Active Directory
08.21.03.00

Reference

Note

Before using this information and the product it supports, read the information in “Notices” on page 165.

This edition applies to version 8.20.00 of the Active Directory and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

Chapter 1. Active Directory

The Active Directory offers a central point of management for your Active Directory environment or application.

The software provides a comprehensive means for gathering the information that is required to detect problems early and to prevent them. Information is standardized across the system. You can monitor multiple servers from a single console. By using the you can easily collect and analyze Active Directory specific information.

Installing and configuring the agent

Install the monitoring agent on the system where the application that you want to monitor is located.

For more information, see the agent installation and configuration topics in IBM Knowledge Center:

- IBM Cloud Application Performance Management
- IBM Cloud Application Performance Management, Private

For supported operating systems, see System Requirements in the APM Developer Center.

Chapter 2. Dashboard

Open the Application Performance Dashboard in the Cloud APM console to see a status summary of all your applications. As you drill down to dashboard pages for specific applications and their supporting elements, more details are available about the selected item. Use the dashboard pages to proactively monitor your Active Directory deployment. Each page contains views with key performance indicators.

When an application that includes Active Directory *managed resources* is selected, the navigator and the **Status Overview** tab show Active Directory in the Components group:

- Click **Components** to see a single Active Directory group widget that is displayed along with a group widget for every other data source type in the application.
- Click the Active Directory subgroup to see a group widget for each managed resource in the application.
- Click inside a Active Directory group widget or click a Active Directory managed resource from the navigator **Instances** section to open a dashboard page with KPIs from the selected managed resource.

For more information about the KPIs, click ? in the view or click ⓘ in the dashboard banner.

Default dashboard pages

Microsoft Active Directory
The summary dashboard shows the overall status and availability of each monitored Active Directory application. Click anywhere on the group widget to drill down to open the detail dashboard. Review the resource usage and investigate any warning or critical thresholds. If the Events tab shows a warning or critical status indicator, open the tab to see the open events and status for the application.

ADCS Information
The ADCS Information dashboard provides the total number of certificates going to expire within 90 days.

ADFS Proxy Details
The ADFS Proxy Details dashboard provides information about the outstanding requests and request latency of the ADFS proxy server.

ADFS Token Request Details
The ADFS Token Request Details dashboard provides information about the number of relying party tokens that are issued per second by using the MSIS HTTP, OAuth, SAML-P, WS-Federation, and WS-Trust protocols for the specified period.

Domain Controller Replication Summary
The Domain Controller Replication Summary dashboard provides information about the replication status of the domain controllers. Use the Domain Controller Replication Summary dashboard to know the replication details, such as replication latency and time.

Lightweight Directory Access Protocol
The Lightweight Directory Access Protocol dashboard provides information about LDAP, such as bind time, client sessions, searches, binds, and write operations.

Microsoft Active Directory - Overview
The Microsoft Active Directory - Overview dashboard helps to know the following details of the monitored Active Directory instances:

- The details of time server
- The status of configured Active Directory roles (domain naming master, schema master, RID master, infrastructure master, and PDC master)
- Domain controller details, such as controller name, replication failure, Sysvol status, and the duration of last completed replication
- The details of trust connection, such as domain name, NetBIOS name, trust direction, and trust status

- ADFS details, such as number of rejected requests per second and number of relying party tokens issued per second
- GPO details, such as state, status, version, and Sysvol version
- Information about Netlogon perfmon instance, such as semaphore holders, semaphore timeout, semaphore waiters, and average semaphore hold time
- KCC details, such as Percentage of Reads, writes and searches
- Last Logon Information, such as username, member of groups, total failed attempts, recent failed attempts, Last failed logon timestamp, Last success logon timestamp
- Group Membership Changes, such as Username, Operation, Group name, Performed by, Performed on
- User and System Account Information like Logon Failure Count As Per Error Code, Enable Disable User Count, Logon Peak Hour and Account Management(User, Group and Computer)
- ADCS Information, like Request Id, Issued To, Issued By, Certificate Template, Certificate Valid From(Start Date), Expiring Date

User and System Account Information

The User and System Account Information dashboard provides the count of changes made such as addition, deletion and modification in user, group and computer accounts, logon failure count as per error code and enabled disabled user count.

Additional group widgets

These pop-up group widgets are displayed after you click a group widget for more details. Some group widgets have links to more granular information in a popup widget, described here.

Widgets for the Default dashboard pages

Microsoft Active Directory

The summary dashboard shows the overall status and availability of each monitored Active Directory application. Click anywhere on the group widget to drill down to open the detail dashboard. Review the resource usage and investigate any warning or critical thresholds. If the Events tab shows a warning or critical status indicator, open the tab to see the open events and status for the application.

The following widgets are available in this dashboard page:

MS Active Directory

The MS Active Directory group widget provides information about the overall status of the Active Directory resources, such as bind time, cache size, cache miss(%), replication status of domain controllers, time drift, status of trust connection, ADFS status, GPO status and specifies if the DC is virtual domain controller.

The following KPIs for the widget are derived from the attributes as described:

- ADFS status: The status of ADFS such as normal or critical.
- Cache miss (%): The percentage of cache access attempts when the required data was not available in the cache.
- Cache size (MB): The size in MB of schema cache. This data is derived from the K3Z DCP KB Cache Size attribute in the Domain Controller Performance data set.
- Domain controllers - replication critical: The status of replication is critical. This data is derived from the K3Z DCR Domain Controller Name attribute in the Domain Controller Replication data set.
- Domain controllers - replication normal: The status of replication is normal. This data is derived from the K3Z DCR Domain Controller Name attribute in the Domain Controller Replication data set.
- GPO status - Critical: The status of GPO is critical.
- GPO status - Normal: The status of GPO is normal.

- KCC status: The status of the inter-site topology generator. The Enum values for this attribute can be: Enabled, Disabled.. This data is derived from the K3Z KCC Inter Site Topology Generator attribute in the Kerberos Consistency Checker data set.
- LDAP client sessions: The number of currently connected LDAP client sessions. This data is derived from the K3Z LDAP Client Sessions attribute in the LDAP data set.
- Time drift (seconds): The status of domain controller time drift.
- Trust connections - Critical: The status of trust connection is critical. This data is derived from the K3Z Trust Status attribute in the Trust data set.
- Trust connections - Normal: The status of trust connection is normal. This data is derived from the K3Z Trust Status attribute in the Trust data set.
- Virtual Domain Controller: Specifies domain controller is a virtual domain controller. This data is derived from the K3Z DCA Is Virtual Domain Controller attribute in the Domain Controller Availability data set.

ADCS Information

The ADCS Information dashboard provides the total number of certificates going to expire within 90 days.

The following widgets are available in this dashboard page:

Expiring Certificates Details

The Expiring Certificates Details group widget provides a grid widget that displays information about certificates which are going to expire within 90 days.

The following KPIs for the widget are derived from the attributes as described:

- Certificate Template: Displays the name of the Template used for the certificate. This data is derived from the K3Z Certificate Template attribute in the Expiring Certificates data set.
- Expiry Date: Displays the date on which certificate will expire. This data is derived from the K3Z EXPDATE attribute in the Expiring Certificates data set.
- Issued by: Displays the name of the Certification authority which has issued the certificate. This data is derived from the K3Z Issued By attribute in the Expiring Certificates data set.
- Issued To: Displays the name of AD entity to which the certificate was issued to. This data is derived from the K3Z Issued To attribute in the Expiring Certificates data set.
- Request ID: Displays the request ID of the issued certificate. This data is derived from the K3Z Request ID attribute in the Expiring Certificates data set.
- Start Date: Displays the date from which the certificate is valid. This data is derived from the K3Z STARTDATE attribute in the Expiring Certificates data set.

ADFS Proxy Details

The ADFS Proxy Details dashboard provides information about the outstanding requests and request latency of the ADFS proxy server.

The following widgets are available in this dashboard page:

Outstanding Requests (history)

The Outstanding Requests (history) group widget provides a line chart that shows the number of outstanding requests to the ADFS proxy server for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- Outstanding requests: The number of requests to the ADFS proxy server that are waiting in the queue to be processed. The value format is an integer. This data is derived from the K3Z FP Outstanding Requests attribute in the ADFS Proxy data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS Proxy data set.

Request Latency (history)

The Request Latency (history) group widget provides a line chart that shows the average round-trip time (RTT) of requests to the ADFS proxy server for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- Request latency: The average round-trip time of requests to ADFS proxy server. The value format is an integer. This data is derived from the K3Z FP Request Latency attribute in the ADFS Proxy data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS Proxy data set.

ADFS Token Request Details

The ADFS Token Request Details dashboard provides information about the number of relying party tokens that are issued per second by using the MSIS HTTP, OAuth, SAML-P, WS-Federation, and WS-Trust protocols for the specified period.

The following widgets are available in this dashboard page:

MSIS HTTP Token Requests Per Sec (history)

The MSIS HTTP Token Requests Per Sec (history) group widget provides a line chart that contains information about the number of relying party tokens that are issued per second by using the MSIS HTTP protocol for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- OAuth Requests: The number of relying party tokens that are issued per second by using the MSIS HTTP protocol. The value format is an integer. This data is derived from the K3Z FS MSIS HTTP Token Requests/Sec attribute in the ADFS data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS data set.

OAuth AuthZ Token Requests Per Sec (history)

The OAuth AuthZ Token Requests Per Sec (history) group widget provides a line chart that contains information about the number of incoming requests per second that the OAuth authorization endpoint received for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- OAuth AuthZ Requests: The number of incoming requests per second that the OAuth authorization endpoint received. The value format is an integer. This data is derived from the K3Z FS OAuth AuthZ Requests/Sec attribute in the ADFS data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS data set.

OAuth Requests Token Requests Per Sec (history)

The OAuth Requests Token Requests Per Sec (history) group widget provides a line chart that contains information about the number of relying party tokens that are issued per second by using the OAuth protocol for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- OAuth Requests: The number of relying party tokens that are issued per second by using the OAuth protocol. The value format is an integer. This data is derived from the K3Z FS OAuth Token Requests/Sec attribute in the ADFS data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS data set.

SAML-P Token Requests Per Sec (history)

The SAML-P Token Requests Per Sec (history) group widget provides a line chart that contains information about the number of relying party tokens that are issued per second by using the SAML-P protocol for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- SAML-P Requests: The average number of relying party tokens that are issued by using the SAML-P protocol. The value format is an integer. This data is derived from the K3Z FS SAML-P Token Requests/Sec attribute in the ADFS data set.

- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS data set.

WS-Fed Token Requests Per Sec (history)

The WS-Fed Token Requests Per Sec (history) group widget provides a line chart that contains information about the number of relying party tokens that are issued per second by using the WS-Federation protocol for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS data set.
- WS-Fed Requests: The number of relying party tokens that are issued per second by using the WS-Federation protocol. The value format is an integer. This data is derived from the K3Z FS WS-Fed Token Requests/Sec attribute in the ADFS data set.

WS-Trust Token Requests Per Sec (history)

The WS-Trust Token Requests Per Sec (history) group widget provides a line chart that contains information about the number of relying party tokens that are issued per second by using the WS-Trust protocol for the specified period.

The following KPIs for the widget are derived from the attributes as described:

- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the ADFS data set.
- WS-Trust Requests: The number of relying party tokens that are issued per second by using the WS-Trust protocol. The value format is an integer. This data is derived from the K3Z FS WS-Trust Token Requests/Sec attribute in the ADFS data set.

Domain Controller Replication Summary

The Domain Controller Replication Summary dashboard provides information about the replication status of the domain controllers. Use the Domain Controller Replication Summary dashboard to know the replication details, such as replication latency and time.

The following widgets are available in this dashboard page:

Replication Details

The Replication Details group widget provides a grid widget that contains information about the directory partition, number of replication attempt failures, last attempt time, and so on.

The following KPIs for the widget are derived from the attributes as described:

- Directory Partition: The directory partition for replication. This data is derived from the K3Z DCR Directory Partition attribute in the Domain Controller Replication data set.
- Failures: The number of replication attempts with the replication partner that failed since the last completed replication. This data is derived from the K3Z DCR Replication Failures attribute in the Domain Controller Replication data set.
- Last Attempt Time: The last time when the replication was attempted with the replication partner. This data is derived from the K3Z DCR Last Attempt Time attribute in the Domain Controller Replication data set.
- Last Success Time: The last time when the replication was completed with the replication partner. This data is derived from the K3Z DCR Last Success Time attribute in the Domain Controller Replication data set.
- Site Name: The name of the local site. This data is derived from the K3Z DCR Site Name attribute in the Domain Controller Replication data set.

Replication Latency (history)

The Replication Latency (history) group widget provides a line chart that contains information about the time interval to replicate domain controller objects from a local server to the replication server. You must configure the historical data collection to view data in this group widget.

The following KPIs for the widget are derived from the attributes as described:

- Replication Latency: The time that is required to replicate objects from a monitored server to the replication partner. A value of -1 indicates inconsistency in replication. This data is derived from the K3Z RLT Replication Latency attribute in the Replication Partner Latency data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the Replication Partner Latency data set.

Time Details

The Time Details group widget provides HTML tables that contain information about the time drift and Sysvol replication of the domain controller.

The following KPIs for the widget are derived from the attributes as described:

- Monitored server (seconds): The date and time when the Sysvol replication test was started on the domain controllers.
- Start time: The date and time when the Sysvol replication test was started on the domain controllers. This data is derived from the K3Z DCR Sysvol Replication Test Start Time attribute in the Domain Controller Replication data set.
- Time server (seconds): Provides information about the domain controller time drift.
- Verification time: The date and time when the results of Sysvol replication test are verified on the domain controllers. This data is derived from the K3Z DCR Sysvol Replication Test Verification Time attribute in the Domain Controller Replication data set.

Lightweight Directory Access Protocol

The Lightweight Directory Access Protocol dashboard provides information about LDAP, such as bind time, client sessions, searches, binds, and write operations.

The following widgets are available in this dashboard page:

LDAP Bind Time (history)

The LDAP Bind Time (history) group widget provides a line chart that contains information about the LDAP bind time for the specified period. You must configure the historical data collection to view data in this group widget.

The following KPIs for the widget are derived from the attributes as described:

- Bind Time: The time (in milliseconds) that is taken to complete the last LDAP bind. This data is derived from the K3Z LDAP Bind Time attribute in the LDAP data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the LDAP data set.

LDAP Client Sessions (history)

The LDAP Client Sessions (history) group widget provides a line chart that contains information about the number of connected LDAP client sessions for the specified period. You must configure the historical data collection to view data in this group widget.

The following KPIs for the widget are derived from the attributes as described:

- Client Session: The number of currently connected LDAP client sessions. This data is derived from the K3Z LDAP Client Sessions attribute in the LDAP data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the LDAP data set.

LDAP Searches Per Second (history)

The LDAP Searches Per Second (history) group widget provides a line chart that contains information about the rate at which LDAP clients perform search operations for the specified period. You must configure the historical data collection to view data in this group widget.

The following KPIs for the widget are derived from the attributes as described:

- Searches: The rate at which LDAP clients perform search operations. This data is derived from the K3Z LDAP Searches Per Sec attribute in the LDAP data set.

- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the LDAP data set.

LDAP Successful Bind Per Second (history)

The LDAP Successful Bind Per Second (history) group widget provides a line chart that contains information about the number of LDAP binds per second for the specified period. You must configure the historical data collection to view data in this group widget.

The following KPIs for the widget are derived from the attributes as described:

- Successful Bind: The number of LDAP binds per second. This data is derived from the K3Z LDAP Successful Binds per sec attribute in the LDAP data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the LDAP data set.

LDAP Writes Per Second (history)

The LDAP Writes Per Second (history) group widget provides a line chart that contains information about the rate at which LDAP clients perform write operations for the specified period. You must configure the historical data collection to view data in this group widget.

The following KPIs for the widget are derived from the attributes as described:

- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the LDAP data set.
- Writes: The rate at which LDAP clients perform write operations. This data is derived from the K3Z LDAP Writes per sec attribute in the LDAP data set.

Microsoft Active Directory - Overview

The Microsoft Active Directory - Overview dashboard helps to know the following details of the monitored Active Directory instances:

- The details of time server
- The status of configured Active Directory roles (domain naming master, schema master, RID master, infrastructure master, and PDC master)
- Domain controller details, such as controller name, replication failure, Sysvol status, and the duration of last completed replication
- The details of trust connection, such as domain name, NetBIOS name, trust direction, and trust status
- ADFS details, such as number of rejected requests per second and number of relying party tokens issued per second
- GPO details, such as state, status, version, and Sysvol version
- Information about Netlogon perfmon instance, such as semaphore holders, semaphore timeout, semaphore waiters, and average semaphore hold time

The following widgets are available in this dashboard page:

Active Directory Role - Bind Status

The Active Directory Role - Bind Status group widget provides an HTML table that contains information about the domain naming master bind, the relative ID (RID) master bind, the infrastructure master bind, the schema master bind, and the primary domain controller (PDC) master bind. Click anywhere in the Active Directory Role - Bind Status group widget to see the Active Directory Role - Ping Time (seconds) group widget.

