Media Server

Software Version 12.3.0

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.

You can check for more recent versions of a document through the MySupport portal. Many areas of the portal, including the one for documentation, require you to sign in with a Software Passport. If you need a Passport, you can create one when prompted to sign in.

Additionally, if you subscribe to the appropriate product support service, you will receive new or updated editions of documentation. Contact your Micro Focus sales representative for details.

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Visit the MySupport portal to access contact information and details about the products, services, and support that Micro Focus offers.

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- Search for knowledge documents of interest
- Access product documentation
- View software vulnerability alerts
- Enter into discussions with other software customers
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- Manage software licenses, downloads, and support contracts
- Submit and track service requests
- Contact customer support
- View information about all services that Support offers

Many areas of the portal require you to sign in with a Software Passport. If you need a Passport, you can create one when prompted to sign in. To learn about the different access levels the portal uses, see the Access Levels descriptions.

Contents

New in this Release

The following new features were released in Media Server version 12.3.0.

Media Server Core

- Media Server can use a graphics card for ingesting (decoding) and encoding video. Using a GPU to ingest and encode video can reduce the load on the CPU, releasing resources for media analysis.

- Communications can be secured with TLS version 1.3.

Ingest

- The video ingest engine uses a new algorithm to deinterlace video. In some cases, when interlaced video is ingested, this can improve the quality of encoded video and the accuracy of analysis tasks.

Analysis

- Optical Character Recognition uses a new algorithm that improves speed and accuracy, principally when processing Chinese, Japanese, and Korean text.

- Object recognition can ignore objects that do not match the expected size. The object recognition engine now has parameters named `MinSize`, `MaxSize`, and `SizeUnit`.

- Media Server includes a new analysis engine (`Type=PunctuateSpeech`), to enhance the output from speech-to-text. The engine capitalizes the first character of the first word in each sentence, and adds a full stop after the last word in each sentence.

- You can configure speech-to-text to output alternative words (possible alternatives to the recognized word, that were considered less likely), by setting the new configuration parameter `AlternativeWordsThreshold`.

- A new speech-to-text language pack is available for telephony audio: English - Generic. Language packs are not included with Media Server but you can download them from the MySupport portal.

- Language identification supports Hindi (for broadband audio only; this feature is not supported for 8kHz telephony audio).

Event Stream Processing

- The `And`, `AndThen`, `AndAny`, `AndThenAny`, `AndNot`, `AndNotThen`, and `Combine` engines support a new configuration parameter, `TimestampCondition`. This allows you to set time limits for related records using the start, peak, or end record timestamps. For the engines that compare multiple tracks with the `Input0` track, you can also set different time limits for each track.

Transformation

- Media Server can redact words in an audio track, replacing them with a beep or with silence. To redact words run speech-to-text, and include the new `AudioRedaction` engine in your session configuration. You can configure speech-to-text to tag specific words (either for redaction, or for another purpose) by setting the new configuration parameter `MatchWords`.

Resolved Issues

The following issues were resolved in Media Server version 12.3.0.

- Words with some accented characters could be ignored when creating Hungarian custom language models.

Notes

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

- The requirements for using a GPU have changed. Media Server now requires NVIDIA driver version 411.31 or later for Windows, and 410.48 or later for Linux. CUDA version 8 is no longer supported. This change does not affect support for specific GPUs, but you might need to update your drivers and change the value of the `CUDAVersion` parameter in your Media Server configuration file.

- Due to the new OCR algorithm, OCR confidence scores are expected to change between Media Server 12.2 and Media Server 12.3. You might need to update session configurations, scripts, and other applications that use these scores. For example, in your session configurations, you might need to modify the value of the `WordRejectThreshold` parameter.

Deprecated Features

Category	Deprecated Feature	Deprecated Since
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
Barcode analysis	The `ImageBinarizeMethod` configuration parameter.	12.2.0
Speech-to-text	The training action `SyncCustomSpeechLanguageModels`. Micro Focus recommends that you use the new action `SyncCustomSpeechResources` instead.	12.2.0
Analysis engines	Event tracks. The analysis engines that produce event tracks now have `Start` and `End` tracks. The `Start` and `End` tracks are the same as the `Data` track, but they only contain the first or last record for each event. This means that the records describing the start and end of events now have the same schema as records that provide the analysis results.	12.0.0
Scene Analysis	The configuration parameters `IsasTrainingDirectory` and `IsasAlarmDirectory`. Micro Focus recommends that you use the parameters `SceneAnalysisTrainingDirectory` and `SceneAnalysisAlarmDirectory` instead.	12.0.0

Server / Service	The `AdminClients`, `QueryClients`, `ServiceControlClients`, and `ServiceStatusClients` configuration parameters. Micro Focus recommends that you use authorization roles instead.	11.5.0
Rolling buffer	The action parameter `name`, available on the actions `AddStream`, `EditStream`, `GetStreamInfo`, `PreAllocateStorage`, and `RemoveStream`. Micro Focus recommends that you use the parameter `stream`, instead. The action parameters `OldName` and `NewName`, on the action `RenameStream`. Micro Focus recommends that you use the parameters `Stream` and `NewStream` instead.	11.4.0

Removed Features

The following features have been removed:

- The configuration parameter `ErrorCharacter`, from Optical Character Recognition.

Documentation

The following documentation was updated for this release.

- *Media Server Administration Guide*
- *Media Server Reference*
- *Media Server Scene Analysis Training Technical Note*