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

<table>
<thead>
<tr>
<th>Date Revised</th>
<th>Changes Made</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 26, 2017</td>
<td>Added a note to the upgrade process for sites using the Assignments Pane, indicating that Assignments v2.10.0 is a prerequisite for Assignments v2.10.1.</td>
</tr>
<tr>
<td>April 27, 2017</td>
<td>MediaCentral v2.10.1 Release</td>
</tr>
<tr>
<td>April 14, 2017</td>
<td>Added a limitation regarding the use of Media Index with Interplay MAM systems. For more information, see TSL-4015 in “Limitations and Defects Found in Version 2.10” on page 40.</td>
</tr>
<tr>
<td>April 3, 2017</td>
<td>The status of DAEM-3519 has been changed from Fixed to Limitation. The associated item in the New Features section has been removed.</td>
</tr>
<tr>
<td>March 30, 2017</td>
<td>MediaCentral v2.10 First Publication</td>
</tr>
</tbody>
</table>

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About MediaCentral Platform Services v2.10.1

Avid MediaCentral Platform Services (MCS) v2.10.1 is an update release that provides bug fixes. In addition to listing the changes for v2.10.1, this document contains all information provided in the previously published MCS v2.10.0 ReadMe.

For more information, see the following topics:
- “Installing MediaCentral Platform Services v2.10.1” on page 17
- “New Features in MediaCentral | UX v2.10.1” on page 27
- “Fixed in Version 2.10.1” on page 34
- “Limitations and Defects Found in Version 2.10.1” on page 39

Documentation

For the latest information on MediaCentral Platform Services, see the v2.10.x documentation page on the Avid Knowledge Base:


Localized User Interface and Documentation

The MediaCentral UX user interface is available in the following languages:
- Arabic
- English
- Estonian
- French
- German
- Italian
- Japanese
- Korean
- Portuguese
- Simplified Chinese
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 v2.10.1 are returned as follows:

Copyright 2014-2016 by Avid Technology, Inc.

System ID: MediaCentral Services:

UMS Version: 2.10.1.0-1.noarch
ICPS Version: 2.10.1.0-12460350AVID.x86_64
ICPS manager Version: 2.10.1-33.noarch
ACS Version: 3.5.7_5_g866858b-1.x86_64
<system type>
ICS installer: 2.10.1 (Build 42)
Created on Thu Apr 27 05:22:26 EDT 2017

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 additional features are installed, version information on those components is also included in the output:

Media Distribute Services:
ServiceMix  Version: 4.5.1
MPD  Version: 2.10.1.20170420_144003
MPD UI  Version: 2.10.1.20170420_144003

MAM Connector  Version: 2.10.1.v20170420_114016-1
Close Captioning  Version: 2.10.7-1.noarch
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 v2.10.x.

Multi-Zone

MediaCentral Platform Services v2.10.x supports multi-zone configurations consisting of mixed v2.8.x – v2.10.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:


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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Version</th>
</tr>
</thead>
</table>
| 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:

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.

The MediaCentral UX Mobile app v2.10 supports connection to servers running MediaCentral Platform Services v2.10, and prior releases listed in the Compatibility Support Matrix. However, sites that have upgraded the servers to v2.10 must upgrade the mobile client to v2.10.

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

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.

<table>
<thead>
<tr>
<th>Object Type</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master clips</td>
<td>Supported</td>
</tr>
<tr>
<td>Subclips</td>
<td>Supported</td>
</tr>
<tr>
<td>Group clips</td>
<td>Supported*</td>
</tr>
<tr>
<td>Multigroup clips</td>
<td>Unsupported</td>
</tr>
<tr>
<td>Freeze-frame clips</td>
<td>Supported</td>
</tr>
<tr>
<td>Sequences (no effects)</td>
<td>Supported</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Media Format</th>
<th>Support for Playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNxHD 1080 36-45</td>
<td>All frame rates</td>
</tr>
<tr>
<td>DNxHD 1080 80-85-100</td>
<td>All frame rates</td>
</tr>
<tr>
<td>DNxHD 1080 115-120-145</td>
<td>All frame rates</td>
</tr>
<tr>
<td>DNxHD 1080 175-185-220</td>
<td>All frame rates</td>
</tr>
<tr>
<td>DNxHD 1080 175X-185X-220X</td>
<td>All frame rates</td>
</tr>
<tr>
<td>DNxHD 720p 40</td>
<td>Not Supported</td>
</tr>
</tbody>
</table>

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

### DNxHD Format Support (Continued)

<table>
<thead>
<tr>
<th>Media Format</th>
<th>Support for Playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNxHD 720p 45-50</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>DNxHD 720p 60-75</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>DNxHD 720p 90-110</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>DNxHD 720p 90X-110X</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>DNxHD 720p 85-100</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>DNxHD 720p 120-145</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>DNxHD 720p 185-220</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>DNxHD 720p 185X-220X</td>
<td>50, 59.94</td>
</tr>
</tbody>
</table>

Additional formats supported with Interplay Production 3.2, Media Composer Cloud 1.2.0, and later

<table>
<thead>
<tr>
<th>Media Format</th>
<th>Support for Playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNxHD 1080p 75-90</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>DNxHD 1080p 165-200</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>DNxHD 1080p 240-290</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>DNxHD 1080p 365-440</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>DNxHD 1080p 365X-440X</td>
<td>50, 59.94</td>
</tr>
</tbody>
</table>

### Other Format Support

<table>
<thead>
<tr>
<th>Media Format</th>
<th>Support for Playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 8-bit, 10-bit</td>
<td>All frame rates</td>
</tr>
<tr>
<td></td>
<td>Media Composer Cloud only</td>
</tr>
<tr>
<td>Apple ProRes</td>
<td>Unsupported</td>
</tr>
<tr>
<td>AVC-Intra 50, 1080i</td>
<td>All frame rates</td>
</tr>
<tr>
<td>AVC-Intra 50, 720p</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>AVC-Intra 100, 1080i</td>
<td>All frame rates</td>
</tr>
<tr>
<td>AVC-Intra 100, 720p</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>AVC Long GOP 12, 720p</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>AVC Long GOP 12, 1080i</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>AVC Long GOP 25, 720p</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>AVC Long GOP 25, 1080i</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>AVC Long GOP 50, 720p</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>AVC Long GOP 50, 1080i</td>
<td>50, 59.94</td>
</tr>
</tbody>
</table>
### Other Format Support (Continued)