The following KPIs for the widget are derived from the attributes as described:

- Domain naming master: The current bind status of the domain naming master. The bind status can be Success, Failure, or Not Available. This data is derived from the K3Z DCA Bind Domain Naming Master attribute in the Domain Controller Availability data set.
- Infrastructure master: The current bind status of the infrastructure master. The bind status can be Success, Failure, or Not Available. This data is derived from the K3Z DCA Bind Infrastructure Master attribute in the Domain Controller Availability data set.

- PDC master: The current bind status of the primary domain controller (PDC) master. The bind status can be Success, Failure, or Not Available. This data is derived from the K3Z DCA Bind PDC Master attribute in the Domain Controller Availability data set.
- RID master: The current bind status of the relative ID (RID) master. The bind status can be Success, Failure, or Not Available. This data is derived from the K3Z DCA Bind RID Master attribute in the Domain Controller Availability data set.
- Schema master: The current bind status of the schema master. The bind status can be Success, Failure, or Not Available. This data is derived from the K3Z DCA Bind Schema Master attribute in the Domain Controller Availability data set.

ADCS Information

The Active Directory Certificate Service group widget provides an HTML table that contains information about the number of certificates going to expire within 90 days.

The following KPIs for the widget are derived from the attributes as described:

- Certificates expiring within 90 days: Certificates expiring within 90 days. This data is derived from the K3Z Request ID attribute in the Expiring Certificates data set.

ADFS Details

The ADFS Details group widget provides information about the number of requests to the ADFS proxy server that are rejected per second and the number of relying party tokens that are issued per second. Click Token requests/sec to view the details of ADFS token requests for all the protocols, such as MSIS HTTP, OAuth, SAML-P, WS-Federation, and WS-Trust. Click Rejected requests/sec to view the details of ADFS proxy server, such as request latency and outstanding requests.

The following KPIs for the widget are derived from the attributes as described:

- Rejected requests/sec: The number of requests that were rejected per second due to congestion throttling. The value format is an integer. This data is derived from the K3Z FP Rejected Requests/sec attribute in the ADFS Proxy data set.
- Token requests/sec: The number of relying party tokens that are issued per second for all protocols. The value format is an integer. This data is derived from the K3Z FS Token Requests/Sec attribute in the ADFS data set.

Database Cache Performance (history)

The Database Cache Performance (history) group widget provides a line chart that contains information about the cache size and the cache hits. It also provides a bar chart that contains information about the page faults per second and the page faults stalls per second. You must configure the historical data collection to view data in this group widget.

The following KPIs for the widget are derived from the attributes as described:

- Cache Hit (%): The percentage ratio of cache hits to total cache requests. This data is derived from the K3Z DCP Cache Pct Hit attribute in the Domain Controller Performance data set.
- Cache Size: The size in KB of schema cache. This data is derived from the K3Z DCP KB Cache Size attribute in the Domain Controller Performance data set.
- Page Faults Per Second: The number of page faults that occurred per second. This data is derived from the K3Z DCP Cache Page Faults Sec attribute in the Domain Controller Performance data set.
- Page Faults Stalls Per Second: The number of page faults per second that cannot be serviced because pages are not available for allocation from the database cache. This data is derived from the K3Z DCP Cache Page Fault Stalls Sec attribute in the Domain Controller Performance data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the Domain Controller Performance data set.

Domain Controller Details

The Domain Controller Details group widget provides a grid that contains information about the domain controller such as domain controller name, replication failure, Sysvol status, and time since last completed replication. Click a domain controller in the Domain Controller Details group widget to see the Domain Controller Replication Summary page.

The following KPIs for the widget are derived from the attributes as described:

- Domain Controller Name: The name of the replication partner domain controller. This data is derived from the K3Z DCR Domain Controller Name attribute in the Domain Controller Replication data set.
- Replication Failures: The number of replications that failed. A value greater than zero denotes failed replications. The normal status of replication is indicated a zero value. This data is derived from the K3Z DCR Replication Failures attribute in the Domain Controller Replication data set.
- Sysvol Status: The status of Sysvol replication. This data is derived from the K3Z DCR Sysvol Status attribute in the Domain Controller Replication data set.
- Time Since Last Successful Replication (minutes): The time that is lapsed in minutes since the last successful replication. This data is derived from the K3Z DCR Time Since Last Successful Replication attribute in the Domain Controller Replication data set.

Domain Controller Time Drift

The Domain Controller Time Drift group widget provides a grid that contains information about the time server that is used by the domain controller.

The following KPIs for the widget are derived from the attributes as described:

- Domain controller time: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the Domain Controller Availability data set.
- Time drift status: The difference between the time on the domain controller where the agent is installed and the time on the computer (in the same domain) where the gtimserv flag is set. If the domain controller cannot find the good time server in the domain, then the time difference is calculated from the preferred good time server, which is the PDC of the root domain. To ensure that the time difference is calculated correctly, Windows Time service must run on the domain controller where the agent is installed and on the time server that is used to calculate the DCA Time Difference attribute value. This data is derived from the K3Z DCA Time Difference v630 attribute in the Domain Controller Availability data set.
- Time server name: The name of the good time server or the preferred good time server. Good time server is the server on which the gtimeserv flag is set, and the preferred good time server is the PDC of the domain. This data is derived from the K3Z DCA Time Server Name attribute in the Domain Controller Availability data set.
- Time server time: The system time of good time server. This data is derived from the K3Z DCA Time Server time attribute in the Domain Controller Availability data set.
- Time server type: Specifies whether the type of time server is a good time server or a preferred good time server. This data is derived from the K3Z DCA Time Server Type attribute in the Domain Controller Availability data set.

GPO Details

The GPO Details group widget provides a grid widget that displays information about the status and state of the Group Policy Object (GPO).

The following KPIs for the widget are derived from the attributes as described:

- Name: The Group Policy Object name. This data is derived from the K3Z GPO Name attribute in the GPO data set.
- State: The state of the Group Policy Object. This data is derived from the K3Z GPO Status attribute in the GPO data set.
- Status: The status of GPO that includes information about consistency between the version of GPO and GPO Sysvol.

- Sysvol version: The version number for the GPO from the Sysvol record. This data is derived from the K3Z GPO Sysvol Version attribute in the GPO data set.
- Version: The version number of the GPO. This data is derived from the K3Z GPO Version attribute in the GPO data set.

Group Membership Changes Details

The Group Membership Changes Details group widget provides a grid widget that displays information about users added or removed from group.

The following KPIs for the widget are derived from the attributes as described:

- Group Name: Displays the name of the group. The value format is string. This data is derived from the K3Z GMC GroupName attribute in the GMC data set.
- Operation: The operation performed to add or delete a user from the group. The value format is string. This data is derived from the K3Z GMC MemberOperation attribute in the GMC data set.
- Performed by: Displays the username who performed the operation. The value format is string. This data is derived from the K3Z GMC PerformedBy attribute in the GMC data set.
- Performed on: Displays the timestamp when the operation was performed. The value format is string. This data is derived from the K3Z GMC OperationTimestamp attribute in the GMC data set.
- User Name: Displays the domain user's name on which the operation was performed. The value format is string. This data is derived from the K3Z GMC UserName attribute in the GMC data set.

KCC Details

The Knowledge Consistency Checker group widget provides percentage of read, write, and searches for knowledge consistency checker.

The following KPIs for the widget are derived from the attributes as described:

- Reads(%): The percentage of directory reads from KCC. This data is derived from the K3Z KCC Reads attribute in the Kerberos Consistency Checker data set.
- Searches(%): The percentage of directory searches from KCC. This data is derived from the K3Z KCC Searches attribute in the Kerberos Consistency Checker data set.
- Writes(%): The percentage of directory writes from KCC. This data is derived from the K3Z KCC Writes attribute in the Kerberos Consistency Checker data set.

Last Logon Information Details

The Last Logon Information Details group widget provides a grid widget that displays information about the failed attempts of the privileged users.

The following KPIs for the widget are derived from the attributes as described:

- Last failed logon timestamp: Last failed logon time. The value format is string. This data is derived from the K3Z LLI LastFailedLogonTime attribute in the ADLLI data set.
- Last successful logon timestamp: Last success logon time. The value format is string. This data is derived from the K3Z LLI LastSuccessLogonTime attribute in the ADLLI data set.
- Member of groups: Member of groups. The value format is string. This data is derived from the K3Z LLI MemberOfGroups attribute in the ADLLI data set.
- Recent failed logon: Recent failed logons. The value format is string. This data is derived from the K3Z LLI RecentFailedLogons attribute in the ADLLI data set.
- Total failed logon: Total failed logons. The value format is string. This data is derived from the K3Z LLI TotalFailedLogons attribute in the ADLLI data set.
- Username: User name. The value format is string. This data is derived from the K3Z LLI UserName attribute in the ADLLI data set.

LDAP Details

The LDAP Details group widget provides an HTML table that contains information about the Lightweight Directory Access Protocol (LDAP), such as the time taken to complete the last LDAP bind, current number of threads that the LDAP subsystem of the local directory service is using,

and the percentage of directory searches from LDAP and Local Security Authority (LSA). Click anywhere in the group widget to see the Lightweight Directory Access Protocol page.

The following KPIs for the widget are derived from the attributes as described:

- Active threads: The current number of threads that the LDAP subsytem of the local directory service uses. This data is derived from the K3Z LDAP Active Threads attribute in the LDAP data set.
- Bind time (seconds): The time (in seconds) that is taken to complete the last LDAP bind.
- Directory searches(%): The percentage of directory searches from LDAP. This data is derived from the K3Z LDAP Searches attribute in the LDAP data set.
- Reads(%): The percentage of directory read operations by LSA. This data is derived from the K3Z LSA Reads attribute in the Local Security Authority data set.
- Searches(%): The percentage of directory search operations by LSA. This data is derived from the K3Z LSA Searches attribute in the Local Security Authority data set.
- Writes(%): The percentage of directory write operations by LSA. This data is derived from the K3Z LSA Writes attribute in the Local Security Authority data set.

NETLOGON Details

The NETLOGON Details group widget provides a grid widget that displays information about the Netlogon perfmon instance.

The following KPIs for the widget are derived from the attributes as described:

- Average Semaphore Hold Time (second): The average time (in seconds) that a semaphore is held for the last sample. This data is derived from the K3Z NTLGON Average Semaphore Hold Time attribute in the NETLOGON Attributes data set.
- Instance Name: The name of the Netlogon perfmon instance. This data is derived from the K3Z NTLGON Instance Name attribute in the NETLOGON Attributes data set.
- Semaphore Holders: The number of threads that currently hold a semaphore. This data is derived from the K3Z NTLGON Semaphore Holders attribute in the NETLOGON Attributes data set.
- Semaphore Timeout: The total number of times when the threads timed out while waiting to obtain a semaphore. This data is derived from the K3Z NTLGON Semaphore Timeout attribute in the NETLOGON Attributes data set.
- Semaphore Waiters: The number of threads that are currently waiting to obtain a semaphore. This data is derived from the K3Z NTLGON Semaphore Waiters attribute in the NETLOGON Attributes data set.

Trust Connection Details

The Trust Connection Details group widget provides a grid that displays information about the trust connection status.

The following KPIs for the widget are derived from the attributes as described:

- Domain Name: The domain name of the trusted domain. This data is derived from the K3Z Trust Domain Name attribute in the Trust data set.
- NetBIOS Name: The NetBIOS name of the trusted domain. This data is derived from the K3Z Trust NetBIOS Name attribute in the Trust data set.
- Trust Direction: The direction of the trust. Trust direction can be DISABLED, TWO WAY TRUST, INBOUND TRUST, or OUTBOUND TRUST. This data is derived from the K3Z Trust Direction attribute in the Trust data set.
- Trust Status: The status of the trust that is determined by running the netdom command line utility. Trust status can be Success, Failed, None, or NOT AVAILABLE. This data is derived from the K3Z Trust Status attribute in the Trust data set.

User and System Account Information

The User and System Account Information group widget provides an HTML table that contains information about the total number of failed logon attempts.

The following KPIs for the widget are derived from the attributes as described:

- Total Number Of Failed Logon Attempts: Displays total number of failed logon in the last 24 hours. This data is derived from the K3Z LFCAPEC Total Count attribute in the Logon Failure Count As Per Error Code data set.

User and System Account Information

The User and System Account Information dashboard provides the count of changes made such as addition, deletion and modification in user, group and computer accounts, logon failure count as per error code and enabled disabled user count.

The following widgets are available in this dashboard page:

Account Management (Last 24 Hours Data)

The User, Group, Computer Management group widget provides a stacked bar chart that displays the count of changes made such as addition, deletion and modification in user, group and computer accounts.

The following KPIs for the widget are derived from the attributes as described:

- Account Added: Count of newly added user, group and computer accounts. The value format is integer. This data is derived from the K3Z UGC AccountAddedCount attribute in the UGCM data set.
- Account Deleted: Count of deleted user, group and computer accounts. The value format is integer. This data is derived from the K3Z UGCM AccountDeletedCount attribute in the UGCM data set.
- Account Modified: Count of modified user, group and computer accounts. The value format is integer. This data is derived from the K3Z UGCM AccountModifiedCount attribute in the UGCM data set.
- Account Type: Account type name. The value format is string. This data is derived from the K3Z UGCM AccountType attribute in the UGCM data set.

Enabled Disabled Users

The Enabled Disabled User group widget provides a bar chart that displays the count of enabled and disabled users.

The following KPIs for the widget are derived from the attributes as described:

- Count: Displays total number of users which are enabled or disabled in the Active Directory. This data is derived from the K3Z ENDIS Count attribute in the Enable Disable Users data set.
- User_Status: Displays user status(enabled/disabled) in the Active Directory. This data is derived from the K3Z ENDIS User Status attribute in the Enable Disable Users data set.

Logon Failure Count As Per Error Code (Last 24 Hours Data)

The Logon Failure Count As Per Error Code group widget provides a bar chart that displays count of failed logons as per error code.

The following KPIs for the widget are derived from the attributes as described:

- Count: Displays total number of failed logon for error code in the last 24 hours. This data is derived from the K3Z LFCAPEC Count attribute in the Logon Failure Count As Per Error Code data set.
- Logon Failure Error Code: Displays logon failure reason like bad user name and password, disabled and expired account. This data is derived from the K3Z LFCAPEC Logon Failure Error Code attribute in the Logon Failure Count As Per Error Code data set.

Logon Peak Hour Usage Details

The Logon Peak Hour Usage Details group widget provides a line widget that displays information related to number of users logged in that specific hour.

The following KPIs for the widget are derived from the attributes as described:

- Count: Displays number of users logged in that specific hour. This data is derived from the K3Z LPHU LHLC attribute in the Logon Peak Hour Usage data set.
- Timestamp: The local time at the agent when the data was collected. This data is derived from the Timestamp attribute in the Logon Peak Hour Usage data set.

Additional group widgets

These pop-up group widgets are displayed after you click a group widget for more details. Some group widgets have links to more granular information in a popup widget, described here.

The following widgets are available in this dashboard page:

RFE Attribute

The RFE Details page provides information about various attribute groups.

The following KPIs for the widget are derived from the attributes as described:

Active Directory Role - Ping Time (seconds)

The Active Directory Role - Ping Time (seconds) group widget provides an HTML table that contains information about the ping time for the domain naming master, the relative ID (RID) master, the infrastructure master, the schema master, and the primary domain controller (PDC) master.

The following KPIs for the widget are derived from the attributes as described:

- Domain naming master: The ping time for domain naming master. This data is derived from the K3Z DCA Ping Domain Naming Master attribute in the Domain Controller Availability data set.
- Infrastructure master: The ping time for infrastructure master. This data is derived from the K3Z DCA Ping Infrastructure Master attribute in the Domain Controller Availability data set.
- PDC master: The ping time for PDC master. This data is derived from the K3Z DCA Ping PDC Master attribute in the Domain Controller Availability data set.
- RID master: The ping time for RID master. This data is derived from the K3Z DCA Ping RID Master attribute in the Domain Controller Availability data set.
- Schema master: The ping time for schema master. This data is derived from the K3Z DCA Ping Schema Master attribute in the Domain Controller Availability data set.

Custom views

After you select an application that includes a Active Directory managed resource, the **Custom Views** tab is available for displaying and building custom dashboard pages with attribute values from the . You can quickly build monitoring pages for an application and save them for viewing.

Only a subset of attributes, which are the most useful for reporting, are available for custom views. These attributes are shown in *italic* in Chapter 4, “Attributes,” on page 37.

Chapter 3. Thresholds

Thresholds test for certain conditions on your managed resources, such as memory usage over 95%, and raise an event when the conditions have been met. The agent comes with predefined thresholds that you can use to monitor your Active Directory environment. You can create additional thresholds for the areas of interest.

