

# Distributed Index Handler

Software Version 12.0.0

Release Notes



Document Release Date: June 2018

Software Release Date: June 2018

## Legal notices

### Copyright notice

© Copyright 2018 Micro Focus or one of its affiliates.

The only warranties for products and services of Micro Focus and its affiliates and licensors (“Micro Focus”) are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Micro Focus shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

### Trademark notices

Adobe™ is a trademark of Adobe Systems Incorporated.

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

UNIX® is a registered trademark of The Open Group.

## Documentation updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

To verify you are using the most recent edition of a document, go to

[https://softwaresupport.softwaregrp.com/group/softwaresupport/search-result?doctype=online help](https://softwaresupport.softwaregrp.com/group/softwaresupport/search-result?doctype=online+help).

You will also receive new or updated editions of documentation if you subscribe to the appropriate product support service. Contact your Micro Focus sales representative for details.

To check for new versions of software, go to <https://www.hpe.com/software/entitlements>. To check for recent software patches, go to <https://softwaresupport.softwaregrp.com/patches>.

The sites listed in this section require you to sign in with a Software Passport. You can register for a Passport through a link on the site.

## Support

Visit the Micro Focus Software Support Online website at <https://softwaresupport.softwaregrp.com>.

This website provides contact information and details about the products, services, and support that Micro Focus offers.

Micro Focus online support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support website to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Access the Software Licenses and Downloads portal
- Download software patches
- Access product documentation
- Manage support contracts
- Look up Micro Focus support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require you to register as a Passport user and sign in. Many also require a support contract.

You can register for a Software Passport through a link on the Software Support Online site.

To find more information about access levels, go to

<https://softwaresupport.softwaregrp.com/web/softwaresupport/access-levels>.

# Contents

|                           |   |
|---------------------------|---|
| New in this Release ..... | 5 |
| Resolved Issues .....     | 6 |
| Notes .....               | 7 |
| Documentation .....       | 8 |

## New in this Release

This section lists the enhancements to Distributed Index Handler version 12.0.0.

- You can now configure DIH to encrypt index data that it stores on disk in the index queue, and in the archive folder if you archive your index actions. DIH uses 256-bit AES encryption. You can configure encryption by setting the `AESKeyFile` parameter in the `[DataEncryption]` configuration section to the path to your AES key file, or by setting the `-dataencryptionkey` command-line parameter to the 64-character hexadecimal AES key when you start the DIH. The command-line option takes precedence over any configured key file information.
- When `RequireGSSAuth` is configured, and an index connection is rejected, DIH now logs the GSS Principal that initiated the connection.
- 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 Distributed Index Handler version 12.0.0.

- 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 Distributed Index Handler.

- 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.

- *Distributed Index Handler Reference*
- *Distributed Index Handler Administration Guide*