<table>
<thead>
<tr>
<th>Media Format</th>
<th>Support for Playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVC Long GOP 12, 1080p</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>AVC Long GOP 25, 1080p</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>AVC Long GOP 50, 1080p</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>XAVC Intra 50, 1080i</td>
<td>50, 60, 23.98</td>
</tr>
<tr>
<td>XAVC-Intra 100, 1080i</td>
<td>50, 60, 23.98</td>
</tr>
<tr>
<td>XAVC Long GOP 25, 1080i*</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>XAVC Long GOP 35, 1080i*</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>XAVC Long GOP 50, 1080i*</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>XAVC Long GOP 50, 720p*</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>Avid JFIF 2:1, 3:1, 10:1, 20:1</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>DV 25 411</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>DV 25 420</td>
<td>25</td>
</tr>
<tr>
<td>DV 50</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>DV100 HD 1080i (DVCPRO HD)</td>
<td>All frame rates</td>
</tr>
<tr>
<td>DV100 HD 720p (DVCPRO HD)</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>H.263 (MPEG-1 Layer 2 proxy)</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>H.264 (MPEG-1 Layer 2 proxy) 800 Kbps, 2 Mbps, 3 Mbps</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>HDV 1080i</td>
<td>All frame rates</td>
</tr>
<tr>
<td>HDV 720p</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>JPEG 2000</td>
<td>No support</td>
</tr>
<tr>
<td>MPEG (IMX) 30</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>MPEG (IMX) 40</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>MPEG (IMX) 50</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>MPEG-2 Long GOP</td>
<td>25, 29.97</td>
</tr>
<tr>
<td>RGB</td>
<td>No support</td>
</tr>
<tr>
<td>XDCAM-HD 17.5/35/50 Mbps 1080i</td>
<td>All frame rates</td>
</tr>
<tr>
<td>XDCAM-HD 50 Mbps 1080p</td>
<td>All frame rates</td>
</tr>
<tr>
<td>XDCAM-HD 17.5/35/50 Mbps 720p</td>
<td>50, 59.94</td>
</tr>
<tr>
<td>XDCAM-EX 35 Mbps 1080i</td>
<td>All frame rates</td>
</tr>
<tr>
<td>XDCAM-EX 35 Mbps 720p</td>
<td>50, 59.94</td>
</tr>
</tbody>
</table>
**Compatibility Notes and Issues**

* Frame rate not guaranteed. Frame rate might temporarily be reduced during playback.

**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.

<table>
<thead>
<tr>
<th>Media Format</th>
<th>Frame Rate</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVC-Intra 50 1080i</td>
<td>50, 59.94</td>
<td></td>
</tr>
<tr>
<td>AVC-Intra 50 720p</td>
<td>50, 59.94</td>
<td></td>
</tr>
<tr>
<td>AVC-Intra 100 1080i</td>
<td>50, 59.94</td>
<td></td>
</tr>
<tr>
<td>AVC-Intra 100 720p</td>
<td>50, 59.94</td>
<td></td>
</tr>
<tr>
<td>AVC Long GOP 12, 720p</td>
<td>50, 59.94</td>
<td>Requires MCDS v3.6</td>
</tr>
<tr>
<td>AVC Long GOP 12, 1080i</td>
<td>25, 29.97</td>
<td>Requires MCDS v3.6</td>
</tr>
<tr>
<td>AVC Long GOP 25, 720p</td>
<td>50, 59.94</td>
<td>Requires MCDS v3.6</td>
</tr>
<tr>
<td>AVC Long GOP 25, 1080i</td>
<td>25, 29.97</td>
<td>Requires MCDS v3.6</td>
</tr>
<tr>
<td>AVC Long GOP 50, 720p</td>
<td>50, 59.94</td>
<td>Requires MCDS v3.6</td>
</tr>
<tr>
<td>AVC Long GOP 50, 1080i</td>
<td>25, 29.97</td>
<td>Requires MCDS v3.6</td>
</tr>
<tr>
<td>XAVC-Intra 50 1080i</td>
<td>50, 60</td>
<td>Not supported</td>
</tr>
<tr>
<td>XAVC-Intra 100 1080i</td>
<td>50, 60</td>
<td>Added in MCDS V3.3</td>
</tr>
<tr>
<td>DNxHD 1080 115-120-145</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>DNxHD 1080 175-185-220</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>DNxHD 1080 175X-185X-220X</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>DNxHD 720 60-75-145</td>
<td>25, 29.97, 50, 59.94</td>
<td></td>
</tr>
<tr>
<td>DNxHD 720 90-110-220</td>
<td>25, 29.97, 50, 59.94</td>
<td></td>
</tr>
<tr>
<td>DNxHD 720 90X-110X-220X</td>
<td>25, 29.97, 50, 59.94</td>
<td></td>
</tr>
<tr>
<td>DV 25 411</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>DV 25 420</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>DV 50</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>DV100 HD 1080i (DVCPro HD)</td>
<td>50, 59.94</td>
<td>Added in MCDS V3.0</td>
</tr>
<tr>
<td>DV100 HD 720p (DVCPro HD)</td>
<td>50, 59.94</td>
<td>Added in MCDS V3.0</td>
</tr>
<tr>
<td>MPEG 30 (IMX)</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>MPEG 40 (IMX)</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>MPEG 50 (IMX)</td>
<td>25, 29.97</td>
<td></td>
</tr>
<tr>
<td>XDCAM-HD 35 Mbps 1080i</td>
<td>50, 59.94</td>
<td>Requires STP Encode</td>
</tr>
<tr>
<td>XDCAM-HD 50 Mbps 1080i</td>
<td>50, 59.94</td>
<td>Requires STP Encode</td>
</tr>
<tr>
<td>Media Format</td>
<td>Frame Rate</td>
<td>Notes</td>
</tr>
<tr>
<td>---------------------------</td>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>XDCAM-HD 50 Mbps 720p</td>
<td>50, 59.94</td>
<td>Requires STP Encode</td>
</tr>
<tr>
<td>XDCAM-EX 35 Mbps 1080i</td>
<td>50, 59.94</td>
<td>Requires STP Encode</td>
</tr>
<tr>
<td>XDCAM-EX 35 Mbps 720p</td>
<td>50, 59.94</td>
<td>Requires STP Encode</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Proxy Setting (16:9, 30 fps)</th>
<th>Bandwidth Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>Quality</td>
</tr>
<tr>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>348 px</td>
<td>Good</td>
</tr>
<tr>
<td>Better</td>
<td>60</td>
</tr>
<tr>
<td>Best</td>
<td>80</td>
</tr>
<tr>
<td>400 px</td>
<td>Good</td>
</tr>
<tr>
<td>Better</td>
<td>60</td>
</tr>
<tr>
<td>Best</td>
<td>80</td>
</tr>
<tr>
<td>480 px</td>
<td>Good</td>
</tr>
<tr>
<td>Better</td>
<td>60</td>
</tr>
<tr>
<td>Best</td>
<td>80</td>
</tr>
<tr>
<td>560 px</td>
<td>Good</td>
</tr>
<tr>
<td>Better</td>
<td>60</td>
</tr>
<tr>
<td>Best</td>
<td>80</td>
</tr>
<tr>
<td>640 px</td>
<td>Good</td>
</tr>
<tr>
<td>Better</td>
<td>60</td>
</tr>
<tr>
<td>Best</td>
<td>80</td>
</tr>
<tr>
<td>720 px</td>
<td>Good</td>
</tr>
<tr>
<td>Better</td>
<td>60</td>
</tr>
<tr>
<td>Best</td>
<td>80</td>
</tr>
<tr>
<td>960 px</td>
<td>Good</td>
</tr>
<tr>
<td>Better</td>
<td>60</td>
</tr>
<tr>
<td>Best</td>
<td>80</td>
</tr>
</tbody>
</table>

The following table explains the contents in detail.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>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.</td>
</tr>
<tr>
<td>Quality</td>
<td>Refers to the quality setting in the Player set via the UI.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Value</td>
<td>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).</td>
</tr>
<tr>
<td>Peak</td>
<td>Video with high color variation (e.g. wide shot of a crowd)</td>
</tr>
<tr>
<td>Valley</td>
<td>Video with low color variation (e.g. half of frame consists of a clear blue sky)</td>
</tr>
<tr>
<td>Typical</td>
<td>A wide range of footage (e.g. interiors, exteriors, interviews). The typical shot tends closer to valley values than peak values.</td>
</tr>
<tr>
<td>Audio</td>
<td>All bandwidth figures include audio consisting of 44.1 kHz sample rate x 16-bit/sample x 2 tracks = 1.4 Mbps</td>
</tr>
</tbody>
</table>
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:


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:


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:


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:

Installing MediaCentral Platform Services v2.10

The MediaCentral Platform Services (MCS) v2.10 installation package is available as a full installation package, for upgrades or new installations.