After you click **System Configuration** > **Threshold Manager**, select **Active Directory** as the data source type to see all the available thresholds.

Predefined thresholds

The thresholds are organized in the Cloud APM console **Threshold Manager** by the data set for which they were written. The has the following predefined thresholds:

DNSAD_Node_Records_Missing_Crit
The DNS server for this domain controller maintains Service Location Records (SRVs) registered by the domain controller. SRVs enable a client to find the following Active Directory resources.

The default configuration has the following SQL syntax:

```
*IF *VALUE DAI.K3Z_DAI_Node_Records_Missing *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: DAI.K3Z_DAI_Node_Records_Missing [K3ZNTDSDAI.DAINDM] (not visible in the UI).

Rep_InterSite_Repl_Prtnrs_Warn
Monitors InterSite Partner count.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_InterSite_Partner_Count *EQ 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_InterSite_Partner_Count [K3ZNTDSDRA.DRAIEPC].

Rep_SiteLinks_Warning
Monitors Site Link Count.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_SiteLink_Count *EQ 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_SiteLink_Count [K3ZNTDSDRA.DRASLC].

Rep_Site_BridgeHeads_Warning
Monitors BridgeHead Server Count

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Site_BridgeHead_Count *EQ 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Site_BridgeHead_Count [K3ZNTDSDRA.DRASBHC].

RID_Block_Size_Warn
Monitors the RID block size to ensure that the value of RID block size does not exceed 15000 in the registry.

The default configuration has the following SQL syntax:

```
*IF *VALUE RID_Pool_Information.K3Z_RID_RID_Block_Size *GT 15000
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: RID_Pool_Information.K3Z_RID_RID_Block_Size [K3ZRID.RIDBS] (not visible in the UI).

DCPerf_DB_Cache_Size_Value_Warn
Monitors Cache Size.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_KB_Cache_Size *LT 2
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Domain_Controller_Performance.K3Z_DCP_KB_Cache_Size [K3ZNTDSDCP.DCPCASZ].

Trust_Failing_Critical
Attempts to verify the domain trust have failed. The trust is not functional.

The default configuration has the following SQL syntax:

```
*IF *VALUE Trust.K3Z_Trust_Status *EQ 'Failed'
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for each distinct value of the K3Z_Trust_Domain_Name attribute.

This threshold uses the following attributes: Trust.K3Z_Trust_Status [K3ZNTDSTRS.TRSSTAT], Trust.K3Z_Trust_Domain_Name [K3ZNTDSTRS.TRSDOMNAM].

LDAP_Bind_Time_Warning
The LDAP bind time has exceeded the warning threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE LDAP.K3Z_LDAP_Bind_Time *LE 15 *AND *VALUE
LDAP.K3Z_LDAP_Bind_Time *GE 5
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: LDAP.K3Z_LDAP_Bind_Time [K3ZNTDSLDP.LDAPBNDTM].

LDAP_Bind_Time_Critical
The LDAP bind time has exceeded the critical threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE LDAP.K3Z_LDAP_Bind_Time *GT 15
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: LDAP.K3Z_LDAP_Bind_Time [K3ZNTDSLDP.LDAPBNDTM].

SYSRPL_Failure_Critical
The number of SYSVOL replication failures has exceeded the critical threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Replication.K3Z_DCR_Sysvol_Status *EQ Failure
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: Domain_Controller_Replication.K3Z_DCR_Sysvol_Status [K3ZDCREPL.DCRRS].

DCA_Time_Drift_Critical
The time difference between the domain controller and good time server has exceeded the critical threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630 *LT
-300 *OR *VALUE Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630
*GT 300 *OR *VALUE
Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630 *EQ Time_Error
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630 [K3ZNTDSDCA.DCATDMS].

DCA_Time_Drift_Warning
The time difference between the domain controller and good time server has exceeded the warning threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630 *GE
-300 *AND *VALUE Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630
*LE 300 *AND *VALUE
Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630 *NE 0
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Availability.K3Z_DCA_Time_Difference_v630 [K3ZNTDSDCA.DCATDMS].

DCP_Cache_Percent_Miss_Critical
The percentage of cache misses has exceeded the critical threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_Cache_Pct_Miss *GT 90
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_Cache_Pct_Miss [K3ZNTDSDCP.DCPCAHPM] (not visible in the UI).

DCP_Cache_Percent_Miss_Warning
The percentage of cache misses has exceeded the warning threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_Cache_Pct_Miss *GE 80 *AND
*VALUE Domain_Controller_Performance.K3Z_DCP_Cache_Pct_Miss *LE 90
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_Cache_Pct_Miss [K3ZNTDSDCP.DCPCAHPM] (not visible in the UI).

DCA_Domain_Naming_Master_Crit
Monitors the domain naming master role that is assigned to a DC.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_FSMO_Role *EQ
'Domain_Naming' *AND *VALUE
Domain_Controller_Availability.K3Z_DCA_Global_Catalog_Server *EQ TRUE
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: Domain_Controller_Availability.K3Z_DCA_FSMO_Role [K3ZNTDSDCA.DCAFSMO] (not visible in the UI),
Domain_Controller_Availability.K3Z_DCA_Global_Catalog_Server [K3ZNTDSDCA.DCAGCS] (not visible in the UI).

DCPerf_Cache_Page_Stalls_Warn
Monitors cache page stalls.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_Cache_Page_Fault_Stalls_Sec
*GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_Cache_Page_Fault_Stalls_Sec [K3ZNTDSDCP.DCPCAPFS].

DCPerf_DB_Cache_Size_Warning
Monitors DB performance counters significant for cache size.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_File_Operations_Sec *GT 100
*OR *VALUE Domain_Controller_Performance.K3Z_DCP_Cache_Page_Faults_Sec *GT
30 *OR *VALUE Domain_Controller_Performance.K3Z_DCP_Cache_Pct_Hit *LT 20 *OR
*VALUE Domain_Controller_Performance.K3Z_DCP_File_Bytes_Written_Sec *GT 30
*OR *VALUE Domain_Controller_Performance.K3Z_DCP_File_Bytes_Read_Sec *GT 30
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_File_Operations_Sec [K3ZNTDSDCP.DCPOP] (not visible in the UI), Domain_Controller_Performance.K3Z_DCP_Cache_Page_Faults_Sec [K3ZNTDSDCP.DCPCAPF], Domain_Controller_Performance.K3Z_DCP_Cache_Pct_Hit [K3ZNTDSDCP.DCPCAHP], Domain_Controller_Performance.K3Z_DCP_File_Bytes_Written_Sec [K3ZNTDSDCP.DCPBYW] (not visible in the UI), Domain_Controller_Performance.K3Z_DCP_File_Bytes_Read_Sec [K3ZNTDSDCP.DCPBYR] (not visible in the UI).

DCPerf_DB_Tab_Cache_Size_Warn
Monitor if ESE database table cache size is too small.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_Table_Open_Cache_Hits_Sec
*LT 1000 *AND *VALUE
Domain_Controller_Performance.K3Z_DCP_Table_Open_Cache_Misses_Sec *GT 300
*AND *VALUE Domain_Controller_Performance.K3Z_DCP_Table_Open_Cache_Pct_Hit
*LT 20
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_Table_Open_Cache_Hits_Sec [K3ZNTDSDCP.DCPTCAH] (not visible in the UI), Domain_Controller_Performance.K3Z_DCP_Table_Open_Cache_Misses_Sec [K3ZNTDSDCP.DCPTCAM] (not visible in the UI), Domain_Controller_Performance.K3Z_DCP_Table_Open_Cache_Pct_Hit [K3ZNTDSDCP.DCPTCAHP] (not visible in the UI).

DCPerf_Log_Record_Stalls_Warn
Monitors log record stalls rate.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_Log_Record_Stalls_Sec *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_Log_Record_Stalls_Sec [K3ZNTDSDCP.DCPLRS] (not visible in the UI).

DCPerf_NTDS_Conn_High_Warning
Monitors the number of NTDS connection objects.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_DSA_Connections *GT 20
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_DSA_Connections [K3ZNTDSDCP.DCPDSACON] (not visible in the UI).

DCPerf_Log_Thread_Wait_Warning
Monitors the threads waiting for data to be written to the log.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Performance.K3Z_DCP_Log_Threads_Waiting *GT 300
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Performance.K3Z_DCP_Log_Threads_Waiting [K3ZNTDSDCP.DCPLTW] (not visible in the UI).

DC_Dom_Naming_Master_Ping_Crit
The domain controller that holds the domain-naming master role cannot be reached.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_Ping_Domain_Naming_Master
*LT 0 *AND *VALUE
Domain_Controller_Availability.K3Z_DCA_Ping_Domain_Naming_Master *NE
Ping_Disabled
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Availability.K3Z_DCA_Ping_Domain_Naming_Master [K3ZNTDSDCA.DCADNP].

DC_GC_List_Critical
Monitors the connections to the global catalog servers.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_GCs_Pinged *EQ 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: Domain_Controller_Availability.K3Z_DCA_GCs_Pinged [K3ZNTDSDCA.DCAGCP] (not visible in the UI).

DC_Infra_Master_Ping_Crit
The domain controller holding the infrastructure master role cannot be reached.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_Ping_Infrastructure_Master
*LT 0 *AND *VALUE
Domain_Controller_Availability.K3Z_DCA_Ping_Infrastructure_Master *NE
Ping_Disabled
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Availability.K3Z_DCA_Ping_Infrastructure_Master [K3ZNTDSDCA.DCAINFP].

DC_PDC_Master_Ping_Critical
The domain controller holding the PDC master role cannot be reached.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_Ping_PDC_Master *LT 0 *AND
*VALUE Domain_Controller_Availability.K3Z_DCA_Ping_PDC_Master *NE
Ping_Disabled
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Availability.K3Z_DCA_Ping_PDC_Master [K3ZNTDSDCA.DCAPDCP].

DC_Response_Time_Crit
Indicates that the time taken to bind to the monitored domain controller has exceeded the critical threshold of 4000 milliseconds.

The default configuration has the following SQL syntax:

```
*IF *VALUE Root_Directory_Server.K3Z_RDS_Domain_Controller_Response_Time *EQ
Undefined *OR *VALUE
Root_Directory_Server.K3Z_RDS_Domain_Controller_Response_Time *GE 4000
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Root_Directory_Server.K3Z_RDS_Domain_Controller_Response_Time [K3ZNTDSRDS.RDSDCRT] (not visible in the UI).

DC_RID_Ping_Critical
The domain controller holding the Relative ID (RID) master role in the domain cannot be reached. The RID operations master role holder must be available when a server needs to be supplied RIDs.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_Ping_RID_Master *LT 0 *AND
*VALUE Domain_Controller_Availability.K3Z_DCA_Ping_RID_Master *NE
Ping_Disabled
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Availability.K3Z_DCA_Ping_RID_Master [K3ZNTDSDCA.DCARIDP].

DC_Schema_Master_Ping_Critical
The domain controller holding the schema master role in the forest cannot be reached. The domain controller that holds the schema master role is the only domain controller that can perform write operations to the directory schema. Those schema updates are replicated from the schema master to all other domain controllers in the forest.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_Ping_Schema_Master *LT 0
*AND *VALUE Domain_Controller_Availability.K3Z_DCA_Ping_Schema_Master *NE
Ping_Disabled
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Availability.K3Z_DCA_Ping_Schema_Master [K3ZNTDSDCA.DCASCHP].

DC_Site_GCs_Available_Warning
No global catalog servers are available.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Availability.K3Z_DCA_GCs_In_Site_Pinged *EQ 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Availability.K3Z_DCA_GCs_In_Site_Pinged [K3ZNTDSDCA.DCASGCP] (not visible in the UI).

DFSR_File_Installs_Retried_High
Monitors DFS Replication file installs.

The default configuration has the following SQL syntax:

```
*IF *VALUE DFS.K3Z_DFSR_Folders_File_Installs_Retried *GT 0
```

This threshold is evaluated every 10 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DFS.K3Z_DFSR_Folders_File_Installs_Retried [K3ZNTDSDFS.DFSRFFIR].

DFSR_Staging_Space_Low
Monitors DFS Replication staging space.

The default configuration has the following SQL syntax:

```
*IF *VALUE DFS.K3Z_DFSR_Folders_Staging_Space_In_Use *GT 4000000 *AND *VALUE
DFS.K3Z_DFSR_Folders_Staging_Files_Cleaned_up *GT 0
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DFS.K3Z_DFSR_Folders_Staging_Space_In_Use [K3ZNTDSDFS.DFSRFSSU], DFS.K3Z_DFSR_Folders_Staging_Files_Cleaned_up [K3ZNTDSDFS.DFSRFSFC].

DFSR_USN_Record_Accepted_High
Monitors DFS Replication USN Records Accepted.

The default configuration has the following SQL syntax:

```
*IF *VALUE DFS.K3Z_DFSR_Volumes_USN_Journal_Records_Accepted *GT 5
```

This threshold is evaluated every 10 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DFS.K3Z_DFSR_Volumes_USN_Journal_Records_Accepted [K3ZNTDSDFS.DFSRURC].

DHCP_Active_Queue_Warning
Monitors active queue length.

The default configuration has the following SQL syntax:

```
*IF *VALUE DHCP.K3Z_DHCP_Active_Queue_Length *GT 100
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DHCP.K3Z_DHCP_Active_Queue_Length [K3ZNTDSDHC.DHCPAQL] (not visible in the UI).

DHCP_Conflict_Queue_Warning
Monitors DHCP Conflict Queue length.

The default configuration has the following SQL syntax:

```
*IF *VALUE DHCP.K3Z_DHCP_Conflict_Check_Queue_Length *GT 100
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DHCP.K3Z_DHCP_Conflict_Check_Queue_Length [K3ZNTDSDHC.DHCPCQL] (not visible in the UI).

DHCP_Counters_Sudden_Inc_Warn
Monitors the rate of DHCP acknowledgements and requests.

The default configuration has the following SQL syntax:

```
*IF *VALUE DHCP.K3Z_DHCP_Requests_sec_percent_increase *GT 25 *OR *VALUE
DHCP.K3Z_DHCP_Acks_sec_percent_increase *GT 25
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DHCP.K3Z_DHCP_Requests_sec_percent_increase [K3ZNTDSDHC.DHCPRIP] (not visible in the UI), DHCP.K3Z_DHCP_Acks_sec_percent_increase [K3ZNTDSDHC.DHCPAIP] (not visible in the UI).

DHCP_Decline_Rate_Warning
Monitors DHCP declines rate.

The default configuration has the following SQL syntax:

```
*IF *VALUE DHCP.K3Z_DHCP_Declines_Sec *GT 100
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DHCP.K3Z_DHCP_Declines_Sec [K3ZNTDSDHC.DHCPDR] (not visible in the UI).

DHCP_Dup_Drops_Rate_Warning
Monitors the rate at which the DHCP server receives dup packets.

The default configuration has the following SQL syntax:

```
*IF *VALUE DHCP.K3Z_DHCP_Duplicates_Dropped_Sec *GT 100
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DHCP.K3Z_DHCP_Duplicates_Dropped_Sec [K3ZNTDSDHC.DHCPDDR] (not visible in the UI).

DHCP_Nacks_Rate_Warning
Monitors the DHCP server negative acknowledgement send rate.

The default configuration has the following SQL syntax:

```
*IF *VALUE DHCP.K3Z_DHCP_Nacks_Sec *GT 100
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DHCP.K3Z_DHCP_Nacks_Sec [K3ZNTDSDHC.DHCPNR] (not visible in the UI).

DHCP_Packs_Expired_Rate_Warning
Monitors the number of packets expired per second.

The default configuration has the following SQL syntax:

```
*IF *VALUE DHCP.K3Z_DHCP_Packets_Expired_Sec *GT 100
```

This threshold is evaluated every 2 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DHCP.K3Z_DHCP_Packets_Expired_Sec [K3ZNTDSDHC.DHCPPER] (not visible in the UI).

DNS_Response_Time_Critical
Monitors DNS response time.

The default configuration has the following SQL syntax:

```
*IF *VALUE DNS.K3Z_DNS_Response_Time *GT 3
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: DNS.K3Z_DNS_Response_Time [K3ZNTDSDNS.DNSRSPT] (not visible in the UI).

DNS_Total_Dyn_Update_Warning
Monitors the percentage of total dynamic updates failures.

The default configuration has the following SQL syntax:

```
*IF *VALUE DNS.K3Z_DNS_Dynamic_Update_Failures_Pct *GT 30
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: DNS.K3Z_DNS_Dynamic_Update_Failures_Pct [K3ZNTDSDNS.DNSDUFP] (not visible in the UI).

DNS_Zone_Trans_Perc_Fails_Crit
Monitors the percentage of zone transfer failures.

The default configuration has the following SQL syntax:

```
*IF *VALUE DNS.K3Z_DNS_Transfer_Failures_Percent *GT 30
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: DNS.K3Z_DNS_Transfer_Failures_Percent [K3ZNTDSDNS.DNSTFFP] (not visible in the UI).

