IDOL Server

Software Version 12.8.0

Release Notes

Legal notices

Copyright notice

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:

- 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

Introduction to IDOL 12

IDOL 12 is the latest major version of IDOL, and introduced some significant new features.

- **IDOL Audio Analysis** functionality is now available in Media Server, so that you do not need to install IDOL Speech Server separately.

  > **NOTE:** As a result of this change, IDOL Speech Server is not available in IDOL 12.0.0 and later.

- **IDOL Text Index Encryption**. You can now encrypt your IDOL text data index, using AES encryption.

- **Geospatial Index**. The new IDOL text geospatial index improves the handling of geographical search. You can now index geographical regions, as well as points, and the new index supports several new FieldText operators for geographical searches.

- **Dynamic Corpus Functionality**. Web Connector has new functionality to allow you to embed IDOL analytics into the decision making during the data collection process. It can now use custom algorithms to choose whether to ingest a page based on the result of a Lua script.

- **Improved embedded Web browser**. The Web Connector has a new and improved embedded Web browser.

IDOL NiFi Ingest

In addition to the new features and improvements available in the existing IDOL components, the wider IDOL framework now includes IDOL NiFi Ingest.

IDOL NiFi Ingest is a new way to plan and configure your ingestion stream. It uses Apache NiFi to allow you to easily configure and manipulate your data ingest process, from your connectors, to KeyView and other import processes (such as media analysis and Eduction), and your IDOL index.

NiFi Ingest is intended as an alternative to the Connector Framework Server. For more information, refer to the *IDOL NiFi Ingest Help*.

New in this Release

The following sections describe the enhancements for the components of IDOL Server version 12.8.0.

Content Component

New in this Release

- You can now require that all queries to Content have a `SecurityInfo` string, to disable anonymous queries, by setting `RequireSecurityInfo` to **True**. In this case, if the query does not include security info, it returns an error.

- The `TermExpand` action now respects the values of the `MinDocOccs` when `Expansion` is set to **AutoComplete** or **Phrase**.

- The `TermExpand` action now respects field restrictions when `Expansion` is set to **AutoComplete** or **Phrase**. You specify the restrictions as a colon-separated list appended to the `Text` parameter, in the same way as for other supported `Expansion` modes. For example:

  `action=TermExpand&Expansion=AutoComplete&Text=World War:SUMMARY`

  > **NOTE:** The field restrictions must specify only `UnstemmedTrackFields`. The phrase index uses the same set of tracked fields as the unstemmed index.
  >
  > To use field restrictions for phrase expansions with an existing index that has a phrase index and tracked fields configured, you must regenerate the phrase index to add tracking information.

- The `SecureTermExpansion` option has been optimized to reduce unnecessary security checks when expanding terms.

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Content Component to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The `List` ACI action sometimes returned an invalid response when a JSON response format was requested and no documents were returned.

- In an Agentstore configuration that contained documents with an `AlwaysMatchType` field, queries

without the `Text` parameter (or with `Text=*`), and with both `FieldText` and `MatchReference` or `MatchID`, sometimes missed documents from the results set.

- At query time, Content could on rare occasions log spurious errors `Unable to read term info` for non-existent terms to the application log.

- The `DREDELETEREF` index action could not reliably specify multiple `ReferenceType` fields in the `Field` parameter.

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Category Component

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Category Component to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Community Component

New in this Release

- You can now return a list of all the user field names that the Community component knows about (that is, stored in its internal database), by using the new `UserGetAllFieldNames` action. The list includes any fields that were copied from LDAP repositories as part of a user authentication or get attributes operation.

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Community Component to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Connector Framework Server

CFS includes KeyView filters and can run Eduction. For new features and resolved issues related to these components, refer to the *KeyView Release Notes* and *Eduction Release Notes*.

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures IDOL Server to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

- Scheduled actions that have the same start time now run in the order that the schedules were created (with `action=schedule`).

Resolved Issues

- The KeyView Filter API could return invalid data, which would cause CFS to terminate unexpectedly.

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Controller

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Controller to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

- Scheduled actions that have the same start time now run in the order that the schedules were created (with `action=schedule`).