- For systems running MediaCentral Platform Services v2.9.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.


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_2.10_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 V2.10 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 v2.10.x:

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

After MediaCentral UX is upgraded to v2.10.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:

Installing MediaCentral Platform Services v2.10.1

MediaCentral Platform Services (MCS) v2.10.1 is a cumulative update that provides bug fixes. MCS v2.10.1 requires prior installation of MCS v2.10.0.

The following topics describe how to install the MCS v2.10.1 update release:

- “Upgrading the iNEWS Client Version” on page 17
- “Obtaining the MCS Installation Packages” on page 17
- “Copying Software to the MCS Server” on page 18
- “Updating a Single-Server System from MCS v2.10.0 to MCS v2.10.1” on page 20
- “Updating a Cluster System from MCS v2.10.0 to MCS v2.10.1” on page 21

⚠ You must install MCS v2.10.0 before you install the MCS v2.10.1 update.

Upgrading the iNEWS Client Version

If your workflow includes integration with Avid iNEWS, ensure that your iNEWS system is updated with the iNEWS Client Version for this release of MCS. See “Editing SYSTEM.CLIENT.Versions” in the MediaCentral Platform Services Installation and Configuration Guide for instructions on adding the client version to the iNEWS system.

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_Update_2.10.1_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 V2.10 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.
**Copying Software to the MCS Server**

At various times during the upgrade, you will need to copy software to the MCS server. The following two processes are provided as examples of how to complete this task:

- Using a Windows system and a SFTP tool such as WinSCP
- Connecting a USB drive directly to the server

**To copy software using WinSCP:**

1. Download and install the WinSCP software on a Windows system that has network access to the MCS server.
   
   The WinSCP software can be found at: http://winscp.net.

2. Launch WinSCP.

3. Click the New button and enter the Host name (or IP address) of your server, User name (root), and Password.

4. Click Login.

   The following warning message is displayed: “Continue connecting and add host key to the cache?”

5. Click Yes.

   The WinSCP interface is displayed. The left pane represents your source Windows system. The right pane represents your MCS server.

6. Navigate to the location of the downloaded MCS installation files in the left pane.

7. Navigate to the `/media` folder on the MCS server in the right pane.

8. Create a directory structure for the MCS installer:
   
   a. Right-click in the right pane and select New > Directory.

   b. In the “New folder name” field, type `installers` and click OK.

   c. Double-click on the new `installers` folder in the right pane.
d. When copying the MCS installer to the server, the installer must be contained in its own folder. Create a sub folder for the MCS installer:

Example: /media/installers/MCS_2.10.1

When manually creating folders, avoid spaces and other illegal Linux characters. Installations will fail if spaces or illegal characters are encountered in the file path.

e. Drag and drop the files or folders you wish to copy from the left pane to the right. Depending on your WinSCP settings, you might see a dialog box asking if you want to copy the files to the remote directory. If asked, click Copy.

9. After all desired files or folders have been copied, close WinSCP.

To copy software using a USB drive:

1. Insert the USB drive into the MCS server.
2. Use the display message command to verify the name of the device:

   dmesg

   Information relating to the hardware appears on the screen.

   Information for the USB drive will appear near the end of the output, near the list of SCSI devices. The name of the USB drive is found inside square brackets (for example, sdc). This is the name you use to mount the drive.

3. If needed, create a mount point for the USB drive:

   mkdir /media/usb

4. Mount the USB drive at the mount point you just created:

   mount /dev/sdc1 /media/usb

   Note the name of the USB drive, sdc (in this case) takes a 1 (one) in the mount command. This simply indicates a partition exists on the drive. When the USB drive was formatted, the partition was created.

   The USB drive is now mounted and available for use.

5. Verify that the USB drive has been mounted:

   df -h

   Information is displayed about all mounted filesystems and devices, and should include information about the USB drive, similar to the following (some output omitted for clarity):

   Filesystem Size Used Avail Use% Mounted on
   /dev/sdc1 7.5G 5.3G 2.2G 71% /media/usb

6. Change to the USB mount point:

   cd /media/usb

7. If necessary, create a directory for the installer packages:

   mkdir /media/installers

8. When copying the MCS installer to the server, the installer must be contained in its own folder. Create a sub folder for the MCS installer:

   mkdir /media/installers/MCS_2.10.1

When manually creating folders, avoid spaces and other illegal Linux characters. Installations will fail if spaces or illegal characters are encountered in the file path.
9. Copy files to the MCS server:
   For a single file: `cp filename /media/installers/MCS_2.10.1`
   For a folder: `cp -R foldername /media/installers/MCS_2.10.1`

10. Once you have finished coping all necessary files, unmount the USB drive.
    ```
    cd
    ```

    In Linux the `cd` command without any arguments takes you directly to the user's home directory. If you are logged in as root, it takes you to the /root directory. RHEL will not unmount the USB drive if it is the current active directory.

    ```
    umount /media/usb
    ```

    If you receive an error message that the USB device is busy, it typically indicates that the Linux ISO on the USB drive was auto-mounted. Verify what is mounted using the `df -h` command or the `mount` command, or both. Then dismount the Linux ISO first, followed by the USB device:
    ```
    umount /sysinstall
    umount /media/usb
    ```

11. Remove the USB drive from the server.

### Updating a Single-Server System from MCS v2.10.0 to MCS v2.10.1

Installing MCS v2.10.1 on a server already running MCS v2.10.0 is a simple automated update of the affected packages. All MCS v2.10.0 system settings are preserved. There is no requirement to manually backup or restore any MCS system settings.

