps	22.405Mbps
	Best	80	59.028Mbps	16.959Mbps	33.385Mbps

The next table explains the contents in detail.

Item	Description
Width	348 pixels is the minimum player width; 960 pixels is the max. Height depends on the aspect ratio. The table assumes an aspect ratio of 16:9.
Quality	Refers to the quality setting in the Player set via the UI.
Value	Each quality setting has a numeric value. In JPEG compression literature, these are often thought of as percentages of original image (e.g. 100% is equivalent to uncompressed; 1% represents a severely degraded image).
Peak	Video with high color variation (e.g. wide shot of a crowd)
Valley	Video with low color variation (e.g. half of frame consists of a clear blue sky)
Typical	A wide range of footage (e.g. interiors, exteriors, interviews). The typical shot tends closer to valley values than peak values.
Audio	All bandwidth figures include audio consisting of 44.1 kHz sample rate x 16-bit/sample x 2 tracks = 1.4 Mbps

Installing MediaCentral Platform Services Version 2.0.1

The MediaCentral Platform Services installation package is available in two forms: as an update installation package, or a full installation package.

- **Update Installation Package:** For systems already running MediaCentral Platform Services 2.0.0.

  For installation instructions:

  - *MediaCentral Platform Services 2.0.1 Patch ReadMe*

- **Full Installation Package:** For systems running Interplay Central Services 1.8.1 (or earlier).

  For installation instructions:

  - *MediaCentral Platform Services 2.0 Upgrading Guide*

- **Full Installation Package:** For new systems.

  For installation instructions:

  - *MediaCentral Platform Services 2.0 Installation and Configuration Guide*

Be sure to download the latest version of these documents from the MediaCentral page on the Avid Knowledge Base:

http://avid.force.com/pkb/articles/en_US/readme/Avid-MediaCentral-Platform-Version-2-0-Documentation

Instructions for setting up a multi-zone configuration and Media Index are in the following internal documents:

- *Avid MediaCentral Multi-Zone Configuration Guide*
- *Media | Index Configuration Guide*

Obtaining Gluster

If you are installing Gluster, note that as of MediaCentral Platform Services v2.0 a new version of Gluster is required, including additional Gluster packages. Navigate to the download directory at gluster.org containing the GlusterFS version supported by MediaCentral Platform Services v2.0.1:

http://download.gluster.org/pub/gluster/glusterfs/3.4/3.4.0/RHEL/epel-6Server/x86_64

Download the following six packages:

- glusterfs-3.4.0-8.el6.x86_64.rpm
- glusterfs-cli-3.4.0-8.el6.x86_64.rpm
- glusterfs-fuse-3.4.0-8.el6.x86_64.rpm
- glusterfs-geo-replication-3.4.0-8.el6.x86_64.rpm
- glusterfs-libs-3.4.0-8.el6.x86_64.rpm
- glusterfs-server-3.4.0-8.el6.x86_64.rpm

Migrating User Settings from UMS to USS During an Upgrade

Backing up and restoring system settings and the MCS database is a regular part of the upgrade process. To recap, you back up the system settings and database, upgrade the system, then restore the settings and data using the *system-backup* script (located on the MCS Installation USB key).

During an upgrade to MCS 2.0, an additional step is required. Once you have restored the MCS database, and *before* logging in via the MediaCentral | UX user interface, you must migrate user settings from the UMS database to the USS database (new in 2.0). This is done using the *avid-uss-import* script, which must be run once only on the master node.

Instructions are provided in the *MediaCentral Platform Services 2.0 Upgrading Guide*.

Resetting Layouts After Upgrading from ICS V1.6 or Earlier

After upgrading from Interplay Central Services V1.6 or earlier, users who had previously signed in will see the Assets pane and Search panes from their most recent session. However, the Assets tabs and Search panes are not usable.

This problem does not occur when upgrading from ICS V1.7 to MediaCentral Platform V2.0.

To reset the Assets pane and Search panes, do one of the following:

▶ Close all open Assets tabs and Search panes and reopen them.

▶ Reset the layout by selecting Reset Layout from the Layout selector.

Media | Distribute v2.0.1 Patch Release

A patch release for Media Distribute is available that fixes a problem when publishing media using Telestream Vantage v6.3. Customers using this version of Vantage should upgrade their systems with the following patches:

• avid-mpd-2.0.0.20140915_135920-avid.el6.1.noarch.rpm

• avid-media-central-mpd-2.0.0.20140915_135920-avid.el6.1.noarch.rpm

For information on upgrading Media Distribute, see the following topics in the *Media | Distribute Installation and Configuration Guide*: "Upgrading Media | Distribute on the Master Node" for cluster configurations or "Upgrading Media | Distribute on a Server" for single-node configurations. The patch is compatible with Avid MediaCentral Platform v2.0, v2.0.1, and v2.0.2.

Limitation When Installing Media | Distribute

(RE-730) The Media Distribute dbmanage.sh script fails when run in a cluster environment. This script is run during the installation process, and is intended to create a database user and apply the proper database schema.

Workaround: After the installation, fix the script by editing it with a text editor, then run it manually with special parameters.