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Coordinator

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Coordinator to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

- Scheduled actions that have the same start time now run in the order that the schedules were created (with `action=schedule`).

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Distributed Action Handler

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Distributed Action Handler to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The `List` ACI action sometimes returned an invalid response when a JSON response format was requested and no documents were returned.

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Distributed Index Handler

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Distributed Index Handler to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

File System Connector

New in this Release

- Tasks scheduled to start at the same time run in the order that they are enumerated by the *N* parameter (in the `[FetchTasks]` section of the configuration file).

- Scheduled actions that have the same start time now run in the order that the schedules were created (with `action=schedule`).

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients`

parameter accepts wildcards only in IP addresses.

Find

New in this Release

- Security improvements have been made to prevent clickjacking.

- When listing ControlPoint policies, Find now shows only the policies that the user has permissions for.

- Find now has a Related Users tab, which shows other users that are interested in topics related to the current search, and users designated as experts on topics related to the current search.

  To enable the tab, you must add `related-users` to the list in the configuration file, and set `users.relatedUsers.enabled` to **true**. For more information, refer to the *Find Administration Guide*.

- On the settings page, there is now an option to enable explicit profiling as part of the QMS configuration. This setting is enabled by default.

Resolved Issues

- Changes to ControlPoint configuration did not take effect until Find was restarted.

- Users with the FindBI role could access a lot of information about other users, such as email address, last-logged-in time, and a full field listing. Now, only the username is accessible, unless you enable the related users feature, in which case userID, email address, and the fields you configure to display are also accessible.

HTTP Connector (Solaris only)

New in this Release

- Tasks scheduled to start at the same time run in the order that they are enumerated by the N parameter (in the `[FetchTasks]` section of the configuration file).

- Scheduled actions that have the same start time now run in the order that the schedules were created (with `action=schedule`).

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

IDOL Admin

New in this Release

- All features that require unlicensed actions are now disabled in the IDOL Admin user interface. Previously the IDOL Admin behavior varied between features.

- When running IDOL Admin with the IDOL Community component, IDOL Admin now uses a POST request when setting user passwords, instead of a GET request. This option improves password security, because the password is less likely to be logged (for example by a proxy server).

- When running IDOL Admin with the License Server, there is now a button to allow you to update the license, at Control > Console > Service Control > Update License.

Resolved Issues

There were no resolved issues in IDOL Admin version 12.8.0.

IDOL Proxy Component

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to `True`. This option configures IDOL Proxy Component to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

IDOL Site Admin

New in this Release

- Security improvements have been made to prevent clickjacking.

Resolved Issues

There were no resolved issues in IDOL Site Admin version 12.8.0.

Knowledge Graph Component

New in this Release

- For applications where carriage return characters are important, you can now set the new PreserveCarriageReturn parameter to **True**. This option configures Knowledge Graph to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The Admin action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of Clients included a hostname with a wildcard, such as *.domain.example.com. The Clients parameter accepts wildcards only in IP addresses.

License Server

New in this Release

- You can now upload a new license to License Server by using the new UpdateLicense action.

- For applications where carriage return characters are important, you can now set the new PreserveCarriageReturn parameter to **True**. This option configures License Server to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The Admin action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of Clients included a hostname with a wildcard, such as *.domain.example.com. The Clients parameter accepts wildcards only in IP addresses.

Media Server (Windows and Linux only)

New in this Release

- Media Server can use perspective when processing video of a scene. Media Server can:

    - convert the position of an object in the scene into real-world 3D coordinates.

    - reduce the number of false positive results, by checking whether the size of an object, in pixels, corresponds to the real-world size of such an object. Media Server takes into account the position of the object in the scene and its distance from the camera.

    These features are available in object class recognition and vehicle model recognition. For information about using perspective in media analysis, refer to the *Media Server Administration Guide*.

- Media Server has a new action to link results from two separate processing sessions, where two cameras monitor the same scene from different perspectives. If you output the results from each session to an XML file, you can use the `LinkProcessResults` action to generate pairs of UUIDs (one from each session) that represent the same object class or vehicle.