DRA_Comp_Inbound_Bytes_Warning
Monitors compressed inbound bytes.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Bytes_Compressed_Per_Sec_Before *GT
100
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Inbound_Bytes_Compressed_Per_Sec_Before [K3ZNTDSDRA.DRAIBCMPB].

DRA_Comp_Outbound_Bytes_Warning
Monitors compressed outbound bytes.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Outbound_Bytes_Compressed_Per_Sec_Before *GT
100
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Outbound_Bytes_Compressed_Per_Sec_Before [K3ZNTDSDRA.DRAOBCMPB].

DRA_Highest_USN_Critical
Monitors High-order 32 bits of the highest USN Issued on DSA.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_High_USN_Commited_High *GT 99999
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_High_USN_Commited_High [K3ZNTDSDRA.DRAUSNCMTH].

DRA_Inbound_Bytes_Total_Warning
Monitors no of inbound bytes/sec.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Bytes_Total_Per_Sec *GT 35000
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Inbound_Bytes_Total_Per_Sec [K3ZNTDSDRA.DRAIBTL].

DRA_Inbound_ObjUp_Warning
Monitors AD Inbound Object Updates

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Objects_Update_Remain_Packet *GT 15
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Inbound_Objects_Update_Remain_Packet [K3ZNTDSDRA.DRAIBUPD].

DRA_Inbound_Obj_Appl_Pct_Warn
Monitors percent of inbound replication objects applied by LSA.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Objects_Percent_Applied *LT 70 *AND
*VALUE Replication.K3Z_DRA_Inbound_Objects_Per_Sec *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Inbound_Objects_Percent_Applied [K3ZNTDSDRA.DRAIBOAPP], Replication.K3Z_DRA_Inbound_Objects_Per_Sec [K3ZNTDSDRA.DRAIBO].

DRA_Inbound_Obj_Filt_Pct_Warn
Monitors the percent of inbound replication objects without updates.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Objects_Percent_Filtered *GT 50 *AND
*VALUE Replication.K3Z_DRA_Inbound_Objects_Per_Sec *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Replication.K3Z_DRA_Inbound_Objects_Percent_Filtered [K3ZNTDSDRA.DRAIBOFLTP],
Replication.K3Z_DRA_Inbound_Objects_Per_Sec [K3ZNTDSDRA.DRAIBO].

DRA_Inbound_Prop_Appl_Pct_Warn
Monitors the percent of inbound properties received and applied.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Properties_Percent_Applied *LT 70
*AND *VALUE Replication.K3Z_DRA_Inbound_Properties_Total_Per_Sec *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Replication.K3Z_DRA_Inbound_Properties_Percent_Applied [K3ZNTDSDRA.DRAIBPAPPP],
Replication.K3Z_DRA_Inbound_Properties_Total_Per_Sec [K3ZNTDSDRA.DRAIBPTL].

DRA_Inbound_Prop_Filt_Pct_Warn
Monitors the percent of inbound properties without updates.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Properties_Percent_Filtered *GT 50
*AND *VALUE Replication.K3Z_DRA_Inbound_Properties_Total_Per_Sec *GT 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Replication.K3Z_DRA_Inbound_Properties_Percent_Filtered [K3ZNTDSDRA.DRAIBPFLTP],
Replication.K3Z_DRA_Inbound_Properties_Total_Per_Sec [K3ZNTDSDRA.DRAIBPTL].

DRA_Intersite_Percent_High_Warn
The number of intersite inbound bytes compared to intrasite inbound bytes is large. This could indicate clients are using too many intersite resources due to a poor active directory configuration.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Bytes_Intersite_Percent *GT 70
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Inbound_Bytes_Intersite_Percent [K3ZNTDSDRA.DRAIBBIEP].

DRA_NTP_Connection_Blocked_Warn
Net Time cannot properly synchronize with the designated network time protocol server.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_NetTime_Status *NE 0
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_NetTime_Status [K3ZNTDSDRA.DRANTSTAT].

DRA_Outbound_Bytes_Total_Warn
Monitors no. of outbound bytes/sec

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Outbound_Bytes_Total_Per_Sec *GT 35000
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Outbound_Bytes_Total_Per_Sec [K3ZNTDSDRA.DRAOBTL].

DRA_Pending_Rep_Sync_Warning
Monitors AD Pending Replications Performance Counter

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Pending_Replication_Synchronizations *GT 80
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Pending_Replication_Synchronizations [K3ZNTDSDRA.DRAPRPLSYN].

DRA_Uncomp_Inbound_Bytes_Warn
Monitors not compressed inbound bytes rate.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Inbound_Bytes_Not_Compressed_Per_Sec *GT 100
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Inbound_Bytes_Not_Compressed_Per_Sec [K3ZNTDSDRA.DRAIBNCMP].

DRA_Uncomp_Outbound_Bytes_Warn
Monitors not compressed outbound bytes rate.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication.K3Z_DRA_Outbound_Bytes_Not_Compressed_Per_Sec_Before
*GT 100
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Replication.K3Z_DRA_Outbound_Bytes_Not_Compressed_Per_Sec_Before [K3ZNTDSDRA.DRAOBNCMPB].

DS_Cache_Hit_rate_Critical
Monitors % of directory object name

The default configuration has the following SQL syntax:

```
*IF *VALUE Directory_Services.K3Z_DS_Name_Cache_Hit_Rate *LT 80
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: Directory_Services.K3Z_DS_Name_Cache_Hit_Rate [K3ZNTDSDS.DSNMCHR].

KDC_AS_Requests

Monitors number of AS requests serviced by KDC per second.

The default configuration has the following SQL syntax:

```
*IF *VALUE Kerberos_Key_Distribution_Centre.K3Z_KDC_AS_Request *GT 99999
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Kerberos_Key_Distribution_Centre.K3Z_KDC_AS_Request [K3ZNTDSKDC.KDCASREQ].

KDC_TGS_Requests

Monitors the number of TGS requests serviced by KDC per second.

The default configuration has the following SQL syntax:

```
*IF *VALUE Kerberos_Key_Distribution_Centre.K3Z_KDC_TGS_Requests *GT 99999
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Kerberos_Key_Distribution_Centre.K3Z_KDC_TGS_Requests [K3ZNTDSKDC.KDCTGSREQ].

Kerberos_Authentications

no of times/sec, clients use a ticket to authenticate

The default configuration has the following SQL syntax:

```
*IF *VALUE Kerberos_Key_Distribution_Centre.K3Z_KDC_Authentications *GT
99999
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Kerberos_Key_Distribution_Centre.K3Z_KDC_Authentications [K3ZNTDSKDC.KDCAUTH].

LDAP_Attributes_Recycle_Bin_War

Monitors recycle bin status.

The default configuration has the following SQL syntax:

```
*IF *VALUE LDAP_Attributes.K3Z_LDAP_Attributes_Recycle_Bin_Status *EQ
Disabled
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
LDAP_Attributes.K3Z_LDAP_Attributes_Recycle_Bin_Status [K3ZNTDSLDA.LDAPARCBS].

NTLM_Authentications
Monitors the number of NTLM authentications per second that are serviced by a domain controller.

The default configuration has the following SQL syntax:

```
*IF *VALUE Name_Service_Provider.K3Z_NTLM_Authentications *GT 1000
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: Name_Service_Provider.K3Z_NTLM_Authentications [K3ZNTDSNSP.NTLMAUTH].

Replication_Latent_Warning
Replication between the server and one of its replication partners takes longer than expected.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication_Partner_Latency.K3Z_RLT_Replication_Latency *GT 3600
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for each distinct value of the K3Z_RLT_Partner_Name attribute.

This threshold uses the following attributes:
Replication_Partner_Latency.K3Z_RLT_Replication_Latency [K3ZNTDSRLT.RLTLAT], Replication_Partner_Latency.K3Z_RLT_Partner_Name [K3ZNTDSRLT.RLTPART].

Replication_Partner_Unsync_Warn
There is a difference between the system clock on the local Domain Controller and a replication partner.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication_Partner_Latency.K3Z_RLT_Clock_Delta *GT 1 *OR *VALUE
Replication_Partner_Latency.K3Z_RLT_Clock_Delta *LT -1
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for each distinct value of the K3Z_RLT_Partner_Name attribute.

This threshold uses the following attributes: Replication_Partner_Latency.K3Z_RLT_Clock_Delta [K3ZNTDSRLT.RLTCLD], Replication_Partner_Latency.K3Z_RLT_Partner_Name [K3ZNTDSRLT.RLTPART].

Repl_Part_Clock_Change_Warning
Monitors the clock of replication partners against the local system clock.

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication_Partner_Latency.K3Z_RLT_Clock_Change_Delta *GT 5 *OR
*VALUE Replication_Partner_Latency.K3Z_RLT_Clock_Change_Delta *LT -5
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for each distinct value of the K3Z_RLT_Partner_Name attribute.

This threshold uses the following attributes:
Replication_Partner_Latency.K3Z_RLT_Clock_Change_Delta [K3ZNTDSRLT.RLTCCD] (not visible in the UI), Replication_Partner_Latency.K3Z_RLT_Partner_Name [K3ZNTDSRLT.RLTPART].

Repl_Part_Inter_Site_Stat_Crit
Monitors InterSite Replication

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication_Partner.K3Z_RPL_Partner_Last_Success_Time *NE
Replication_Partner.K3Z_RPL_Partner_Last_Attempt_Time *AND *VALUE
Replication_Partner.K3Z_RPL_Replication_Type *EQ 'InterSite'
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Replication_Partner.K3Z_RPL_Partner_Last_Success_Time [K3ZNTDSRPL.RPLPSTM] (not visible in the UI), Replication_Partner.K3Z_RPL_Partner_Last_Attempt_Time [K3ZNTDSRPL.RPLPATM] (not visible in the UI), Replication_Partner.K3Z_RPL_Replication_Type [K3ZNTDSRPL.RPLTYPE] (not visible in the UI).

Repl_Part_Intra_Site_Stat_Crit
Monitors IntraSite Replication

The default configuration has the following SQL syntax:

```
*IF *VALUE Replication_Partner.K3Z_RPL_Partner_Last_Attempt_Time *NE
Replication_Partner.K3Z_RPL_Partner_Last_Success_Time *AND *VALUE
Replication_Partner.K3Z_RPL_Replication_Type *EQ 'IntraSite'
```

This threshold is evaluated every 5 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Replication_Partner.K3Z_RPL_Partner_Last_Attempt_Time [K3ZNTDSRPL.RPLPATM] (not visible in the UI), Replication_Partner.K3Z_RPL_Partner_Last_Success_Time [K3ZNTDSRPL.RPLPSTM] (not visible in the UI), Replication_Partner.K3Z_RPL_Replication_Type [K3ZNTDSRPL.RPLTYPE] (not visible in the UI).

RID_Consumption_Crit
The consumption of RIDs in the global RID pool has reached the critical threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE RID_Pool_Information.K3Z_RID_RID_Pool_Allocation_Status *EQ
Disabled *OR *VALUE RID_Pool_Information.K3Z_Exhausted_RID_Percentage *GE
90.00
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
RID_Pool_Information.K3Z_RID_RID_Pool_Allocation_Status [K3ZRID.RIDPAS] (not visible in the UI), RID_Pool_Information.K3Z_Exhausted_RID_Percentage [K3ZRID.RIDEPER] (not visible in the UI).

RID_Consumption_Warn
Indicates that the consumption of RIDs in the global RID pool has exceeded the warning threshold of 70%.

The default configuration has the following SQL syntax:

```
*IF *VALUE RID_Pool_Information.K3Z_Exhausted_RID_Percentage *LT 90.00 *AND
*VALUE RID_Pool_Information.K3Z_Exhausted_RID_Percentage *GE 70.00
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes: RID_Pool_Information.K3Z_Exhausted_RID_Percentage [K3ZRID.RIDEPER] (not visible in the UI).

GPO_Version_Inconsistent_crit
Monitors if GPO version and GPO sysvol version is consistent.

The default configuration has the following SQL syntax:

```
*IF *VALUE GPO.K3Z_GPO_version_consistentcy *EQ Inconsistent
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for each distinct value of the K3Z_GPO_Name attribute.

This threshold uses the following attributes: GPO.K3Z_GPO_version_consistentcy [K3ZNTDSGPO.GPOCOST], GPO.K3Z_GPO_Name [K3ZNTDSGPO.GPONAM].

LDAP_Client_sessions_critical
Monitors if GPO version and GPO sysvol version is consistent.

The default configuration has the following SQL syntax:

```
*IF *VALUE LDAP.K3Z_LDAP_Client_Sessions *GE 1000
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: LDAP.K3Z_LDAP_Client_Sessions [K3ZNTDSLDP.LDAPCLNT].

ADFS_token_request_critical
Monitors the no of token request on ADFS server

The default configuration has the following SQL syntax:

```
*IF *VALUE ADFSALL.K3Z_FX_Token_Requests/Sec *GE 60
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: ADFSALL.K3Z_FX_Token_Requests/Sec [K3ZADFSPXD.FEXTRS].

ADFS_Rejected_request_critical
Monitors the no of rejected request on ADFS Proxy server

The default configuration has the following SQL syntax:

```
*IF *VALUE ADFSALL.K3Z_FX_Rejected_Requests/sec *GT 0
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: ADFSALL.K3Z_FX_Rejected_Requests/sec [K3ZADFSPXD.FEXRRS].

Replication_Failure_Count_Crit
The number of replication failures has exceeded the critical threshold.

The default configuration has the following SQL syntax:

```
*IF *VALUE Domain_Controller_Replication.K3Z_DCR_Replication_Failures *GE 1
```

This threshold is evaluated every 15 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Domain_Controller_Replication.K3Z_DCR_Replication_Failures [K3ZDCREPL.DCRFAIL].

AD_Server_Status
Monitors Active Directory Server Status.

The default configuration has the following SQL syntax:

```
*IF *VALUE AD_Services_Status.Service_Name *EQ AD_Overall_Server_Status *AND
*VALUE AD_Services_Status.Service_State *EQ DOWN
```

This threshold is evaluated every 30 minutes.

The severity of this threshold is Critical.

The threshold is evaluated for the table.

This threshold uses the following attributes: AD_Services_Status.Service_Name [K3ZSRVSTAT.SRVCNAME], AD_Services_Status.Service_State [K3ZSRVSTAT.SRVCSTATE].

KCC_Intersite_Topology_Generato
Monitors status of the intersite topology generator.

The default configuration has the following SQL syntax:

```
*IF *VALUE
Kerberos_Consistency_Checker.K3Z_KCC_Inter_Site_Topology_Generator *EQ
Disabled
```

This threshold is evaluated every 10 minutes.

The severity of this threshold is Warning.

The threshold is evaluated for the table.

This threshold uses the following attributes:
Kerberos_Consistency_Checker.K3Z_KCC_Inter_Site_Topology_Generator [K3ZNTDSKCC.KCCITG].

Customized thresholds

You can use the predefined thresholds as a starting point for event monitoring, and create your own thresholds as conditions arise that you want to monitor.

The has many data sets that you can use to create thresholds to monitor for specific conditions. For descriptions of the data sets, see Chapter 4, “Attributes,” on page 37.

Tip: The hover help for the **Threshold Editor Data set** field has a *Learn more* link to the attribute descriptions for the selected data set.

Chapter 4. Attributes

Attributes are the application properties that are being measured and reported by the Active Directory. Attributes make up the key performance indicators (KPIs) that are reported, and you can use them to create thresholds for conditions that you want to monitor.

About attributes

Attributes are organized into *data sets* (also referred to as *attribute groups*). The values can be selectively displayed in dashboard pages or used to define a threshold.

The most recent data sample of the attributes in the data set are used after you open a dashboard page or start a threshold.

Dashboard pages

Only a subset of attributes is displayed in the dashboard pages. Queries to the dashboard data provider specify which attribute values to request from the managed resource. These attributes are shown in *italic* in this chapter. You can use these attributes to create the charts and tables in custom dashboard pages.

Thresholds

You can define thresholds that monitor the state of your operating system, database, or application and open an event when the threshold is exceeded. You use attributes to define thresholds that describe a condition that you want to test. After the threshold is started, the attribute values that are specified in the threshold are compared with the values collected by the . After the condition is met, an event is registered and you are alerted by indicators in the Application Performance Dashboard navigator, **All My Applications** summary boxes, and the **Events** tab.

The comes with *predefined thresholds* that are enabled and started with the agent. If you edit a predefined threshold, such as to change the condition or severity, it is no longer treated as a predefined threshold but considered a *custom threshold*.

All attributes, unless otherwise noted, can be used to create custom thresholds. The **Events** tab has a table of open events with information, including threshold name, severity, source, and display item. You can expand an event row to see the formula and drill down to the dashboard page for the managed resource.

Some attributes names display differently in the Threshold Editor, as shown in parentheses after the name, such as "Object Count (OBJECT_COUNT)".

Historical data configurations

The collects historical data for key data sets that are shown in the dashboard pages. A page that includes historical views from the managed resource instance has a time selector tool for adjusting the time range. With line charts, you can also compare the values with a previous day, up to the number of days that have been saved.

Additional information about attributes

Note the following conditions:

- When no data can be collected for a data set, an empty result is returned (no rows of data)
- When a specific attribute cannot be collected, the value 0 or "" is returned unless otherwise specified in a particular attribute (for example, "N/A")
- Any numeric attribute value that is greater than the largest (positive or negative) number that can be represented by that type returns the corresponding maximum or minimum value (for example, the maximum value for a 32-bit number is 2,147,483,647). These values are displayed as text values that are defined by the data set, such as "Value Exceeds Maximum" or "Value Exceeds Minimum".

Numeric attributes have characteristics that are indicated in parentheses after the data type, such as "(32-bit numeric property)". A numeric attribute value can be 32-bit or 64-bit or some other size. The

value type can be gauge, which means it varies, like a speedometer; counter, which counts and always increases; or numeric property, such as disk size.

For a list of the data sets, a list of the attributes in each data set, and descriptions of the attributes in the , see “Data sets for the monitoring agent” on page 38 and “Attribute descriptions” on page 42.

Data sets for the monitoring agent

The contains the following data sets.

- Data set name: Active Directory Database Information
  - Table name: K3ZADDB
  - Historical table name: K3Z_ACTIVE_DIRECTORY_DATABASE_INFORMATION or K3ZADDB
- Data set name: AD Services Status
  - Table name: K3ZSRVSTAT
  - Historical table name: K3Z_AD_SERVICES_STATUS or K3ZSRVSTAT
- Data set name: Address Book
  - Table name: K3ZNTDSAB
  - Historical table name: K3Z_ADDRESS_BOOK or K3ZNTDSAB
- Data set name: ADFS
  - Table name: K3ZADFSPSR
  - Historical table name: K3Z_ADFS or K3ZADFSPSR
- Data set name: ADFS Proxy
  - Table name: K3ZADFSPSD
  - Historical table name: K3Z_ADFS_PROXY or K3ZADFSPSD
- Data set name: ADFSALL
  - Table name: K3ZADFSPXD
  - Historical table name: K3Z_ADFSALL or K3ZADFSPXD
- Data set name: ADLLI
  - Table name: K3ZADLLI
  - Historical table name: K3Z_ADLLI
- Data set name: Asynchronous Thread Queue
  - Table name: K3ZNTDSATQ
  - Historical table name: K3Z_ASYNCHRONOUS_THREAD_QUEUE or K3ZNTDSATQ
- Data set name: Conflict Objects
  - Table name: K3ZCNFOBJ
  - Historical table name: K3Z_CONFLICT_OBJECTS or K3ZCNFOBJ
- Data set name: Containers
  - Table name: K3ZNTDSCNT
  - Historical table name: K3Z_CONTAINERS or K3ZNTDSCNT
- Data set name: DAD
  - Table name: K3ZNTDSDAD
  - Historical table name: K3Z_DAD or K3ZNTDSDAD
- Data set name: DAI
  - Table name: K3ZNTDSDAI

  - Historical table name: K3Z_DAI or K3ZNTDSDAI
- Data set name: DFRC
  - Table name: K3ZNTDSDRC
  - Historical table name: K3Z_DFRC or K3ZNTDSDRC
- Data set name: DFRF
  - Table name: K3ZNTDSDRF
  - Historical table name: K3Z_DFRF or K3ZNTDSDRF
- Data set name: DFS
  - Table name: K3ZNTDSDFS
  - Historical table name: K3Z_DFS or K3ZNTDSDFS
- Data set name: DFSV
  - Table name: K3ZNTDSDSV
  - Historical table name: K3Z_DFSV or K3ZNTDSDSV
- Data set name: DHCP
  - Table name: K3ZNTDSDHC
  - Historical table name: K3Z_DHCP or K3ZNTDSDHC
- Data set name: Direct Access Server
  - Table name: K3ZDAS
  - Historical table name: K3Z_DIRECT_ACCESS_SERVER or K3ZDAS
- Data set name: Directory Services
  - Table name: K3ZNTDSDS
  - Historical table name: K3Z_DIRECTORY_SERVICES or K3ZNTDSDS
- Data set name: DNS
  - Table name: K3ZNTDSDNS
  - Historical table name: K3Z_DNS or K3ZNTDSDNS
- Data set name: Domain Controller Availability
  - Table name: K3ZNTDSDCA
  - Historical table name: K3Z_DOMAIN_CONTROLLER_AVAILABILITY or K3ZNTDSDCA
- Data set name: Domain Controller Performance
  - Table name: K3ZNTDSDCP
  - Historical table name: K3Z_DOMAIN_CONTROLLER_PERFORMANCE or K3ZNTDSDCP
- Data set name: Domain Controller Replication
  - Table name: K3ZDCREPL
  - Historical table name: K3Z_DOMAIN_CONTROLLER_REPLICATION or K3ZDCREPL
- Data set name: Enable Disable Users
  - Table name: K3ZENDIS
  - Historical table name: K3Z_ENABLE_DISABLE_USERS or K3ZENDIS
- Data set name: Event Log
  - Table name: K3ZEVTLOG
  - Historical table name: K3Z_EVENT_LOG or K3ZEVTLOG
- Data set name: Exchange Directory Services
  - Table name: K3ZNTDSXDS

  - Historical table name: K3Z_EXCHANGE_DIRECTORY_SERVICES or K3ZNTDSXDS
- Data set name: Expiring Certificates
  - Table name: K3ZEXPCERT
  - Historical table name: K3Z_EXPIRING_CERTIFICATES or K3ZEXPCERT
- Data set name: File Replication Service
  - Table name: K3ZNTDSFRS
  - Historical table name: K3Z_FILE_REPLICATION_SERVICE or K3ZNTDSFRS
- Data set name: Forest Topology
  - Table name: K3ZNTDSFRT
  - Historical table name: K3Z_FOREST_TOPOLOGY or K3ZNTDSFRT
- Data set name: GMC
  - Table name: K3ZGMC
  - Historical table name: K3Z_GMC
- Data set name: GPO
  - Table name: K3ZNTDSGPO
  - Historical table name: K3Z_GPO or K3ZNTDSGPO
- Data set name: Kerberos Consistency Checker
  - Table name: K3ZNTDSKCC
  - Historical table name: K3Z_KERBEROS_CONSISTENCY_CHECKER or K3ZNTDSKCC
- Data set name: Kerberos Key Distribution Centre
  - Table name: K3ZNTDSKDC
  - Historical table name: K3Z_KERBEROS_KEY_DISTRIBUTION_CENTRE or K3ZNTDSKDC
- Data set name: LDAP
  - Table name: K3ZNTDSLDP
  - Historical table name: K3Z_LDAP or K3ZNTDSLDP
- Data set name: LDAP Attributes
  - Table name: K3ZNTDSLDA
  - Historical table name: K3Z_LDAP_ATTRIBUTES or K3ZNTDSLDA
- Data set name: LFO
  - Table name: K3ZNTDSLFO
  - Historical table name: K3Z_LFO or K3ZNTDSLFO
- Data set name: Local Security Authority
  - Table name: K3ZNTDSLSA
  - Historical table name: K3Z_LOCAL_SECURITY_AUTHORITY or K3ZNTDSLSA
- Data set name: Logon Failure Count As Per Error Code
  - Table name: K3ZLFCAPEC
  - Historical table name: K3Z_LOGON_FAILURE_COUNT_AS_PER_ERROR_CODE or K3ZLFCAPEC
- Data set name: Logon Peak Hour Usage
  - Table name: K3ZLPHU
  - Historical table name: K3Z_LOGON_PEAK_HOUR_USAGE or K3ZLPHU
- Data set name: Moved Or Deleted Organizational Unit
  - Table name: K3ZOU

  - Historical table name: K3Z_MOVED_OR_DELETED_ORGANIZATIONAL_UNIT or K3ZOU
- Data set name: Name Service Provider
  - Table name: K3ZNTDSNSP
  - Historical table name: K3Z_NAME_SERVICE_PROVIDER or K3ZNTDSNSP
- Data set name: NETLOGON Attributes
  - Table name: K3ZNTLGON
  - Historical table name: K3Z_NETLOGON_ATTRIBUTES or K3ZNTLGON
- Data set name: Password Setting Objects
  - Table name: K3ZNTDSPSO
  - Historical table name: K3Z_PASSWORD_SETTING_OBJECTS or K3ZNTDSPSO
- Data set name: Remote Access Server
  - Table name: K3ZRAS
  - Historical table name: K3Z_REMOTE_ACCESS_SERVER or K3ZRAS
- Data set name: Replication
  - Table name: K3ZNTDSDRA
  - Historical table name: K3Z_REPLICATION or K3ZNTDSDRA
- Data set name: Replication Partner
  - Table name: K3ZNTDSRPL
  - Historical table name: K3Z_REPLICATION_PARTNER or K3ZNTDSRPL
- Data set name: Replication Partner Latency
  - Table name: K3ZNTDSRLT
  - Historical table name: K3Z_REPLICATION_PARTNER_LATENCY or K3ZNTDSRLT
- Data set name: RID Pool Information
  - Table name: K3ZRID
  - Historical table name: K3Z_RID_POOL_INFORMATION or K3ZRID
- Data set name: Root Directory Server
  - Table name: K3ZNTDSRDS
  - Historical table name: K3Z_ROOT_DIRECTORY_SERVER or K3ZNTDSRDS
- Data set name: Security Accounts Manager
  - Table name: K3ZNTDSSAM
  - Historical table name: K3Z_SECURITY_ACCOUNTS_MANAGER or K3ZNTDSSAM
- Data set name: Services
  - Table name: K3ZNTDSSVC
  - Historical table name: K3Z_SERVICES or K3ZNTDSSVC
- Data set name: Sysvol Replication
  - Table name: K3ZSYSRPL
  - Historical table name: K3Z_SYSVOL_REPLICATION or K3ZSYSRPL
- Data set name: Trust
  - Table name: K3ZNTDSTRS
  - Historical table name: K3Z_TRUST or K3ZNTDSTRS
- Data set name: Trust Topology
  - Table name: K3ZNTDSTTP

  - Historical table name: K3Z_TRUST_TOPOLOGY or K3ZNTDSTTP
- Data set name: UGCM
  - Table name: K3ZUGCM
  - Historical table name: K3Z_UGCM

Attribute descriptions

Attributes in each data set collect data that the agent uses for monitoring.

The descriptions of the data sets contain information such as description, type, and names for each attribute in the data set. Some attributes are designated as key attributes, which are identifier attributes for the data set. An attribute in *italic* indicates that it is available for display in the Cloud APM console dashboard pages.

Active Directory Database Information data set

The Active Directory Database Information attributes provide information about the database and log files of the Microsoft Active Directory.

This data set contains the following attributes:

ADDB Available Disk Space for Database
The free space (in MB) that is currently available on the hard disk drive where the Microsoft Active Directory database is stored. The type is real number (32-bit gauge) with two decimal places of precision.

The following names are defined for this attribute: K3Z_ADDB_AVAILABLE_DISK_SPACE_FOR_DATABASE or ADDBADSD (historical name), ADDB Available Disk Space for Database (caption), K3Z_ADDB_Available_Disk_Space_for_Database (attribute name), and ADDBADSD (column name).

ADDB Available Disk Space for Log Files
The free space (in MB) that is currently available on the hard disk drive where the log files of the Microsoft Active Directory are stored. The type is real number (32-bit gauge) with two decimal places of precision.

The following names are defined for this attribute: K3Z_ADDB_AVAILABLE_DISK_SPACE_FOR_LOG_FILES or ADDBADSL (historical name), ADDB Available Disk Space for Log Files (caption), K3Z_ADDB_Available_Disk_Space_for_Log_Files (attribute name), and ADDBADSL (column name).

ADDB Database File Path
The full directory path where the Microsoft Active Directory database is stored. The type is string.

The following names are defined for this attribute: K3Z_ADDB_DATABASE_FILE_PATH or ADDBDFP (historical name), ADDB Database File Path (caption), K3Z_ADDB_Database_File_Path (attribute name), and ADDBDFP (column name).

ADDB Database File Size
The size (in MB) of the database file. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_ADDB_DATABASE_FILE_SIZE or ADDBDFS (historical name), ADDB Database File Size (caption), K3Z_ADDB_Database_File_Size (attribute name), and ADDBDFS (column name).

ADDB Database Log File Path
The full directory path where the log files of the Microsoft Active Directory are stored. The type is string.

The following names are defined for this attribute: K3Z_ADDB_DATABASE_LOG_FILE_PATH or ADDBDLFP (historical name), ADDB Database Log File Path (caption), K3Z_ADDB_Database_Log_File_Path (attribute name), and ADDBDLFP (column name).

ADDB Database Log File Size
The sum of the size (in MB) of all the log files. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_ADDB_DATABASE_LOG_FILE_SIZE or ADDBDLFS (historical name), ADDB Database Log File Size (caption), K3Z_ADDB_Database_Log_File_Size (attribute name), and ADDBDLFS (column name).

ADDB Percentage Free Disk Space for Database
The percentage of free space that is currently available on the hard disk drive where the Microsoft Active Directory database file is stored. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_ADDB_PERCENTAGE_FREE_DISK_SPACE_FOR_DATABASE or ADDBPDSD (historical name), ADDB Percentage Free Disk Space for Database (caption), K3Z_ADDB_Percentage_Free_Disk_Space_for_Database (attribute name), and ADDBPDSD (column name).

ADDB Percentage Free Disk Space for Log Files
The percentage of free space that is currently available on the hard disk drive where the Microsoft Active Directory database log files are stored. The type is real number (32-bit gauge) with two decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_ADDB_PERCENTAGE_FREE_DISK_SPACE_FOR_LOG_FILES or ADDBPDSL (historical name), ADDB Percentage Free Disk Space for Log Files (caption), K3Z_ADDB_Percentage_Free_Disk_Space_for_Log_Files (attribute name), and ADDBPDSL (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

AD Services Status data set

This data set provides services state that are related to Active Directory Server. Based on the services state, it determines the Server Status of Active Directory. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Service Name
The name of the Active Direcory service. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: SERVICE_NAME or SRVCNAME (historical name), *Service Name* (caption), Service_Name (attribute name), and SRVCNAME (column name).

Service Required
Specifies if the service is required to determine the Server Status of Active Directory. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: IS_REQUIRED or SRVCREQ (historical name), *Service Required* (caption), Is_Required (attribute name), and SRVCREQ (column name).

Service State
Current service state. The type is string with enumerated values. The following values are defined: Service Not Available (Service_Not_Available). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: SERVICE_STATE or SRVCSTATE (historical name), *Service State* (caption), Service_State (attribute name), and SRVCSTATE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Address Book data set

Use the Address Book attributes to create eventing thresholds to monitor address book clients. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

AB ANR per sec
Rate at which the Address Book clients perform Ambiguous Name Resolutions (ANR) operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AB_ANR_PER_SEC or ABANRPS (historical name), *AB ANR per sec* (caption), K3Z_AB_ANR_Per_Sec (attribute name), and ABANRPS (column name).

AB Browses per sec
Rate at which Address Book clients perform browse operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AB_BROWSES_PER_SEC or ABBRSPS (historical name), *AB Browses per sec* (caption), K3Z_AB_Browses_Per_Sec (attribute name), and ABBRSPS (column name).

AB Client Sessions
Number of connected address book client sessions. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AB_CLIENT_SESSIONS or ABCLISES (historical name), *AB Client Sessions* (caption), K3Z_AB_Client_Sessions (attribute name), and ABCLISES (column name).

AB Matches Per sec
Rate at which address book clients perform find operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AB_MATCHES_PER_SEC or ABMATPS (historical name), *AB Matches Per sec* (caption), K3Z_AB_Matches_Per_Sec (attribute name), and ABMATPS (column name).

AB Property Reads Per Sec
Rate at which address book clients perform property read operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AB_PROPERTY_READS_PER_SEC or ABPRPRPS (historical name), *AB Property Reads Per Sec* (caption), K3Z_AB_Property_Reads_Per_Sec (attribute name), and ABPRPRPS (column name).

AB Proxy Lookups Per Sec
Rate at which the proxy clients perform search operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AB_PROXY_LOOKUPS_PER_SEC or ABPRXLKP (historical name), *AB Proxy Lookups Per Sec* (caption), K3Z_AB_Proxy_Lookups_Per_Sec (attribute name), and ABPRXLKP (column name).

AB Searches Per Sec