1. Open the /usr/share/avid-mpd/dbmanage.sh file in a text editor, and comment out the following block of code at the beginning of the script (lines 3 to 10):

```
service postgresql-9.1 status >/dev/null 2>&1
if [ $? -eq 0 ]; then
  echo "Found running a database PG on localhost"
else
  echo "Not found running a database PG on localhost"
  service avid-mpd clean-restart
  exit 0
fi
```

Comment out each line by adding the # character at its beginning, as shown below:

```
# service postgresql-9.1 status >/dev/null 2>&1
# if [ $? -eq 0 ]; then
#   echo "Found running a database PG on localhost"
# else
#   echo "Not found running a database PG on localhost"
#   service avid-mpd clean-restart
#   exit 0
# fi
```

2. Save and close the file.

3. Run the following commands on the master node only:

```
/usr/share/avid-mpd/dbmanage.sh user create
/usr/share/avid-mpd/dbmanage.sh schema create mpd
```

Security Updates

Two security updates for RHEL 6.5 have been tested and approved by Avid:

- Security update to address an OpenSSL vulnerability
- Security update to address a Bash code injection vulnerability

Open SSL Security Update

Red Hat has issued a security advisory addressing the OpenSSL vulnerability known as the "Heartbleed" bug, which affects RHEL v6.5. A complete description of the security vulnerability and solution is available at the Red Hat web site:

https://rhn.redhat.com/errata/RHSA-2014-0625.html

RHEL v6.5 is required for MediaCentral v1.8.1 and MediaCentral v2.0. A procedure to install the security update is included as part of the installation process in the following documents:

- *Avid Interplay Central Services Version 1.8.1 Patch ReadMe*
- *Avid MediaCentral Platform Services Installation and Configuration Guide V2.0*

If necessary, you can also install this patch after MediaCentral installation is complete. In this case, you need to schedule downtime to install the update. Make sure you shut down and reboot the system properly.

Bash Code Security Update

Red Hat has issued a security update for the Bash code injection vulnerability known as "Shellshock." This Red Hat vulnerability might affect both Interplay Central / MediaCentral and iNEWS servers running Red Hat Enterprise Linux. For information on installing this update, see the following Knowledge Base article:

http://avid.force.com/pkb/articles/en_US/faq/Bash-Code-Injection-Vulnerability-CVE-2014-716 9

If possible, install this patch after installing RHEL but before installing MediaCentral.

New Features in Version 2.0

This topic provides an overview of the major new features in MediaCentral | UX (the web and mobile applications) and MediaCentral Platform.

These features are fully described the following documents:

- *Avid MediaCentral | UX User's Guide*
- *Avid MediaCentral | UX Administration Guide*
- Avid MediaCentral | UX Help (includes information from both the User's Guide and the Administration Guide)

Rebranding

For version 2.0, Interplay Central has been renamed Avid MediaCentral. More specifically, the following components have been renamed:

- Avid MediaCentral | UX is the Web application and mobile applications
- Avid MediaCentral Platform is the software infrastructure that supports MediaCentral services.
- MediaCentral | Distribution Service coordinates jobs with Interplay | Production Services for send to playback.

Also for version 2.0, Interplay Pulse has been renamed Media | Distribute.

The pipe character is used in some Avid product names, such as MediaCentral | UX. In documentation, the pipe is used in product names when they are in book titles, headings or at their first use in text.

Multi-Zone Workflows

Feature	Description
Multi-zone configuration	Starting with MediaCentral v2.0, administrators can configure two or more MediaCentral zones to work together in the following workflows: • Multi-zone user management • Multi-zone indexed search • Multi-zone media asset delivery Multiple zones are connected (or *federated*) through the Avid MediaCentral Platform bus. For information about configuring multiple zones, see the *Avid MediaCentral Platform Services Installation and Configuration Guide*.
Multi-zone user management	A single user authentication database is used to manage users across multiple MediaCentral zones. An administrator signed into one zone can manage users and roles for all other zones. For more information, see "Managing Multi-Zone Environments" in the *Avid MediaCentral	UX Administration Guide*.
Multi-zone indexed search	Media	Index provides a new search engine that allows users to search a central index for multiple Interplay Production databases over multiple zones. For more information on using indexed search, see "Searching for Assets" in the *Avid MediaCentral	UX User's Guide*.
Multi-zone media asset delivery	If your MediaCentral server is part of a MediaCentral multi-zone environment, you can search Interplay Production databases across all zones, view remote assets, and deliver them to your local Interplay Production workgroup. For more information, see "Understanding MediaCentral Delivery" in the *Avid MediaCentral	UX User's Guide*. ▤ *MediaCentral zones are not related to Avid ISIS zones.*

Editing

Feature	Description
J-K-L shuttling with focus in Sequence pane	You can now shuttle using the J-K-L keys when you are working in the Sequence pane.
Customized speed for J key and L key	An administrator can set the speed of the L key (forward) and J key (backward). For more information, see "MediaCentral System Settings" in the *Avid MediaCentral	UX Administration Guide*.
Option to view media at higher quality	An administrator can set the following: • Maximum size of the proxy video. This is especially useful if a user wants to work with a large Media viewer. • Option to display high-resolution video (for a multi-resolution asset). A MultiRez button in the Media pane lets you view the highest resolution video that is available for an asset. For more information, see "Configuring Image Quality" in the *Avid MediaCentral	UX Administration Guide*.
Adjusting buffer size for latency	MediaCentral now automatically adjusts to avoid pauses in playback (latency). If you find an unusual amount of latency, you can adjust the MediaCentral player's buffer to improve the playback. For more information, see "Adjusting for Playback Latency" in the *Avid MediaCentral	UX User's Guide*.
Transcode option	The Sequence Mixdown option has been renamed and expanded to include all available Interplay Transcode modes. For more information, see "Transcoding Assets" in the *Avid MediaCentral	UX User's Guide*.

Mobile Applications

Feature	Description
Support for Android devices	The MediaCentral UX mobile application is now available on Android devices. This version of the Android app allows you to browse and view iNEWS rundowns and stories. For more information, see "MediaCentral	UX for Android Devices" in the *Avid MediaCentral	UX User's Guide*.
Other new features	The MediaCentral UX mobile application for iOS devices now has been rebranded for MediaCentral UX v2.0. The app also includes a number of bug fixes.