**Expected downtime:** 30 minutes.

**To install MCS v2.10.1 on a single server:**

1. Log in to Linux as the root user.
2. Copy the installation package to the MCS server.
   See “Copying Software to the MCS Server” on page 18.
3. Navigate to the directory containing the installer (example path below):
   ```
   cd /media/installers/MCS_2.10.1
   ```
4. Unzip the installation package:
   ```
   unzip MediaCentral_Services_Update_2.10.1_Linux.zip
   ```
5. Although the upgrade is non-destructive, it is a good idea to backup the MCS settings and database. Back up the MCS settings and database using the backup script:
   ```
   ./system-backup.sh -b
   ```
6. Start the installation script:
   ```
   ./install.sh
   ```

   Be sure to use the dot-slash ("./") notation, which tells Linux to look for the installation script in the current directory. Otherwise you will receive the following error message:

   ```
   -bash: install.sh: command not found
   ```
During the installation process, progress is displayed. The update completes with an indication of success:

**INSTALLATION FINISHED**

If any errors were encountered during the 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

If you see any messages relating to .rpmnew files, see the section on “Modifying Configuration Files” in the *MediaCentral Platform Services Installation and Configuration Guide* for more information.

7. Verify that the installation was successful using the *ics_version* script:

```
ics_version
```

For the correct version numbers, see “System Version Numbers” on page 3.

If you receive a “command not found” error, logout and log back into the server or SSH session (PuTTY). This will refresh the login for the upgraded system and should allow the command to run properly.

8. If additional components (e.g. Closed Captioning Service, MAM Connector, Media Distribute, etc.) require updating, complete those upgrades at this time. Failure to upgrade previously installed components may result in unexpected errors when testing the system.

If you plan to install v2.10.1 of the Assignments Pane, note that v2.10.1 Assignments is not a full installer. You must first install the Assignments Pane v2.10.0 and then install v2.10.1 as a second step.

9. Once the upgrade is complete, you should verify basic functionality. For more information, see the “Verifying the Installation” chapter of the *MediaCentral Platform Services Installation and Configuration Guide*.

### Updating a Cluster System from MCS v2.10.0 to MCS v2.10.1

Installing MCS v2.10.1 on a cluster already running MCS v2.10.0 is a simple automated update of the affected packages. All MCS v2.10.0 system settings are preserved. There is no requirement to manually back up or restore any MCS system settings. All nodes must be brought off-line to perform the update.

**Expected downtime:** 1 hour for two servers, plus 30 minutes for each additional server.

The cluster update involves the following steps:

- “Backing Up the MCS Settings and User Database” on page 22
- “Identifying the Master, Slave and Load-Balancing Nodes” on page 22
- “Bringing the Cluster into Standby Mode” on page 23
- “Updating the Cluster” on page 23
- “Verifying the RabbitMQ Cluster” on page 25
- “Bringing the Corosync Cluster Online” on page 26
Backing Up the MCS Settings and User Database

Although the upgrade is non-destructive, it is a good idea to backup the MCS settings and database. This is completed using the system-backup script provided with the MCS software package. This is an optional, but recommended step.

To back up the database:
1. Log in to Linux as the root user.
2. Copy the installation package to the MCS server.
   See “Copying Software to the MCS Server” on page 18.
3. Navigate to the directory containing the installer (example path below):
   \( cd \ /media/installers/MCS\_2.10.1 \)
4. Unzip the installation package:
   \( \text{unzip } \text{MediaCentral\_Services\_Update\_2.10.1\_Linux.zip} \)
5. Back up the MCS settings and database using the backup script:
   \( ./\text{system-backup.sh } -b \)
6. Repeat this process on each node.

Identifying the Master, Slave and Load-Balancing Nodes

There are three types of nodes in a cluster: master, slave, and load-balancing. The master “owns” the cluster IP address. The slave assumes the role of master in the event of a failover. Any additional nodes play a load-balancing role, but can never take on the role of master.

To identify the master, slave, and load-balancing nodes:
1. Identify the master node of the cluster through the Cluster Resource Monitor. Log in to any machine in the cluster as root and type:
   \( \text{crm\_mon} \)
2. To identify the master and slave, look for the line containing “Master/Slave Set.”
   For example:
   Master/Slave Set: ms_drbd_postgres [drbd_postgres]
   Masters: [ mcs-1 ]
   Slaves: [ mcs-2 ]

   In this example, the master node is \textit{mcs-1} and the slave node is \textit{mcs-2}.
3. To identify the load-balancing nodes, look for the line containing “Clone Set.”
   For example:
   Clone Set: AvidAllEverywhere [AvidAll]
   Started: [ mcs-1 mcs-2 mcs-3 mcs-4 ]

   In this example, the load-balancing nodes are \textit{mcs-3} and \textit{mcs-4}.
4. Exit crm_mon by pressing CTRL-C on the keyboard.
Bringing the Cluster into Standby Mode

Corosync and RabbitMQ maintain independent clustering mechanisms. Corosync clusters operate in a master/slave relationship whereas RabbitMQ clusters run in an Active/Active state where any node in the cluster could be the owner of a RabbitMQ “queue”. This means that the order in which the nodes disconnect and reconnect to the RabbitMQ cluster is particularly important.

*Take care to note the order in which nodes are taken offline. The node that is “last down” must be the node that is “first up”. Failure to do so may break the RabbitMQ cluster.*

In the following process, you will put each node of the Corosync cluster into “standby” and you will stop the RabbitMQ service to pause its clustering functionality. Complete this process one node at a time, waiting 30 seconds between each node. Avid recommends starting with the final node first.

**To bring the cluster into standby mode:**

1. Begin by putting the Corosync load-balancing nodes into standby mode and then stopping the rabbitmq service. Complete this process one node at a time, waiting 30 seconds between each node:

   ```bash
  crm node standby <node name>
   service rabbitmq-server stop
   ```

   Verify that the stop command returns a value of [OK]. If the service does not stop correctly, troubleshoot the issue before continuing.

2. Wait 30 seconds and put the Corosync slave node into standby:

   ```bash
  crm node standby <node name>
   service rabbitmq-server stop
   ```

   Verify that the stop command returns a value of [OK]. If the service does not stop correctly, troubleshoot the issue before continuing.

3. Wait 30 seconds and put the Corosync master node into standby:

   ```bash
  crm node standby <node name>
   service rabbitmq-server stop
   ```

   Verify that the stop command returns a value of [OK]. If the service does not stop correctly, troubleshoot the issue before continuing.

Updating the Cluster

Upgrade the nodes in the reverse order that you stopped the services. Start with the Corosync master node, followed by the slave node and finally the load balancing nodes.

**To update the cluster:**

1. Navigate to the directory containing the installer (example path below):

   ```bash
   cd /media/installers/MCS_2.10.1
   ```

2. Start the installation script:

   ```bash
   ./install.sh
   ```
Installing MediaCentral Platform Services v2.10.1

Be sure to use the dot-slash ("./") notation, which tells Linux to look for the installation script in the current directory. Otherwise you will receive the following error message:

```
-bash: install.sh: command not found
```

During the installation process, progress is displayed. The update completes with an indication of success:

```
INSTALLATION FINISHED
```

If any errors were encountered during the 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
```

If you see any messages relating to .rpmnew files, see the section on “Modifying Configuration Files” in the MediaCentral Platform Services Installation and Configuration Guide for more information.

3. Check the installation was successful using the `ics_version` script:

```
ics_version
```

For the correct version numbers, see “System Version Numbers” on page 3.

If you receive a “command not found” error, logout and log back into the server or SSH session (PuTTY). This will refresh the login for the upgraded system and should allow the command to run properly.

4. Proceed to the next node, and follow the same steps (1 through 3):
   a. Navigate to the location of the installer package.
   b. Run the install script.
   c. Verify the installation using the `ics_version` script.

5. If additional components (e.g. Closed Captioning Service, MAM Connector, Media Distribute, etc.) require updating, complete those upgrades at this time. Failure to upgrade previously installed components may result in unexpected errors when testing the system.

If you plan to install v2.10.1 of the Assignments Pane, note that v2.10.1 Assignments is not a full installer. You must first install the Assignments Pane v2.10.0 and then install v2.10.1 as a second step.

6. Once all nodes have been upgraded, restart the RabbitMQ cluster.
   a. On the master node, start the rabbitmq-server service:
```
service rabbitmq-server start
```
   b. Wait 30 seconds and repeat the above command on the slave node.
   c. Repeat the above command on each load-balancing node, waiting 30 seconds between each node.
Verifying the RabbitMQ Cluster

Prior to restoring the Cosrosync cluster, you should first verify that the RabbitMQ cluster is functioning normally. Complete the following two steps on each cluster node.

**To verify the status of RabbitMQ:**

1. Verify the status of the RabbitMQ service:

   ```bash
   service rabbitmq-server status
   ```

   The command will return a detailed string of data regarding the service. Example (partial only):
   
   ```bash
   [root@mcs-1 ~]# service rabbitmq-server status
   Status of node 'rabbit@mcs-1' ...
   [{pid,2064},
   {running_applications,
   [rabbitmq_federation_management,"RabbitMQ Federation Management","3.3.5"],
   {rabbitmq_management,"RabbitMQ Management Console","3.3.5"},
   Review the output of the command and verify there are no obvious error messages such as “service is dead but pid (xxxxx) is running”.

2. Check the RabbitMQ cluster with the “rabbitmqctl cluster_status” command:

   ```bash
   rabbitmqctl cluster_status
   ```

   The following is an example of a 2-node cluster:
   
   ```bash
   Cluster status of node 'rabbit@node-n1' ...
   [{nodes,[{disc,['rabbit@node-n1','rabbit@node-n2']}]},
   {running_nodes,[ 'rabbit@node-n1','rabbit@node-n2']},
   {cluster_name,<<"rabbit@node-n1">>},
   {partitions,[]}
   ```

   The command should return information about each of the RabbitMQ cluster nodes. All available nodes should appear on both the “nodes” and “running_nodes” lines.

   Verify that each node reports the same information about the RabbitMQ cluster (all nodes are known and running).

---

*The RabbitMQ cluster must be healthy prior to bringing the Corosync cluster back online. If you suspect there is a problem, see the following Avid Knowledge Base article for assistance:*

Bringing the Corosync Cluster Online

The final step in the process is to bring the Cosrosync cluster back online and verify that the cluster is functioning normally. MCS v2.10.1 requires you to bring the cluster back online using the reactivate-cluster script.

To bring the Corosync cluster online:

1. Reactivate the cluster by running the following command on the master node only:

   /opt/avid/cluster/bin/reactivate-cluster

   The script will begin collecting information about your system.

2. The script creates a backup copy of the cluster configuration file. If you have previously upgraded your MCS server, a configuration backup file already exists. If this is the case, you are asked to confirm that you want to overwrite this backup file:

   File /root/ics_cluster_config_reinit.bak exists. Do you want to overwrite it (y/n)?

   Enter “y” to proceed.

3. A list of configuration settings will appear on the screen. You are asked to confirm these settings

   Do you wish to apply these settings? y/n

   Enter “y” to proceed.

   Be patient as the script brings all nodes back online.

4. Verify the cluster status using the Cluster Resource Monitor:

   crm_mon -f

   a. Verify the master, slave, and load-balancing nodes have rejoined the cluster, as expected.

   b. Verify the fail counts for the cluster resources.

5. If there are fail counts listed, run the Cluster Resource Manager cleanup command to reset them:

   crm resource cleanup <rsc> [<node>]

   <rsc> is the resource name of interest: AvidIPC, AvidUMS, AvidACS, pgsqlDB (or another)

   <node> (optional) is the node of interest.

   You can address the services contained in the postgres resource group (postgres_fs, AvidClusterIP and pgsqlDB) individually, or as a group.

6. Once the upgrade is complete, you should verify basic functionality. For more information, see the “Verifying the Installation” chapter of the MediaCentral Platform Services Installation and Configuration Guide.
# New Features in MediaCentral | UX v2.10.1

This topic provides an overview of the major new features in MediaCentral UX v2.10.1.

## Installation and Configuration

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-Signed SSL Certificates</td>
<td>The process to create a self-signed certificate in versions 2.5.0 through 2.10.0 incorrectly assigns the server’s IP address as an alternate host name. As a result, users cannot connect to MediaCentral UX through an IP address without getting a security warning in the browser. MediaCentral Platform Services v2.10.1 fixes this issue. For more information on creating SSL certificates for MediaCentral Platform Services, see the following link: <a href="http://avid.force.com/pkb/articles/en_US/how_to/SSL-Certificates-for-server-to-browser-connections">http://avid.force.com/pkb/articles/en_US/how_to/SSL-Certificates-for-server-to-browser-connections</a></td>
</tr>
</tbody>
</table>

## Broadcast Graphics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
| Synchronizing Broadcast Graphics | In MediaCentral v2.10.0 the ability to synchronize broadcast graphics with a MediaCentral | UX sequence required the modification of two configuration files on the MediaCentral server. As of MediaCentral v2.10.1, the changes to the application.properties file are no longer required. If your system administrator modified the file to enable this feature in v2.10.0, the modifications do not need to be removed in v2.10.1. The configuration changes are simply ignored.  

The changes to the second configuration file are still required to enable some aspects of this feature. For more information, see “Enabling Maestro Graphics in a Sequence” in the Avid MediaCentral Platform Services Installation and Configuration Guide. |

## Media Index

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAM Thesaurus Full Text Search</td>
<td>Media Index can now be configured to search for “plain text” values in a MAM Thesaurus. For more information, see “Configuring Full Text Search for MAM Thesaurus” in the Avid Media / Index Configuration Guide.</td>
</tr>
<tr>
<td>Results by Date</td>
<td>Media Index can now be configured to alter the weight of the asset’s creation date, resulting in a resorted list of search results. For more information, see “Boosting Search Results by Date” in the Avid Media / Index Configuration Guide.</td>
</tr>
</tbody>
</table>
Mobile Apps

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deep link support for iOS</td>
<td>Deep links are now supported with the MediaCentral mobile app for iPad and iPhone. When a user selects a deep link in an e-mail, the device’s default web browser initially appears. The MediaCentral tab in the browser detects the mobile device and prompts the user to instead open the link in the MediaCentral mobile app. If the mobile app is not installed, a banner bar provides a link to install it. For more information on deep links and MediaCentral UX messaging, see “MediaCentral</td>
</tr>
</tbody>
</table>

New Features in MediaCentral | UX v2.10.0

This topic provides an overview of the major new features in MediaCentral UX v2.10.

