Avid® MediaCentral Platform Services

Version 2.9.0 ReadMe

Important Information

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

Important: See the links on the Avid MediaCentral Platform Services Documentation page on the Avid Knowledge Base at http://www.avid.com/learn-and-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
January 24, 2017	Added two issues found after the v2.9.0 release. For details, see ICI-1380 and DAEM-3430 under "Installation and Configuration" on page 27.
January 10, 2017	• Added limitation related to iNEWS Messaging. For details, see "iNEWS Messaging" on page 28. • Added MPLAY-2597 to "Fixed in Version 2.9.0" on page 24.
December 22, 2016	MediaCentral v2.9.0 First Publication

Contents

About MediaCentral Platform Services v2.9.0 2
Compatibility Notes and Issues 3
Security Updates 13
Installing MediaCentral Platform Services Version 2.9.0 14
New Features in MediaCentral | UX Version 2.9.0 16
Fixed in Version 2.9.0 24
Additional Documentation 26
Limitations and Defects Found in Version 2.9.0 27
Limitations and Defects Found in Earlier Versions 30
Legal Notices 44

About MediaCentral Platform Services v2.9.0

Avid MediaCentral Platform Services (MCS) v2.9.0 provides new features and bug fixes.

For more information, see the following topics:

- “Installing MediaCentral Platform Services Version 2.9.0” on page 14
- “Fixed in Version 2.9.0” on page 24
- “Limitations and Defects Found in Version 2.9.0” on page 27

Documentation

For the latest information on MediaCentral Platform Services, see the v2.9.x documentation page on the Avid Knowledge Base:

http://avid.force.com/pkb/articles/en_US/readme/Avid-MediaCentral-Version-2-9-x-Documentation

Localized User Interface and Documentation

The MediaCentral UX user interface is available in the following languages:

- Arabic
- English
- French
- German
- Italian
- Japanese
- Korean

- Portuguese
- Simplified Chinese
- Spanish
- Turkish

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

Compatibility Notes and Issues

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

System Version Numbers

Use the following procedure to determine MediaCentral Platform Services version and build numbers.

To determine the version information for MediaCentral Platform Services:

1. Connect to the MediaCentral Platform Services server console as the *root* user.
2. Type the following command:

   `ics_version`
3. Press Enter.

   Version and build numbers for v2.9.0 are returned as follows:

   ```
   Copyright 2014-2016 by Avid Technology, Inc.
   System ID:
   MediaCentral Services:
   UMS               Version:  2.9.0.4-.noarch
   ICPS              Version:  2.9.0.0-11984299AVID.x86_64
   ICPS manager      Version:  2.9.0-28.noarch
   ACS               Version:  3.5.4_4_gcbc6e55-1.x86_64
   <system type>
   ICS installer: 2.9 (Build 213)
   Created on Tue Dec 20 19:34:35 EDT 2016
   ```

   Some notes on the output:

   - The System ID is an 11-digit number used in support calls, entered during system configuration.
   - The *<system type>* indicates if this is a standalone server or if this server is part of a clustered configuration. If the server is part of a cluster, the node's role and IP address assigned to the cluster are also displayed. For example:

     ```
     This is a Clustered system. Master node.
     The cluster IP is: 192.168.10.51
     ```

- If your system is part of a multi-zone configuration, the server's zone status is displayed as well as limited Media | Index configuration information. For example:

  ```
  Multi-Zone: Slave
  ```

  ```
  Media | Index configured: no
  ```

If Media |Distribute, MAM Connector, or Closed Captioning Service are installed, version information on those components is also included in the output:

```
Media Distribute Services:
ServiceMix          Version:  4.5.1
MPD                 Version:  2.9.0.20161221_164247
MPD UI              Version:  2.9.0.20161221_164247

MAM Connector       Version:  2.9.0.v20161216_120237-1

Close Captioning    Version:  1.1.271-1.x86_64

Assignments         Version:  1.1.1-1.noarch
```

iNEWS Client Version

MediaCentral Platform Services includes an iNEWS client module with a version number that needs to be entered in the iNEWS SYSTEM.CLIENT.VERSIONS story. This version number is 2.4.1.8 for MediaCentral v2.9.x.

Multi-Zone

MediaCentral Platform Services v2.9 supports multi-zone configurations consisting of mixed v2.7.x – v2.9.x zones.

Compatibility: MediaCentral Platform

For supported operating systems and version information on this and previous releases, see the "Compatibility Matrix: Interplay Production and MediaCentral" on the Avid Knowledge Base:

http://avid.force.com/pkb/articles/en_US/compatibility/Avid-Video-Compatibility-Charts

Memory Configuration

New installations of MediaCentral Platform Services v2.2 and later require servers with a minimum of 96 GB of RAM. Sites currently running servers that contain 64 GB of RAM are strongly encouraged to upgrade to 96 GB. However, 64 GB configurations continue to be supported without Media Index.

Sites upgrading to MCS v2.6 or later that plan to enable a Media Index workflow, or require high-quality streaming, must upgrade the installed RAM to a total of 128 GB.

For more information on RAM configurations, see the *MediaCentral Platform Services Hardware Guide*.

MediaCentral Distribution Service

For information on MCDS, including supported operating systems and installation best practices, see "Installing the MediaCentral Distribution Service" in the *MediaCentral Platform Services Installation and Configuration Guide*.

Systems and Storage

The following table lists considerations when connecting to Avid shared storage.

Product	Version
Avid NEXIS	• GigE and 10GigE support • Workspace protection types: 2 Disk, 1 Disk and Unprotected are supported for all media formats
Avid NEXIS | PRO (formerly ISIS 1000)	• GigE and 10GigE support
ISIS | 7500, ISIS | 7000 (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 (System Director)	• GigE and 10GigE support
ISIS | 2500, ISIS | 2000 (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 MCS server and the Avid shared-storage system is required. For additional information on calculating bandwidth requirements, see the *Avid MediaCentral Hardware Guide* and the appropriate Avid shared storage *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.

If you are accessing MediaCentral UX through Google Chrome, an Adobe Flash plug-in is automatically installed and updated with Chrome. No separate installation is required.

The minimum screen resolution for MediaCentral UX is 1280 x 1024 pixels. If the size of your browser window is smaller than 1280 x 1024, some UI elements might not be displayed.

Using browser controls to change the size of the contents of the MediaCentral UX window, for example, Ctrl + to enlarge the window (zoom in) and Ctrl – to reduce the window (zoom out), is not supported. Using these controls does not work consistently and slows down the application.

Device support for the MediaCentral | UX Mobile Application

The MediaCentral | UX Mobile app is supported on all devices compatible with iOS 9.0 and above, as well as, on over 4800 Android compatible devices. While not all devices can be thoroughly vetted, Avid has performed full testing on the following mobile phones and tablets:



For more information on compatibility with the mobile apps, see the Compatibility Support Matrix on Avid's Knowledge Base.

Mobile Phones:

- iPhone 7, 6S, 6, 5S, 5C, 5, and 4S
- iPad Air, iPad Air 2, iPad 2, iPad 3 and iPad 4
- iPod touch 5th generation
- Google Nexus 5, 6
- Samsung Galaxy S4 mini
- Samsung Galaxy S5

Tablets:

- iPad Air, iPad 4, iPad 3 and iPad 2
- iPad Mini (1st gen), iPad Mini 2, iPad Mini 3
- Google Nexus 9
- Samsung Galaxy Note 10.1

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 Interplay Production Data Model Object Types

The following table details the playback compatibility of certain Interplay Production data model object types with MediaCentral.

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

Object Type	Status
Master clips	Supported
Subclips	Supported
Group clips	Supported*
Multigroup clips	Unsupported
Freeze-frame clips	Supported
Sequences (no effects)	Supported
Sequences (dissolves only)	Supported
Sequences (precomputes present for unsupported effects)	Supported

Object Type	Status
Sequences (without precomputes for unsupported effects)	Unsupported
Nested timelines	Unsupported
Audio tracks with unrendered AudioSuite plugins	Unsupported
Stereo tracks	Unsupported
Subclips created in Media Composer through Autosync	Unsupported
Matte clips	Unsupported
Motion effects	Unsupported
Stereoscopic clips	Unsupported
Multi-channel audio clips	Unsupported

*Group clips composed of subclips, and subclips created from group clips are currently not supported.

Media Formats Supported for Playback

The following tables list 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 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.

AMA media is not supported for playback. It must be transcoded to a supported resolution.