System Settings

The following table describes two new Player settings.

Feature	Description
Variable Speed Playback	Controls the speed of the L key (forward) and J key (backward) for variable speed playback (J-K-L). See "Media Central System Settings" in the *Avid MediaCentral	UX Administration Guide*.
Image Quality Settings	Defines the image quality, which you set for a user group. See "Configuring Image Quality" in the *Avid MediaCentral	UX Administration Guide*.

The label and description for an iNEWS setting has been changed.

Feature	Description
iNEWS Server: System ID	The system ID for an iNEWS cluster, which is set in the iNEWS /site/system file. Using this ID ensures load balancing and failover if necessary. Do not include a suffix such as -a or -b. Ensure that all MediaCentral servers can resolve the IP addresses of systemID-a, systemID-b, and if present, systemID-c. Address resolution can be through DNS or hosts file.

Media | Distribute

Feature	Description
Rundown queue scheduling	You can schedule a story from a queue to be published at a specific time. If you sync the story with iNEWS, the scheduled date and time in Media Distribute matches the scheduled date and time in iNEWS. Changes to the schedule in iNEWS are automatically reflected in Media Distribute. For more information, see "Scheduling the Delivery of Content for Publication" in the *Media	Distribute User's Guide*.
Publishing images to Facebook and Twitter	You can publish images to your Facebook and Twitter accounts, along with video and text.

User Interface

Users now have the option of selecting Italian for the user interface. Other supported languages are French, German, Spanish, Japanese, Korean, and Simplified Chinese. Select a language from the General tab of the User Settings.

Port for MediaCentral Distribution Service

MediaCentral Distribution Service (MCDS) v3.1 now uses HTTP port 8890 instead of 8080. This allows MCDS to be installed on the same server as the Media Services Engine without a port conflict.

Earlier versions of this ReadMe incorrectly referred to the new port as 8090 instead of 8890. The Avid MediaCentral Platform Services V2.0 Installation and Configuration Guide *has this incorrect information, which will be corrected in a future version.*

Additional Send to Playback (STP) Format

XDCAM-HD 35Mbs 1080i/59.94 is now qualified for Send to Playback. See "Media Formats Supported for MediaCentral STP" on page 15.

Fixed in Version 2.0.1

(EA-2217) Media generated by NL Technology devices (and possibly other third-party vendors) would not play in MediaCentral UX.

(MPLAY-1503) iOS encoding processes failed to halt and restart correctly resulting in playback failures.

(MPLAY-1504) Rendering was interrupted after approximately two minutes resulting in long clip load times and sluggish scrubbing.

(MPLAY-1484) Auto-ingested Panasonic P2 assets would not play.

(OS-1894) In Interplay-only deployments users could not open assets by double-clicking in the asset list.

Fixed in Version 2.0

(OS-1586) If you drag a slider in the Audio pane to +12dB and then release the mouse, the slider remains at the correct location.

(MA-1655) If you insert a production cue in an iNEWS story, then click the Refresh button in the Queue pane toolbar, you can now save the story.

(EA-1257) Adding markers to a clip that crosses midnight does not work correctly.

(OS-1588) Restrictions are now displayed properly when switching angles in a multicamera basic sequence.

(ICI-205, UDevC00184095) STP workflows with AMA-based clips (for example, XDCAM HD 50Mbits 1080i60) are now supported.

(OS-1602) In a script sequence, if you trim a clip using the context menu, audio-only clips in subsequent timing blocks might jump to incorrect positions.

Additional Documentation

This section includes information that is incorrect or not included in the v2.0 documentation. Also see the following:

SpeedTest Pane Not in the Final Product

The MediaCentral | UX User's Guide includes a description of the SpeedTest pane. This feature is not in the final product.

ProRes Not Supported for Consolidate Service

You cannot use MediaCentral Delivery to deliver Apple ProRes media if you select "Deliver from Mark In to Mark Out." The Consolidate service, which encodes new media for delivery, does not support ProRes as a source or target resolution.

ProRes is not supported for playback in MediaCentral UX.

Audio-Only Angles in Group Clips

MediaCentral supports group clips that include audio-only source clips (angles). However, at least one source clip must include video. If you select a video angle in the Media viewer, all clips with audio tracks are available for track mapping.

New Pane Menu Icon

For MediaCentral v2.0, the Pane Menu icon has been changed to the icon in the following illustration:

Illustrations in the documentation use the old icon.

Rundown Layout in iNEWS-only Configurations

For an iNEWS-only configuration, the Rundown layout is the only available layout. This is as designed. In ReadMe V1.8 and previous versions of ReadMe V2.0, this was documented as a limitation, because the Story layout was not available (EA-1866).

Double-Sided Trimming Leaves a Single Frame

If you use double-sided trimming, and try to completely overwrite the previous or next segment, one frame will remain in the overwritten segment. You cannot completely delete a segment by using double-sided trimming. To delete the segment, right-click it and select Delete, or use another deletion method.

Setting up Media Distribute Roles when Upgrading from v1.8 to v2.0

If you are upgrading from Media Distribute v1.8 to v2.0, you need to add the Media | Distribute layout to the Advance Producer role and to modify the legacy Interplay Pulse Producer role. For more information, see the *Media | Distribute Installation and Configuration Guide*.

Default Search Type in Search Bar

When you search using the Search pane, you can select either the federated search or the indexed search option (you must have an Advance license and your databases are configured for indexed search to use indexed search). You can also use the Search bar to conduct a search. The Search bar uses the federated search option by default.

