

IDOL Content Component

Software Version 12.7.0

Release Notes



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Documentation updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

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- 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](#).

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New in this Release

The following new features were released in IDOL Content Component version 12.7.0.

- 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 `NGramOrienta1Only` 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

The following issues were resolved in IDOL Content Component version 12.7.0.

- 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 DRELETEDOC 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.

Notes

These notes provide extra information about installing and using IDOL Content Component.

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

Documentation

The following documentation was updated for IDOL Content Component version 12.7.0.

- *IDOL Expert*
- *IDOL Getting Started Guide*
- *IDOL Server Reference*
- *IDOL Content Component Reference*
- *IDOL Server Administration Guide*