

# Distributed Index Handler

Software Version 12.0.0

Release Notes



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## 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 `auth:` 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*