Transcode Mixdown Profiles

For MediaCentral UX v2.0, the user setting for selecting a mixdown profile was removed. It is no longer needed because MediaCentral UX remembers the last selected Transcode profile. If a user always uses the same Transcode mixdown profile, it is automatically selected in the Transcode dialog box.

Removing the GlusterFS Metadata Cache Replication Volume

As part of some cluster deployments, the *MediaCentral Platform Services 2.0 Installation and Configuration Guide* provides instructions for replicating the cluster file caches using Gluster, an open source software solution. The instructions include creating a metadata cache directory for Interplay | MAM deployments with MPEG-1 browse proxies.

The use of Gluster to replicate metadata has been deprecated due to its negative impact on performance. Please delete the GlusterFS metadata volume from all your server nodes in all affected deployments. Once complete, metadata information is loaded into RAM and is no longer replicated across other nodes.

To remove the metadata volume:

1. Unmount the metadata cache:

   ```
   umount /cache/metadata
   ```

   If you get an error that the volume is busy, put the node into *standby* mode, run the unmount command again and bring the node back online:

   ```
   crm node standby node <hostname>
   umount /cache/metadata
   crm node online node <hostname>
   ```

2. Edit the Linux file system table to remove metadata entries so the volume does not automatically mount after a reboot:

   ```
   vi /etc/fstab
   ```

3. Comment out the metadata entry by placing a pound ("#") character at the beginning of the line:

   ```
   # hostname:/gl-cache-md /cache/metadata glusterfs defaults,noauto 0 0
   ```

4. Save and exit the file:

   ```
   <Esc>:wq
   ```

5. Similarly, edit the *local run command* (rc.local) file:

   ```
   vi /etc/rc.d/rc.local
   ```

6. Comment out the metadata entry:

   ```
   # /bin/mount /cache/metadata
   ```

7. Save and exit the file:

   ```
   <Esc>:wq
   ```

8. Repeat the above steps on the other servers in the cluster.

9. Identify the master node using the cluster resource monitoring utility:

   ```
   crm_mon
   ```

   The master node is identified by the line starting with "AvidClusterIP".

10. Delete the GlusterFS metadata volume from the master node:

    ```
    gluster volume delete gl-cache-md
    ```

    Metadata is no longer replicated across nodes in the cluster. Instead, it is generated by each node on an as-needed basis.

Multi-Zone Design Limitation

There is currently an important design limitation to take into consideration when deploying a multi-zone environment. Multi-zone features the ability to create users with different roles in each zone. However, if you dismantle the multi-zone environment, all roles for multi-zone users are removed (login credentials remain). If you later use the same user names on independent systems, you need to manually re-assign the roles on each system.

Advance Licenses for Multi-Zone Workflows

The tables describing Base and Advance licenses published in the *Avid MediaCentral | UX Administration Guide* should list multi-zone workflow features as requiring an Advance Central license. The following tables have been updated.

Licenses for MediaCentral UX Web Application with iNEWS

License Type and Configuration	Layouts Available	Panes Available	Major Features Available
Base Central with iNEWS configured (KEY-J)	Rundown	• Launch pane • Assets pane • Queue/Story pane • Project/Story pane • Search pane • Help pane • Progress pane • Messages pane	• Access to iNEWS databases • Creating and editing stories • Sending iNEWS links • Searching for stories
Advance Central with iNEWS and Interplay Production configured (KEY-G)	All layouts	All panes listed above.	All available with Base Central plus: • Access to Interplay Production database • Viewing and editing media • Sending links for media assets • Searching for media assets • Remote playback, delivery, and searching through Media	Index in a multi-zone configuration

Licenses for MediaCentral UX Web Application for Interplay Production

License Type and Configuration	Layouts Available	Panes Available	Major Features Available
Base Central with Interplay Production configured (KEY-J)	Cut, Log	All panes except Queue/Story pane and Project/Story pane.	• Access to Interplay Production database • Viewing media • Creating and editing basic sequences • Viewing advanced sequences (read-only) • Creating and editing markers and restrictions
Advance Central with Interplay Production and iNEWS configured (KEY-G)	All layouts	All panes	All available with Base Central plus: • Access to iNEWS databases • Creating and editing stories • Searching for stories • Creating and editing advanced sequences • Recording voice-overs. • Remote playback, delivery, and searching through Media | Index in a multi-zone configuration

If you install and configure Media | Distribute, additional panes and features are available. For more information, see the *Media | Distribute User's Guide*.
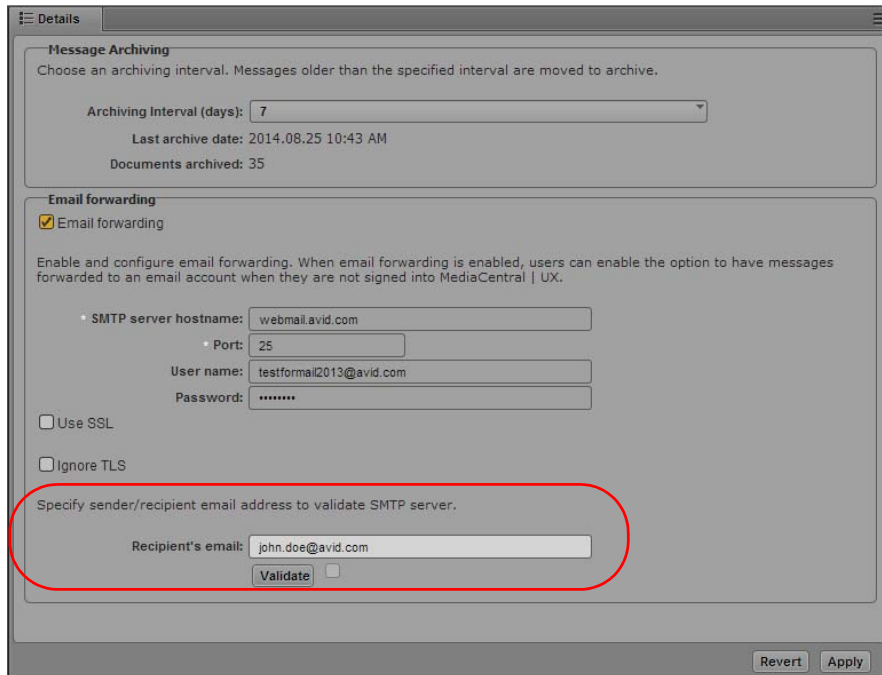
In a multi-zone configuration, Advance licenses are required at the user level, but not at the system level. A MediaCentral user needs an Advance license to access a remote MediaCentral system, but the local MediaCentral system does not need a license to access the remote system.