- Media Server has a new action that compares every face image in your training database to every other face image, and generates clusters that contain images of the same person. You can use this action to find possible cases where a face image has been assigned to the wrong identifier, or where multiple identifiers represent the same person. For more information, refer to the documentation for `action=FaceClustering`.

- Improved OCR accuracy when `OCRMode=scene`.

- OCR results include a new metadata field, named "block", that indicates which block of text the result belongs to. Media Server starts counting at zero and increments the counter each time it recognizes a new heading, paragraph, or table. The counter is reset to zero at the start of each page. For example, a page that consists of ten paragraphs will have blocks numbered from zero to nine, in logical reading order. A table, including headings, columns, and rows, is considered to be a single block.

- Speaker identification now provides a granular confidence score, with values from 0 to 100, rather than just indicating a possible match.

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to `True`. This option configures Media Server to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

- Scheduled actions that have the same start time now run in the order that the schedules were created (with `action=schedule`).

Resolved Issues

- Changing a threshold for speaker identification (using `action=SetSpeakerThreshold`) did not cause the database to require synchronization. (Media Server would synchronize with the database successfully but the change did not take effect).

- In some action responses, audio clips were referred to as images.

- Object class recognition training could fail with the error "Bad input line".

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Query Manipulation Server Component

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Query Manipulation Server to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- QMS stripped trailing whitespace from type-ahead input, which could result in unexpected autocompletion results.

- When `ExpandFieldText` and `ExpandPhrases` were set to **True**, QMS could spuriously return a bad parameter error when the Agentstore component returned only `FieldText` expansion rules to its `expandQuery`-related query.

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Statistics Server Component

New in this Release

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures Statistics Server to convert

carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

View Server Component

New in this Release

- ViewServer now uses a new KeyView library to improve its HTML rendering. The new library provides better rendering of HTML documents; word processor documents are now rendered as a print view, spreadsheets have a tabbed interface, and slideshow presentations use JavaScript to provide a slideshow-like experience in the browser.

  If necessary, you can use the previous rendering behavior, by setting the `LegacyRendering` parameter to `True` in the `[Viewing]` section. For example:

  ```
  [Viewing]
  LegacyRendering=TRUE
  ```

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to **True**. This option configures View Component to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Web Connector (Windows and Linux only)

New in this Release

- The connector supports scripted processing, which allows you to control the embedded browser and interact with the page that is being processed, by means of a custom Lua script. You can use this feature to retrieve information from pages that use JavaScript to load content. Sometimes these types of pages are referred to as using Asynchronous JavaScript and XML (AJAX) techniques.

- The connector can be configured to handle alerts and dialog boxes generated by JavaScript. For example, you can configure text to submit in response to a prompt.

- The connector can provide a client-side SSL certificate to a web server. You can configure this by setting the new parameters `SSLClientCertificatePath` and `SSLClientCertificatePassword`.

- Tasks scheduled to start at the same time run in the order that they are enumerated by the N parameter (in the `[FetchTasks]` section of the configuration file).

- Scheduled actions that have the same start time now run in the order that the schedules were created (with `action=schedule`).

- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an iframe, to improve clickjacking protection.

Resolved Issues

- Web Connector did not crawl a site correctly when resources on a page had the same URL as the page.

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Requirements

This section describes the system requirements, supported platforms, and software dependencies for IDOL Server 12.8.0.

Minimum System Requirements

The following are minimum system requirements for IDOL Server 12.8.0 on any supported operating system platform:

- a dedicated SCSI disk

- 4 GB RAM

- 100 GB disk space

- a minimum of 2 dedicated CPU - Intel Xeon or AMD Opteron or above

To run IDOL Server version 12.8.0, or its components, on UNIX platforms, the server must have the following minimum versions of libraries:

- GLIBC_2.3.2

- GLIBCXX_3.4.21

- GCC_4.8.0

> **NOTE:** The IDOL Server installer and component stand-alone zip packages provide these libraries in the `libgcc_s` and `libstdc++` shared libraries.
>
> If you start components from the command line (rather than using the init script), you might need to set the `LD_LIBRARY_PATH` to include the *InstallDir*`/common` and *InstallDir*`/common/runtimes` directories, to ensure that the component can access the installed shared libraries.
>
> You can also copy the shared libraries to the component working directory.

