IDOL Server

Software Version 12.7.0

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.

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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 12.7.0.

Content Component

New in this Release

- The `TermExpand` action has two new options to allow you to expand words into phrases:

    - `Expansion=`**`Autocomplete`** returns terms or phrases that start with the value that you provide in the `Text` parameter. If the input text ends with a space, it is treated as a whole word and the expansion returns only phrases that start with that word.

    - `Expansion=`**`Phrase`** returns phrases that start with the whole word or words that you provide in the `Text` parameter.

    To use phrase expansion, you must also enable the new phrase index (see next item).

- A new phrase index has been added to store phrases for new `TermExpand` options. You enable the phrase index by setting the `EnablePhraseIndex` configuration parameter to **`True`** in the `[Server]` section of your configuration file.

    The following new configuration parameters have also been added to control the behavior of the phrase index:

    - `PhraseIndexMemoryMaxSize`

    - `PhraseIndexCacheEntries`

    - `PhraseIndexMaxTerms`

    - `PhraseIndexTermMinDocOccs`

    - `PhraseIndexMinOccsPerField`

    - `RegeneratePhraseIndex`

    - `ValidatePhraseIndex`

    You can also validate the phrase index by using the `DREVALIDATE` index action. For more information about these configuration parameters, refer to the *IDOL Content Component Reference*.

- You can now configure Content to apply document security to the terms that it returns in the `TermExpand` action, by setting the `SecureTermExpansion` parameter to **`True`** in the `[Server]` section of the configuration file. In this case, the action returns only terms that come from documents that the user is permitted to access. `TermExpand` now also accepts the `SecurityInfo` parameter to provide user security information.

- The `MATCH FieldText` operator is now optimized on `ReferenceType` fields. This optimization applies only if the operator uses only `ReferenceType` fields.

- The `NGramOrientalOnly` parameter has been renamed to `NGramSentenceBrokenScriptOnly`. The old name is deprecated, and might be deleted in future.

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- When a Content index contained a large number of unique match or parametric field values, adding new values could be slow, particularly when queries with comparatively slow FieldText specifiers such as STRING were running at the same time as indexing. Indexing performance under these conditions has been improved.

- In some cases, a query that included stopwords in a SYNONYM operator could fail to return any results.

- When using a highlight mode that only highlights occurrences of terms that match a proximity expression, Content did not always highlight some occurrences of terms that matched chained proximity operators (for example A NEAR B NEAR C). For example, this issue occurred when using `Highlight=Proximity` with the `Query` action, or `Highlight=Terms&Boolean=True` for the `GetContent` and `Highlight` actions.

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

- When using `ShowReasons` in `AdvancedPlus` mode with certain `TangibleCharacters` configured, the `ShowReasons` information returned were incorrect for particular sentences.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

  - The auto refresh option would modify the selected open link option.

  - Links to the obsolete confighelp action have been removed.

  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

- The `GetStatus` action with `Format=html` did not correctly sanitize data such as database names.

- The spelling-corrected version of the query text returned by IDOL in the `<autn:spellingquery>` field lacked any field restrictions specified in the original query. Field restrictions are now preserved in the corrected query text.

- If IDOL received an index command IDOL while the server was shutting down, the process could wait indefinitely, rather than exiting.

- In the Content `IndexerGetStatus` action, the `<docidrange>` reported for `DREADD` index actions was inaccurate (specifically, the start ID was incorrect) if any of the indexed documents

contained more than one section.

- In the DREDELETEDOC index action, URL-escaped values in the Docs parameter were not parsed correctly. This issue particularly caused issues when using the syntax Range=[first,last] with an HTTP client library that automatically escaped non-alphanumeric characters.

Category Component

New in this Release

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- Various GetRequestLog (GRL) HTML issues have been fixed:
  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the GetRequestLog response.
  - The Open link in new window option did not work.
  - The auto refresh option would modify the selected open link option.
  - Links to the obsolete confighelp action have been removed.
  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Community Component

New in this Release

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- The UserRead action could return deleted user security fields (that is, security fields with empty values). These are no longer included in the response. In addition, when you set the value to empty, the UserRead action now returns ***DELETED*** as the field value in the response, as confirmation.

- Security field names were not properly escaped in XML. Non-valid user-set security XML field names are now converted to valid XML. Any non-valid XML characters are converted to '_' (an underscore).

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  ○ Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

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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

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- E-mail attachments were not extracted when `ImportExtractMessage` was set to `TRUE`.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  ○ Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

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  ○ Links to the obsolete confighelp action have been removed.