Validating E-mail Forwarding

You can now validate your e-mail forwarding settings in the MediaCentral UX System Settings by testing the configuration with a valid e-mail address.

To validate e-mail forwarding:

1. In the Recipient's e-mail field, type a a valid e-mail address to send a test e-mail message.

2. Select Validate to ensure that your SMTP configuration is correct.

   A test e-mail is sent to the address specified in the settings.

   An error message informs you if the validation process fails. If you receive an error message, try entering your configuration information again.

Restarting the Messenger Service

When you change your MCS installation in a multi-zone configuration — for example, if you change your initial setup or if you add or remove a zone — you must restart the messenger service on all nodes in your configuration.

To restart the messenger service, do the following:

▶ Log in to each node of the cluster and type the following command:

```
service avid-acs-messenger restart
```

Indexed Search Examples

The Media Index search engine uses language analysis and fuzzy matching to help find content even if the actual text is slightly different. This allows you to find words with incorrect spelling and word variations.

Media Index offers two search modes for different levels of complexity and expressiveness: simple syntax (the default level) and advanced syntax, which you can use for more control over the search results.

Simple Search Syntax

The simple syntax indexed search searches for all given words in an asset, adding a small amount of flexibility to compensate for typographical errors. It also makes use of the language analysis to find different word variants, as illustrated in the following example:

Search expression	Matches	Does not match
quick	"quick", "quic", "quik" "quick brown fox"	"quak"
quick blue	"quick blue fox", "blue foxes run quick", "quik blu"	"slow blue"
fly	"flew", "flying", "fli"	"flyte"
qui	"quick"	"quack"

Advanced Search Syntax

The advanced syntax exposes more features but by default it is not as tolerant as the simple syntax. For example, it does not automatically compensate for spelling mistakes but instead expects exact matches. You can use different operators to improve your search requests, and you can combine the operators to create powerful search expressions. For a description of the operators available for the advanced search syntax, see the "Searching for Assets" chapter of the *Avid MediaCentral | UX User's Guide*.

Operator	Search expression	Matches	Does not match
Fuzzy (~)	quick~	quic, quakc, quick, quite	uid, kik
By default the fuzzy operator allows for two different characters in a word, but you can specify more.	quick~3	kwic, black	quantum
Wildcard (* and ?)	qui*	quit, quick, quiz	quack, kick
	qui?	quit, quiz	quick
	?ick	tick, sick	quick
Proximity ("*[term]*"~*[numeral]*)	"quick fox"~1	"quick brown fox"	"quick and clever fox"
Finds all cases where there words are inside the given distance from each other. The number parameter is the number of words separating the search terms.	"quick fox"~2	"qucik brown fox", "quick and clever fox"	"quick and slightly bluish fox"
Boolean prefixes (+ and -)	+quick -blue +fox	"quick brown fox", "fox is quick"	"quick blue fox"

Comparison of Simple and Advanced Search Syntax

Simple search syntax uses fuzzy search by default. This means that it finds all variations of a search term that differ by one character. Advanced search syntax using one wildcard only finds terms that vary the single character represented by the wildcard.

Search term	Matches
Simple syntax: test	best, rest, tet, tes, tast, text, testa, est
Advanced syntax: t*st	test, tast, tist, trst

In this example, the simple syntax returns a larger set of search results than the advanced syntax.

Interplay Services in the Media Services and Transfer Status Tool

A Send to Playback (STP) job submitted in Media Central might use Interplay Transcode and STP Encode to prepare the STP job for transfer. When this occurs, the Transcode and STP Encode jobs are listed in the Media Services and Transfer Status Tool while processing, but are removed from the jobs list after processing is complete. This behavior is different from typical job status reporting, in which jobs persist after processing is complete.

A similar situation occurs for a Delivery job that uses Mark In to Mark Out. These jobs use Interplay Consolidate and Interplay Production Services Automation to prepare the files for delivery. An Interplay Consolidate job is deleted after processing is complete. An Interplay Production Services Automation job persists.

For both STP and Delivery, progress of the entire job is displayed in the MediaCentral Progress pane.

Limitations and Defects Found in Version 2.0

For the latest information and possible limitations for multi-zone and Media Index configuration, see the following documents:

- *Avid MediaCentral Multi-Zone Configuration Guide*
- *Media | Index Configuration Guide*

These documents are currently for Avid internal use only.

Delivery

➤ **Bug Number:** ICI-312. If a user tries to deliver an asset using Mark In to Mark Out, and a Consolidate profile does not exist in the requested resolution, the user must be a member of the Administrators group in Interplay Production. If the user is not, the job fails with the error " java.lang.IllegalArgumentException: Service:com.avid.dms.consolidateservice does not contain a profile named:default_for_delivery_*resolution*.