To run IDOL Server version 12.8.0 on the Microsoft Windows operating system, you might need to install Microsoft Visual C++ Redistributable packages. The IDOL Server installer includes the required redistributable files for Microsoft Visual C++ 2019, 2017, and 2013. You can also update your packages by using the latest version at: http://support.microsoft.com/kb/2019667.

Software Dependencies

Some IDOL Server components depend on specific third-party or other Micro Focus IDOL software. The following table details the IDOL Server software and feature dependencies.

Component	Dependencies

Find	Java Runtime Rnvironment (JRE) 8 or 11
IDOL Data Admin	Java Runtime Environment (JRE) 8 or 11
IDOL NiFi Ingest	Java Runtime Environment (JRE) 8
IDOL Site Admin	Java Runtime Environment (JRE) 8 or 11
MMAP	Java Runtime Environment (JRE) 8 or 11
Browsers	- Mozilla Firefox (latest version) - Chrome (latest version)

Supported Operating System Platforms

IDOL Server 12.8.0 is supported on the following platforms.

Windows (x86-64)

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012

Linux (x86-64)

The minimum supported versions of particular distributions are:

- Red Hat Enterprise Linux (RHEL) 6
- CentOS 6
- SuSE Linux Enterprise Server (SLES) 12
- Ubuntu 14.04
- Debian 8

Solaris (x86-64 and SPARC 64)

- Solaris 11
- Solaris 10

Some components, for example IDOL Media Server and IDOL Web Connector, are not available on Solaris.

Notes

- As a result of changes made to support TLS version 1.3:
  - Certificates that use outdated signature algorithms such as `md5WithRSAEncryption` must be replaced with certificates that use a more secure algorithm, such as `sha256WithRSAEncryption`.
  - RC4 ciphers are no longer supported.
- If you are running IDOL server on the Solaris operating system, ensure you specify an installation path that is less than 30 characters. This prevents an issue with the stop script.

Content

- The default Agentstore configuration files now include an `AlwaysMatchType` field with `PropertyFieldCSVS=*/ALWAYSMATCH`.

Deprecated Features

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

Category	Deprecated Feature	Deprecated Since
Configuration	The `NGramOrientalOnly` configuration parameter. You must now use the equivalent `NGramSentenceBrokenScriptOnly` parameter instead.	12.7.0

Eduction

Deprecated Features

The following features have been deprecated.

Category	Deprecated Feature	Deprecated Since
Configuration	`[PostProcessingTasks]` configuration section. Use the `PostProcessingTaskN` and `PostProcessThreshold` parameters in the `[Eduction]` section.	12.5

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 `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 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.	12.7.0
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	12.6.0

	analysis tasks. The following output fields are deprecated: • `confidence` (use `identity/confidence` instead)	
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	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.

• Setting the `SyncInterval` parameter as a number of milliseconds. This parameter must now be set in time duration format.

Documentation

The following documentation was updated for IDOL Server version 12.8.0.

- *IDOL Expert*
- *IDOL Getting Started Guide*
- *IDOL Server Reference* (online help)
- *IDOL Server Administration Guide*
- *IDOL Document Security Administration Guide*
- *Distributed Action Handler Reference* (online help)
- *Distributed Action Handler Administration Guide*
- *Distributed Index Handler Reference* (online help)
- *Distributed Index Handler Administration Guide*
- *License Server Reference* (online help)
- *License Server Administration Guide*
- *Connector Framework Server Reference* (online help)
- *Connector Framework Server Administration Guide*
- *File System Connector Help*
- *HTTP Connector Help*
- *Web Connector Help*
- *QMS Reference* (online help)
- *QMS Administration Guide*
- *Media Server Reference* (online help)
- *Media Server Administration Guide*
- *Controller Reference*
- *Coordinator Reference*
- *Knowledge Graph Reference* (online help)
- *Knowledge Graph Administration Guide*
- *Find Administration Guide*
- *IDOL Site Admin Installation Guide*
- *IDOL Site Admin User Guide*