DNxHD Format Support

Media Format	Support for Playback
Supported with Interplay Production v2.6 and later	
DNxHD 1080 36-45	All frame rates
DNxHD 1080 80-85-100	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
DNxHD 720p 40	Not Supported
DNxHD 720p 45-50	25, 29.97
DNxHD 720p 60-75	25, 29.97

DNxHD Format Support(Continued)

Media Format	Support for Playback
DNxHD 720p 90-110	25, 29.97
DNxHD 720p 90X-110X	25, 29.97
DNXHD 720p 85-100	50, 59.94
DNXHD 720p 120-145	50, 59.94
DNXHD 720p 185-220	50, 59.94
DNXHD 720p 185X-220X	50, 59.94
Additional formats supported with Interplay Production 3.2, Media Composer Cloud 1.2.0, and later	
DNxHD 1080p 75-90	50, 59.94
DNxHD 1080p 165-200	50, 59.94
DNxHD 1080p 240-290	50, 59.94
DNxHD 1080p 365-440	50, 59.94
DNxHD 1080p 365X-440X	50, 59.94

Other Format Support

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
AVC-Intra 100, 1080i	All frame rates
AVC-Intra 100, 720p	50, 59.94
AVC Long GOP 12, 720p	50, 59.94
AVC Long GOP 12, 1080i	50, 59.94
AVC Long GOP 25, 720p	50, 59.94
AVC Long GOP 25, 1080i	50, 59.94
AVC Long GOP 50, 720p	50, 59.94
AVC Long GOP 50, 1080i	50, 59.94
AVC Long GOP 12, 1080p	25, 29.97
AVC Long GOP 25, 1080p	25, 29.97

Other Format Support(Continued)

Media Format	Support for Playback
AVC Long GOP 50, 1080p	25, 29.97
XAVC Intra 50, 1080i	50, 60, 23.98
XAVC-Intra 100, 1080i	50, 60, 23.98
XAVC Long GOP 25, 1080i	50, 59.94
XAVC Long GOP 35, 1080i	50, 59.94
XAVC Long GOP 50, 1080i	50, 59.94
XAVC Long GOP 50, 720p	50, 59.94
Avid JFIF 2:1, 3:1, 10:1, 20:1	25, 29.97
DV 25 411	25, 29.97
DV 25 420	25
DV 50	25, 29.97
DV100 HD 1080i (DVCPro HD)	All frame rates
DV100 HD 720p (DVCPro HD)	50, 59.94
H.263 (MPEG-1 Layer 2 proxy)	25, 29.97
H.264 (MPEG-1 Layer 2 proxy) 800 Kbps, 2 Mbps, 3 Mbps	25, 29.97
HDV 1080i	All frame rates
HDV 720p	50, 59.94
JPEG 2000	No support
MPEG (IMX) 30	25, 29.97
MPEG (IMX) 40	25, 29.97
MPEG (IMX) 50	25, 29.97
MPEG-2 Long GOP	25, 29.97
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
XDCAM-EX 35 Mbps 1080i	All frame rates
XDCAM-EX 35 Mbps 720p	50, 59.94

Media Formats Supported for MediaCentral STP

Unless otherwise noted, the following table lists media formats supported for send to playback (STP) operations for MediaCentral UX.

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	
AVC Long GOP 12, 720p	50, 59.94	Requires MCDS v3.6
AVC Long GOP 12, 1080i	25, 29.97	Requires MCDS v3.6
AVC Long GOP 25, 720p	50, 59.94	Requires MCDS v3.6
AVC Long GOP 25, 1080i	25, 29.97	Requires MCDS v3.6
AVC Long GOP 50, 720p	50, 59.94	Requires MCDS v3.6
AVC Long GOP 50, 1080i	25, 29.97	Requires MCDS v3.6
XAVC-Intra 50 1080i	50, 60	Not supported
XAVC-Intra 100 1080i	50, 60	Added in MCDS V3.3
DNxHD 1080 115-120-145	25, 29.97	
DNxHD 1080 175-185-220	25, 29.97	
DNxHD 1080 175X-185X-220X	25, 29.97	
DNxHD 720 60-75-145	25, 29.97, 50, 59.94	
DNxHD 720 90-110-220	25, 29.97, 50, 59.94	
DNxHD 720 90X-110X-220X	25, 29.97, 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 MCDS V3.0
DV100 HD 720p (DVCPro HD)	50, 59.94	Added in MCDS 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

Media Format	Frame Rate	Notes
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**
348 px	Good	40	5.400Mbps	2.520Mbps	3.440Mbps
	Better	60	6.600Mbps	2.840Mbps	4.380Mbps
	Best	80	9.000Mbps	3.480Mbps	5.690Mbps
400 px	Good	40	6.400Mbps	2.840Mbps	4.690Mbps
	Better	60	8.200Mbps	3.320Mbps	5.000Mbps
	Best	80	11.650Mbps	4.200Mbps	6.780Mbps
480 px	Good	40	8.400Mbps	3.320Mbps	4.985Mbps
	Better	60	11.400Mbps	3.880Mbps	6.300Mbps
	Best	80	15.400Mbps	5.080Mbps	9.480Mbps
560 px	Good	40	11.295Mbps	4.179Mbps	6.529Mbps
	Better	60	14.868Mbps	5.023Mbps	8.547Mbps
	Best	80	21.009Mbps	6.694Mbps	12.284Mbps
640 px	Good	40	14.324Mbps	5.029Mbps	8.098Mbps
	Better	60	18.991Mbps	6.131Mbps	10.735Mbps
	Best	80	27.011Mbps	8.315Mbps	15.616Mbps
720 px	Good	40	17.757Mbps	5.993Mbps	9.878Mbps
	Better	60	23.664Mbps	7.338Mbps	13.215Mbps
	Best	80	33.814Mbps	10.152Mbps	19.392Mbps
960 px	Good	40	30.480Mbps	9.566Mbps	16.472Mbps
	Better	60	40.980Mbps	12.046Mbps	22.405Mbps
	Best	80	59.028Mbps	16.959Mbps	33.385Mbps

The following 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

Security Updates

RHEL releases security updates for registered users on a regular basis. While not all updates are supported for use with MediaCentral Platform Services, the following updates have been tested and approved by Avid.

If needed, the `avid-security-check` script can be run to verify what security updates have been installed on the system. For more information, see "Installing Security Updates" in the *Avid MediaCentral Platform Services Installation and Configuration Guide*.

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-2015-0715.html

For information on installing this patch, see the following Knowledge Base article:

http://avid.force.com/pkb/articles/en_US/how_to/Patching-the-OpenSSL-vulnerability-known-as-Heartbleed

Version 1.0.1e-30.el6_6.5 or later of this security update is required for Avid MediaCentral Platform Services v2.9 and later.

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-2014-7169

glibc Security Update

Red Hat has released a security update for the glibc vulnerability, known as "GHOST in the machine" (CVE-2015-0235). For information about installing this update, see the following Knowledge Base article:

http://avid.force.com/pkb/articles/en_US/faq/CVE2015-0235-glibc-security-update-for-Avid-products

NTP Security Update

Red Hat has issued a security advisory addressing an NTP vulnerability for "Kiss-of-Death" packets, 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-2015-1930.html

For information on installing this patch, see the following Knowledge Base article:

http://avid.force.com/pkb/articles/en_US/how_to/Red-Hat-Enterprise-Linux-6-NTP-Security-Patches

Installing MediaCentral Platform Services Version 2.9.0

The MediaCentral Platform Services (MCS) v2.9.0 installation package is available as a full installation package, for upgrades or new installations.

- For systems running MediaCentral Platform Services v2.8.x (or earlier), see the *Avid MediaCentral Platform Services Upgrade Guide*.
- For new systems, see the *Avid MediaCentral Platform Services Installation and Configuration Guide*.

For information about configuring multi-zone environments, see the *Avid MediaCentral Platform Services Installation and Configuration Guide*.

For information about configuring Media | Index, see the *Avid Media Index Configuration Guide*.

http://avid.force.com/pkb/articles/en_US/readme/Avid-MediaCentral-Version-2-9-x-Documentation

Obtaining the MCS Installation Packages

Avid MediaCentral Platform Services installation packages are available from the Avid Download Center. Prior to performing any system upgrade, verify the compatibility of all software components against the Avid Video Compatibility Charts on the Avid Knowledge Base.

MediaCentral Platform Services installation package:

- MediaCentral_Services_2.9_Linux.zip

Depending on your workflow, the following additional packages might be required:

- Avid MediaCentral Distribution Service
- MediaCentral Closed Captioning Service
- MediaCentral MAM Connector
- Assignments Pane
- Media | Distribute (not available on the Download Center)

For details on installing and upgrading many of the optional packages listed above, see the Avid MediaCentral Platform Services Installation and Configuration Guide.

For details on installing and upgrading Media Distribute, see the Media | Distribute V2.9 Installation and Configuration Guide.

If you are upgrading from MAM Connector v2.5.x or earlier, you need to clean up the previously configured Interplay MAM systems from the ACS Bus Attribute Service. See Cleaning Up Interplay | MAM Systems in the MediaCentral Platform Services Installation and Configuration Guide.

Upgrading Multi-Zone and Media | Index Deployments

If your system is configured for multi-zone or Media Index, see the *Avid MediaCentral Platform Services Upgrade Guide* for special notes on upgrading these environments.

Migrating User Settings from UMS to USS During an Upgrade

MediaCentral 2.0 introduced a new user database scheme. Upgrades of systems prior to 2.0 need to complete a user database migration using the supplied avid-uss-import script.

- For upgrades from 1.8.0 (RedHat 6.3) or earlier, a backup and restore of the MCS database is required. The user database migration must be completed after restoring the MCS database, but before logging in via the MediaCentral | UX user interface.
- For upgrades from 1.8.1 (RedHat 6.5), a backup and restore of the MCS database is not required. However, the avid-uss-import script must still be run before logging in via the MediaCentral | UX user interface.



In a cluster, the user database migration script must be run once on the master node only.

For detailed backup and restore instructions, see the *Avid MediaCentral Platform Services Upgrade Guide*.

Resetting Layouts After Upgrading from v2.0 or Earlier

Three panes used in MediaCentral UX v2.0 are not used in MediaCentral UX v2.9.x:

- Markers pane: redesigned as Logging pane.
- Search pane in Users Layout: replaced by Filter field.

After MediaCentral UX is upgraded to v2.9.x, users who had signed out with these panes open will see them when they sign in again, with the message: “No View implementation found for type undefined” in the pane. Users need to reset the panes.

This problem does not occur when upgrading from MCS v2.1.x or later.