Rate at which address book clients perform key search operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AB_SEARCHES_PER_SEC or ABSRCPS (historical name), *AB Searches Per Sec* (caption), K3Z_AB_Searches_Per_Sec (attribute name), and ABSRCPS (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

ADFS data set

The Federation Server Detail attributes provide statistics that are associated with the Active Directory Federation Services (ADFS) Server. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

FS MSIS HTTP Token Requests/Sec
The number of relying party tokens that are issued per second by using the MSIS HTTP protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_MSIS_HTTP_TOKEN_REQUESTS/SEC or FEDMSTRS (historical name), *FS MSIS HTTP Token Requests/Sec* (caption), K3Z_FS_MSIS_HTTP_Token_Requests/Sec (attribute name), and FEDMSTRS (column name).

FS OAuth AuthZ Requests/Sec
The number of incoming requests per second that the OAuth authorization endpoint received. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_OAUTH_AUTHZ_REQUESTS/SEC or FEDOARS (historical name), *FS OAuth AuthZ Requests/Sec* (caption), K3Z_FS_OAuth_AuthZ_Requests/Sec (attribute name), and FEDOARS (column name).

FS OAuth Token Requests/Sec
The number of relying party tokens that are issued per second by using the OAuth protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_OAUTH_TOKEN_REQUESTS/SEC or FEDOTRS (historical name), *FS OAuth Token Requests/Sec* (caption), K3Z_FS_OAuth_Token_Requests/Sec (attribute name), and FEDOTRS (column name).

FS SAML-P Token Requests/Sec
The average number of relying party tokens that are issued by using the SAML-P protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_SAML-P_TOKEN_REQUESTS/SEC or FEDSPTRS (historical name), *FS SAML-P Token Requests/Sec* (caption), K3Z_FS_SAML-P_Token_Requests/Sec (attribute name), and FEDSPTRS (column name).

FS Token Requests/Sec
The number of relying party tokens that are issued per second for all protocols. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_TOKEN_REQUESTS/SEC or FEDTRS (historical name), *FS Token Requests/Sec* (caption), K3Z_FS_Token_Requests/Sec (attribute name), and FEDTRS (column name).

FS WS-Fed Token Requests/Sec
The number of relying party tokens that are issued per second by using the WS-Federation protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_WS-FED_TOKEN_REQUESTS/SEC or FEDWFTRS (historical name), *FS WS-Fed Token Requests/Sec* (caption), K3Z_FS_WS-Fed_Token_Requests/Sec (attribute name), and FEDWFTRS (column name).

FS WS-Trust Token Requests/Sec
The number of relying party tokens that are issued per second by using the WS-Trust protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_WS-TRUST_TOKEN_REQUESTS/SEC or FEDWTTR (historical name), *FS WS-Trust Token Requests/Sec* (caption), K3Z_FS_WS-Trust_Token_Requests/Sec (attribute name), and FEDWTTR (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

FS Additional Authentications
The number of times additional authentication is triggered. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_ADDITIONAL_AUTHENTICATIONS or FEDAAUS (historical name), FS Additional Authentications (caption), K3Z_FS_Additional_Authentications (attribute name), and FEDAAUS (column name).

FS Additional Authentications/Sec
The number of times additional authentication is triggered per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_ADDITIONAL_AUTHENTICATIONS/SEC or FEDAAS (historical name), FS Additional Authentications/Sec (caption), K3Z_FS_Additional_Authentications/Sec (attribute name), and FEDAAS (column name).

FS Alternate Login Id Authentications
The total number of successful authentications by using the alternate login ID. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_ALTERNATE_LOGIN_ID_AUTHENTICATIONS or FEDALIAS (historical name), FS Alternate Login Id Authentications (caption), K3Z_FS_Alternate_Login_Id_Authentications (attribute name), and FEDALIAS (column name).

FS Alternate Login Id Authentications/Sec
The average number of successful authentications by using the alternate login ID. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_ALTERNATE_LOGIN_ID_AUTHENTICATIONS/SEC or FEDALAS (historical name), FS Alternate Login Id Authentications/Sec (caption), K3Z_FS_Alternate_Login_Id_Authentications/Sec (attribute name), and FEDALAS (column name).

FS Artifact Resolution Requests
The total number of successful RP tokens issued over SAML artifact resolution. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_ARTIFACT_RESOLUTION_REQUESTS or FEDARR (historical name), FS Artifact Resolution Requests (caption), K3Z_FS_Artifact_Resolution_Requests (attribute name), and FEDARR (column name).

FS Artifact Resolution Requests/Sec
The number of successful relying party (RP) tokens issued per second over SAML artifact resolution. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_ARTIFACT_RESOLUTION_REQUESTS/SEC or FEDARRS (historical name), FS Artifact Resolution Requests/Sec (caption), K3Z_FS_Artifact_Resolution_Requests/Sec (attribute name), and FEDARRS (column name).

FS Average Search Latency for Alternate Login ID
The average latency time (in seconds) for searching the alternate login ID for a request. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_AVERAGE_SEARCH_LATENCY_FOR_ALTERNATE_LOGIN_ID or FEDASLID (historical name), FS Average Search Latency for Alternate Login ID (caption), K3Z_FS_Average_Search_Latency_for_Alternate_Login_ID (attribute name), and FEDASLID (column name).

FS Certificate Authentications
The number of successful AD Certificate authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_CERTIFICATE_AUTHENTICATIONS or FEDCA (historical name), FS Certificate Authentications (caption), K3Z_FS_Certificate_Authentications (attribute name), and FEDCA (column name).

FS Certificate Authentications/Sec
The number of successful AD Certificate authentications per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_CERTIFICATE_AUTHENTICATIONS/SEC or FEDCAS (historical name), FS Certificate Authentications/Sec (caption), K3Z_FS_Certificate_Authentications/Sec (attribute name), and FEDCAS (column name).

FS Device Authentication Failures
The total number of failed Device authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_DEVICE_AUTHENTICATION_FAILURES or FEDDAF (historical name), FS Device Authentication Failures (caption), K3Z_FS_Device_Authentication_Failures (attribute name), and FEDDAF (column name).

FS Device Authentications
The total number of successful Device authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_DEVICE_AUTHENTICATIONS or FEDDA (historical name), FS Device Authentications (caption), K3Z_FS_Device_Authentications (attribute name), and FEDDA (column name).

FS Device Authentications/Sec
The number of successful Device authentications per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_DEVICE_AUTHENTICATIONS/SEC or FEDDAS (historical name), FS Device Authentications/Sec (caption), K3Z_FS_Device_Authentications/Sec (attribute name), and FEDDAS (column name).

FS External Authentication Failures
The total number of failed authentications from external MFA providers. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_EXTERNAL_AUTHENTICATION_FAILURES or FEDEAF (historical name), FS External Authentication Failures (caption), K3Z_FS_External_Authentication_Failures (attribute name), and FEDEAF (column name).

FS External Authentications
The total number of successful authentications from external MFA providers. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_EXTERNAL_AUTHENTICATIONS or FEDEA (historical name), FS External Authentications (caption), K3Z_FS_External_Authentications (attribute name), and FEDEA (column name).

FS External Authentications/Sec
The number of successful authentications per second from external MFA providers. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_EXTERNAL_AUTHENTICATIONS/SEC or FEDEAS (historical name), FS External Authentications/Sec (caption), K3Z_FS_External_Authentications/Sec (attribute name), and FEDEAS (column name).

FS Extranet Account Lockouts
The Number of extranet U/P requests rejected due to account lockout. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_EXTRANET_ACCOUNT_LOCKOUTS or FEDEAL (historical name), FS Extranet Account Lockouts (caption), K3Z_FS_Extranet_Account_Lockouts (attribute name), and FEDEAL (column name).

FS Federated Authentication Failures
The total number of failed federated authentications from partner providers. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_FEDERATED_AUTHENTICATION_FAILURES or FEDFAF (historical name), FS Federated

Authentication Failures (caption), K3Z_FS_Federated_Authentication_Failures (attribute name), and FEDFAF (column name).

FS Federated Authentications
The number of successful federated authentications from partner providers. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_FEDERATED_AUTHENTICATIONS or FEDFA (historical name), FS Federated Authentications (caption), K3Z_FS_Federated_Authentications (attribute name), and FEDFA (column name).

FS Federated Authentications/Sec
The number of successful federated authentications per second from partner providers. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_FEDERATED_AUTHENTICATIONS/SEC or FEDFAS (historical name), FS Federated Authentications/Sec (caption), K3Z_FS_Federated_Authentications/Sec (attribute name), and FEDFAS (column name).

FS Federation Metadata Requests
The number of Federation Metadata requests. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_FEDERATION_METADATA_REQUESTS or FEDFMR (historical name), FS Federation Metadata Requests (caption), K3Z_FS_Federation_Metadata_Requests (attribute name), and FEDFMR (column name).

FS Federation Metadata Requests/Sec
The number of Federation Metadata requests per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_FEDERATION_METADATA_REQUESTS/SEC or FEDFMRS (historical name), FS Federation Metadata Requests/Sec (caption), K3Z_FS_Federation_Metadata_Requests/Sec (attribute name), and FEDFMRS (column name).

FS MSIS HTTP Token Requests
The total number of successful RP tokens issued over MSIS HTTP protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_MSIS_HTTP_TOKEN_REQUESTS or FEDMSTR (historical name), FS MSIS HTTP Token Requests (caption), K3Z_FS_MSIS_HTTP_Token_Requests (attribute name), and FEDMSTR (column name).

FS OAuth AuthZ Requests
The number of incoming requests to the OAuth Authorization endpoint. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_OAUTH_AUTHZ_REQUESTS or FEDOAR (historical name), FS OAuth AuthZ Requests (caption), K3Z_FS_OAuth_AuthZ_Requests (attribute name), and FEDOAR (column name).

FS OAuth Token Requests
The total number of successful RP tokens issued over OAuth protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_OAUTH_TOKEN_REQUESTS or FEDOTR (historical name), FS OAuth Token Requests (caption), K3Z_FS_OAuth_Token_Requests (attribute name), and FEDOTR (column name).

FS Passive Requests
The total number of incoming web requests for all passive protocols and web functionality. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_PASSIVE_REQUESTS or FEDPAR (historical name), FS Passive Requests (caption), K3Z_FS_Passive_Requests (attribute name), and FEDPAR (column name).

FS Passive Requests/Sec
The number of incoming web requests per second for passive protocols and web functionality. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_PASSIVE_REQUESTS/SEC or FEDPARS (historical name), FS Passive Requests/Sec (caption), K3Z_FS_Passive_Requests/Sec (attribute name), and FEDPARS (column name).

FS Password Change Failed Requests
The number of failed password change requests from the intranet. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_PASSWORD_CHANGE_FAILED_REQUESTS or FEDPCFR (historical name), FS Password Change Failed Requests (caption), K3Z_FS_Password_Change_Failed_Requests (attribute name), and FEDPCFR (column name).

FS Password Change Successful Requests
The number of successful password change requests from the intranet. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_PASSWORD_CHANGE_SUCCESSFUL_REQUESTS or FEDPCSR (historical name), FS Password Change Successful Requests (caption), K3Z_FS_Password_Change_Successful_Requests (attribute name), and FEDPCSR (column name).

FS SAML-P Token Requests
The total number of successful RP tokens issued over SAML-P protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_SAML-P_TOKEN_REQUESTS or FEDSPTR (historical name), FS SAML-P Token Requests (caption), K3Z_FS_SAML-P_Token_Requests (attribute name), and FEDSPTR (column name).

FS SSO Authentication Failures
The number of failed SSO authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_SSO_AUTHENTICATION_FAILURES or FEDSSOF (historical name), FS SSO Authentication Failures (caption), K3Z_FS_SSO_Authentication_Failures (attribute name), and FEDSSOF (column name).

FS SSO Authentications
The total number of successful SSO authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_SSO_AUTHENTICATIONS or FEDSSO (historical name), FS SSO Authentications (caption), K3Z_FS_SSO_Authentications (attribute name), and FEDSSO (column name).

FS SSO Authentications/Sec
The number of successful SSO authentications per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_SSO_AUTHENTICATIONS/SEC or FEDSSOS (historical name), FS SSO Authentications/Sec (caption), K3Z_FS_SSO_Authentications/Sec (attribute name), and FEDSSOS (column name).

FS Token Requests
The number of successful RP tokens issued across all protocols. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_TOKEN_REQUESTS or FEDTR (historical name), FS Token Requests (caption), K3Z_FS_Token_Requests (attribute name), and FEDTR (column name).

FS U/P Authentication Failures
The total number of failed AD U/P authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_U/P_AUTHENTICATION_FAILURES or FEDUPAF (historical name), FS U/P Authentication Failures (caption), K3Z_FS_U/P_Authentication_Failures (attribute name), and FEDUPAF (column name).

FS U/P Authentication Failures/Sec
The number of failed AD U/P authentications per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_U/P_AUTHENTICATION_FAILURES/SEC or FEDUPAFS (historical name), FS U/P Authentication Failures/Sec (caption), K3Z_FS_U/P_Authentication_Failures/Sec (attribute name), and FEDUPAFS (column name).

FS U/P Authentications
The number of successful AD U/P authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_U/P_AUTHENTICATIONS or FEDUPA (historical name), FS U/P Authentications (caption), K3Z_FS_U/P_Authentications (attribute name), and FEDUPA (column name).

FS U/P Authentications/Sec
The number of successful AD U/P authentications per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_U/P_AUTHENTICATIONS/SEC or FEDUPAS (historical name), FS U/P Authentications/Sec (caption), K3Z_FS_U/P_Authentications/Sec (attribute name), and FEDUPAS (column name).

FS Windows Integrated Authentications
The total number of successful AD Windows Integrated authentications. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_WINDOWS_INTEGRATED_AUTHENTICATIONS or FEDWIA (historical name), FS Windows Integrated Authentications (caption), K3Z_FS_Windows_Integrated_Authentications (attribute name), and FEDWIA (column name).

FS Windows Integrated Authentications/Sec
The number of successful AD Windows Integrated authentications per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_WINDOWS_INTEGRATED_AUTHENTICATIONS/SEC or FEDWIAS (historical name), FS Windows Integrated Authentications/Sec (caption), K3Z_FS_Windows_Integrated_Authentications/Sec (attribute name), and FEDWIAS (column name).

FS WS-Fed Token Requests
The number of successful RP tokens issued over WS-Fed protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_WS-FED_TOKEN_REQUESTS or FEDWFTR (historical name), FS WS-Fed Token Requests (caption), K3Z_FS_WS-Fed_Token_Requests (attribute name), and FEDWFTR (column name).

FS WS-Trust Token Requests
The total number of successful RP tokens issued over WS-Trust protocol. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FS_WS-TRUST_TOKEN_REQUESTS or FEDWTTRQ (historical name), FS WS-Trust Token Requests (caption), K3Z_FS_WS-Trust_Token_Requests (attribute name), and FEDWTTRQ (column name).

ADFS Proxy data set

The Federation Server Proxy Detail attributes provide statistics that are associated with the proxy of the Active Directory Federation Services (ADFS) Server. These attributes are supported on Windows Server 2012 operating system, or later. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Outstanding Requests
The number of requests to the ADFS proxy server that are waiting in the queue to be processed. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FP_OUTSTANDING_REQUESTS or FEPOR (historical name), *Outstanding Requests* (caption), K3Z_FP_Outstanding_Requests (attribute name), and FEPOR (column name).

Rejected Requests/sec
The number of requests that were rejected per second due to congestion throttling. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FP_REJECTED_REQUESTS/SEC or FEPRRS (historical name), *Rejected Requests/sec* (caption), K3Z_FP_Rejected_Requests/sec (attribute name), and FEPRRS (column name).

Request Latency
The average round-trip time of requests to ADFS proxy server. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FP_REQUEST_LATENCY or FEPRL (historical name), *Request Latency* (caption), K3Z_FP_Request_Latency (attribute name), and FEPRL (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Rejected Requests
The number of requests that were rejected due to congestion throttling. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FP_REJECTED_REQUESTS or FEPRR (historical name), Rejected Requests (caption), K3Z_FP_Rejected_Requests (attribute name), and FEPRR (column name).

Requests
The number of requests. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FP_REQUESTS or FEPRQ (historical name), Requests (caption), K3Z_FP_Requests (attribute name), and FEPRQ (column name).

Requests/sec
The number of WS-Trust and WS-MetadataExchange requests per second. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FP_REQUESTS/SEC or FEPRPS (historical name), Requests/sec (caption), K3Z_FP_Requests/sec (attribute name), and FEPRPS (column name).

ADFSALL data set

The Federation Detail attributes provide key statistics that are associated with the active directory federation server and active directory federation proxy server. These attributes are supported on Windows Server 2012 operating system, or later. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

