



Hewlett Packard
Enterprise

HPE File System Connector

Software Version: 11.4.0

Release Notes

Document Release Date: June 2017

Software Release Date: June 2017

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New in this Release

This section lists the enhancements to HPE File System Connector version 11.4.0.

- The `identifiers` fetch action supports a new parameter, `FilterTypes`, which accepts a comma-separated list of the types of items to return identifiers for.
- The connector supports progress reporting for the `collect`, `delete`, `insert`, `stub`, and `update` fetch actions.
- The connector supports the following Lua functions:
 - `get_log_service`, and the new class `LuaLogService`. You can use these when you want to write log messages to a custom log file (instead of the standard ACI server log files).
 - `parse_document_csv`, `parse_document_idx`, and `parse_document_xml`. These functions parse CSV, IDX, or XML files into documents and call a function on each document. `parse_document_idx` and `parse_document_xml` can also parse a string or file that contains a single document and return a `LuaDocument` object.
 - New functions and classes for parsing and manipulating JSON. The new functions are `parse_json`, `parse_json_array`, and `parse_json_object`. The new classes are `LuaJsonArray`, `LuaJsonObject`, and `LuaJsonValue`.
- You can now call the Lua method `insertJson` 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.
- 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 File System Connector 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 File System Connector version 11.4.0.

- The `GetVersion` action could incorrectly report the operating system on Microsoft Windows 10 and Microsoft Windows Server 2016.

Supported Operating System Platforms

The following operating system platforms are supported by HPE File System Connector 11.4.0.

- Windows x86 64
- Linux x86 64
- Solaris x86 64
- Solaris SPARC 64

The most fully tested versions of these platforms are:

Windows

- Windows Server 2012 x86 64
- Windows 7 SP1 x86 64
- Windows Server 2008 R2 x86 64
- Windows Server 2008 SP2 x86 64

Linux

For Linux, the minimum recommended versions of particular distributions are:

- Red Hat Enterprise Linux (RHEL) 6
- CentOS 6
- SuSE Linux Enterprise Server (SLES) 10
- Ubuntu 14.04
- Debian 7

Solaris

- Solaris 10
- Solaris 11

Notes

- The Lua function `get_log(config, logstream)` has been deprecated. HPE recommends that you use the new function `get_log(log_type)` instead.
- The Lua function `string_uint_less` has been removed.

Documentation

The following documentation was updated for this release.

- *HPE File System Connector Administration Guide*
- *HPE File System Connector Reference*