To reset the outdated panes, do one of the following:

- Close the outdated panes.
- Reset the layout by selecting “Reset Layout” from the Layout selector.

Installing SSL Certificates

For instructions on eliminating the (Chrome) “your connection is not private” or (Safari) “Safari can’t identify the website” security warnings, see the following article on the Avid Knowledge Base:

http://avid.force.com/pkb/articles/en_US/how_to/SSL-Certificates-for-server-to-browser-connections

New Features in MediaCentral | UX Version 2.9.0

This topic provides an overview of the major new features in MediaCentral UX v2.9.0.

Assets

Feature	Description
Creating a subfolder	For Interplay Production assets, to create a subfolder (child folder) within a selected folder, right-click the folder and select Create Folder. To create a sibling folder for a selected folder or asset, click the Pane Menu button and select Create Folder. *These steps now match the steps for creating folders for Interplay MAM assets. In earlier versions of MediaCentral UX, the only way to create a subfolder for Interplay Production assets was by navigating into a folder and creating a sibling folder (using either the context menu or the pane menu).*
Confirmation message before moving or copying a folder.	If you start to move or copy a folder, a confirmation message box opens, asking you to confirm the move or copy operation. *If you select both a folder and individual assets, and click No in the confirmation box, the individual assets are moved or copied.* *In an Interplay MAM workspace, you can move folders but you cannot copy them.*

Closed-Captioning Pane

Feature	Description
Sort by column	The default sorting in the Closed-Captioning pane is by In timecode, from lower to higher. Click a column head to sort in the following ways: • IN or OUT: lower to higher, or higher to lower. • Text: alphabetically, or reverse alphabetically.

Editing

Feature	Description
Identification of MAM assets with remote media in the Sequence timeline	Segments in the Sequence timeline created from MAM assets with remote media are identified with the name of the server and the type of server (MAM).

Feature	Description
Media status of segments in a sequence	Starting with MediaCentral UX v2.9, you can display the following media status in the Sequence timeline: • Proxy-only: Interplay Production and Interplay MAM, colored yellow. Which resolutions are considered proxy resolutions is determined by Interplay Production or Interplay MAM. A segment is considered to have proxy-only media if only the proxy resolution is available, whether or not it was originally recorded with a high-res version. • Nearline: Interplay MAM, colored blue. Nearline media is not available in all required resolutions but is possibly fully or partially available on a remote workgroup or archive. To display media status, click the Sequence Pane menu and select Show Media Status. For more information, see “Displaying Media Status” in the *MediaCentral	UX User’s Guide*.

Installation and Configuration

Feature	Description
Sharded MongoDB and new services	To support the Mixed-Sequence Editing Technology Preview, two new services (avid-asset and avid-asset-gc) have been introduced. These services appear in cluster configurations as the AvidAsset and AvidAssetGc manged resources. While these services are used exclusively by Mixed Sequence Editing in MCS v2.9, they also provide an infrastructure for future feature development. The avid-asset service uses a new sharded MongoDB database as a back-end storage location for temporary sequence creation. While the process to configure a new installation remains largely unchanged from MCS v2.8, the upgrade process to v2.9 includes a few additional steps to enable the services and sharded MongoDB database. Even if you do not plan to enable Mixed Sequence Editing, the reconfiguration steps are required for all upgrades to v2.9, including single-server configurations. For more information on new installations or system upgrades, see the *Avid MediaCentral Platform Services Installation and Configuration Guide* or the *Avid MediaCentral Platform Services Upgrade Guide*. For more information on the new services and the different MongoDB deployments, see the *Avid MediaCentral Platform Services Concepts and Clustering Guide*.

Feature	Description
Sharded Mongo configuration change	The `mongo-create-configuration` script now adds all nodes to the ansible hosts file. This change has no impact on the actual installation or configuration process of sharded Mongo, but users should be aware of it. For more information, see "Using the mongo-create-configuration Script" in the *Avid MediaCentral Platform Services Installation and Configuration Guide*.
Open SSL Security Update	While recommended for all versions of MediaCentral Platform Services, this security update is required for v2.9. If not installed, users encounter a infinitely spinning circle in the Media pane as the player service attempts and fails to connect. For more information, see "Security Updates" on page 13.
Configuring access	The process to enter a single IP address in the avid-acs-gateway configuration file has changed. A bitmask is no longer required when entering a single IP. For more information, see "Configuring Access for External Systems" in the *Avid MediaCentral Platform Services Installation and Configuration Guide*.
Installing optional software	In previous versions, software packages such as the MAM Connector were delivered in a .tar container wrapped in a .zip package. To expedite the installation process, the .tar container has been removed.

Logging Pane

Feature	Description
Markers for remote Interplay Production assets	If you are working in a multi-zone MediaCentral environment, and you have the proper permissions, you can now work with markers for remote Interplay Production assets (assets stored in any of the Interplay Production systems that are configured to work with the system you signed into). You can view and edit marker text, create new markers, and delete markers.
Sort by column	The default sorting in the Logging pane is by timecode, from lower to higher. Click a column head to sort in the following ways: • Text field: alphabetically, or reverse alphabetically. • Numbers: lower to higher, or higher to lower. • Timecode: lower to higher, or higher to lower.

Messages

Feature	Description
Send to groups	You can select user groups as recipients of MediaCentral UX messages.

News Stories

Feature	Description
Assignments pane	The Assignments pane allows you to manage all aspects of your news story or production task and send your output to the Web, on-air broadcasts, social media, or mobile devices.

Playback

Feature	Description
AVC-ULTRA and XAVC media	The Avid MediaCentral Platform Services Hardware Guide has been updated to include stream counts for playback of AVC-ULTRA and XAVC media formats. For details, see the *Avid MediaCentral Platform Services Hardware Guide*.

Search

Feature	Description
Default message in the Search text field.	MediaCentral UX v2.7.2 introduced the ability for administrators to create a custom message that appears in the Search text field. Starting with MediaCentral UX v2.9, the following message is displayed by default: “Enter search text here.” For information about changing the default message, see “Modifying application.properties” the *Avid MediaCentral Platform Services Installation and Configuration Guide*.
Asset Type customization	You can configure an Interplay MAM thesaurus to provide specific asset types used in indexed search, including localized asset types. This allows you to select a pre-configured asset type when you filter your search using the Asset Type criterion for MAM assets. For information, see “Using Predefined Metadata” in the *Avid MediaCentral	UX User’s Guide*.
Using underscore and hyphen characters	In prior versions of MCS, the underscore and hyphen characters are treated as “split” characters in an indexed search. Split characters are normally ignored in a search which is desirable for some search fields, but not others. For example, if the index database contains two assets with the names “Avid_123” and “Avid_345”, a search using the Name field for “Avid_123” in MCS v2.8 and earlier would return both of the previously mentioned assets. When searching in the Name or VideoID fields in MCS v2.9, the underscore and hyphen characters are now treated as standard characters. A search for “Avid_123” now only returns the asset named “Avid_123”.

System Settings

Feature	Description
Send to Playback Settings	Changes to the display: • One set of Revert/Apply buttons • Named section for STP Profiles • Inapplicable options (Studio) grayed out
Assignments Settings	New Assignments settings allow you to configure categories, topics, and destinations for the Assignments pane.

User Interface in Portuguese

Feature	Description
User interface items can be viewed in Portuguese	Users can select Portuguese as a language for display. A Portuguese user can search by using Portuguese analysis.

Media | Index

Feature	Description
PEBCo progress status	When you sync the Interplay Production database through the Production Engine Bus Connector (PEBCo) view in Interplay Administrator v3.7, a progress indicator appears to provide a status of the process.

Media | Distribute

Feature	Description
Support for delegated publishing	You can use an Interplay MAM process to publish to your personal social media accounts. This allows the Interplay MAM process to publish on behalf of an individual without intervention by account owner. For information, see “Configuring User Profiles for Media | Distribute: in the *Avid Media | Distribute Installation and Configuration Guide*.

Mobile Apps

Feature	Description
Device support	The iPhone 7 has been tested and approved for use with the MediaCentral UX Mobile app. For more information on supported devices, see “Device support for the MediaCentral | UX Mobile Application” on page 6.

Feature	Description
Support for Touch ID	Once you have logged in once to MediaCentral UX using the iOS app, you can use Touch ID to log in without having to supply your credentials.
Script templates	The MediaCentral UX app for iOS devices supports using iNEWS script templates for creating stories.

Interplay | MAM

Feature	Description
Duplicate Sequence	You can duplicate a sequence that is selected in the Assets pane. In doing so, you create a duplicate of the sequence in the Interplay MAM database and add a reference to the sequence in the folder in which the original sequence is located.
Process Dashboard pane	Starting with MediaCentral UX v2.9, the Process Dashboard pane provides diagrams. Diagrams give you a visual summary of processes visible in the Process Dashboard pane. If toggled on, diagrams are displayed in the Diagrams area above the Process List. The Diagrams area is updated automatically upon process changes, matching the dashboard context settings and filter criteria. You have the following options for displaying diagrams in the Process Dashboard pane: • You can show and hide the Diagrams area. • You can show and hide individual diagrams. • You can reorder the displayed diagrams. • You can maximize, restore, and close individual diagrams.
Customizable Audio-only Graphic	When loading an audio-only asset in the Media pane, an audio waveform graphic is displayed to alert users that the asset does not contain a video track. If desired, sites can replace the default audio waveform graphic with a customized image by replacing the audioOnlyImage720.png file located at: `/var/www/html/player/static/images/`

Feature	Description
System Settings	In MediaCentral UX v2.9, the System Settings pane for Interplay MAM systems includes the following changes: • Interplay MAM v 5.8. introduced new licensing based on license features. Depending on the license features retrieved from the Interplay MAM backend, the Features section now shows one of the following: MAM License, Orchestration License, or No License. • You can empty caches and force data reload from Interplay MAM. The new Caches section shows that for each cache you can flush the number of items in the cache. *Due to the changes in the System Settings, updating to MediaCentral v2.9 requires clearing your browser cache after installing the MAM Connector v2.9.*

Maestro UX Plug-in

Feature	Description
Cluster support	The Maestro UX plug-in is now supported for Avid MediaCentral Platform Services servers configured in a cluster. For more information, see the "Maestro UX Plug-In" chapter of the *Avid MediaCentral Platform Services Installation and Configuration Guide*.

