



**Hewlett Packard**  
Enterprise

# **HPE Distributed Index Handler**

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## **Release Notes**

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# New in this Release

This section lists the enhancements to HPE Distributed Index Handler version 11.4.0.

- You can now configure DIH to use GSSAPI authentication on the index port. To enable it, you must set the `GSSServiceName` parameter in the `[Server]` section to the fully qualified GSSAPI service name that the Content component must use to identify itself. You must also set `RequireGSSAuth` to **True** in the `[IndexServer]` section to enable authentication.

You can also set `GSSServiceName` in the child server configuration sections (`[DIHEngineN]` or `[IDOLServerN]`) to use GSSAPI authentication to connect to the child server index ports. This option sets the service name to use for the child server.

**NOTE:**

This method provides an authentication requirement only. HPE recommends that you use it in conjunction with TLS/SSL to encrypt the authentication data.

- The DIH `EngineManagement` action now supports the `SSLConfig`, `ServiceSSLConfig`, and `GSSServiceName` parameters, to allow you to set these parameters when you add a new child server in the action.
- The `GSSServiceName` parameter has been added to the `DREEXPORTREMOTE` index action to allow you to export documents to a server that uses GSSAPI authentication.
- In `DistributeByDate` mode, you can now configure the `UnknownFieldValueAction` configuration parameter in the `[Server]` section to determine how to treat documents where the date field is missing, or does not contain a valid value in one of the configured date ranges.

The `UnknownFieldValueAction` configuration parameter has the same options as for `DistributebyFields` mode, but in `DistributeByDate` mode the default value is `Ignore`, which matches the existing behavior. For more information, refer to the *DIH Reference*.

- 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 Distributed Index Handler 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 Distributed Index Handler version 11.4.0.

- 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.

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