Workaround: Create a Consolidate profile that for the requested resolution.

iNEWS Community

➤ **Bug Number:** MA-1560. If you try to open a folder in an easy/key locked queue on a community server as a non-owner or non-admin user, the folder does not open. The error message "The folder has been deleted." is displayed.

➤ **Bug Number:** MA-1574. If you search for Stories, relevant results from Search Queues on remote community servers are not displayed.

MediaCentral Help

➤ **Bug Number:** JP-1208. The AdBlock extension in the Chrome browser can prevent Help system buttons (Contents, Index, Search, Previous Topic, and Next Topic) from displaying. Chrome extensions are not supported in MediaCentral UX.

Workaround: Disable AdBlock for the page or the domain.

Media Composer

➤ **Bug Number:** ICI-300. In an Avid editing application, if you open a sequence created in MediaCentral that uses center pan, you cannot adjust the audio panning.

➤ **Bug Number:** No number. If you use the MediaCentral Messages window in Media Composer to send an attachment, you might receive an error message stating that the asset you want to attach is not checked in to Interplay Production even if it is checked in, or that you do not have the necessary permission to view the asset even if you do have the proper permissions set.

Workaround: Log in to MediaCentral UX to set your Interplay Production user credentials, and then open the MediaCentral Messages window in Media Composer and attach the asset to your message.

To sign in to MediaCentral UX:

1. Open a supported browser and type the URL of your MediaCentral server.

   The URL is the computer name of the server.

2. At the sign-in screen, type your user name and password.

3. Click Sign In, or press Enter or Return (Macintosh).

To add an asset to a message in the MediaCentral Messages window in Media Composer:

▸ Click a clip in a bin and drag it to the asset area of the message:

Interplay | Consolidate

➤ **Bug Number:** UDevC00186648. The Consolidate Service fails to start if there is no dongle attached. This happens because the application runs a dongle check even though a dongle is not required. **Workaround:** Install Interplay Consolidate V3.1.1 (patch installer).

Interplay | Media Services

➤ **Bug Number:** UDevC00185554. If you install any of the following Media Services providers, you must also install Interplay Access v3.1 on the same system:

- Interplay Transcode v3.1

- STP Encode v3.1

- Interplay Consolidate v3.1

If you do not install Interplay Access, a job will fail with the error message "Fail to check out moniker."

Markers

➤ **Bug Number:** EA-2131. In some cases, adding a large number of markers to a long clip, video playback slows down. **Workaround:** Restart the application.

Player

➤ **Bug Number:** MPLAY-1453. Sequences containing dissolves created and rendered in Media Composer result in a vertical shift at the transition points during playback in MediaCentral. The defect is visible in low-res sequences only.

➤ **Bug Number:** MPLAY-1319. Saving a frame from a sequence with a particular aspect ratio (e.g. 16:9) can result in an image with a different aspect ratio (e.g. 4:3) being saved to disk. The Save as Image feature saves in the aspect ratio of the underlying image, not in the current aspect ratio of the Player.

Restrictions

➤ **Bug Number:** EA-2130. If a sequence includes a restriction, and you mix down the sequence, you cannot delete the restriction on the mixed-down sequence.

Search

➤ **Bug Number:** JP-1128. If you perform a search using the search bar, detach and drag the search results to a pane, then try to open a new Search pane, the pane does not open. The message "Loading" remains displayed. **Workaround:** To display the search results in a pane, open the Pane Menu in the search bar results and select Detach Search.

Stories

➤ **Bug Number:** MA-1724. If you edit a story, then click the Refresh button, the story data is not loaded in the story line. If you navigate to another story, an error is displayed: "Failed to stave story and release edit-lock." The story remains locked.

Thumbnails Pane

➤ **Bug Number:** MA-1725. If you add a new marker to a clip while another user has the Thumbnails pane open, the other user can refresh the Thumbnails pane, but will not see the new marker until you refresh the Markers pane.

Chrome Frame Plugin

➤ **Bug Number:** JP-1174. If you connect to the MediaCentral server through Internet Explorer, you need the Chrome Frame plug-in. The URL for the plug-in on the MediaCentral sign-in screen is no longer valid. Use this URL:

http://dl.google.com/chrome/install/GoogleChromeframeStandaloneEnterprise.msi

Mobile Apps

➤ **Bug Number:** LIZ-921. If you open a story in Presenter mode, and the previous or next story in the queue is deleted in the Web application, when you swipe left or right in Presenter mode the mobile app crashes.

➤ **Bug Number:** LIZ-1038. If you have content displayed in the app, then change the UI to a different language and try to interact, the mobile app crashes.

Limitations and Defects Found in Earlier Versions

Limitations and defects in are organized in the following sections:

Limitations and Defects Found in Version 1.8

Interplay MAM

The Interplay MAM UI displays a fixed clip duration during Edit While Capture (EWC) when an End of Content (EOC) value is set. It ought to display a value that changes as the in-progress capture advances. The result is you might think a clip is fully captured when it is not.

Workaround: None.

Layouts

➤ **Bug Number:** EA-1866 . For an Interplay Production-only configuration, the Log layout is the only available layout. Both the Log layout and the Cut layout should be available.

For an iNEWS-only configuration, the Rundown layout is the only available layout. This is as designed.

