IDOL
Media Server

Software Version 12.11.0

Release Notes

MICRO FOCUS®

Legal notices

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.

To check for updated documentation, visit https://www.microfocus.com/support-and-services/documentation/.

Support

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

This portal also provides customer self-solve capabilities. It gives you a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the MySupport portal to:

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

Many areas of the portal require you to sign in. If you need an account, you can create one when prompted to sign in.

Contents

New in this Release

The following new features were released in Media Server version 12.11.0.

- The `process` action has a new parameter named `timeout`, which you can use to automatically stop an action if the processing time exceeds a specified time duration.

- Object recognition supports partial matches, where only part of a trained object appears in the ingested media. To use this feature, set the new parameter `MinimumMatchPercentage` in your object recognition task.

- Video matching supports partial matches, where only part of a trained video clip appears in the ingested media. To use this feature, set the new parameter `MinimumMatchDuration` in your video match analysis task. For example, if you train a video clip with a duration of 20 minutes and set `MinimumMatchDuration=60s`, Media Server will report a match when the analyzed video contains at least one minute of the trained clip.

- Media Server stores the video clips that you supply to train video matching. This means that if the video match algorithm changes in future and re-training is required, you will not need to supply the video clips again. Storing video clips in the training database could consume a large amount of disk space. If you prefer not to store the clips, set the action parameter `NullVideoData=TRUE` when you run the action `TrainVideoMatchClip`.

- You can use the new action `ScoreCustomSpeechLanguageModel` to determine whether a custom language model provides the accuracy you require, or needs further training.

- A new language pack is available for speech-to-text (`ZHTW`, "Mandarin - Taiwanese", broadband 16kHz only). This is available as a separate download.

- Face detection produces a new `AlignedImageResult` track. This contains one record for each detected face. Each record includes the identifier of the detected face and an image. The image is rotated so that the face is upright and is cropped around the person's head.

- The results produced by barcode detection, face detection, object recognition, object class recognition, optical character recognition (OCR), and text detection include a new field named `parentID`. This field is empty, unless you configure the analysis engine with `Region=Input` in which case it contains the UUID of the input record. This provides a way to link a result with other records (from another analysis task) that supplied the region to analyze.

- The records generated by Optical Character Recognition (OCR) contain more information.

  - OCR provides information about the font size. If you know the resolution at which the image was scanned or created (in dots per inch), you can calculate the font size in points.

  - The `OCRDetail` record type (used in the `CharResult` track) includes the text and region information for the full line of text.

  - The records in the `PageResult` track include a list of alphabets used on the page.

- The clip encoder can create video clips where the frames are cropped, such that the video shows only the person or object associated with an event. To produce cropped video clips, set the new parameter `RegionInput`.

- The PDF encoder accepts additional types of OCR input. You can use the `Result` or `WordResult` track from an OCR analysis task. In earlier versions of Media Server, the PDF encoder accepted only the `CharResult` track.

- The path of the temporary directory, where the server stores files that were uploaded in multipart requests, can be configured using the new parameter `TempDir` in the `[Paths]` section of the configuration file.

Resolved Issues

The following issues were resolved in Media Server version 12.11.0.

- When the server was configured to require SSL and GSS authentication for incoming connections, POST requests over a certain size could fail with the error "httpServer error - could not receive request (HTTP message-header is too long)".

- The server was unable to renew its license and would therefore stop, if SSL was required for the connection to the IDOL License Server.

Notes

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

- As a result of changes made to support partial matches, video match training that was generated with Media Server 12.10 is not compatible with Media Server 12.11. Media Server 12.10 did not store the video clips in the database, so you must re-train Media Server by providing the video files again.

New Database Schema

- The Media Server database schema has changed. If you are using an internal database, the schema upgrade is performed automatically when you start the new version of Media Server. If you are using an external PostgreSQL or MySQL database you must run an upgrade script, which is included in the Media Server 12.11.0 installation. For more information about upgrading the database schema, refer to the *Media Server Administration Guide*.

Deprecated Features

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

Category	Deprecated Feature	Deprecated Since
Session configuration	The `RestrictToInputRegion` configuration parameter has been deprecated. Micro Focus recommends setting `Region=Input` instead.	12.7.0
Session configuration	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: • `BorderUnit` (Crop transformation) • `CharHeightUnit` (Number plate recognition, text detection) • `PathUnit` (Path alerts) • `RegionUnit` • `SizeUnit` (Face detection, object recognition, persistent change detection) • `TripwireUnit` (Tripwire alerts) Micro Focus recommends that you update your session configurations. For example, if you have a configuration that sets the `Region` parameter, add	12.7.0

	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.	
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 `GSSServiceName` and `RequireGSSAuth` parameters.	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	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 deprecated features have been removed.

- The `ODBCDriverManager` parameter (in the `[Database]` section of the Media Server configuration file, and for output engines that use ODBC).

Documentation

The following documentation was updated for Media Server version 12.11.0.

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