  ○ The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Controller

New in this Release

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  ○ Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  ○ The Open link in new window option did not work.

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  ○ Links to the obsolete confighelp action have been removed.

  ○ The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Coordinator

New in this Release

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  ○ Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

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  ○ Links to the obsolete confighelp action have been removed.

  ○ The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Distributed Action Handler

New in this Release

- DAH has been updated to support the new `TermExpand` action `Expansion=Phrase` option in the IDOL Content Component.

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- In a Distributor VDB setup, if DAH attempted to fail over to an inactive engine before the checking thread had run to mark it as down, DAH incorrectly tried to fail over to the same engine again. In cases where the Distributor VDB contained only two engines, DAH then returned an error that no engines were available, despite the other engine being up.

- When `ResponseFormat` was set to **JSON**, the `LanguageSettings` action provided an incorrectly constructed JSON response.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

  - The auto refresh option would modify the selected open link option.

  - Links to the obsolete confighelp action have been removed.

  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Distributed Index Handler

New in this Release

- In Consistent Hashing mode, you can now set `ExplicitExportSSLConfig` to configure the SSL options configuration section that DIH sends to child servers when it uses `DREEXPORTREMOTE` to redistribute documents.

  By default, DIH assumes that the SSL configuration in your child servers for communication with the DIH has the same configuration section name as you use in the DIH configuration file. That is, if DIH has a `[DIHSSLOptions]` section for communicating with its child Content servers, it assumes that the child servers also have `[DIHSSLOptions]`. To use a different configuration section name in your child servers, you must set `ExplicitExportSSLConfig` to specify the correct name.

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- In consistent hashing mode, if the DIH was configured to use SSL, redistribution using the `DREREDISTRIBUTE` command would fail.

> **NOTE:** By default, DIH assumes that the SSL configuration in your child servers for communication with DIH has the same configuration section name as you use in the DIH configuration file. That is, if DIH has a `[DIHSSLOptions]` section for communicating with its child Content servers, it assumes that the child servers also have `[DIHSSLOptions]`.
>
> To use a different configuration section name in your child servers, you must set `ExplicitExportSSLConfig`. For more information, see New in this Release, on the previous page, and refer to the *DIH Reference.*

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

  - The auto refresh option would modify the selected open link option.

  - Links to the obsolete confighelp action have been removed.

  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

File System Connector

New in this Release

- The IDOL NiFi Ingest connector supports the update action, so that you can update the metadata of files in the file system. There is a new processor, named `PatchFileSystem`, to handle these requests.

- The IDOL NiFi Ingest connector supports new features in NiFi Ingest that simplify data migration. For example, you can take files from a file system and insert them into another type of repository such as OneDrive, or take files from another repository and insert them into the file system. For more information, including a list of supported repositories, refer to the *NiFi Ingest Help*.

- The connector can insert documents into Digital Safe, through the Digital Safe REST API, in EML format. To do this, configure `IngesterType=DigitalSafeREST` and `StoreBinaryAndMeta=FALSE`.

Resolved Issues

- An issue with scheduling meant that tasks did not start at the correct time. The start of a task could be delayed, compared to the expected start time specified by the `ScheduleStartTime` parameter.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

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  - Links to the obsolete confighelp action have been removed.

  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Find

New in this Release

- The numeric field filter view now reflects the current query filters more closely.

- When previewing a document, the **Open Original** button now works for all documents. It previously worked only for documents with URLs. Clicking it for a document without a URL now downloads the original file through View Server.

- You can now configure the available sort options for search results, and set a default sort order, by using the `search` configuration section.

Resolved Issues

- The numeric field filter view did not show some field values near the edges of the graph.

- When comparing saved searches, the loading indicator did not appear.

HTTP Connector (Solaris only)

New in this Release

- The connector can insert documents into Digital Safe, through the Digital Safe REST API, in EML format. To do this, configure `IngesterType=DigitalSafeREST` and `StoreBinaryAndMeta=FALSE`.

Resolved Issues

- An issue with scheduling meant that tasks did not start at the correct time. The start of a task could be delayed, compared to the expected start time specified by the `ScheduleStartTime`

parameter.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  ○ Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  ○ The Open link in new window option did not work.

  ○ The auto refresh option would modify the selected open link option.

  ○ Links to the obsolete confighelp action have been removed.

  ○ The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

IDOL Admin

New in this Release

- When running Community, you can now view and change user fields (including security fields).

- When running Media Server and using the **Monitor** > **Async Queues** page to view the `process` action queue, a new "Source" column is available to show the media source provided to each action.