Technology Previews

The following Technology Previews are available in this release. For more information, see the individual Technology Preview documents on the Knowledge Base page Avid MediaCentral Version 2.9.x Documentation.

Feature	Description
Mixed Sequences (Enterprise Editing)	You can combine Interplay Production assets and Interplay MAM assets in the same Interplay Production sequence (mixed-sequence editing).
Select Flash or HTML5 for playback.	By default, the MediaCentral Platform uses Adobe® Flash® to deliver video player functionality that is embedded in the MediaCentral UX Media pane. MediaCentral UX v2.9 offers administrators an option to use HTML5 instead of Flash.
Displaying markers	MCS v2.9 introduces a Technology Preview to enable viewing of Interplay MAM locator data in the Media pane. If an Interplay Production asset is exported to or archived in Interplay MAM, a corresponding asset is created in Interplay MAM. Marker information — including position, color, and text — is mapped to the stratum "Locators." These markers are not shown in the Media pane by default, but system administrators can enable this feature if desired.

Additional Documentation

Information in this section has been added to the MediaCentral UX documentation.

Feature	Description
STP for sequences that include in-process clips	The following information has been added to the *Avid MediaCentral UX User's Guide*: You can send to playback (STP) a sequence that includes an in-progress (edit-while-capture or EWC) clip. However, you cannot STP an in-progress clip. If you load an in-progress clip, the STP button is disabled.
Port Usage Guide	The *Avid Networking Port Usage Guide* has been updated to include the network ports for the avid-asset deployment of sharded MongoDB.
Format support in Interplay Production sequences	Previous versions of the *Avid MediaCentral UX User's Guide* stated: "For Interplay Production sequences, the video format is determined by the first clip that you add to the sequence. Any additional clips must match the initial video format." This statement has been revised to read: "For Interplay Production sequences, the aspect ratio and the frame rate is determined by the first clip that you add to the sequence. Any additional clips can have a different resolutions but must match the initial frame rate. For example, you can mix NTSC 29.97 and 1080i 59.94 in the same sequence because both use the actual frame rate of 29.97. If the first clip you add is 1080i 59.94 (16x9), an NTSC 29.97 clip will appear stretched. If the first clip you add is NTSC (4x3), a1080i 59.94 clip will be displayed using anamorphic squeeze."
Exporting as MP4	The *Avid MediaCentral UX User's Guide* has been updated to describe the ability to export both clips and sequences as MP4 files.
Navigating by markers	The *Avid MediaCentral UX User's Guide* has been updated to correct the keyboard shortcuts for navigating by markers in the Media pane: • Press Ctrl+Shift+right arrow to step to the next marker. • Press Ctrl+Shift+left arrow to step to the previous marker.

Fixed in Version 2.9.0

The following bugs are fixed in version 2.9.0.

Assets

(MPLAY-2621) Subclips created from spanned master clips (media consisting of multiple segments) do not reflect the correct timecode if the subclip is created from any point after the first segment. The subclip shows the correct timecode in the asset pane, but does not show the correct timecode in the Media pane.

(MPLAY-2597) After loading an asset for playback and subsequently loading a second asset, MediaCentral Platform Services maintains a connection to the first asset for an extended period of time. This delays the ability to delete the asset from the shared storage system

Change Password

(JP-3612) If a user enters an incorrect old password in the Change Password page, there is no warning. The user can enter a new password and confirmation, and click Continue, but the password is not changed. The user should be warned that an incorrect old password was entered.

(JP-3672) If a user enters and confirms a new (weak) password in the Change Password page, the password isn't accepted. The user should be redirected to a new MediaCentral UX sign-in page, but is instead presented with a coded HTML page.

Editing

(MPLAY-2840) When opening a sequence that contains quotes in the name, the Metadata pane and the timecode fields populate, but the Sequence pane does not.

Installation and Configuration

(DAEM-3170) When configuring sharded MongoDB on a two node cluster, the `mongo-add-arbiter-configuration` script cannot be used with "long" form of the script's options such as `--hostname` and `--user`.

(DAEM-3207) The scripts used to create a sharded MongoDB arbiter on non-MCS Linux or Windows server should be case insensitive when referencing the data entered in the RHEL `/etc/hosts` file.

Media Index

(TSL-3646) An issue with the Media Index import service prevents new installations of MediaCentral Platform Services from indexing an Avid iNEWS system.

Mobile

(LIZ-3004) Some functionality for presenter mode might not work properly when using the MediaCentral UX mobile app for iOS devices if your device is configured to use iOS 10. You cannot scroll to story text that does not display if the story is too long for the device screen, and you cannot navigate to the previous or next page in the story by swiping or tapping the left or right side of the screen.

Playback

(MPLAY-2811) When playing an EWC asset, users might encounter a one frame jump in video after every 5 to 10 minutes of continuous playback

(MPLAY-2814) Playing interlaced assets in the Media pane might improperly order the fields, resulting in a distorted image on playback.

(MPLAY-2815) Users playing EWC media close to the end of the asset might encounter a short pause, followed by audio / video sync issues when new chuck of material becomes available.

(MPLAY-2817) Media created through Avid Transfer Manager loads into the MediaCentral UX player with a 2x zoom, resulting in only 1/4 of the image appearing in the Media pane.

(MPLAY-2833) Playing a sequence at a cut point might result in video jitter during playback.

(MPLAY-2345) Playback might stop without user intervention when initiating playback using either the J or L keys.

User Interface

(MA-3918) When a new user signs into MediaCentral UX for the first time, they are asked if they want to enable MOS plugins. This message should only appear for users running Chrome v44 or earlier as support for the technology was depreciated by Google in Chrome v45.

Search

(SPEC-2849) Federated searches do not display the correct icon for EWC (edit while capture) media. Instead of the correct partial clip icon, the standard Master Clip icon is displayed.

Send to Playback

(ICTD-316, UDevC00176883, EA-453) 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.”

MAM Connector

(MAM-9823) In the File Info pane, if an essence package contains essences with stream class type “ANY,” the content of the essence package is not displayed. An error message is displayed instead.

(MAM-9312) When you create a new asset using the Create Asset dialog box, read-only default attributes are not saved.

(MAM-9089) In the Process Dashboard’s Define Context dialog box, “Criteria” values of type legal list are not always fully displayed.

(MAM-8963) In the Process Dashboard pane, HTML in a process attribute is rendered instead of displayed as text. This makes it possible to inject Javascript code to the Process Dashboard pane.

(MAM-8962) When you move the Process Dashboard pane to the right and open the Groups selector, the selection list is cut off.

(MAM-8751) The Process Dashboard pane is not available in all layouts.

(MAM-8433) In the Process Dashboard pane, when a user changes the context of the dashboard, not all filter criteria are reset.

(MAM-9913) Sequences created or altered through MediaCentral UX cannot be edited in MAM Desktop due to missing metadata in the audio track.

(MAM-8189) Processes sorted by Name in the Process Dashboard pane are listed out of order and do not match the sorting found in Business Process Management (BPM).

Additional Documentation

This section includes information that is incorrect or not included in the v2.9 documentation.

End of Support Announcement

End of Support announcement for all Interplay Central and MediaCentral Platform Services versions prior to v2.4.0. As of June 30, 2017, all versions prior to v2.4.0 will no longer be supported by Avid. Customers running older versions of the software are encouraged to upgrade to the latest version of MediaCentral Platform Services to take advantage of the new features and fixes offered through this software. For more information, contact your Avid Sales representative.

For a complete list of End of Support dates for Avid products, see http://avid.force.com/pkb/articles/en_US/faq/End-of-support-dates

MediaCentral | UX and Supported Web Browsers

Google Chrome and Apple Safari are tabbed-based web browsers that enable users to multi-task by opening multiple simultaneous sessions. While each tab is hosted as a separate process, many resources such as the built-in PPAPI Flash Player are shared between the tabs. To ensure a satisfactory user experience, Avid does not recommend opening or accessing multiple tabs while using MediaCentral UX. Opening multiple tabs or switching between tabs might produce the following results:

- Stuttering playback
- Audio / video sync issues during playback
- User Interface display problems
- General performance degradation on the client system

Since its initial release, Avid has encountered multiple versions of the Flash Player embedded in Chrome which have also been linked to the issues listed above. Avid Technology works with the Google Chrome team to report and resolve these issues as quickly as possible.

MediaCentral | UX and Google Chrome

MOS plug-ins use a software architecture called Netscape Plugin Application Programming Interface (NPAPI). Chrome 42, launched in April 2015, depreciated support for NPAPI in favor of a newer architecture called Pepper (PPAPI). Chrome 45, launched in September 2015, eliminated support for NPAPI entirely.