Limitations and Defects Found in Version 1.7

Assets Pane

➤ **Bug Number:** CORE-3991. When you sign out and sign back in to MediaCentral UX, the Assets tab does not retain its history. For example, if you open a folder from the root of the Interplay asset tree, you cannot use the back arrow to navigate back to the root. **Workaround:** Open an new Asset tab from the Launch pane

Markers

➤ **Bug Number:** EA-1444. Using Ctrl+Shift changes text direction (right-to-left or left-to-right). This prevents use of the following keyboard shortcuts:

- Ctrl+Shift+left or right arrow to select words

- Ctrl+Alt+Command+V to paste without formatting on MacOS

Playback

➤ **Bug Number:** MPLAY-1171. Loading a Master Clip or sequence created using the Media Composer Avid Media Access (AMA) workflow and FrameFlex tool results in an "Asset not supported" message appearing in the MediaCentral UX media pane.

Workaround: In Media Composer, transcode the Master Clip or sequence with the "Apply reformatting option (compatibility mode)" and "Apply color transformation (compatibility mode)" options selected and check in the transcoded sequence. The transcoded sequence loads as expected in MediaCentral UX. Alternately, to retain FrameFlex information in the Master Clip, render the sequence for use in MediaCentral UX. You cannot render a Master Clip itself.

Sequences

➤ **Bug Number:** None. If the Audio - Storyline audio patching settings in the Interplay Administrator are not correctly set, you cannot save an advanced sequence. The following error message is displayed: "net.nxn.JXDK.CommandFailedException: XML returned from getMetadata is empty."

Make sure that these settings are correct. Each track must only be used once. For example, do not set both the NAT track and the VO track to A1.

In the Audio - Source audio patching settings, the same track can be used multiple times.

➤ **Bug Number:** EA-1582. If you edit a clip that contains markers into a sequence, but you do not have the proper permissions set in the Interplay Administrator, the operation fails with an error message: "net.nxn.JXDK.ServerCommandFailedException: Error message from the server: "Insufficient permissions." (0x89990301)."

Workaround: The administrator needs to grant the user the permission "Can create locators." It is not necessary to grant the permission "Can modify locators." In this way you can allow a user to edit clips and sequences that contain markers but not modify or delete them. These settings are in the Instinct/Assist User Settings view of the Interplay Administrator.

Chrome Browser

➤ **Bug Number:** CORE-3856, JP-6. Pressing the Alt key plus another key in the Chrome Browser causes a beep. See https://code.google.com/p/chromium/issues/detail?id=105500

Mobile Apps

➤ **Bug Number:** LIZ-864. Stories containing segment breaks display corrupted text in the segment break label when the language for the mobile device is set to Chinese, Japanese, or Korean.

Limitations and Defects Found in Version 1.6

All limitations and defects published in *Interplay Central Services V1.6 ReadMe* have been fixed.

Limitations and Defects Found in Version 1.5

Playback

Flash Plug-in Regression: A Flash plug-in release introduced playback regressions. Subsequent versions of the Flash plug-in have addressed the issue. If you are experiencing one or more of the following:

- Long time to load asset
- Audio/video synchronization drift

Check the Flash plug-in version (right-click to view the version number in the context menu). If the version is 11.5.31.137, upgrade to the latest version of the plug-in.

➤ **Bug Number:** MPLAY-1571. (MediaCentral) Some AAF timelines do not relink EVS XT media properly in MediaCentral and cannot be loaded. **Workaround:** None.

➤ **Bug Number:** MPLAY-2421. (Interplay MAM) Stepping through an asset can result in incorrect frame advances in mixed frame-rate EDLs. **Workaround:** None.

➤ **Bug Number:** MPLAY-904, EA-1956. (MediaCentral UX) Clips with created in Media Composer with a horizontal effect fail to load. **Workaround:** None.

➤ **Bug Number:** MPLAY-718. (MediaCentral UX) Repeatedly clicking the "refresh" button in the Ingest Folder during EWS results in "media offline." **Workaround:** Clear the cache by opening a shell on the MediaCentral Platform server and perform a "service avid-all reconfigure" at the command line.

➤ **Bug Number:** MPLAY-686. (MediaCentral UX) EWC playback clip length might be incorrect, resulting in black frames at the end of the clip. **Workaround:** Wait for EWC to complete and trigger an update media status.

➤ **Bug Number:** MPLAY-572. (Interplay MAM) In some cases, audio drift on playback can occur (approx. 1 second over 3 minutes). **Workaround:** None.

➤ **Bug Number:** MPLAY-571. In some cases, poor playback of partially loaded clips can occur, when seeking. **Workaround:** None.

Audio

➤ **Bug Number:** OS-372, EA-879. MediaCentral UX can load clips with up to 24 tracks, but you can monitor only the first 16 audio tracks of a clip. After loading a clip with more than 16 tracks, an error message is displayed for a few seconds, then disappears.

Workaround: Disable Dynamic Relink in the Playback Service group of the MediaCentral UX System Settings layout. Note that this affects all Dynamic Relink operations in MediaCentral UX, such as send to playback (STP).

Group Clips

➤ **Bug Number:** ICI-9. Playback of a 23.976p group clip in multi-angle view might stutter or stop the first time you load the clip.

Workaround: While in multi-angle view, park at the beginning of the clip and wait for a few seconds before playing back. If you encounter a stuttering during playback, pause and wait for approximately 20s before playing back again.

➤ **Bug Number:** None. A Media Composer user can add markers to a group clip, but these markers do not persist in the master clips. If you open a group clip with markers checked in from a Media Composer system, MediaCentral UX adds the markers to the underlying master clips. If the group clip is then checked back in, markers are removed from the group clip and copied to the master clips.

Sequences

➤ **Bug Number:** EA-490. If you drag an MediaCentral UX advanced sequence from the Interplay Window to a bin, the bin displayed a custom field named "sequencejson." This column does not include useful information.