FX Token Requests/Sec
The number of relying party tokens that are issued per second across all protocols. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FX_TOKEN_REQUESTS/SEC or FEXTRS (historical name), *FX Token Requests/Sec* (caption), K3Z_FX_Token_Requests/Sec (attribute name), and FEXTRS (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Rejected Requests/sec
The number of requests that were rejected per second due to congestion throttling. The value format is an integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FX_REJECTED_REQUESTS/SEC or FEXRRS (historical name), *Rejected Requests/sec* (caption), K3Z_FX_Rejected_Requests/sec (attribute name), and FEXRRS (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

ADLLI data set

Display active directory last logon information This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

LastFailedLogonTime
Last failed logon time. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_LLI_LASTFAILEDLOGONTIME or LLILFLT (historical name), *LastFailedLogonTime* (caption), K3Z_LLI_LastFailedLogonTime (attribute name), and LLILFLT (column name).

LastSuccessLogonTime
Last success logon time. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_LLI_LASTSUCCESSLOGONTIME or LLILSLT (historical name), *LastSuccessLogonTime* (caption), K3Z_LLI_LastSuccessLogonTime (attribute name), and LLILSLT (column name).

Member Of Groups
Member of groups. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_LLI_MEMBEROFGROUPS or LLIMOG (historical name), *Member Of Groups* (caption), K3Z_LLI_MemberOfGroups (attribute name), and LLIMOG (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Recent Failed Logons
Recent failed logons. The value format is string. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LLI_RECENTFAILEDLOGONS or LLIRFL (historical name), *Recent Failed Logons* (caption), K3Z_LLI_RecentFailedLogons (attribute name), and LLIRFL (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Total Failed Logons
Total failed logons. The value format is string. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LLI_TOTALFAILEDLOGONS or LLITFL (historical name), *Total Failed Logons* (caption), K3Z_LLI_TotalFailedLogons (attribute name), and LLITFL (column name).

User Name
User name. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_LLI_USERNAME or LLIUN (historical name), *User Name* (caption), K3Z_LLI_UserName (attribute name), and LLIUN (column name).

Asynchronous Thread Queue data set

The Asynchronous Thread Queue attributes provide statistics that are associated with the Asynchronous Thread Queue (ATQ).

This data set contains the following attributes:

ATQ Estimated Queue Delay
The estimated time (in milliseconds) that the next request might currently spend in the queue before it is serviced by the ATQ threads. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_ATQ_ESTIMATED_QUEUE_DELAY or ATQEQD (historical name), ATQ Estimated Queue Delay (caption), K3Z_ATQ_Estimated_Queue_Delay (attribute name), and ATQEQD (column name).

ATQ Outstanding Queued Requests
The number of requests that are currently queued and waiting to be serviced by the ATQ threads. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_ATQ_OUTSTANDING_QUEUED_REQUESTS or ATQOQR (historical name), ATQ Outstanding Queued Requests (caption), K3Z_ATQ_Outstanding_Queued_Requests (attribute name), and ATQOQR (column name).

ATQ Request Latency
The average time (in milliseconds) that is currently required by the ATQ threads to process a request, excluding the time spent by the request in the queue. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_ATQ_REQUEST_LATENCY or ATQRL (historical name), ATQ Request Latency (caption), K3Z_ATQ_Request_Latency (attribute name), and ATQRL (column name).

ATQ Threads LDAP
The number of threads that ATQ currently allocated to servicing the LDAP requests. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_ATQ_THREADS_LDAP or ATQTL (historical name), ATQ Threads LDAP (caption), K3Z_ATQ_Threads_LDAP (attribute name), and ATQTL (column name).

ATQ Threads Other
The number of threads that the ATQ currently allocated to servicing the Directory Service (DS), excluding the threads allocated to servicing the LDAP requests. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_ATQ_THREADS_OTHER or ATQTO (historical name), ATQ Threads Other (caption), K3Z_ATQ_Threads_Other (attribute name), and ATQTO (column name).

ATQ Threads Total
The total number of ATQ threads that are currently either waiting to service an incoming request, or are already servicing a request. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_ATQ_THREADS_TOTAL or ATQTT (historical name), ATQ Threads Total (caption), K3Z_ATQ_Threads_Total (attribute name), and ATQTT (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Conflict Objects data set

The Replication Conflict Objects attributes provide information about the conflict objects that are created when two or more updates (for the same object) are simultaneously received by two different domain controllers.

This data set contains the following attributes:

CNFOBJ ADs Path
The ADs path of the conflict object. The type is string.

The following names are defined for this attribute: K3Z_CNFOBJ_ADS_PATH or CNFOBJPTH (historical name), CNFOBJ ADs Path (caption), K3Z_CNFOBJ_ADs_Path (attribute name), and CNFOBJPTH (column name).

CNFOBJ Changed Timestamp
The date and time when the conflict object was modified. The type is timestamp.

The following names are defined for this attribute: K3Z_CNFOBJ_CHANGED_TIMESTAMP or CNFOBJMTM (historical name), CNFOBJ Changed Timestamp (caption), K3Z_CNFOBJ_Changed_Timestamp (attribute name), and CNFOBJMTM (column name).

CNFOBJ Common Name
The common name of the conflict object. The type is string.

The following names are defined for this attribute: K3Z_CNFOBJ_COMMON_NAME or CNFOBJCN (historical name), CNFOBJ Common Name (caption), K3Z_CNFOBJ_Common_Name (attribute name), and CNFOBJCN (column name).

CNFOBJ Created Timestamp
The date and time when the conflict object was created. The type is timestamp.

The following names are defined for this attribute: K3Z_CNFOBJ_CREATED_TIMESTAMP or CNFOBJCTM (historical name), CNFOBJ Created Timestamp (caption), K3Z_CNFOBJ_Created_Timestamp (attribute name), and CNFOBJCTM (column name).

CNFOBJ Distinguished Name
The distinguished name of the conflict object. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_CNFOBJ_DISTINGUISHED_NAME or CNFOBJDN (historical name), CNFOBJ Distinguished Name (caption), K3Z_CNFOBJ_Distinguished_Name (attribute name), and CNFOBJDN (column name).

CNFOBJ Object Category
The category of the conflict object. The type is string.

The following names are defined for this attribute: K3Z_CNFOBJ_OBJECT_CATEGORY or CNFOBJCAT (historical name), CNFOBJ Object Category (caption), K3Z_CNFOBJ_Object_Category (attribute name), and CNFOBJCAT (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Containers data set

The Containers attributes display information about containers and objects.

This data set contains the following attributes:

CNT Class Type
The class type of the container. For example, container, sitesContainer, crossRefContainer, and so on. The type is string.

The following names are defined for this attribute: K3Z_CNT_CLASS_TYPE or CNTCLS (historical name), CNT Class Type (caption), K3Z_CNT_Class_Type (attribute name), and CNTCLS (column name).

CNT Common Name
The common name of the container in the Active Directory schema. The type is string.

The following names are defined for this attribute: K3Z_CNT_COMMON_NAME or CNTCMNM (historical name), CNT Common Name (caption), K3Z_CNT_Common_Name (attribute name), and CNTCMNM (column name).

CNT Create Timestamp
The object creation timestamp. The type is string.

The following names are defined for this attribute: K3Z_CNT_CREATE_TIMESTAMP or CNTCRTS (historical name), CNT Create Timestamp (caption), K3Z_CNT_Create_Timestamp (attribute name), and CNTCRTS (column name).

CNT Distinguished Name
The distinguishable name of the container. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_CNT_DISTINGUISHED_NAME or CNTDISNM (historical name), CNT Distinguished Name (caption), K3Z_CNT_Distinguished_Name (attribute name), and CNTDISNM (column name).

CNT Modify Timestamp
The object modification timestamp. The type is string.

The following names are defined for this attribute: K3Z_CNT_MODIFY_TIMESTAMP or CNTMDTS (historical name), CNT Modify Timestamp (caption), K3Z_CNT_Modify_Timestamp (attribute name), and CNTMDTS (column name).

CNT Partition
The directory partition under which the container falls. The type is string.

The following names are defined for this attribute: K3Z_CNT_PARTITION or CNTPART (historical name), CNT Partition (caption), K3Z_CNT_Partition (attribute name), and CNTPART (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

DAD data set

The DNS ADIntegrated Details attributes include information about missing or invalid SRV records.

This data set contains the following attributes:

DAD Bad Or Missing
Specifies whether the SRV record is missing or invalid. This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Missing (0), Bad (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DAD_BAD_OR_MISSING or DADT (historical name), DAD Bad Or Missing (caption), K3Z_DAD_Bad_Or_Missing (attribute name), and DADT (column name).

DAD SRV Records
The SRV records that are either from ADSI or from the DNS server. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_DAD_SRV_RECORDS or DADSRM (historical name), DAD SRV Records (caption), K3Z_DAD_SRV_Records (attribute name), and DADSRM (column name).

DAD Type Of SRV Record
The type of SRV record. The SRV record types can be global catalog (GC), domain controller (DC), or primary domain controller (PDC). This attribute is a key attribute. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: GC (0), DC (1), PDC (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DAD_TYPE_OF_RECORD or DADTOR (historical name), DAD Type Of SRV Record (caption), K3Z_DAD_Type_Of_Record (attribute name), and DADTOR (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

DAI data set

The DNS ADIntegrated attributes display DNS information that is specifically related to AD. This data set has the option to cache the data it collects for some configurable period.

This data set contains the following attributes:

DAI Bad DC
A domain controller in the local SRV record is invalid. The type is string.

The following names are defined for this attribute: K3Z_DAI_BAD_DC or DAIBDC (historical name), DAI Bad DC (caption), K3Z_DAI_Bad_DC (attribute name), and DAIBDC (column name).

DAI Bad GC
A global catalog in the local SRV record is invalid. The type is string.

The following names are defined for this attribute: K3Z_DAI_BAD_GC or DAIBGC (historical name), DAI Bad GC (caption), K3Z_DAI_Bad_GC (attribute name), and DAIBGC (column name).

DAI Bad PDC
A primary domain controller in the local SRV record is invalid. The type is string.

The following names are defined for this attribute: K3Z_DAI_BAD_PDC or DAIBPDC (historical name), DAI Bad PDC (caption), K3Z_DAI_Bad_PDC (attribute name), and DAIBPDC (column name).

DAI DC SRV Records Bad
The number of invalid DC records in SRV. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DAI_DC_SRV_RECORDS_BAD or DAIDCB (historical name), DAI DC SRV Records Bad (caption), K3Z_DAI_DC_SRV_Records_Bad (attribute name), and DAIDCB (column name).

DAI DC SRV Records Missing
The number of DC records that are missing from SRV. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DAI_DC_SRV_RECORDS_MISSING or DAIDCM (historical name), DAI DC SRV Records Missing (caption), K3Z_DAI_DC_SRV_Records_Missing (attribute name), and DAIDCM (column name).

DAI Domain
The default domain that is associated with this server. The type is string.

The following names are defined for this attribute: K3Z_DAI_DOMAIN or DAIDOM (historical name), DAI Domain (caption), K3Z_DAI_Domain (attribute name), and DAIDOM (column name).

DAI Forest Name
The forest that is associated with this server. The type is string.

The following names are defined for this attribute: K3Z_DAI_FOREST_NAME or DAIFST (historical name), DAI Forest Name (caption), K3Z_DAI_Forest_Name (attribute name), and DAIFST (column name).

DAI GC SRV Records Bad
The number of invalid GC records in SRV. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DAI_GC_SRV_RECORDS_BAD or DAIGCB (historical name), DAI GC SRV Records Bad (caption), K3Z_DAI_GC_SRV_Records_Bad (attribute name), and DAIGCB (column name).

DAI GC SRV Records Missing
The number of GC records that are missing from SRV. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DAI_GC_SRV_RECORDS_MISSING or DAIGCM (historical name), DAI GC SRV Records Missing (caption), K3Z_DAI_GC_SRV_Records_Missing (attribute name), and DAIGCM (column name).

DAI Hostname
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_DAI_HOSTNAME_V630 or DAIHNLI (historical name), DAI Hostname (caption), K3Z_DAI_Hostname_v630 (attribute name), and DAIHNLI (column name).

DAI Hostname(Superseded)
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_DAI_HOSTNAME or DAIHN (historical name), DAI Hostname(Superseded) (caption), K3Z_DAI_Hostname (attribute name), and DAIHN (column name).

DAI Missing DC
A domain controller is missing from the local SRV record. The type is string.

The following names are defined for this attribute: K3Z_DAI_MISSING_DC or DAIMDC (historical name), DAI Missing DC (caption), K3Z_DAI_Missing_DC (attribute name), and DAIMDC (column name).

DAI Missing GC
A global catalog is missing from the local SRV record. The type is string.

The following names are defined for this attribute: K3Z_DAI_MISSING_GC or DAIMGC (historical name), DAI Missing GC (caption), K3Z_DAI_Missing_GC (attribute name), and DAIMGC (column name).

DAI Missing Node Rec
A node record is missing from the local SRV record. The type is string.

The following names are defined for this attribute: K3Z_DAI_MISSING_NODE_REC or DAIMNR (historical name), DAI Missing Node Rec (caption), K3Z_DAI_Missing_Node_Rec (attribute name), and DAIMNR (column name).

DAI Missing PDC
A primary domain controller is missing from the local SRV record. The type is string.

The following names are defined for this attribute: K3Z_DAI_MISSING_PDC or DAIMPDC (historical name), DAI Missing PDC (caption), K3Z_DAI_Missing_PDC (attribute name), and DAIMPDC (column name).

DAI Node Records Missing
The number of SRV records in the DNS server that are missing. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DAI_NODE_RECORDS_MISSING or DAINDM (historical name), DAI Node Records Missing (caption), K3Z_DAI_Node_Records_Missing (attribute name), and DAINDM (column name).

DAI PDC SRV Records Bad
The number of invalid PDC records in SRV. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DAI_PDC_SRV_RECORDS_BAD or DAIPDCB (historical name), DAI PDC SRV Records Bad (caption), K3Z_DAI_PDC_SRV_Records_Bad (attribute name), and DAIPDCB (column name).

DAI PDC SRV Records Missing
The number of PDC records that are missing from SRV. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DAI_PDC_SRV_RECORDS_MISSING or DAIPDCM (historical name), DAI PDC SRV Records Missing (caption), K3Z_DAI_PDC_SRV_Records_Missing (attribute name), and DAIPDCM (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

DFRC data set

The DFS Replication Connections attributes display information about the number, size, and bandwidth usage of the connections that the DFS Replication service uses. This data set is a multi-instance data set.

This data set contains the following attributes:

DFRC Connections Bandwidth Savings Using DFS Replication
The current percentage of bandwidth that the DFS Replication service saves for the replicated connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_BANDWIDTH_SAVINGS_USING_DFS_REPLICATION or DFRCRBWS (historical name), DFRC Connections Bandwidth Savings Using DFS Replication (caption), K3Z_DFRC_Connections_Bandwidth_Savings_Using_DFS_Replication (attribute name), and DFRCRBWS (column name).

DFRC Connections Bytes Received Second
The average number of bytes that are received per second on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_BYTES_RECEIVED_SECOND or DFRCBPS (historical name), DFRC Connections Bytes Received Second (caption), K3Z_DFRC_Connections_Bytes_Received_Second (attribute name), and DFRCBPS (column name).

DFRC Connections Compressed Size of Files Received
The size (in bytes) of compressed files that are currently received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFRCCSR (historical name), DFRC Connections Compressed Size of Files Received (caption), K3Z_DFRC_Connections_Compressed_Size_of_Files_Received (attribute name), and DFRCCSR (column name).

DFRC Connections RDC Compressed Size of Files Received
The size (in bytes) of compressed files that are currently received with RDC on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_RDC_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFRCRCSR (historical name), DFRC Connections RDC Compressed Size of Files Received (caption), K3Z_DFRC_Connections_RDC_Compressed_Size_of_Files_Received (attribute name), and DFRCRCSR (column name).

DFRC Connections RDC KBytes Received
The number of bytes that are currently received on the connection while replicating files by using remote differential compression (RDC). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_RDC_KBYTES_RECEIVED or DFRCBR (historical name), DFRC Connections RDC KBytes Received (caption), K3Z_DFRC_Connections_RDC_KBytes_Received (attribute name), and DFRCBR (column name).

DFRC Connections RDC Number of Files Received
The number of files that are currently received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_RDC_NUMBER_OF_FILES_RECEIVED or DFRCRNFR (historical name), DFRC Connections RDC Number of Files Received (caption), K3Z_DFRC_Connections_RDC_Number_of_Files_Received (attribute name), and DFRCRNFR (column name).

DFRC Connections RDC Size of Files Received
The size (in bytes) of uncompressed files that are currently received with RDC on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_RDC_SIZE_OF_FILES_RECEIVED or DFRCRSFR (historical name), DFRC Connections RDC Size of Files Received (caption), K3Z_DFRC_Connections_RDC_Size_of_Files_Received (attribute name), and DFRCRSFR (column name).