MOS plug-ins can continue to function in versions of Chrome prior to v45 by manually re-enabling NPAPI using the process at the following link:

https://support.google.com/chrome/answer/6213033?hl=en

If your site depends on MOS plug-ins as part of the MediaCentral UX workflow, the Avid MediaCentral | UX Desktop application is capable of replacing the traditional web browser as an access portal to MediaCentral UX. For more information about Avid MediaCentral | UX Desktop, see the *MediaCentral Platform Services Installation and Configuration Guide*.

Limitation on Monitoring of Audio Tracks

MediaCentral UX can load clips with up to 24 tracks, but you can monitor only the first 16 audio tracks of a clip.

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).

Limitations and Defects Found in Version 2.9.0

The following sections list known limitations and defects for MediaCentral Platform Services, except for the following:

- For the latest information and possible limitations for Interplay MAM, see the Interplay MAM Release Notes.
- For the latest information and possible limitations for Avid MediaCentral UX Desktop, the Avid MediaCentral | UX Desktop ReadMe.

Delivery

➤ **Bug Number:** PAM-3868. Assets acquired through the “Deliver To Me” feature (Delivery using In and Out Marks) using an AVC_LongG profile appear as offline in Media Composer even if Dynamic Relink is on.

Editing

➤ **Bug Number:** OS-3702. After you load an Interplay MAM clip in Asset mode and enter voice-over mode, you cannot open the Media pane.

Workaround: Switch the Media pane to Output mode and back to Asset mode.

➤ **Bug Number:** OS-3545. In the Media pane menu, these options are listed incorrectly until the first time they are enabled:

- “DeliverRemote” should be “Deliver To.”
- “DeliverLocal” should be “Deliver To Me.”

Installation and Configuration

➤ **Bug Number:** OTTO-6294. Following an upgrade to MCS v2.9 on a single-server (non-cluster), the avid-acs-gateway service might not start as expected. If this occurs, Avid requests that you contact Avid Customer Care and provide logging information for additional review.

The log file can be collected using the following command:

```
grep -i "starting secure\|stopping secure\|stopped\|started\|failed to
start\|RabbitMq Connection lost! Reconnecting." /var/log/avid/acs/gateway/
avid-acs-gateway.log > ~/avid-acs-gateway.filtered.log
```

➤ **Bug Number:** ICI-1380. During an upgrade, the avid-acs-gateway configuration file is not replaced if custom modifications were made to the file prior to the upgrade. This might result in service failures on the upgraded MediaCentral Platform Services servers.

Workaround: If you have made custom modifications to the file, you must manually migrate the customizations to a new file once the upgrade is complete. An example of such a modification would be the process for "Configuring Access for External Systems" found in the *Avid MediaCentral Platform Services Installation Guide*.

For complete instructions on editing the configuration file, see the *Avid MediaCentral Platform Services Upgrade Guide*.

➤ **Bug Number:** DAEM-3430. When creating a sharded MongoDB environment, the `mongo-create-configuration` script might not identify the host names of the nodes correctly in some situations.

Workaround: If the output of the script reports a wrong or partial hostname, complete the following process to update the script:

1. Open the configuration script in the Linux vi editor:

   ```
   vi /opt/avid/bin/mongo-create-configuration
   ```

2. Search the file for the line that includes the text string "`MEMBERS_HOSTS=$(echo $MEMBERS_HOSTS`":

   ```
   :/MEMBERS_HOSTS=$(echo $MEMBERS_HOSTS
   ```

   Note that this command includes a leading colon ":" and forward slash "/" before the text string.

   After pressing Enter, you should see the following two lines in the file:

   ```
   MEMBERS_HOSTS=$(echo $MEMBERS_HOSTS | sed "s/$MASTER_HOSTNAME//g")
   MEMBERS_HOSTS=$(echo $MEMBERS_HOSTS | sed "s/$SLAVE_HOSTNAME//g")
   ```

3. Update the script by adding a "`\b`" before and after the `$MASTER_HOSTNAME` and `$SLAVE_HOSTNAME` values. The resulting change should look like the following:

   ```
   MEMBERS_HOSTS=$(echo $MEMBERS_HOSTS | sed "s/\b$MASTER_HOSTNAME\b//g")
   MEMBERS_HOSTS=$(echo $MEMBERS_HOSTS | sed "s/\b$SLAVE_HOSTNAME\b//g")
   ```

4. Save and exit the vi session. Press <ESC> and type: **`:wq`**

5. Run the `mongo-create-configuration` script again to update the configuration with the correct host values.

   For complete instructions on running this script, see the *Avid MediaCentral Platform Services Installation Guide*.

iNEWS Messaging

➤ **Bug Number:** JP-3858. If the iNEWS plug-in is disabled, the iNEWS messaging bar displays a message that is partially readable. The message reads "No View implementation found for type av-messenger."

Media Index

➤ **Bug Number:** TSL-3794. When configuring Media Index for the first time in a single-server environment, the avid-acs-media-index-thesaurus service might fail to start.

Workaround: After completing the Media Index configuration, check if the service is started:

```
service avid-acs-media-index-thesaurus status
```

If the service is stopped, restart the service:

```
service avid-acs-media-index-thesaurus restart
```

Messages

➤ **Bug Number:** TSL-3791. If your system is included in a multi-zone configuration consisting of mixed versions, messages sent from a v2.9 zone result in duplicate messages (at least two) being received by users in the v2.7 or v2.8 zones.

➤ **Bug Number:** TSL-3792. If your system is included in a multi-zone configuration consisting of mixed versions, sending a message from a v2.9 zone to a User Group results in a failed delivery to users in v2.7 or v2.8 zones.

If a message is sent between the same zones indicated above and the message is sent to both individual user accounts and to a User Group, the message is delivered successfully to the individual user accounts, but not to the users included in the Group. If a user in the v2.7 or v2.8 zone attempts to reply to the message, the User Group names appear as “Undefined”.

Panes

➤ **Bug Number:** JP-3696. Opening multiple panes in the same section of the interface eventually leads to the inability to close the last pane as the “X” disappears. If enough panes are open, the last tab also loses the associated text.

Workaround: Close panes to the left of the last pane or drag panes to other sections of the interface.

Playback

➤ **Bug Number:** MPLAY-2671. On a low-bandwidth network, playback might stop abruptly. If this occurs, the Play button continues to flash and the Media pane controls become unresponsive.

Workaround: Scrub through the media using the position indicator in the timeline to re-enable the controls.

Search

➤ **Bug Number:** TSL-3383. Including quotes (" ") in the search criteria of an Indexed search causes a "Search failed due to internal problem" error to appear. This issue was originally listed as Fixed in the MCS v2.7.1 ReadMe, but was reopened for 2.9 to include the following:

Wildcard prefix searches in Media Index can fail due to a large result set. This affects searches such as the following:

- `*tp`
- `word OR *tp`

The first item (*tp) has been fixed with the following limitation:

- A wildcard prefix search will only run against the name and description field of the asset.

The second item has not been fixed. A combination of non-prefixed search and prefixed search can still fail if combined with OR.

Send To Playback

➤ **Bug Number:** PAM-3972. An STP operation that includes AVC LongG in-progress (EWC) clips and video dissolves might fail with one of the following messages:

- Remote STP process failed: Exception: Exception ameBaseStream::Connect() - data offset not set for EWC fileMob. (in "wait render" phase).
- Remote STP process failed: Exception: Exception: NEMFileWriter::ExecuteInternal TIMEOUT - NEMFileWriter has detected upstream pipe stall... (in "wait render" phase).

➤ **Bug Number:** PAM-4493. If an XDCAM-HD clip name contains the ICS characters äöüß€ in the clip name, and a sequence containing the clip is sent to an AirSpeed playback device (STP), the characters do not appear correctly on the Airspeed device.

➤ **Bug Number:** PAM-4723, PAM-4759. An STP operation that includes Long GOP in-progress (EWC) clips might fail with the message "Remote STP process failed: Exception: Exception: The operation could not proceed because some clips are offline or are the wrong format. (in "wait audiomixdown" phase)." This problem occurs for clips that are recorded through AirSpeed 5000 and Interplay Capture that include a D track (data track).

Limitations and Defects Found in Earlier Versions

Limitations and defects in are organized in the following sections:

- "Limitations and Defects Found in Version 2.8.0" on page 31
- "Limitations and Defects Found in Version 2.7.x" on page 32
- "Limitations and Defects Found in Version 2.6.x" on page 35
- "Limitations and Defects Found in Version 2.5.x" on page 36
- "Limitations and Defects Found in Version 2.4.x" on page 37
- "Limitations and Defects Found in Version 2.3.x" on page 38
- "Limitations and Defects Found in Version 2.2.x" on page 39

- "Limitations and Defects Found in Version 2.1.x" on page 39
- "Limitations and Defects Found in Version 2.0.x" on page 40
- "Limitations and Defects Found in Version 1.8.x" on page 41
- "Limitations and Defects Found in Version 1.7.x" on page 41
- "Limitations and Defects Found in Version 1.6.x" on page 41
- "Limitations and Defects Found in Version 1.5.x" on page 42
- "Limitations and Defects Found in Version 1.4.x" on page 43
- "Limitations and Defects Found in Version 1.3.x" on page 43

Limitations and Defects Found in Version 2.8.0

Assets

➤ **Bug Number:** MPLAY-2492. Found in 2.8.0. Voice-over assets created through MediaCentral UX cannot be sent to an SGL Archive system.

Workaround: Media Composer can be used to create an audio mixdown of the asset. Replacing the original audio asset with the mixdown asset allows the sequence to be archived normally.

➤ **Bug Number:** MPLAY-2737. Found in 2.8.0. If Asset Watermarking is enabled, the "Save As Image" feature does not result in a final image that includes the user name overlay.