Assets

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
| Icons that indicate media status | For Interplay Production assets, the Media Status column and individual label (resolution) columns display the status of assets using the following icons:  

```
Media Status Column: Online Partial Nearline Offline
```

```
Individual Label Column: ![Icon](image)
```

Hover over an icon to display a tool tip that describes the status.
### Editing

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>**Synchronize Maestro graphics with a MediaCentral</td>
<td>UX sequence**</td>
</tr>
<tr>
<td><strong>Load a media segment from a sequence.</strong></td>
<td>You can now load a media segment (video or audio) from a sequence into the Media viewer. Double-click the segment, or right-click the segment and select Load Clip, and the source clip for that segment is loaded into Asset mode in the Media viewer. In and Out marks are set to match the segment used in the sequence. This feature is similar to the Match Frame feature. However, Match Frame uses the location of the position indicator to determine which clip to load. The Load Clip feature loads the source clip for the segment you select, regardless of the location of the position indicator.</td>
</tr>
<tr>
<td><strong>Deletion commands in the Sequence pane</strong></td>
<td>Deletion menu commands in the Sequence pane have been reworded to specify the item selected for deletion. This change helps prevent an incorrect deletion. Delete Dissolve: Deletes a video dissolve effect Delete Graphic: Deletes a graphic segment or untimed graphic Delete Segment: Deletes a media segment Delete Timing Block - Deletes a script sequence timing block (context menu only)</td>
</tr>
<tr>
<td><strong>Use a sequence as source footage</strong></td>
<td>You can open an Interplay MAM basic sequence in Asset mode and use it as source footage for a basic sequence that is loaded in Output mode. You can open basic sequences and audio-only basic sequences in Asset mode. When you load the sequence in Asset mode, editing controls such as Mark In and Mark Out are available through buttons and keyboard shortcuts.</td>
</tr>
</tbody>
</table>

### Installation and Configuration

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sharded MongoDB support for Windows Server 2012</strong></td>
<td>The sharded MongoDB arbiter now supports installation on the Windows Server 2012 operating system. For more information, see “Sharded MongoDB” in the Avid MediaCentral Platform Services Installation and Configuration Guide.</td>
</tr>
</tbody>
</table>
Logging Pane

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
| Click a log entry to display In and Out points in the Media viewer. | With a log displayed in the Logging pane, you can click a log entry so that In and Out points for the segment are displayed in the Media viewer. You can check the In and Out points to make sure they are correct and adjust them if necessary. You then have the option of dragging the segment from the Media viewer to a sequence and building a sequence from your logged clips. This feature applies to logs created for both Interplay Production and Interplay MAM assets. Note the following:  
• Interplay Production markers do not use Out points, so when you load a clip with a marker, the marker becomes an In point and MediaCentral UX adds an Out point five seconds after the In point.  
• In and Out marks are not updated when you scrub or play the loaded clip. Corresponding segments in the Logging pane are highlighted. |
| Filter logs | For strata associated with Interplay MAM clips, you can use the following filtering controls to display a subset of the logged segments:  
• A general text filter that searches all properties of the log.  
• A property-specific text filter. Each column provides a filter control to search in the corresponding segment property. You can include AND or OR for a Boolean search. |
| Export strata annotations to a CSV file | Starting with MediaCentral UX v2.10, you can export strata annotations to a CSV file that you can open as a Microsoft Excel spreadsheet. Only information for the stratum open in the pane is exported. If you apply a filter to the stratum open in the pane, only information of the segments that are shown in the pane is exported. |
| Remember the last used stratum | For Interplay MAM assets, the Logging pane saves information for the last used stratum for each asset type. When you open an asset in the Logging pane, the stratum that you used the last time for an asset of that asset type is automatically selected. |

Process Dashboard Pane

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply a top-level process filter</td>
<td>The Process Dashboard pane toolbar now provides a Top Level Filter button that toggles displaying top-level processes on and off. If toggled on, the Process List shows only processes that have no parent process. If toggled off, processes of all hierarchy levels are shown in the Process List.</td>
</tr>
</tbody>
</table>
### User Interface in Estonian

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>User interface items can be viewed in Estonian</td>
<td>Users can select Estonian as a language for display. Media Index supports language analysis for Estonian.</td>
</tr>
</tbody>
</table>

### Interplay | MAM

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch editing of metadata</td>
<td>To support editing metadata of several assets at the same time, starting with version 2.10, MediaCentral UX offers a feature called “batch metadata editing.” The batch metadata editing feature changes the value of properties that are editable in all selected assets. Read-only properties and editable properties that are only available in a few of the selected assets cannot be changed. You can apply the batch metadata editing feature to assets selected in the Assets or Search pane. For more information, see “Batch Metadata Editing” in the Avid MediaCentral</td>
</tr>
</tbody>
</table>

| Sorting Actions menu items       | Starting with Interplay MAM v5.9 / MediaCentral UX v2.10, the order in which process types are listed as entries in the Actions menu can be configured by an Interplay MAM administrator. If sorting of the process types is not configured in Interplay MAM, the process types appear in an unsorted order in the Actions menu. For additional information, see the Interplay | MAM Process Reference. |

### Media | Distribute

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removing Media Distribute</td>
<td>In the event that Media Distribute needs to be uninstalled from a MediaCentral server, an uninstall script has been created to expedite the removal process. For more information, see the Media</td>
</tr>
</tbody>
</table>
**Media | Index**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Settings</td>
<td>Four new settings have been added to the Media</td>
</tr>
<tr>
<td></td>
<td>- Minimum nodes for master election</td>
</tr>
<tr>
<td></td>
<td>- Minimum active nodes</td>
</tr>
<tr>
<td></td>
<td>- Ideal active nodes</td>
</tr>
<tr>
<td></td>
<td>- Wait Time</td>
</tr>
<tr>
<td></td>
<td>For more information, see the *Avid Media</td>
</tr>
</tbody>
</table>

**Mobile Apps**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marker support for Android</td>
<td>The MediaCentral mobile app for Android now supports viewing markers for media assets.</td>
</tr>
<tr>
<td></td>
<td>For more information, see “Using Markers” in the “MediaCentral</td>
</tr>
<tr>
<td>Review and approval for Android</td>
<td>For sites that have enabled the “Approval_Process” custom property in the Interplay Production database, a Status bar now appears in the Android mobile app for review and approval of assets.</td>
</tr>
<tr>
<td></td>
<td>For more information, see “Setting the Approval Status for Assets” in the “MediaCentral</td>
</tr>
</tbody>
</table>

**Technology Previews**

The following Technology Previews have been updated for this release. For more information, see the individual Technology Preview documents on the Knowledge Base page *Avid MediaCentral Version 2.10.x Documentation*.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed Sequences (Enterprise Editing)</td>
<td>Updates for MCS v2.10 and Interplay Web Services v3.7.1</td>
</tr>
<tr>
<td>HTML5 Player</td>
<td>Updated limitations</td>
</tr>
</tbody>
</table>

**Additional Documentation**

Information in this section has been added to the MediaCentral UX documentation.
### Media | Director Plug-in: Remote STP

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associating a sequence with a story.</td>
<td>The <em>MediaCentral UX User’s Guide</em> describes the ability to associate existing sequences with a story. However, these sequences do not contain timing blocks that are synchronized with story segments. Only sequences created by clicking the Open Sequence button in the Queue/Story pane display timing blocks that are synchronized with story segments.</td>
</tr>
<tr>
<td>Sending assets to a remote playback device</td>
<td>This optional Media Director version 2.1 plug-in lets a MediaCentral UX user send Interplay Production assets to an AirSpeed playback server located in a different workgroup. This feature is called remote send to playback (Remote STP). Remote STP is especially useful for large broadcasters who have offices in different geographical locations, some of which host the playback servers (playback offices), and some of which only create content (satellite offices). Remote STP lets a user in a satellite office send an asset directly to a playback server in the playback office. For more information, see the *Media</td>
</tr>
</tbody>
</table>
Fixed in Version 2.10.1

The following bugs are fixed in version 2.10.1.

