



Hewlett Packard
Enterprise

HPE Controller

Software Version: 11.4.0

Release Notes

Document Release Date: June 2017

Software Release Date: June 2017

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Contents

New in this Release 5

Resolved Issues 6

Documentation 7

New in this Release

This section lists the enhancements to HPE Controller version 11.4.0.

- You can now configure Coordinator and Controller to store statistics in a shared SQL database, rather than locally on disk. You can also set up multiple coordinators to use the same database, for a simple high availability setup.

As part of this change, the Controller components now store the statistics in the database.

To configure Controller to use a SQL database, set `UseODBCDatabase` to `True` in the `[Server]` section, and set `ConnectionString` in the `[Server]` section to the connection string for the database.

CAUTION:

As part of this update, the statistics format has been changed. As a result, when you upgrade to Controller 11.4.0, you cannot view the older statistics.

- Supported scheduled index actions can now take additional parameters in the same way as the scheduled ACL actions.
- You can now configure action authorization more flexibly. The `[AuthorizationRoles]` configuration section has been added. You can add subsections to create roles, which can use a combination of existing roles (equivalent to the existing `AdminClients`, `QueryClients`, and so on), or a specific set of actions. For each role, you can specify the client IPs and hosts, SSL identities, and GSS principals to use to identify users that have particular permissions to run actions.

If you want to use only SSL and GSS authorization, you can disable the client settings by setting the appropriate client configuration parameters to `""`. For example, `AdminClients=""` disables client authorization for administrative actions, and ensures that users must meet the SSL or GSS requirements.

- You can now set `SSLCertificate` to be a chain certificate in PEM format (consisting of the end-entity certificate, any intermediate certificates, and ending with the root CA certificate). This option allows a complete certificate to be returned to the connected peer.
- You can now set `SSLCheckCertificate` to `False` even when `SSLCACertificate` or `SSLCACertificatePath` are set. This allows the component to fill in any chain required for the `SSLCertificate` by using the certificates that you specify in `SSLCACertificate` and `SSLCACertificatePath`, without requiring a certificate from the connected peer.
- The `GSSAPILibrary` configuration parameter has been added to the `[Paths]` section. You can set this parameter to the path to the GSSAPI shared library or DLL that the application uses. Depending on your system configuration, HPE Controller attempts to detect the appropriate library to use. However, if you use Kerberos or GSSAPI security in your setup, HPE recommends that you set an explicit value for this parameter.

Resolved Issues

This section lists the resolved issues in HPE Controller version 11.4.0.

- Controller sometimes sent plain HTTP requests to child services configured for HTTPS.
- Controller did not retrieve statistics from child services configured for HTTPS.
- Controller sometimes failed to detect a Windows service that did not have a valid service description.
- The `GetVersion` action could incorrectly report their operating system on Microsoft Windows 10 and Microsoft Windows Server 2016 platforms.

Documentation

The following documentation was updated for this release.

- *Controller Reference*