➤ **Bug Number:** MPLAY-2291, MPLAY-2750. Found in 2.8.0. If Asset Watermarking is enabled, exporting an asset as an MP4 does not result in media that includes the watermark overlay.

➤ **Bug Number:** PLAD-301. Found in 2.8.0. When adding an EWC (edit while capture) asset to an Advanced sequence and then adding a subclip of the same asset to the sequence, any data track associated with the sequence might be lost. If this occurs, a "Remote STP process failed: Exception: Sequence refers to non-existent track in clip." error appears during Send To Playback. If loading the sequence in Media Composer, a "Exception: Sequence refers to non-existent track in clip" error occurs.

➤ **Bug Number:** MPLAY-2293. Found in 2.8.0. Asset Watermarking is not applied media streamed to a mobile device.

Google Chrome

➤ **Bug Number:** None. Found in 2.8.0. Google Chrome v54.0.2840.59m disables Flash support required for multiple aspects of the MediaCentral UX interface. This version of Chrome also now respects the DPI setting in the Windows Display Control Panel. This might affect the overall look of the Chrome browser for users that have altered the Windows DPI settings.

For more information on resolving the Flash issues related to Chrome v54, see the following article on the Avid Knowledge Base: http://avid.force.com/pkb/articles/en_US/compatibility/Adobe-Flash-Player-was-blocked-because-it-is-out-of-date

For more information on resolving issues related to Windows DPI settings in Chrome, see: http://avid.force.com/pkb/articles/en_US/troubleshooting/MediaCentral-UX-appears-slightly-bigger-after-a-Chrome-update

Media Index

- **Bug Number:** JP-3635. Found in 2.8.0. Indexed searches do not display the correct icon for EWC (edit while capture) media. Instead of the correct partial clip icon, the standard Master Clip icon is displayed.

Search

- **Bug Number:** TSL-3474. Found in 2.8.0. Searches containing the dot "." character might return more assets than expected. Normally, the dot character is dropped by the search engine, but this might not happen for some searches.

- **Bug Number:** JP-3635, SPEC-2889. Found in 2.8.0. Indexed searches do not display the correct icon for EWC (edit while capture) media. Instead of the correct partial clip icon, the standard Master Clip icon is displayed.

Limitations and Defects Found in Version 2.7.x

Assets

- **Bug Number:** MPLAY-2460. Found in 2.7.0. Interplay Production systems running v3.1 - v3.4 require the Interplay Media Indexer to be upgraded to v3.4.3 to maintain compatibility with MediaCentral Platform Services v2.7. If Media Indexer is not upgraded to v3.4.3, audio media is not relinked properly and does not play back within MediaCentral | UX.

  Workaround: Upgrade the Interplay Media Indexer to v3.4.3. This version of Media Indexer is supported with Interplay Production v3.1.x through v3.4.x.

- **Bug Number:** CORE-7270. Found in 2.7.0. When navigating through the folder structure in the Assets pane, repeatedly clicking the Back button might result in the following error: "Your user session has timed out. You need to sign in again." If this occurs, the session is ended and the user must sign back into MediaCentral UX.

  Workaround: After the user has signed back into MediaCentral UX, select the Reset Layout option from the Layout menu to eliminate future occurrences of the error.

- **Bug Number:** MPLAY-2595. Found in 2.7.0. When Asset Watermarking is enabled, a video track representing the watermark is added to the Media pane for Interplay MAM audio-only assets. Normally, MAM audio-only assets display an audio waveform slate in the Media pane.

  Workaround: None.

- **Bug Number:** MPLAY-2605. Found in 2.7.1. If a user manually moves MXF files from one location to another on an ISIS workspace, selecting Update Media Status does not bring the media back online.

  Workaround: Restart the avid-spooler service to bring the media back online in MediaCentral UX.

  Enter the following text to restart the service on a single server:

  ```
  service avid-spooler restart
  ```

Enter the following text on any cluster node to restart the service in a cluster configuration:

```
crm resource restart AvidAllEverywhere
```

Restarting the AvidAll cluster resource will temporarily disrupt media playback for any users logged into the system.

- **Bug Number:** MPLAY-2546. Found in 2.7.2. When exporting a sequence created in MediaCentral UX that contains quotes (“”) in the sequence name as an MP4 file, the Messages pane replaces the quote characters with: & quot;. For example the “conversion complete” message for a sequence named “My Sequence”, appears in Messages pane as:

  ""& quot;My Sequence& quot;" conversion to mp4 completed.

Editing

- **Bug Number:** SPEC-1920. Found in 2.7.1. Duplicating a basic sequence that contains a one or more group clips results in either an empty or uneditable advanced sequence.

- **Bug Number:** ICI-1203, SPEC-2782. Found in 2.7.1. A simple sequence (shotlist) created or edited in Media Composer v8.6.x, and checked into Interplay Production v3.6, cannot be edited in MediaCentral UX. This is a result of a change in how Media Composer v8.6.0 handles audio panning.

  Workaround: Add a feature toggle file to the Media Composer client system. See the Knowledge Base article at http://avid.force.com/pkb/articles/en_US/compatibility/Why-is-my-shotlist-no-longer-editable-in-MC-UX.

Playback

- **Bug Number:** MPLAY-2565, MPLAY-2575. Found in 2.7.0. In a multi-zone environment that consists of mixed versions of MediaCentral Platform Services, playback of remote assets on prior versions of MCS is not possible.

  For example, if the local zone is running MCS v2.6.2 or earlier, playback of assets on a remote zone running MCS v2.7.0 is normal. However, if the local zone is running v2.7.0, playback of assets from any remote zone running v2.6.2 or earlier is not possible.

  This issue only affects mixed multi-zone environments that include zones running MCS v2.6.2 or earlier.

- **Bug Number:** MPLAY-2602, MPLAY-2555. Found in 2.7.0. AVC-Ultra LongG media is especially taxing on the MediaCentral server’s CPU. When working with AVC-Ultra LongG in MediaCentral UX, Avid recommends using proxy media only to maximize playback performance. Attempting to play back full resolution AVC-Ultra LongG media might result in an unsatisfactory user experience (dropped frames or choppy playback).

  Workaround: If AVC-Ultra LongG media is used as the primary media format, system administrators might want to consider purchasing servers with more powerful processors which should enhance the playback performance of this media format.

Search

- **Bug Number:** JP-3301. Found in 2.7.0. In the Arabic user interface, you cannot use the keyboard to edit a date or time criterion.

  Workaround: Use the controls in the drop-down menu.

- **Bug Number:** JP-3381. Found in 2.7.0. Support for geographical searches based on “Location” has been added to the list of Indexed search criteria. This feature is not yet supported and will not function correctly. Do not use the Location criterion search at this time.

- **Bug Number:** JP-3460. Found in 2.7.1. If you are searching two or more MediaCentral systems, and select a sort criterion that is not available in at least one of the systems, no results are shown for the system that does not include that criterion. For example, System A has a property “Record Date” and System B does not. If you search for “*” (wild card) and sort the results by “Record Date,” no results are displayed for System B.

- **Bug Number:** TSL-3349. Found in 2.7.1. Sorting an Indexed search by some fields might return inconsistent or unexpected results.

  Interplay Production, Interplay MAM and Avid iNEWS each include database fields with the same ID, such as “Video”. However, the “type” associated with these fields might be different between the systems. For instance the Interplay Production Video ID is associated with type “string” and the Interplay MAM Video ID is associated with type “boolean”. When a user sorts search results by the Video field, the data returned data is sorted first by the type. Although functioning as designed, the data might not be sorted as the user expects.

Send to Playback

- **Bug Number:** MA-3569. Found in 2.7.0. When a Basic sequence is associated with an iNEWS story with an assigned Video ID and that sequence is sent to a playback device, the iNEWS Video ID is not maintained. This issue is only seen on Basic sequences and not Advanced sequences.

  Workaround: Prior to clicking the Send button, verify that the Video ID in the Send To Playback window includes the Video ID of the iNEWS story.

Stories

- **Bug Number:** OS-3371. Found in 2.7.0. If a story sequence created or last saved in MediaCentral UX v2.6 is loaded in v2.7, and contains timing blocks that were associated with empty text segments, and there have been no timing changes, clips will be incorrectly positioned (float) until you make an edit. However, audio-only clips are not repositioned.

  A similar situation occurs when opening a story sequence created or last saved in MediaCentral UX v2.7 in v2.6.

System

- **Bug Number:** ICS-5528. Found in 2.7.0. When upgrading from MCS v2.6.x, the upgrade of the sharded Mongo configuration might fail. This results in failures of the avid-iam service and the inability to log into MediaCentral UX.

If any errors were encountered during the software upgrade, the system will report the following message: `INSTALLATION FINISHED WITH ERRORS. Please check the output and log file /var/log/MediaCentral_Services_<version>_Build_<number>_Linux.log`

Workaround: The sharded Mongo configuration must be recreated by running the `clean_sharded_mongo` command on all cluster nodes or all nodes in a multi-zone environment. Once the clean command has been issued, a system administrator must run the sharded Mongo `setup.sh` script from the server that originally created the sharded Mongo configuration.

For additional details on each of these commands, see the "Sharded MongoDB" chapter of the *MediaCentral Platform Services Installation and Configuration Guide.*

➤ **Bug Number:** SPEC-1894, SPEC-2852. Originally found in 2.6.0. After applying the Interplay | Production Hostname in the System Settings during a new installation of MediaCentral Platform Services, the avid-interplay-central service does not connect to the Interplay Production system.