**Assets**

(JP-4144) In the Assets pane, if you select multiple assets or folders or both and click an item that is part of your selection, the selection is not cleared.

(JP-4142) In the Assets pane, you cannot move assets or folders by dragging and dropping.

(MPLAY-2926) If Asset Watermarking is enabled, exporting a frame using the “Save As Image” feature results in an empty JPG or PNG file.

**Closed Captioning**

(DAEM-3736) The AvidCCC cluster resource is not present after running the reactivate-cluster command during an upgrade of MediaCentral Platform Services.

**Installation and Configuration**

(DAEM-3519) Self-signed SSL certificates created in MediaCentral Platform Services v2.5 through v2.9.x do not add the IP address to the certificate correctly. As a result when entering an IP address in a browser, a certificate warning is displayed.

**MAM Connector**

(MX-3786) Thesaurus values are not sorted alphabetically.

**Media | Distribute**

(MPD-1770) When publishing packages to YouTube, the process might fail with a “IO Exception Read Time out” error.

**Media Index**

(TSL-4015) When upgrading to MediaCentral v2.10, searches executed by Interplay MAM users with CBA rules and permissions return no results. New installations of MediaCentral v2.10 are not affected.

**Messages**

(TSL-3991) You cannot add an Interplay MAM asset from the search results list to a MediaCentral UX message. If you try to add an Interplay MAM asset to a message, either by dragging and dropping or by selecting Share from the context menu, an error message is displayed.

**Metadata**

(MX-4124) MAM assets might contain compound attributes, whose sub-attributes might be configured as read/write, or read-only. These attributes appear in multiple panes. Through the Metadata pane, users are incorrectly allowed to edit read-only fields of compound attribute.
**Mobile**

(MA-4306) If a mobile device is left idle for an extended period of time after launching the MediaCentral UX mobile app, the user might experience a “500 server error code” error when returning to the app and accessing any iNEWS integrated features.

(LIZ-3218) Empty iNEWS queues do not auto-refresh on iOS devices. This situation occurs if a story is added through MediaCentral UX (browser or Desktop) to an empty auto-refresh queue while the folder containing the selected queue has been closed on the mobile app.

(LIZ-3232) The MediaCentral UX mobile app for Android devices crashes after a user reopens recently edited iNEWS story.

**Search**

(JP-4197) In the Search pane, when you conduct an indexed search for Interplay Production assets, the display type of the search results list defines if thumbnails are shown or not. Search results displayed in Card view show thumbnails, search results displayed in Grid view do not show thumbnails.

(JP-3749) When switching between saved Federated and Indexed searches (or Indexed to Federated searches), the Search pane might show criteria from a prior saved search and not the criteria from the newly selected saved search.

**System**

(MTTO-413, MTTO-489) When a MediaCentral UX user connects to an Interplay Production, Interplay MAM or iNEWS system, the connection to the database is not released after the specified timeout period if the user closes the browser without first clicking the Sign Out button to exit MediaCentral UX.

**Fixed in Version 2.10.0**

The following bugs are fixed in version 2.10.

**Assets**

(MPLAY-2605) 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.

(MPLAY-2967) When exporting an asset using the “Save As Image” feature or when adding an image to a Media | Distribute package, the display aspect ratio contained in the MXF was not properly applied to SD anamorphic media. Note that SD anamorphic media with a 4x3 aspect ratio will continue to export as 4x3 anamorphic.

**iNEWS Messaging**

(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.”
Installation and Configuration

(ICI-1380, OTTO-6404) 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.

Panes

(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.

Playback

(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.

(EA-879) MediaCentral UX can load clips with up to 24 tracks, but you can monitor only the first 16 audio tracks of a clip.

(MPLAY-2977) Assets with tape names that contain only numbers cannot be played in the Media pane. This limitation applies to the Rhozet Carbon Coder and other encoders.

System

(MPLAY-2958) Core log files are incorrectly enabled by default. Unless specifically enabled through a configuration file parameter, core log files should not be created by Avid services. If enabled and left unchecked, the core files could consume all available drive space and lead to a system crash.

System Settings

(MPLAY-2954) After using the delete button to clear the sessions from the MCPS > Load Balancer page, the session information does not repopulate.

(DAEM-3656) Configuring the Graphite Server hostname in the MediaCentral UX System Settings (Statistics settings) does not update the write_graphite.conf configuration file, requiring a manual configuration of the file. This affects both new configurations and any updates made to the Statistics settings.

User Management

(ICS-5430) If a facility uses multiple Active Directory servers for redundancy, and lists them as Authentication Providers, importing creates duplicate groups of users.

Closed Captioning

(DAEM-3504) Completing a new installation of version 2.9.0 of the Closed Captioning Service in a clustered MediaCentral system does not add the AvidCCC resource to the cluster.

Media Index

(IPAM-2261) When starting a new index or performing a resync of an existing index through the Interplay Production Administrator, only a subset of the production assets are discovered through the index process. The omitted assets are not found when performing an Indexed search through MediaCentral UX.
**Media | Distribute**

(MPD-1687) When upgrading Media Distribute from version 2.6.x or earlier, only the “IPC” system account is migrated to the updated software version. Other accounts such as Twitter, YouTube, Facebook, and more must be recreated after the upgrade is complete.

**MAM Connector**

(MAM-10394) MAM EDLs containing offline assets should appear as Media Offline in the Media pane for the offline clips, but instead the following error message appears: “Clip load failed: 404 EDL SMIL URL load failed”.

(MAM-10310) When searching for Interplay MAM assets in the Search pane, the error message “Error from system [name]: An internal error occurred” appears and the assets are not found.

(MAM-10185) In the Process Dashboard pane, the Process Groups filter window does not evaluate CBA rules. Instead of showing only the process types you are allowed to see, all process types are displayed. In the Process List however, the CBA rules are correctly evaluated and you do not see processes that are excluded by CBA rules.

(MX-4082) In the Assets pane, when you select the context menu item “Create Basic Sequence,” the Create Sequence dialog box does not show the available sequence classes and frame rates.

(MX-3858) In the Metadata pane, the “Master data” input control does not show the selected master data value, but instead an misaligned empty entry is displayed.

(MX-3810) In the Tasks pane, the compound property of a user task shows all fields in editable state even if the fields are marked as “read-only” and “hidden” in the data model configuration.

