



**Hewlett Packard**  
Enterprise

# Query Manipulation Server

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## Release Notes

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# New in this Release

This section lists the enhancements to Query Manipulation Server version 11.5.0.

- You can now configure QMS to use GSS authentication to communicate with its child components. The `GSSServiceName` parameter has been added to the `[Community]`, `[IDOL]` and `[PromotionAgentstore]` configuration sections. Set these parameters to the GSSAPI service name of the child component. You must also set the associated `Host` parameter to the fully qualified domain name for the child component server, which QMS uses to retrieve the realm. QMS then uses GSSAPI authentication to connect to those child services.
- Lua scripts that you call in QMS can now use IDOL standard Lua methods and functions. These functions are available in Request Cooker and Type Ahead Lua scripts. For more information about the method and functions available, see the *QMS Reference*.
- The `TypeAhead` action has the new **Answerbank** mode, which retrieves suggestion values from an Answer Server Answer Bank system. This option allows you to use reference questions from the Answer Bank as query suggestions, directing users towards existing answers. To use this option, you must configure the `[AnswerServer]` configuration section, with the `Host` and `Port` of your Answer Server. You must also set the `AnswerBankSystem` parameter in your `[TypeAhead]` configuration section to the name of the Answer Bank system that you want to use.
- The URL-decoding function in the `autn_aci.lua` script (provided with QMS) now changes plus (+) characters into spaces.
- All ACI server ports now support the `Expect: 100-continue` HTTP header. Previously, third-party client applications that used this header (for example, using the `cURL` utility with the `-F` option to POST form data) could experience increased latency when communicating with the ACI server.
- You can now configure GSS authentication on the ACI and service ports without using ACI encryption. In this mode, all connections to the ports must be authenticated using GSSAPI and the Negotiate HTTP authentication mechanism.

To use GSS authentication, you must set the `GSSServiceName` parameter in the `[Server]` section to the full service name, domain, and Kerberos realm for the service. You can then set the `RequireGSSAuth` parameter in the `[Server]` section to enable GSS authentication on the ACI port, and set `RequireGSSAuth` in the `[Service]` section to enable GSS authentication on the service port.

**NOTE:**

You cannot configure `RequireGSSAuth` with the `[ACIEncryption]` configuration options. If you attempt to configure both, the server does not start.

This method provides an authentication requirement only. HPE recommends that you use it in conjunction with TLS/SSL to encrypt the authentication data.

## Resolved Issues

This section lists the resolved issues in Query Manipulation Server version 11.5.0.

- QMS did not return responsive unindexed promotion documents in a promotions query if the other responsive static and dynamic promotions did not retrieve any documents from the Content data index.
- When an authorization role defined `Actions`, `ServiceActions`, or `IndexActions`, and the authorization role `Clients` parameter contained host names, calling the `ShowPermissions` action could result in an interruption of service.

## Notes

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

- The following configuration parameters for setting server action authorization by client IP address have been deprecated:
  - [Server] AdminClients
  - [Server] IndexClients
  - [Server] QueryClients or UserClients
  - [Service] ServiceControlClients
  - [Service] ServiceStatusClients

You can now use the [AuthorizationRoles] configuration section to set up authorization for your servers more flexibly. These configuration parameters are still available for existing implementations, but they might be incompatible with new functionality. The parameters might be deleted in future.

# Documentation

The following documentation was updated for this release.

- *QMS Administration Guide*
- *QMS Reference*