Media Server

Software Version 12.6.0

Release Notes

Micro Focus®

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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.

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

Support

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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:

- Search for knowledge documents of interest
- Access product documentation
- View software vulnerability alerts
- Enter into discussions with other software customers
- Download software patches
- 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. If you need an account, 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 12.6.0.

- Media Server output is restricted to specific directories. The new configuration parameter `AllowedEngineOutputDirectories`, in the `[Paths]` section of the configuration file, specifies a list of directories that Media Server engines can write to. For backwards compatibility, `AllowedEngineOutputDirectories` has no default value and engines can write to any directory. A default value might be added in a future release.

- You can add custom metadata to audio clips (audio matching), speakers (speaker identification), and image hashes in your training database. The custom metadata is included in records output by Media Server when an audio clip, speaker, or image is recognized. The image comparison, image hash, and speaker identification analysis tasks can be configured to use only reference images, image hashes, and speakers that have specific metadata.

Analysis

- Optical Character Recognition is faster, compared with Media Server 12.5, when processing multi-page images and documents with `NumParallel` set to any value greater than 1.

- When Object Class Recognition is used for surveillance, Media Server is better at tracking objects near the edges of the scene.

- Vehicle make and model recognition uses a neural network to identify the vehicle within the image or video frame. Results from vehicle recognition now describe the vehicle type (bus, car, motorcycle, or truck) and the position of the vehicle in the scene. This feature significantly increases accuracy when color clustering is used to identify the color of each vehicle. Media Server includes a new color dictionary (`weightedcarcolors.dat`) that is optimized for analyzing regions derived by the neural network.

- Media Server has a new analysis engine, `Type=PersistentChangeDetection`, that detects moving objects and generates an alert when an object becomes stationary and remains stationary. In surveillance deployments you can use this engine to detect dropped or abandoned bags.

- Number plate recognition outputs the direction and speed (in pixels moved per second) of recognized number plates.

- When you do not set the `MinLuminance` parameter in a traffic light analysis task, the minimum luminance is calculated automatically based on the ingested video and the regions that you define. In previous versions of Media Server this parameter had a fixed default value.

Encoding

- The MJPEG encoder supports a new parameter, `Access-Control-Allow-Origin`, so that you can set the value of the `Access-Control-Allow-Origin` response header that is returned when the MJPEG stream is requested.

User Interfaces

- The Media Server graphical user interface includes a new "configuration builder" page to create and modify session configurations. The interface performs useful functions such as validating the values of configuration parameters. If you change the name of a task, it is updated throughout the configuration (for example where it is used as the input for subsequent tasks). The interface does not support partial configurations.

- When you build a surveillance configuration in the Media Server graphical user interface, you can choose an image to be the default scene image. This is included in the zip package when you export a configuration, and is imported along with the configuration settings. When a default image is available you can review the tripwires and regions that are defined in the configuration without having to re-ingest the source media.

- When you build a surveillance configuration, the Media Server graphical user interface can show all of your tripwires or regions simultaneously.

Miscellaneous

- Media Server supports a new Lua function, `drawText`, to draw text on images, video frames, and video overlays.

- The scene filter engine has new parameters so that you can set the threshold at which Media Server begins filtering video frames.

Resolved Issues

The following issues were resolved in Media Server version 12.6.0.

- In some circumstances the `AlertPath` engine could use an excessive amount of memory and cause Media Server to terminate unexpectedly.

Notes

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

- The value of the existing configuration parameter `AllowedOutputDirectoryCSVs`, in the `[Server]` section of the configuration file, can be applied to the `CreateClip` action and is applied to training actions that export database files. In previous versions of Media Server, these actions could write to any directory. For backwards compatibility this restriction is not applied to the `CreateClip` action unless the new parameter `AllowedEngineOutputDirectories` is set, but this exception might be removed in future.

Deprecated Features

Category	Deprecated Feature	Deprecated Since
Audio Matching	The output of audio matching has changed, to be more consistent with the output from other analysis tasks. The following output fields are deprecated: - `identifier` (use `identity/identifier` instead) - `database` (use `identity/database` instead) - `score` (use `identity/confidence` instead)	12.6.0
Speaker ID	The output of speaker identification has changed, to be more consistent with the output from other analysis tasks. The following output fields are deprecated: - `confidence` (use `identity/confidence` instead)	12.6.0
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 `GSSServiceName` and `RequireGSSAuth` 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
Training database	Setting the `SyncInterval` parameter as a number of milliseconds. Micro Focus recommends setting this parameter as a time duration instead.	12.4.0
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 `ImageBinarizeMethod` configuration parameter, from the Barcode analysis engine.
- The training action `SyncCustomSpeechLanguageModels`. Micro Focus recommends that you use the action `SyncCustomSpeechResources` instead.

Documentation

The following documentation was updated for Media Server version 12.6.0.

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