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Distributed Action Handler

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New in this Release

This section lists the enhancements to Distributed Action Handler version 11.5.0.

- When you send the `GetQueryTagValues` action through the DAH with `ValueDetails` set to **True**, you can now set the new `Print` parameter to **NoResults**, to return only the `ValueDetails` response. This option significantly improves the performance for this type of action when you only want the `ValueDetails` information.
- You can now configure GSS authentication on the ACI and service ports without using ACI encryption. In this mode, all connections to the ports must be authenticated using GSSAPI and the Negotiate HTTP authentication mechanism.

To use GSS authentication, you must set the `GSSServiceName` parameter in the `[Server]` section to the full service name, domain, and Kerberos realm for the service. You can then set the `RequireGSSAuth` parameter in the `[Server]` section to enable GSS authentication on the ACI port, and set `RequireGSSAuth` in the `[Service]` section to enable GSS authentication on the service port.

NOTE:

You cannot configure `RequireGSSAuth` with the `[ACIEncryption]` configuration options. If you attempt to configure both, the server does not start.

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

- DAH now supports GSSAPI authentication to connect to its child server ACI and service ports, without using ACI Encryption. To use this option, you must configure the `GSSServiceName` configuration parameter in the child server configuration section to the service name for the child component. You must also set the `ACIEncryption` configuration parameter to **False** in the child server configuration.

NOTE:

The `Krb5Service` parameter has been renamed to `GSSServiceName` for consistency with other components. Both versions of the parameter name work.

When you set this parameter with `ACIEncryption` set to **False**, you must also set the child server host parameters to the fully qualified host name for the child server, which DAH uses to retrieve the GSSAPI realm. When you set `ACIEncryption` to **True** (the default), you use the `Krb5Realm` parameter to specify the realm.

- All ACI server ports now support the `Expect: 100-continue` HTTP header. Previously, third-party client applications that used this header (for example, using the `cURL` utility with the `-F` option to POST form data) could experience increased latency when communicating with the ACI server.

Resolved Issues

This section lists the resolved issues in Distributed Action Handler version 11.5.0.

- The DAH would not return the `date_with_offset` attributes in the response to the `GetQueryTagValues` action when the `DateOffset` parameter had been used.
- The DAH would not return the `end_date` attribute in the response to a `GetQueryTagValues` action that queried only a single target child server with ranges.
- When processing a `GetQueryTagValues` action with both `FieldDependence` and `TotalValues` set to `True` the DAH could terminate unexpectedly.
- When a `GetQueryTagValues` action had both `FieldDependence` and `ValueDetails` set to `True`, the DAH did not sort by document count.
- When a `GetQueryTagValues` action had both `FieldDependenceMultiLevel` and `ValueDetails` set to `True`, DAH did not return `Count` attributes.
- When sorting the results of a `GetQueryTagValues` action by date or document count, there was no defined order for results that did not have valid dates, or that had equal document counts. DAH now uses alphabetical sorting as a tie-breaker.
- When a `GetQueryTagValues` action had `FieldDependence` set to `True`, DAH did not return date attributes `NumericDateType` or `autn_date` fields unless they were the first entry in the `FieldName` parameter. Additionally, if `FieldDependenceMultiLevel` was also set to `True`, the date attributes sometimes appeared at the wrong level in the nested response.
- When a `GetQueryTagValues` action had both `FieldDependenceMultiLevel` and `ValueDetails` set to `True`, DAH did not always return the date attribute for the `valueaverage` tag when the leaf field was `NumericDateType` or `autn_date`, and sometimes included the attribute for fields that were not `NumericDateType` or `autn_date`.
- The `GetQueryTagValues` action did not return the `total_values` tag when the `FieldDependence` parameter was set. This tag now returns the number of tuples available.
- When an authorization role defined `Actions`, `ServiceActions`, or `IndexActions`, and the authorization role `Clients` parameter contained host names, calling the `ShowPermissions` action could result in an interruption of service.

Notes

These notes provide extra information about installing and using Distributed Action Handler.

- The following configuration parameters for setting server action authorization by client IP address have been deprecated:
 - [Server] AdminClients
 - [Server] IndexClients
 - [Server] QueryClients or UserClients
 - [Service] ServiceControlClients
 - [Service] ServiceStatusClients

You can now use the [AuthorizationRoles] configuration section to set up authorization for your servers more flexibly. These configuration parameters are still available for existing implementations, but they might be incompatible with new functionality. The parameters might be deleted in future.

Documentation

The following documentation was updated for this release.

- *Distributed Action Handler Reference*
- *Distributed Action Handler Administration Guide*