Workaround: To resolve this issue, complete the following:

1. Log into MediaCentral UX as the Administrator.
2. Open the System Settings and assign a Hostname in the Interplay | Production settings.
3. Click Apply and log out of MediaCentral UX.
4. Through the Linux console, restart the avid-interplay-central service:

   ```
   service avid-interplay-central restart
   ```
5. Log back into MediaCentral UX as the Administrator.
6. Click the Home button in the upper-left corner of the interface and select User Settings.
7. Select the Interplay | Production settings and assign an Interplay Production User Name and Password to the Administrator account.
8. Click Apply and log out of MediaCentral UX
9. Restart the avid-interplay-central service once more:

   ```
   service avid-interplay-central restart
   ```

   If all other settings have been configured through the MediaCentral UX System Settings, connection to Interplay Production should be available at the next login.

User Management

➤ **Bug Number:** ICS-5430. Found in 2.7.0. If a facility uses multiple Active Directory servers for redundancy, and lists them as Authentication Providers, importing creates duplicate groups of users.

Limitations and Defects Found in Version 2.6.x

Assets

➤ **Bug Number:** OS-3253. Found in 2.6.1. After recording a voice-over through the Asset tab of the Media pane, the voice-over asset cannot be immediately played back.

Workaround: After recording a voice-over, the user must a few seconds before attempting to play back the asset. If the asset is still unavailable, use the Media pane's context menu to Update Media Status.

Editing

- **Bug Number:** MPLAY-2432. Found in 2.6.1. When an asset consisting of spanned P2 media is loaded to the Media pane, the asset plays normally. When the same asset is cut into a sequence, the following error is displayed on playback:

  "Clip load failed: 1102 Asset can not be loaded, unable to parse select asset."

  Workaround: Enabling Dynamic Relink in the MCS System Settings allows the asset to play back normally.

- **Bug Number:** OS-3231. Found in 2.6.0. If you open and lock a story (on system A), open the script sequence, add or remove markers, then save and close the story, the sequence will not automatically save. If another user opens and locks the story (on system B) and opens the script sequence, that user sees the edited locators. On system A, if you attempt to lock the story again, an error message tells you cannot obtain the lock and will lose your edits if you continue. Click Cancel. Any added or removed markers in the sequence are lost. Behavior can be inconsistent in this case.

  Workaround: Make sure to save a sequence when you save and close the story.

Panes

- **Bug Number:** JP-2732. Found in 2.6.0. (Safari 9) Occasionally the resizing cursor disappears when you are trying to resize a pane. In addition, there are no selections in the Pane menu.

  Workaround: Close the pane and reopen it.

Limitations and Defects Found in Version 2.5.x

Closed Captioning

- **Bug Number:** SPEC-1291. Found in 2.5.0. Occasionally, alignment of closed captions is not preserved during a Repackage/Extract or Export/Import operation.

- **Bug Number:** ARC-630. Found in 2.5.0. If you import an SCC roll-up file, modify In points or Out points (for example to close gaps), then export as an SCC roll-up file, importing the file again results in an error.

User Management

- **Bug Number:** SPEC-1595. Found in 2.5.0. Users in a multi-zone / Media Index environment that have not previously accessed the remote Interplay Production database receive the following error when attempting to play assets through an Indexed search:

  Cannot find server responsible for providing media info for requested asset: interplay:<ID>: sequence:<ID>

  Normally, when selecting the remote asset a window appears asking the user for login information.

Workaround:

1. Verify that the user has a role (e.g “Journalist”) assigned to the user for both the local and remote zone.
2. Sign into the local MCS system and associate a PAM user with the MCS user.
3. Sign into the remote MCS system and associate a PAM user with the MCS user.

Restore from Interplay Archive

➤ **Bug Number:** IPI-997. Found in 2.5.0. When you configure the Production Engine Bus Connector (PEBCo) service for Archive Engine in Interplay Administrator v3.5 or earlier, an error displays: `Configuration error. No ACS Bus URL is configured.` The Server Hostname Settings icon is missing in the Interplay Administrator when you login to Archive Engine, so you cannot configure Bus AMQP URL.

Workaround: The Bus AMQP URL can be configured for an Interplay Archive Engine with v3.6 or later of the Interplay Administrator tool. This version of the tool is compatible with all prior version of Interplay Production v3.x.

For detailed instructions on configuring the Bus AMQP URL, see the *Avid Media | Index Configuration Guide Version 2.7*.

Mobile Apps

➤ **Bug Number:** LIZ-2299. (iOS apps only) If you try to select text in the body of a story while in edit mode by placing the cursor in a word and then double-tapping, the word is not selected, although it is highlighted. This occurs in mobile devices running the iOS 8.x mobile operating system.

Workaround: Tap and hold in the story to select text, or double-tap the word you want to edit.

Limitations and Defects Found in Version 2.4.x

Editing

➤ **Bug Number:** OS-2760, OS-2761. Found in 2.4.0. If you archive and restore a sequence in Interplay Production, the sequence is no longer editable in MediaCentral UX.

➤ **Bug Number:** OS-2759. Found in 2.4.0. In MediaCentral UX, timing blocks have a minimum size of 1 second, even if the media inside of them do not fill this area. In Instinct, timing blocks are only as long as they have to be to contain media.

If you load a sequence created in Instinct that has clips shorter than 1 second, clips are displayed next to each other in the same timing block, but programmatically belong to separate timing blocks. After you make an edit, the clips are displayed in different timing blocks.

User Management

➤ **Bug Number:** ICS-4449. (Safari only) Found in 2.4.1. A MediaCentral UX user password is limited to 255 characters. If an administrator enters a password of more than 255 characters in the Change Password dialog box and clicks OK, the dialog box closes without an error message. However, only the first 255 characters are saved and the user will not be able to sign in with the planned password.

Limitations and Defects Found in Version 2.3.x

Editing

- **Bug Number:** SPEC-443. Originally reported in v2.2.0, this issue has been updated for v2.3.0. The media status for STP is incorrect for partially online media. For example, if you consolidate a sequence to DV 25 (partially online), then select an STP profile, the text resolution in the Media pane output mode is still shown in red for DV 25.

  Workaround: Sign out, sign in again, and send to playback again.

Mobile Apps

- **Bug Number:** LIZ-1292. Found in 2.3.0. (Android only) If you use the position indicator to scrub through a video in the Media viewer and then play the clip, the video might not start from where you place the position indicator. This can occur when scrubbing forward or backward and might cause playback to begin at an unexpected position.

Playback

- **Bug Number:** MPLAY-1928. Found in 2.3.0. When accessing certain features while playing media in frame-based playback mode within MediaCentral UX in Google Chrome, you may encounter a stutter in the audio. Features that could present this issue are: adding a marker, adding a search criteria field in the Search pane, and more. This is due to a limitation in the Flash Player that is bundled with Chrome.

  Workaround: Download and install the full version of Flash Player. This will add a new Flash plug-in to Chrome.

  For more information follow this link to access the Avid Knowledge Base.

System

- **Bug Number:** ICI-781. Found in 2.3.1. When switching to the System Settings layout in certain versions of the Chrome browser, the user may encounter a blank (grey) user interface or potential error messages. See the following link on the Avid Knowledge Base for further detail and methods to resolve this issue:

  http://avid.force.com/pkb/articles/en_US/troubleshooting/MediaCentral-Product-Alert-Chrome-version-44

- **Bug Number:** MPLAY-1943. Found in 2.3.2. When exporting an MP4 file, the user is sent a link in the Messages pane to the file download location. Selecting the link should begin the file download process. If the address (hostname) entered in the web browser does not match the hostname entered in MediaCentral UX System Settings (Player setting), a second MediaCentral UX browser tab is opened instead.

  Workaround: Verify that the hostname entered in the Player settings matches the hostname entered into the web browser address bar. In both cases, the fully qualified domain name (FQDN) should be used. Alternatively, log into the second MediaCentral UX browser tab that appears and the file download will begin.

Limitations and Defects Found in Version 2.2.x

Media | Distribute

- **Bug Number:** MPD-1126, MPD-1127. Found in 2.2.1. Media Distribute might not import the backtime values from iNEWS stories in the correct format: either *hh:mm:ss* and seconds (from 12:00 AM) — for example, 17:00:00 and 61200 [seconds].

  Workaround: If the iNEWS air date or backtime values associated with your media package are not correct, manually edit the scheduled delivery information for your story.

Playback

- **Bug Number:** MPLAY-1708. Found in 2.2.0. In file-based playback you cannot mute a clip containing MP4 mono audio tracks.

Limitations and Defects Found in Version 2.1.x

Delivery

- **Bug Number:** EA-2640, SPEC-99. If you create a Delivery profile in Interplay that includes subjobs, and use that profile for the Deliver to Me feature, MediaCentral displays the following error message: “Batched IDs list has different size than delivered assets number.” Subjobs are not supported for MediaCentral Delivery.

Editing

- **Bug Number:** PLAD-87. Metadata Pane: Custom metadata fields that are not selected as available in the Interplay Administrator (Property Layout > Custom Metadata tab) are still visible to users signed in to MediaCentral UX.

  Workaround: In the Interplay Administrator, deselect the Inspector Default column before you deselect the Available column.

Playback

- **Bug Number:** MPLAY-1670. In file-based playback, a problem may arise if more than one user is playing the same clip. If the first user to play the asset ends the playback session, playback will stop for the second user, near the point where the session was ended. Playback beyond that point will not be possible, though partial scrubbing may work.

  Workaround: Click the Pane Menu button, then click Update Media Status, twice. The clip will play as expected.

