



Hewlett Packard
Enterprise

Controller

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New in this Release

This section lists the enhancements to HPE Controller version 11.5.0.

- The `GetServices` action now returns the GSSAPI service name of your services, if you have configured GSSAPI authentication. Controller retrieves the service names directly from the service configuration files.

CAUTION:

Controller stores the service names in local storage files, and in a configured remote Controller SQL database. Storing the service names changes the SQL schema from earlier versions of Controller and Coordinator. Controller 11.5.0 automatically updates the schema when it starts. The updated tables are not compatible with earlier versions of Controller and Coordinator.

- The Controller Lua functions and methods have the following changes:
 - New functions and classes have been added for manipulating and parsing JSON. The new functions are `parse_json`, `parse_json_array`, and `parse_json_object`. The new classes are `LuaJsonArray`, `LuaJsonObject`, and `LuaJsonValue`.
 - New general Lua functions have been added for manipulating and parsing IDOL documents. The new functions are `parse_document_idx`, `parse_document_xml`, and `parse_document_csv`.
 - You can now call the `insertJson` method on `LuaField` objects as well as `LuaDocument` objects. You can also pass it one of the new `LuaJsonArray` or `LuaJsonObject` objects instead of a string.
 - The `LuaLogService` class and `get_log_service` function have been added. You can use these options to write log messages to a custom log file (instead of the standard ACI server log files).
 - The `get_config` function now uses the standard ACI server configuration file if you do not specify the path argument.
 - The general function `get_log(config, logstream)` has been deprecated. This function has been replaced with the new `get_log(log_type)` function.
- 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.

- 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.
The following feature was released in Controller 11.4.1.

- Controller now supports running in OEM-licensed environments. Coordinator, Controller, and all registered services must use the same OEM license key.

NOTE:

To use OEM licensing with Coordinator and Controller, you must update both components to version 11.4.1 or later. If you are using these components with IDOL Site Admin, you must also update the IDOL Site Admin application to version 11.4.1 or later.

Resolved Issues

This section lists the resolved issues in Controller version 11.5.0.

- When the Controller configuration included a scheduled Lua task that referenced a nonexistent script, Controller could exit unexpectedly when trying to run the task.
- Controller reported the index port of the target server for scheduled index actions, rather than the ACI port.
- 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 Controller.

- The SQL database schema has been updated. Controller 11.5.0 automatically updates the schema when it starts.

NOTE:

The updated tables are not compatible with earlier versions of Controller and Coordinator.

- Documentation for the deprecated `ConfigContent` action parameter (for the `RestartService` action) has been removed.
- 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.

- *Controller Reference*