Resolved Issues

- Resolved several cross-site scripting vulnerabilities affecting IDOL Admin when used with the Content or Community components.

- On the Test Action page, when submitting an action, any parameter value that contained an equals sign (=) was sent incorrectly.

- When editing a configuration file, the text box could become very small.

IDOL Proxy Component

New in this Release

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- When using IDOL Proxy in Standalone mode, certain Community actions, such as `UserDecryptSecurityInfo` and `UserEncryptSecurityInfo`, were not recognized.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

  - The auto refresh option would modify the selected open link option.

  - Links to the obsolete confighelp action have been removed.

  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

IDOL Site Admin

New in this Release

There were no new features in IDOL Site Admin version 12.7.0.

Resolved Issues

- When editing a configuration file, the text box could become very small.

Knowledge Graph Component

New in this Release

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

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○ Links to the obsolete confighelp action have been removed.

○ The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

License Server

New in this Release

● The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

● Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

○ Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

○ The Open link in new window option did not work.

○ The auto refresh option would modify the selected open link option.

○ Links to the obsolete confighelp action have been removed.

○ The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Media Server (Windows and Linux only)

New in this Release

● Media Server can evaluate image classifiers and object class recognizers, and provide statistics about their performance, so that you can find the optimum number of training iterations for the neural network and avoid overfitting.

Media Server tests a classifier or recognizer by reserving some of the training data that you provide. During the training process, Media Server saves snapshots of the classifier or recognizer, so that you can evaluate different numbers of training iterations without having to repeat the training. After reviewing the statistics you can select the snapshot to use. You can enable these features by setting training options on your classifier or recognizer - they are not enabled by default. For more information, refer to the *Media Server Administration Guide*.

● Media Server can produce heat maps that show the areas of a scene with the most activity. As objects move through the same part of a scene, their paths overlap and the heat map turns from

blue, to green, and then to red. You can also configure a heat map to show where, and for how long, objects are stationary within a scene.

- The OpenSSL library has been updated to version 1.1.1g.

Analysis

- Media Server has a new engine for broadcast monitoring (`Type=VideoSegmentation`), to divide video into segments that end with a transition to the next scene. A new pre-trained classifier is available to classify the video segments as news or advertising. The new classifier is named `ImageClassifier_Broadcast.dat`.

- Image classification has a new parameter, `MaxClassResults`. You can use this parameter to limit the number of classifications for each input record or event. Media Server outputs the classifications with the best confidence scores. For example, to output only the classification with the greatest confidence score, set `MaxClassResults=1`.

- A new pre-trained classifier is available to classify images of documents. The classifier is named `ImageClassifier_Document.dat` and has the classes "CV", "Form", "ID Document", "Leaflet", "Letter", "Magazine", "Newspaper", "Poster", "Report", and "Table".

- Improved face recognition accuracy.

- Improved Optical Character Recognition (OCR) accuracy.

- OCR supports alphabet detection and detection of orientation when processing images in scene mode (for example photographs or still images from television broadcasts). These features are not available when ingesting video.

- Number plate recognition supports number plates from Taiwan (`Location=TW`).

- Improved filtering of skin colors in clothing analysis, so that the colors reported by Media Server more accurately match the clothing.

Encoding

- Media Server has a new encoding engine (`Type=EventClip`) to encode video clips of events produced by your analysis tasks. This is similar to setting up a rolling buffer and using the `CreateClip` action to save clips, except that the clips are generated automatically.

- Media Server has a new encoding engine (`Type=PDF`) to encode images to PDF files. The engine accepts data from Optical Character Recognition (OCR) so that you can create searchable PDF files from scanned documents or other images.

Miscellaneous

- The `Process` and `ValidateProcessConfig` actions accept configuration zip bundles saved from the Media Server Graphical User Interface. You no longer need to extract the files from a zip bundle before starting the `process` action.

- A new action (`GetTypeSchemas`) returns a list of XML schemas for the data types used in records. Output track schemas have also been added to the response of the existing action `ValidateProcessConfig`.

- A new macro, `%source.filename.stem%`, provides the source file name without the file extension.

- The `Rotate` transform engine can use an angle contained in the input data to make the image upright. Records from face detection, object recognition, and OCR contain angles. The `Angle` and `LuaScript` parameters are now optional.

Resolved Issues

- Optical character recognition could output incorrect bounding boxes for rotated text.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

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Query Manipulation Server Component

New in this Release

- The `TypeAhead` action now has an additional option, `Behavior=Phrase`, which allows you to expand the text into phrases that begin with the word or words in the input text. To use this option in **Index** mode, you must also update the IDOL Content component to version 12.7 or later and enable phrase index mode.