- **Bug Number:** MPLAY-2016, MPLAY-1794. In file-based playback, if you start playback from part-way along the Media Timeline then jump to the beginning of the clip, the beginning of a clip may not play. The asset continues to load from the initial position indicator only.

  Workaround: Click a few times in the Media Timeline close to the first frame. The asset will load correctly.

Media | Distribute

➤ **Bug Number:** MPD-1059, MPD-1066. If you attach both a video and an image to a Facebook post in the Social Message pane, a message appears: “Video profile ‘[*profile_name*]’ configured but not associated with any story. Are you sure you want to post this message?” This is as designed and occurs because Facebook postings allow text and either a video or an image. If your media bundle includes both a video and an image, the image prevents the video from being posted to Facebook.

Workaround: Click No to dismiss the error message, remove either the video or the image from the Social Message pane, and then publish your bundle to Facebook.

Mobile Apps

➤ **Bug Number:** LIZ-1317. Avid MediaCentral UX for Android devices does not support moving or deleting production cues while in Edit mode.

Limitations and Defects Found in Version 2.0.x

Delivery

➤ **Bug Number:** ICI-312, EA-2262. 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 for the requested resolution.

iNEWS Community

➤ **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:** 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:

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, PLAD-25. If a sequence includes a restriction, and you mix down the sequence, you cannot delete the restriction on the mixed-down sequence.

Limitations and Defects Found in Version 1.8.x

All limitations and defects published in *Interplay Central Services V1.8 ReadMe* have been fixed.

Limitations and Defects Found in Version 1.7.x

Playback

➤ **Bug Number:** No number. 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.

Update: (MPLAY-1896) MCS v2.3 no longer displays the “Asset not supported” message. The FrameFlex and Lut effects are now ignored.

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.

Limitations and Defects Found in Version 1.6.x

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

Limitations and Defects Found in Version 1.5.x

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-904, EA-1956, PLAD-41. (MediaCentral UX) Performing a match frame on assets with effects applied to them in complex sequences does not work. **Workaround:** None.

➤ **Bug Number:** MPLAY-718. (MediaCentral UX) Repeatedly clicking the “refresh” button in the Ingest Folder during EWC results in “media offline.”

Workaround: Select “Update Status” from the player drop-down options menu on any asset that appears as Media Offline to refresh the 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 file-based media can occur, when seeking. **Workaround:** None.

Group Clips

➤ **Bug Number:** ICI-9. Playback of a 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.

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 become 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:** EA-2829. If a sequence contains restricted material and the restricted segments are removed by trimming, 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.x

All limitations and defects published in *Interplay Central Services V1.4 ReadMe* have been fixed.

Limitations and Defects Found in Version 1.3.x

Playback

- **Bug Number:** MPLAY-1669, MPLAY-686. (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.

  This bug suggests a workflow that is no longer available. Audio panning features were grayed-out starting with MediaCentral UX v2.0.2.

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.

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.

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.

OMF Support

➤ OMF workflows are not 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.

Legal Notices

Product specifications are subject to change without notice and do not represent a commitment on the part of Avid Technology, Inc.

This product is subject to the terms and conditions of a software license agreement provided with the software. The product may only be used in accordance with the license agreement.

This product may be protected by one or more U.S. and non-U.S patents. Details are available at www.avid.com/patents.

This guide is protected by copyright. This guide is for your personal use and may not be reproduced or distributed, in whole or in part, without permission of Avid. Reasonable care has been taken in preparing this guide; however, it may contain omissions, technical inaccuracies, or typographical errors. Avid Technology, Inc. disclaims liability for all losses incurred through the use of this document. Product specifications are subject to change without notice.

Copyright © 2017 Avid Technology, Inc. and its licensors. All rights reserved.

The following disclaimer is required by Apple Computer, Inc.:

APPLE COMPUTER, INC. MAKES NO WARRANTIES WHATSOEVER, EITHER EXPRESS OR IMPLIED, REGARDING THIS PRODUCT, INCLUDING WARRANTIES WITH RESPECT TO ITS MERCHANTABILITY OR ITS FITNESS FOR ANY PARTICULAR PURPOSE. THE EXCLUSION OF IMPLIED WARRANTIES IS NOT PERMITTED BY SOME STATES. THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY PROVIDES YOU WITH SPECIFIC LEGAL RIGHTS. THERE MAY BE OTHER RIGHTS THAT YOU MAY HAVE WHICH VARY FROM STATE TO STATE.

The following disclaimer is required by Sam Leffler and Silicon Graphics, Inc. for the use of their TIFF library:

Copyright © 1988–1997 Sam Leffler
Copyright © 1991–1997 Silicon Graphics, Inc.

Permission to use, copy, modify, distribute, and sell this software [i.e., the TIFF library] and its documentation for any purpose is hereby granted without fee, provided that (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and (ii) the names of Sam Leffler and Silicon Graphics may not be used in any advertising or publicity relating to the software without the specific, prior written permission of Sam Leffler and Silicon Graphics.

THE SOFTWARE IS PROVIDED “AS-IS” AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The following disclaimer is required by the Independent JPEG Group:

This software is based in part on the work of the Independent JPEG Group.

This Software may contain components licensed under the following conditions:

Copyright (c) 1989 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS'' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Copyright (C) 1989, 1991 by Jef Poskanzer.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. This software is provided " as is" without express or implied warranty.

Copyright 1995, Trinity College Computing Center. Written by David Chappell.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. This software is provided " as is" without express or implied warranty.

Copyright 1996 Daniel Dardailler.

Permission to use, copy, modify, distribute, and sell this software for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Daniel Dardailler not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Daniel Dardailler makes no representations about the suitability of this software for any purpose. It is provided " as is" without express or implied warranty.

Modifications Copyright 1999 Matt Koss, under the same license as above.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED " AS IS" , WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

This product includes software developed by the University of California, Berkeley and its contributors.

The following disclaimer is required by Paradigm Matrix:

Portions of this software licensed from Paradigm Matrix.

The following disclaimer is required by Ray Sauers Associates, Inc.:

“Install-It” is licensed from Ray Sauers Associates, Inc. End-User is prohibited from taking any action to derive a source code equivalent of “Install-It,” including by reverse assembly or reverse compilation, Ray Sauers Associates, Inc. shall in no event be liable for any damages resulting from reseller’s failure to perform reseller’s obligation; or any damages arising from use or operation of reseller’s products or the software; or any other damages, including but not limited to, incidental, direct, indirect, special or consequential Damages including lost profits, or damages resulting from loss of use or inability to use reseller’s products or the software for any reason including copyright or patent infringement, or lost data, even if Ray Sauers Associates has been advised, knew or should have known of the possibility of such damages.

The following disclaimer is required by Videomedia, Inc.:

“Videomedia, Inc. makes no warranties whatsoever, either express or implied, regarding this product, including warranties with respect to its merchantability or its fitness for any particular purpose.”

“This software contains V-LAN ver. 3.0 Command Protocols which communicate with V-LAN ver. 3.0 products developed by Videomedia, Inc. and V-LAN ver. 3.0 compatible products developed by third parties under license from Videomedia, Inc. Use of this software will allow “frame accurate” editing control of applicable videotape recorder decks, videodisc recorders/players and the like.”

The following disclaimer is required by Altura Software, Inc. for the use of its Mac2Win software and Sample Source Code:

©1993–1998 Altura Software, Inc.

The following disclaimer is required by 3Prong.com Inc.:

Certain waveform and vector monitoring capabilities are provided under a license from 3Prong.com Inc.

The following disclaimer is required by Interplay Entertainment Corp.:

The “Interplay” name is used with the permission of Interplay Entertainment Corp., which bears no responsibility for Avid products.

This product includes portions of the Alloy Look & Feel software from Incors GmbH.

This product includes software developed by the Apache Software Foundation (http://www.apache.org/).

© DevelopMentor

This product may include the JCifs library, for which the following notice applies:

JCifs © Copyright 2004, The JCIFS Project, is licensed under LGPL (http://jcifs.samba.org/). See the LGPL.txt file in the Third Party Software directory on the installation CD.

Avid Interplay contains components licensed from LavanTech. These components may only be used as part of and in connection with Avid Interplay.

Portions © Copyright 2003-2007 of MOG Solutions.

Attn. Government User(s). Restricted Rights Legend

U.S. GOVERNMENT RESTRICTED RIGHTS. This Software and its documentation are “commercial computer software” or “commercial computer software documentation.” In the event that such Software or documentation is acquired by or on behalf of a unit or agency of the U.S. Government, all rights with respect to this Software and documentation are subject to the terms of the License Agreement, pursuant to FAR §12.212(a) and/or DFARS §227.7202-1(a), as applicable.

Trademarks

Avid, the Avid Logo, Avid Everywhere, Avid DNXHD, Avid DNXHR, Avid Nexis, AirSpeed, Eleven, EUCON, Interplay, iNEWS, ISIS, Mbox, MediaCentral, Media Composer, NewsCutter, Pro Tools, ProSet and RealSet, Maestro, PlayMaker, Sibelius, Symphony, and all related product names and logos, are registered or unregistered trademarks of Avid Technology, Inc. in the United States and/or other countries. The Interplay name is used with the permission of the Interplay Entertainment Corp. which bears no responsibility for Avid products. All other trademarks are the property of their respective owners. For a full list of Avid trademarks, see: http://www.avid.com/US/about-avid/legal-notices/trademarks.

Avid MediaCentral Platform Services v2.9.0 ReadMe • Revised March 17, 2017 • This document is distributed by Avid in online (electronic) form only, and is not available for purchase in printed form.