⚠ **Do not edit this field or the sequence could be corrupted.**

Searching

➤ **Bug Number:** EA-698. An MediaCentral UX administrator can specify the maximum number of items displayed in the Search pane at a time (System Settings, General). When the user performs a search and the search results to be displayed are more than the number specified and the user sorts the results, then the sorting might not show all assets found by the server. Especially folders might not be shown.

Restrictions

➤ **Bug Number:** None. If a sequence contains restricted material and the restricted segments are trimmed or deleted, the DRM column and the State column continue to show the restricted icon.

Chrome Browser

➤ **Bug Number:** MPLAY-917. (Chrome browser) In the Media viewer, if you right-click to open the Flash context menu and leave it open for approximately 15 seconds, a message box is displayed that the page has become unresponsive.

Workaround: Close the context menu. The warning is hidden and the player remains stable.

Limitations and Defects Found in Version 1.4

All limitations and defects published in previous versions of the ReadMe have been fixed.

Limitations and Defects Found in Version 1.3

Edit While Capture

➤ **Bug Number:** ICML-2236. When editing a clip while it is still being captured, you cannot create a subclip that includes material close to the ingest limit. Generally, there is a gap of about 15 minutes within which this is not possible (but it may be longer, depending on the resolution).

Workaround: If you attempt to make a subclip that is too close to the ingest limit, a message appears indicating the timecode limit at which subclip creation should be possible. The timecode in the message is Absolute; that is, it is given as the time offset from the first frame in the asset or sequence. You have two choices. You can wait a few minutes until more media has been ingested and try again. Or, you can create a subclip shorter than the timecode presented in the message. To simplify subclip creation, use the timecode display menu button in the Media pane to set the timecode presentation to Absolute.

Playback

➤   **Bug Number:** MPLAY-1669. (MediaCentral UX) Sometimes when you capture clips and monitor them while capture is occurring, the final clip after recording is complete has a few extra black frames added. **Workaround:** Choose Update Media Status from the player drop-down options menu.

➤   **Bug Number:** MPLAY-1571. (MediaCentral UX) Media captured to Interplay by an EVS device cannot be opened by MediaCentral UX. **Workaround:** Open the captured asset using Media Composer and check it in again.

➤   **Bug Number:** MPLAY-1581. (All) The operating system reports memory usage for all Flash activity, and based on this value, the ICPS Flash player manages assets in its local cache. If you have other instances of Flash open (for example a You Tube player), ICPS asset caching will be less efficient. Workaround: Close all other instances of Flash.

➤   **Bug Number:** MPLAY-1313 . (MediaCentral UX) Panning audio full right in Mono mode reduces the volume of the audio. **Workaround:** None.

Sequences and Sequence Pane

➤   **Bug Number:** ICML-1934. If you open a script sequence created in Interplay Central V1.2 directly from the Asset list, the sequence opens as a read-only sequence and you cannot edit it. If you open the script sequence through an iNEWS story, you can edit the sequence.

Subclips

➤   **Bug Number:** ICML-1845. If you add a subclip to the sequence timeline, you cannot trim the subclip outside the borders of the subclip.

   Workaround: Load the original master clip (optionally, using Match Frame) and create a new subclip that includes the material that you want.

Send to Playback

➤   **Bug Number:** ICTD-316, UDevC00176883. If a sequence includes a title effect, and you attempt to send it to a playback device, the job fails with an error message "Remote STP process failed."

➤   **Bug Number:** WANW-2768. Send to playback of a Long GOP sequence fails if the send to playback profile specifies Direct Out and the sequence contains an odd number of audio tracks. **Workaround:** Use a profile with Audio Target Mixdown Mode set to Stereo.

Assets Pane

➤ **Bug Number:** IPC-1936. If a sequence contains a video dissolve created in Interplay Central v1.3, the State column in the Assets pane does not show the supported for playback icon (green arrow). These sequences are supported for playback. If a dissolve was created by Media Composer and has not been rendered, the icon is correctly displayed.

Apps for iPad and iPhone

➤ **Bug Number:** ICMOB-1108. If a user account is created with the option "User must change password on next sign-in," the user cannot sign-in to the MediaCentral UX Mobile or Tablet app. No message is displayed.

Chrome Frame and Interplay Explorer 9

➤ **Bug Number:** CORE-1643. If you are using Chrome Frame with Interplay Explorer 9, you cannot use an iNEWS link (deep link) more than once. The first time you open the link in the browser, the MediaCentral UX panes update correctly. If you try to open the link a second time, the MediaCentral UX panes do not update. **Workaround:** Close the browser and open it again.

➤ **Bug Number:** ICAJ-2422. If you are using Chrome Frame with Interplay Explorer 9, and you click the microphone (Annotation) button in the Queue/Story pane to enable speech-to-text, Chrome Frame crashes and Internet Explorer displays a blank page.

Updating a Sequence after Delivery

When you create a sequence with clips that have been delivered from another workgroup through Interplay Delivery, the media status of the sequence is not automatically updated in the Interplay Production database.

- If a sequence consists completely of clips delivered from another workgroup, the status is displayed as offline. In MediaCentral UX, the sequence is shown in gray in the Asset pane.
- If a sequence consists of both delivered clips and non-delivered clips, the status is displayed as nearline.

Workaround: Load the delivered clips in Media Composer, use the Relink command, and check the clips in to Interplay Production again. Then either update the Media status in Interplay Access (Update Status from Media Indexer command) or check the sequence in from Media Composer again.

📄 *The command "Update Status from Media Indexer" updates the online media status until the next checkin.*

OMF Support

➤ OMF workflows are no longer supported in MediaCentral UX. OMF-wrapped media has to be converted to MXF prior to using it in MediaCentral UX. This limitation applies to video playback and to the sequence timeline.

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