(MX-2322) In the Metadata pane, the input control for searching and selecting properties of type “Master data” do not show the first value of the master data set. Starting with v2.10, also the first master data value is shown in the master data input control.
Additional Documentation

This section includes information that is incorrect or not included in the v2.10 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.
Limitations and Defects Found in Version 2.10.1

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.

Installation and Configuration

➤ **Bug Number:** DAEM-3822, DAEM-3835. When upgrading a multi-zone configuration that includes zones running v2.5 or earlier, the sharded MongoDB configuration scripts might not deploy the sharded Mongo arbiter and related services correctly for all zones.

**Workaround:** The MediaCentral v2.10.1 install script includes the following message that appears during the upgrade process:

“[WARNING] Detected mixed zone version setup. Contact engineering to check the configuration.”

If you are upgrading a multi-zone system and you cannot upgrade all zones simultaneously (or close to the same time period), contact Avid Support before beginning the upgrade process.

Assets Pane

➤ **Bug Number:** JP-4233. In the Assets pane, you cannot move an asset by dragging and dropping when you click and drag the thumbnail of the asset.

**Workaround:** Click the name of the asset or its icon in the Name column and then start dragging.

Broadcast Graphics

➤ **Bug Number:** MA-4361. If you delete a broadcast graphic from a sequence, and you have previously edited the graphic from an untimed to a timed graphic, you cannot undo the deletion. The untimed graphic is restored, and all previous actions are cleared from the Undo list.

Media Index

➤ **Bug Number:** TSL-4039. The “isSet” and “isNotSet” modifiers cannot be used with time-based metadata (TBMD) fields.

➤ **Bug Number:** TSL-3933. During startup, the Elasticsearch services discover the configuration information for the local network interface of each node and uses that information to enable communication between the nodes. When MediaCentral is configured in a cluster, Elasticsearch might identify the Corosync Cluster IP address on the master node as the local IP address. In the event of a failover, the Cluster IP moves to a new node which breaks the Elasticsearch configuration.

It is also possible that a node with more than one enabled network interface could encounter the same issue if the IP used by Elasticsearch on one node is non-routable to the other cluster nodes.
Workaround: To resolve this issue, administrators must manually configure two configuration files on all Corosync cluster nodes.

1. Configure Media Index on the cluster as directed in the Avid Media | Index Configuration Guide.
2. Once Media Index has been fully configured, open the elasticsearch.yml configuration file for editing on the Corosync master node:
   `vi /etc/elasticsearch/elasticsearch.yml`
3. Add the following line to the end of the file:
   ```yaml
   network.publish_host: <network_address>
   ```
   Where `<network_address>` is the IP address assigned to the local MediaCentral node. For example:
   ```yaml
   network.publish_host: 192.168.10.51
   ```
4. Save and exit the vi session. Press <ESC> and type: `:wq`
5. Next, open the Elasticsearch tribe configuration file for editing on the Corosync master node:
   `/etc/elasticsearch-tribe/elasticsearch.yml`
6. Add the following line to the end of the file:
   ```yaml
   tribe.local.network.host: <network_address>
   ```
   Where `<network_address>` is the IP address assigned to the local MediaCentral node. For example:
   ```yaml
   tribe.local.network.host: 192.168.10.51
   ```
7. Save and exit the vi session. Press <ESC> and type: `:wq`
8. Repeat the above steps to edit the configuration files on all cluster nodes.
9. Once the configuration files on both nodes have been altered, restart the elasticsearchEverywhere and elasticsearchTribeEverywhere cluster resources. This step can be completed from any node:
   ```bash
  crm resource restart elasticsearchEverywhere
   crm resource restart elasticsearchTribeEverywhere
   ```

Limitations and Defects Found in Version 2.10

Assets

- **Bug Number**: ICI-1462, MX-4122. Values for the AMA Media Status property in MediaCentral UX do not match values for the AMA Media Status property in Access. In Access, the user is presented with text that says “has only AMA media linked,” “has AMA media linked,” or “non AMA media linked.”. In Media Central UX, the AMA Media Status displays numerical values such as 15, 14, 11, 6, 2 and 0.
Messages

- **Bug Number:** TSL-3976. If your system is included in a multi-zone configuration consisting of mixed versions, messages are not delivered if sent from a v2.8 or earlier zone to a v2.9.x or v2.10 zone.

Playback

- **Bug Number:** MPLAY-3035. When previewing an image in a system configured for MAM Remote Playback, the file metadata is loaded and the player attempts to add the image to the Media pane. However after a short timeout period, no image is displayed. This only affects files loaded from the remote MAM system. Images from the local system are displayed correctly.

Media | Distribute

- **Bug Number:** MPD-1707. Media Distribute cannot publish assets longer than 20 seconds to Twitter.

Limitations and Defects Found in Earlier Versions

Limitations and defects in are organized in the following sections:

- “Limitations and Defects Found in Version 2.9.x” on page 41
- “Limitations and Defects Found in Version 2.8.x” on page 43
- “Limitations and Defects Found in Version 2.7.x” on page 44
- “Limitations and Defects Found in Version 2.6.x” on page 47
- “Limitations and Defects Found in Version 2.5.x” on page 48
- “Limitations and Defects Found in Version 2.4.x” on page 49
- “Limitations and Defects Found in Version 2.3.x” on page 49
- “Limitations and Defects Found in Version 2.2.x” on page 50
- “Limitations and Defects Found in Version 2.1.x” on page 50
- “Limitations and Defects Found in Version 2.0.x” on page 51
- “Limitations and Defects Found in Version 1.8.x” on page 52
- “Limitations and Defects Found in Version 1.7.x” on page 53
- “Limitations and Defects Found in Version 1.6.x” on page 53
- “Limitations and Defects Found in Version 1.5.x” on page 53
- “Limitations and Defects Found in Version 1.4.x” on page 54
- “Limitations and Defects Found in Version 1.3.x” on page 54

Limitations and Defects Found in Version 2.9.x

Delivery

- **Bug Number:** PAM-3868. Found in 2.9.0. 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.
Limitations and Defects Found in Earlier Versions

Messages

➤ **Bug Number:** TSL-3792. Found in 2.9.0. If your system is included in a multi-zone configuration consisting of mixed versions, sending a message from a v2.9 or v2.10 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”.

➤ **Bug Number:** TSL-3791. Found in 2.9.0. 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.

Search

➤ **Bug Number:** TSL-3383. Found in 2.9.0. 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. Found in 2.9.0. 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 amBaseStream::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. Found in 2.9.0. If an XDCAM-HD clip name contains the ICS characters äöüé 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. Found in 2.9.0. An STP operation that includes Long GOP in-progress (EWC) clips might fail with the message “Remote STP process failed: 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 Version 2.8.x

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


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.
Limitations and Defects Found in Earlier Versions

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-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.

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.
Limitations and Defects Found in Earlier Versions

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:

```bash
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.

**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 Earlier Versions

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.
Limitations and Defects Found in Earlier Versions

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:


► **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 Earlier Versions

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.
Limitations and Defects Found in Earlier Versions

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.

  **Warning:** 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.
Limitations and Defects Found in Earlier Versions

- **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 YouTube 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.
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