- In **Index** mode, the `TypeAhead` action with `Behavior=Trailing` option now expands to phrases as well as terms when the IDOL Content component has a phrase index available.

- In **Index** mode, the `TypeAhead` action now uses the IDOL Content component security checks, when available (that is, when Content has `SecureTermExpansion` configured).

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

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  - Links to the obsolete confighelp action have been removed.

  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Statistics Server Component

New in this Release

There were no new features in Statistics Server version 12.7.0.

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

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  - Links to the obsolete confighelp action have been removed.

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View Server Component

New in this Release

- The OpenSSL library has been updated to version 1.1.1g.

Resolved Issues

- The `ValidateConfig` action response marked settings for redaction postprocessing tasks as unused ("Key not used" or "Section unreferenced").

- On exit, View Server could sometimes print a message `ASSERT_a failed`.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

  - The auto refresh option would modify the selected open link option.

  - Links to the obsolete confighelp action have been removed.

  - The HTML page now uses a Content-Security-Policy to protect against malicious data injection by crafted actions sent to the server.

Web Connector (Windows and Linux only)

New in this Release

- Web Connector supports progress reporting for the synchronize action. When crawling the web, the connector cannot know how much work is left to complete, but it can provide information about what has been completed so far. In IDOL NiFi Ingest you can view a graphical progress report for a GetWeb processor by opening the **View Configuration** > **Advanced** > **Progress** page.

- The IDOL NiFi Ingest connector supports new features in NiFi Ingest that simplify data migration. For example, you can take items from the web and insert them into another type of repository such as a file system. For more information, including a list of supported repositories, refer to the *NiFi Ingest Help*.

- In `WKOOP.cfg`, you can set the parameter `IWAServerAllowedList` to specify the servers to accept Integrated Windows Authentication (IWA) requests from.

- The connector can insert documents into Digital Safe, through the Digital Safe REST API, in EML format. To do this, configure `IngesterType=DigitalSafeREST` and `StoreBinaryAndMeta=FALSE`.

Resolved Issues

- Custom JavaScript failed to run if the script file was specified with a relative path. (The connector can run custom JavaScript on web pages before it crawls and ingests them, so that you can

manipulate pages or interact with them before they are processed).

- A page load could time out when the HTML included a meta-refresh with a delay of zero seconds (`<meta http-equiv="refresh" ...>`).

- The connector could log the message "Failed To Load Page, Load Timed Out (start)" when a web server returned an HTTP 304 (not modified) status code.

- Setting `UseSystemProxy=TRUE` on platforms other than Windows caused undefined behavior.

- An issue with scheduling meant that tasks did not start at the correct time. The start of a task could be delayed, compared to the expected start time specified by the `ScheduleStartTime` parameter.

- Various `GetRequestLog` (`GRL`) HTML issues have been fixed:

  - Actions were not properly escaped in some places, which could allow malicious users to inject some alternative HTML in the `GetRequestLog` response.

  - The Open link in new window option did not work.

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Requirements

This section describes the system requirements, supported platforms, and software dependencies for IDOL Server 12.7.0.

Minimum System Requirements

The following are minimum system requirements for IDOL Server 12.7.0 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 12.7.0, 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 12.7.0 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 12.7.0 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

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

- The default values of the parameters `OutputSimpleMatchInfo` and `OutputScores` have been updated, to `False` and `True` respectively. These parameters apply only to `edktool` and were deprecated in IDOL 12.5. They might be removed in future.

Deprecated Features

The following features have been deprecated.

Category	Deprecated Feature	Deprecated Since
Java Eduction SDK	`EDKMatch::getTimedOut` function	12.6
edktool configuration	`SearchFields` parameter.	12.6

	This parameter applies only to IDX document input, which was deprecated in 12.5.0.	
Configuration	[PostProcessingTasks] configuration section. Use the PostProcessingTaskN and PostProcessThreshold parameters in the [Eduction] section.	12.5
edktool	The OutputScores and OutputSimpleMatchInfo configuration parameters.	12.5
edktool	XML configuration files are now deprecated. Use CFG format configuration files instead.	12.5
edktool	Eduction on IDX documents. The following configuration parameters that apply only to IDX are also deprecated as part of this change: • AllowDuplicates • CantHaveFieldCSVs • Databases • DocumentDelimiterCSVs	12.5

Media Server

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 12.7.0 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	12.7.0

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.

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
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

Documentation

The following documentation was updated for IDOL Server version 12.7.0.

- *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*