

IDOL Media Server

Software Version 12.10.0

Release Notes



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Documentation updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

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New in this Release

The following new features were released in Media Server version 12.10.0.

- Media Server includes a new analysis engine (Type=VideoMatch), which recognizes when an ingested video matches or contains a video clip that has been added to the training database. You can use this engine to determine whether a video you are processing has been seen before.
- The Milestone ingest engine can ingest video through the Milestone MIP SDK. This is supported only on Windows but uses a more efficient method of sending video across the network, resulting in lower bandwidth requirements. In the [Paths] section of the configuration file, set the parameter MilestoneDirectory to the path of the Milestone libraries, for example MilestoneDirectory=C:\Milestone\MIPSDK\bin. If you do not set this parameter, Media Server falls back to a cross-platform solution.
- Face detection has a new parameter named DetectionThreshold. Increasing the value of this parameter can reduce the number of false positives but increases the risk of missing genuine faces. Reducing the value increases the chance of detecting a genuine face, but Media Server might detect more false positives. The default value of this parameter gives the same results as Media Server 12.9.
- In the output from face detection, the fields outOfPlaneAngleX and outOfPlaneAngleY support values from a continuous range, instead of just +90/-90, +60/-60, or 0.
- You can configure Media Server to pre-load the resources necessary for OCR orientation and alphabet detection. This can improve throughput when you run many process actions that need these resources and complete quickly, because it removes the overhead of loading the resources at the start of each action and unloading them at the end. To pre-load these resources and keep them in memory, set OCRAAlphabetAndOrientation=TRUE in the [PersistentData] section of the Media Server configuration file.
- The WordResult track, produced by Optical Character Recognition to provide information about individual words, is now available when you process video. In earlier versions of Media Server this track was available only for images and documents. A new WordData track has also been added, to provide information about words recognized in each processed frame. The WordResult track does not support scrolling text.
- The Lua script parentuuidMatch.lua has been improved. This script is supplied with Media Server so that you can, for example, match clothing analysis results with detected faces. The script now works with child records that were generated by the And and Combine ESP engines. It also uses both the ID and parentID fields in the child record when looking for a matching parent UUID.
- A new pre-trained classifier (ImageClassifier_TextFilter.dat) is available, to divide images into those that contain text and those that do not. You can classify your images before running OCR, to avoid processing any images that do not contain text.
- Media Server has new actions (GetSpeakerAudio, GetUnknownSpeakerAudio, and GetAudioMatchAudio) so that you can retrieve audio from the training database. There are also new actions to remove the audio from the database but leave the training (NullSpeakerAudioData, NullUnknownSpeakerAudioData, and NullAudioMatchAudioData).

- The third-party libraries libxml2 and libxslt have been updated, to versions 2.9.11 and 1.1.34 respectively.

Resolved Issues

The following issues were resolved in Media Server version 12.10.0.

- Media Server could fail to process some PDF files because KeyView could return XML with invalid UTF-8 characters.
- The `QueueInfo` action (with `QueueAction=GetStatus`) would return an error when the total number of actions exceeded 999.

Notes

This section contains information that is important if you are upgrading from an earlier version of Media Server.

Deprecated Features

The following features are deprecated and might be removed in a future release.

Category	Deprecated Feature	Deprecated Since
Session configuration	The <code>RestrictToInputRegion</code> configuration parameter has been deprecated. Micro Focus recommends setting <code>Region=Input</code> instead.	12.7.0
Session configuration	<p>To simplify configuration, units can be specified in the same parameter as the corresponding value. As a result the following configuration parameters have been deprecated:</p> <ul style="list-style-type: none">• <code>BorderUnit</code> (Crop transformation)• <code>CharHeightUnit</code> (Number plate recognition, text detection)• <code>PathUnit</code> (Path alerts)• <code>RegionUnit</code>• <code>SizeUnit</code> (Face detection, object recognition, persistent change detection)• <code>TripwireUnit</code> (Tripwire alerts) <p>Micro Focus recommends that you update your session configurations. For example, if you have a configuration that sets the <code>Region</code> parameter, add units alongside the parameter value. If the parameters listed above are removed in a future version of Media Server, values without units will become invalid.</p>	12.7.0
ACI Encryption	ACI Encryption has been deprecated. Instead of using ACI encryption, Micro Focus recommends configuring Secure Socket Layer (SSL) connections between ACI servers and applications. You can use GSS authorization without using ACI encryption by configuring the <code>GSSServiceName</code> and <code>RequireGSSAuth</code> parameters.	12.6.0

Databases	The ODBCDriverManager parameter (in the [Database] section of the Media Server configuration file, and for output engines that use ODBC). You no longer need to set this parameter.	12.6.0
Actions	The GetLatestRecord action. The new actions KeepLatestRecords and GetLatestRecords provide more control over what to store and retrieve.	12.5.0
Event Stream Processing	The MinTimeInterval and MaxTimeInterval parameters for the And, AndThen, AndAny, AndThenAny, AndNot, AndNotThen, and Combine engines. Micro Focus recommends using the new configuration parameter TimestampCondition instead.	12.3.0
Server / Service	The AdminClients, QueryClients, ServiceControlClients, and ServiceStatusClients configuration parameters. Micro Focus recommends that you use authorization roles instead.	11.5.0
Rolling buffer	<p>The action parameter name, available on the actions AddStream, EditStream, GetStreamInfo, PreAllocateStorage, and RemoveStream. Micro Focus recommends that you use the parameter stream, instead.</p> <p>The action parameters OldName and NewName, on the action RenameStream. Micro Focus recommends that you use the parameters Stream and NewStream instead.</p>	11.4.0

Documentation

The following documentation was updated for Media Server version 12.10.0.

- *Media Server Administration Guide*
- *Media Server Reference*