

Query Manipulation Server

Software Version 12.0.0

Release Notes



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Contents

New in this Release 5

Resolved Issues 6

Notes 7

Documentation 8

New in this Release

This section lists the enhancements to Query Manipulation Server version 12.0.0.

- You can now adjust the `TypeAhead` action behavior to expand the user text as if it is a substring of the suggestion. By default, QMS expands a type ahead term as the start of any suggestion (for example, if the user types *th*, it might suggest *theater*, but never *with*). You can set the new `Behavior` action parameter to **substring** to instead match the user text as a substring (for example, to expand *th* to *theater*, *with*, and *anthem*).

This parameter is available for all the type ahead modes. In dictionary mode, you can use the new `DictionaryMaxNGram` and `DictionaryMinNGram` configuration parameters in the `[TypeAhead]` section to adjust the matching behavior.

NOTE:

To use this parameter with type ahead in Answer Bank mode, you must also upgrade Answer Server to version 12.0.0 or later.

- Several new modes have been added for the JSON response format. The `ResponseFormat` general ACI action parameter has the following new options:
 - `json/0`. The older JSON format, which returns single-element lists as objects rather than arrays.
 - `json/1`. A new JSON format, which returns single-element lists as arrays, for consistency with multiple-element lists.
 - `simplejson`. A new JSON format, similar to `json/1`, but it does not use \$ nodes to represent XML nodes unless the equivalent XML node contains attributes. This response format also does not use `autn:` prefixes in node names.

The existing `ResponseFormat` option, `json`, uses your default JSON format, which you configure by setting the `JSONFormat` parameter in the `[Server]` section of the configuration file. The `JSONFormat` configuration parameter accepts the three values listed above, as well as `json`, which uses the latest JSON format version (currently `json/1`).

- The OpenSSL library has been updated to version 1.0.2n.

Resolved Issues

This section lists the resolved issues in Query Manipulation Server version 12.0.0.

- The request cooker Lua function `autn_aci.parse_request_string` did not allow parameter names that contained underscores.
- QMS did not return non-synonym rules in the `autn:expansionOrder` response if the request did not also activate a synonym rule.
- If the remote IDOL Content component language configuration included a sentence breaking DLL file that did not exist locally, and set additionally `SentenceBreakingOptions`, QMS could fail to configure language settings, resulting in errors for query actions. QMS now checks the `LanguageDirectory` configured in the QMS configuration `[LanguageTypes]` section, rather than using the paths returned from the remote IDOL.
- The `ShowPermissions` action did not show permissions for `SSLIdentities` configured in the `[AuthorizationRoles]`.
- If an ACI Server was configured to request client SSL certificates, running multiple requests from a client could sometimes fail with **session id context uninitialized** errors. For example, this could occur when loading IDOL Admin.

Notes

These notes provide extra information about installing and using Query Manipulation Server.

- Documentation for the deprecated [DAH] configuration section has been removed.
- Documentation for the deprecated `AdminClients`, `IndexClients`, `UserClients`, `QueryClients`, `ServiceControlClients`, and `ServiceStatusClients` parameters has been removed.

This functionality is still available, but might be incompatible with new functionality, and might be deleted in the future. For details about the parameters, refer to the documentation for your components at version 11.6 or earlier.

Documentation

The following documentation was updated for this release.

- *QMS Administration Guide*
- *QMS Reference*