DFRC Connections Size of Files Received
The size (in bytes) of uncompressed files that are currently received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_SIZE_OF_FILES_RECEIVED or DFRCSFR (historical name), DFRC Connections Size of Files Received (caption), K3Z_DFRC_Connections_Size_of_Files_Received (attribute name), and DFRCSFR (column name).

DFRC Connections Total Files Received
The total number of files that are received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_TOTAL_FILES_RECEIVED or DFRCTFR (historical name), DFRC Connections Total Files Received (caption), K3Z_DFRC_Connections_Total_Files_Received (attribute name), and DFRCTFR (column name).

DFRC Connections Total KBytes Received
The total number of bytes that are received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRC_CONNECTIONS_TOTAL_KBYTES_RECEIVED or DFRCTBR (historical name), DFRC Connections Total KBytes Received (caption), K3Z_DFRC_Connections_Total_KBytes_Received (attribute name), and DFRCTBR (column name).

DFRC Instance Name
The name of the replication connection instance. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_DFRC_INSTANCE_NAME or DFRCIN (historical name), DFRC Instance Name (caption), K3Z_DFRC_Instance_Name (attribute name), and DFRCIN (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

DFRF data set

The DFS Replication Folders attributes display information about the number, size, and bandwidth usage of the folders that the DFS Replication service replicates. This data set is a multi-instance data set.

This data set contains the following attributes:

DFRF Folders Bandwidth Savings Using DFS Replication
The current percentage of bandwidth that the DFS Replication service saves for the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_BANDWIDTH_SAVINGS_USING_DFS_REPLICATION or DFRFFBWS (historical name), DFRF Folders Bandwidth Savings Using DFS Replication (caption), K3Z_DFRF_Folders_Bandwidth_Savings_Using_DFS_Replication (attribute name), and DFRFFBWS (column name).

DFRF Folders Compressed Size of Files Received
The size (in bytes) of compressed files that are currently received for the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFRFFCSR (historical name), DFRF Folders Compressed Size of Files Received (caption), K3Z_DFRF_Folders_Compressed_Size_of_Files_Received (attribute name), and DFRFFCSR (column name).

DFRF Folders Conflict Bytes Cleaned up
The total size (in bytes) of the conflict loser files and folders that are deleted from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_CONFLICT_BYTES_CLEANED_UP or DFRFFCBC (historical name), DFRF Folders Conflict Bytes Cleaned up (caption), K3Z_DFRF_Folders_Conflict_Bytes_Cleaned_up (attribute name), and DFRFFCBC (column name).

DFRF Folders Conflict Bytes Generated
The total size (in bytes) of the files and folders in the replicated folder that are moved to the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_CONFLICT_BYTES_GENERATED or DFRFFCBG (historical name), DFRF Folders Conflict Bytes Generated (caption), K3Z_DFRF_Folders_Conflict_Bytes_Generated (attribute name), and DFRFFCBG (column name).

DFRF Folders Conflict Files Cleaned up

The current number of conflict loser files and folders that are deleted from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_CONFLICT_FILES_CLEANED_UP or DFRFFCFC (historical name), DFRF Folders Conflict Files Cleaned up (caption), K3Z_DFRF_Folders_Conflict_Files_Cleaned_up (attribute name), and DFRFFCFC (column name).

DFRF Folders Conflict Files Generated

The current number of files and folders in the replicated folder that are moved to the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_CONFLICT_FILES_GENERATED or DFRFFCFG (historical name), DFRF Folders Conflict Files Generated (caption), K3Z_DFRF_Folders_Conflict_Files_Generated (attribute name), and DFRFFCFG (column name).

DFRF Folders Conflict Folder Cleanups Completed

The number of times the DFS Replication service deletes the conflict loser files and folders from the Conflict and Deleted folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_CONFLICT_FOLDER_CLEANUPS_COMPLETED or DFRFFCCC (historical name), DFRF Folders Conflict Folder Cleanups Completed (caption), K3Z_DFRF_Folders_Conflict_Folder_Cleanups_Completed (attribute name), and DFRFFCCC (column name).

DFRF Folders Conflict Space In Use

The total size (in bytes) of the conflict loser files and folders that are currently in the Conflict and Deleted folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_CONFLICT_SPACE_IN_USE or DFRFFCSU (historical name), DFRF Folders Conflict Space In Use (caption), K3Z_DFRF_Folders_Conflict_Space_In_Use (attribute name), and DFRFFCSU (column name).

DFRF Folders Deleted Bytes Cleaned up

The total size (in bytes) of deleted files and folders that are cleaned up from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_DELETED_BYTES_CLEANED_UP or DFRFFDBC (historical name), DFRF Folders Deleted Bytes Cleaned up (caption), K3Z_DFRF_Folders_Deleted_Bytes_Cleaned_up (attribute name), and DFRFFDBC (column name).

DFRF Folders Deleted Bytes Generated

The total size (in bytes) of the deleted files and folders that have been moved to the Conflict and Deleted folder after they were deleted from the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_DELETED_BYTES_GENERATED or DFRFFDBG (historical name), DFRF Folders Deleted Bytes Generated (caption), K3Z_DFRF_Folders_Deleted_Bytes_Generated (attribute name), and DFRFFDBG (column name).

DFRF Folders Deleted Files Cleaned up

The current number of deleted files and folders that are cleaned up from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_DELETED_FILES_CLEANED_UP or DFRFFDFC (historical name), DFRF Folders

Deleted Files Cleaned up (caption), K3Z_DFRF_Folders_Deleted_Files_Cleaned_up (attribute name), and DFRFFDFC (column name).

DFRF Folders Deleted Files Generated
The current number of deleted files and folders that have been moved to the Conflict and Deleted folder after the files were deleted from the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_DELETED_FILES_GENERATED or DFRFFDFG (historical name), DFRF Folders Deleted Files Generated (caption), K3Z_DFRF_Folders_Deleted_Files_Generated (attribute name), and DFRFFDFG (column name).

DFRF Folders Deleted Space In Use
The total size (in bytes) of the deleted files and folders that are currently in the Conflict and Deleted folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_DELETED_SPACE_IN_USE or DFRFFDSU (historical name), DFRF Folders Deleted Space In Use (caption), K3Z_DFRF_Folders_Deleted_Space_In_Use (attribute name), and DFRFFDSU (column name).

DFRF Folders File Installs Retried
The current number of installed files that are retried because of sharing violations and other errors, which occurred when installing the files. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_FILE_INSTALLS_RETRIED or DFRFFFIR (historical name), DFRF Folders File Installs Retried (caption), K3Z_DFRF_Folders_File_Installs_Retried (attribute name), and DFRFFFIR (column name).

DFRF Folders File Installs Succeeded
The current number of files that are received from sending members and installed locally on the domain server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_FILE_INSTALLS_SUCCEEDED or DFRFFFIS (historical name), DFRF Folders File Installs Succeeded (caption), K3Z_DFRF_Folders_File_Installs_Succeeded (attribute name), and DFRFFFIS (column name).

DFRF Folders RDC Compressed Size of Files Received
The size (in bytes) of compressed files that are currently received with RDC for the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_RDC_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFRFFRCSR (historical name), DFRF Folders RDC Compressed Size of Files Received (caption), K3Z_DFRF_Folders_RDC_Compressed_Size_of_Files_Received (attribute name), and DFRFFRCSR (column name).

DFRF Folders RDC KBytes Received
The number of bytes that are currently received for the folder while replicating files by using remote differential compression (RDC). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_RDC_KBYTES_RECEIVED or DFRFFBR (historical name), DFRF Folders RDC KBytes Received (caption), K3Z_DFRF_Folders_RDC_KBytes_Received (attribute name), and DFRFFBR (column name).

DFRF Folders RDC Number of Files Received
The current number of files that are received for the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_RDC_NUMBER_OF_FILES_RECEIVED or DFRFFRNFR (historical name), DFRF Folders RDC Number of Files Received (caption), K3Z_DFRF_Folders_RDC_Number_of_Files_Received (attribute name), and DFRFFRNFR (column name).

DFRF Folders RDC Size of Files Received
The size (in bytes) of uncompressed files that are currently received with RDC for the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_RDC_SIZE_OF_FILES_RECEIVED or DFRFFRSFR (historical name), DFRF Folders RDC Size of Files Received (caption), K3Z_DFRF_Folders_RDC_Size_of_Files_Received (attribute name), and DFRFFRSFR (column name).

DFRF Folders Size of Files Received
The size (in bytes) of uncompressed files that are currently received for the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_SIZE_OF_FILES_RECEIVED or DFRFFSFR (historical name), DFRF Folders Size of Files Received (caption), K3Z_DFRF_Folders_Size_of_Files_Received (attribute name), and DFRFFSFR (column name).

DFRF Folders Staging Bytes Cleaned up
The total size (in bytes) of the files and folders that are cleaned up from the staging folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_STAGING_BYTES_CLEANED_UP or DFRFFSBC (historical name), DFRF Folders Staging Bytes Cleaned up (caption), K3Z_DFRF_Folders_Staging_Bytes_Cleaned_up (attribute name), and DFRFFSBC (column name).

DFRF Folders Staging Bytes Generated
The total size (in bytes) of replicated files and folders in the staging folder that are created by the DFS Replication service since the domain server was restarted. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_STAGING_BYTES_GENERATED or DFRFFSBG (historical name), DFRF Folders Staging Bytes Generated (caption), K3Z_DFRF_Folders_Staging_Bytes_Generated (attribute name), and DFRFFSBG (column name).

DFRF Folders Staging Files Cleaned up
The current number of files and folders that are cleaned up from the staging folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_STAGING_FILES_CLEANED_UP or DFRFFSFC (historical name), DFRF Folders Staging Files Cleaned up (caption), K3Z_DFRF_Folders_Staging_Files_Cleaned_up (attribute name), and DFRFFSFC (column name).

DFRF Folders Staging Files Generated
The current number of times the replicated files and folders are staged by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_STAGING_FILES_GENERATED or DFRFFSFG (historical name), DFRF Folders Staging Files Generated (caption), K3Z_DFRF_Folders_Staging_Files_Generated (attribute name), and DFRFFSFG (column name).

DFRF Folders Staging Space In Use
The total size (in bytes) of the files and folders that are currently in the staging folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_STAGING_SPACE_IN_USE or DFRFFSSU (historical name), DFRF Folders Staging Space In Use (caption), K3Z_DFRF_Folders_Staging_Space_In_Use (attribute name), and DFRFFSSU (column name).

DFRF Folders Total Files Received
The total number of files that are received for the replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_TOTAL_FILES_RECEIVED or DFRFFTFR (historical name), DFRF Folders Total Files Received (caption), K3Z_DFRF_Folders_Total_Files_Received (attribute name), and DFRFFTFR (column name).

DFRF Folders Updates Dropped
The current number of replication update records for the redundant files that have been ignored by the DFS Replication service because the update records did not change the replicated file or folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFRF_FOLDERS_UPDATES_DROPPED or DFRFFUD (historical name), DFRF Folders Updates Dropped (caption), K3Z_DFRF_Folders_Updates_Dropped (attribute name), and DFRFFUD (column name).

DFRF Instance Name
The name of the replication folder instance. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_DFRF_INSTANCE_NAME or DFRFIN (historical name), DFRF Instance Name (caption), K3Z_DFRF_Instance_Name (attribute name), and DFRFIN (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

DFS data set

The DFSR attributes display DFSR information. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

DFSR Connections Bandwidth Savings Using DFS Replication
The percentage of bandwidth that was saved by the DFS Replication service for this connection using a combination of remote differential compression (RDC) and other compression technologies that minimize network bandwidth use. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_BANDWIDTH_SAVINGS_USING_DFS_REPLICATION or DFSRRBWS (historical name), *DFSR Connections Bandwidth Savings Using DFS Replication* (caption), K3Z_DFSR_Connections_Bandwidth_Savings_Using_DFS_Replication (attribute name), and DFSRRBWS (column name).

DFSR Connections Bytes Received Second
An estimate of the average number of bytes that were received each second over the past 30 seconds. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_BYTES_RECEIVED_SECOND or DFSRCBPS (historical name), *DFSR Connections Bytes Received Second* (caption), K3Z_DFSR_Connections_Bytes_Received_Second (attribute name), and DFSRCBPS (column name).

DFSR Connections Compressed Size of Files Received
The compressed size of files (in bytes) received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFSRCCSR (historical name), *DFSR Connections Compressed Size of Files Received* (caption), K3Z_DFSR_Connections_Compressed_Size_of_Files_Received (attribute name), and DFSRCCSR (column name).

DFSR Connections RDC Compressed Size of Files Received

The compressed size (in bytes) of files received with remote differential compression (RDC) for this connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_RDC_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFSRCRCSR (historical name), *DFSR Connections RDC Compressed Size of Files Received* (caption), K3Z_DFSR_Connections_RDC_Compressed_Size_of_Files_Received (attribute name), and DFSRCRCSR (column name).

DFSR Connections RDC KBytes Received

The bytes that were received on this connection while replicating files using remote differential compression (RDC). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_RDC_KBYTES_RECEIVED or DFSRCBR (historical name), *DFSR Connections RDC KBytes Received* (caption), K3Z_DFSR_Connections_RDC_KBytes_Received (attribute name), and DFSRCBR (column name).

DFSR Connections RDC Number of Files Received

The number files that were received on this connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_RDC_NUMBER_OF_FILES_RECEIVED or DFSRCRNFR (historical name), *DFSR Connections RDC Number of Files Received* (caption), K3Z_DFSR_Connections_RDC_Number_of_Files_Received (attribute name), and DFSRCRNFR (column name).

DFSR Connections RDC Size of Files Received

The uncompressed size (in bytes) of files received with remote differential compression (RDC) for this connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_RDC_SIZE_OF_FILES_RECEIVED or DFSRCRSFR (historical name), *DFSR Connections RDC Size of Files Received* (caption), K3Z_DFSR_Connections_RDC_Size_of_Files_Received (attribute name), and DFSRCRSFR (column name).

DFSR Connections Size of Files Received

The uncompressed size (in bytes) of the files received on this connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_SIZE_OF_FILES_RECEIVED or DFSRCSFR (historical name), *DFSR Connections Size of Files Received* (caption), K3Z_DFSR_Connections_Size_of_Files_Received (attribute name), and DFSRCSFR (column name).

DFSR Connections Total Files Received

The number of files that were received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_CONNECTIONS_TOTAL_FILES_RECEIVED or DFSRCTFR (historical name), *DFSR Connections Total Files Received* (caption), K3Z_DFSR_Connections_Total_Files_Received (attribute name), and DFSRCTFR (column name).

DFSR Connections Total KBytes Received

The total number of bytes received on the connection. The type is integer (32-bit gauge).

The following names are defined for this attribute:
K3Z_DFSR_CONNECTIONS_TOTAL_KBYTES_RECEIVED or DFSRCTBR (historical name), *DFSR Connections Total KBytes Received* (caption), K3Z_DFSR_Connections_Total_KBytes_Received (attribute name), and DFSRCTBR (column name).

DFSR Folders Bandwidth Savings Using DFS Replication

The percentage of bandwidth that was saved by the DFS Replication service for this replicated folder using a combination of remote differential compression (RDC) and other compression technologies that minimize network bandwidth. The type is integer (32-bit gauge).

The following names are defined for this attribute:
K3Z_DFSR_FOLDERS_BANDWIDTH_SAVINGS_USING_DFS_REPLICATION or DFSRFBWS (historical name), *DFSR Folders Bandwidth Savings Using DFS Replication* (caption), K3Z_DFSR_Folders_Bandwidth_Savings_Using_DFS_Replication (attribute name), and DFSRFBWS (column name).

DFSR Folders Compressed Size of Files Received

The compressed size (in bytes) of files received for this replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute:
K3Z_DFSR_FOLDERS_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFSRFCSR (historical name), *DFSR Folders Compressed Size of Files Received* (caption), K3Z_DFSR_Folders_Compressed_Size_of_Files_Received (attribute name), and DFSRFCSR (column name).

DFSR Folders Conflict Bytes Cleaned up

The total size (in bytes) of the conflict loser files and folders that were deleted from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute:
K3Z_DFSR_FOLDERS_CONFLICT_BYTES_CLEANED_UP or DFSRFCBC (historical name), *DFSR Folders Conflict Bytes Cleaned up* (caption), K3Z_DFSR_Folders_Conflict_Bytes_Cleaned_up (attribute name), and DFSRFCBC (column name).

DFSR Folders Conflict Bytes Generated

The total size (in bytes) of the files and folders in this replicated folder that were moved to the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute:
K3Z_DFSR_FOLDERS_CONFLICT_BYTES_GENERATED or DFSRFCBG (historical name), *DFSR Folders Conflict Bytes Generated* (caption), K3Z_DFSR_Folders_Conflict_Bytes_Generated (attribute name), and DFSRFCBG (column name).

DFSR Folders Conflict Files Cleaned up

The number the conflict loser files and folders that were deleted from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute:
K3Z_DFSR_FOLDERS_CONFLICT_FILES_CLEANED_UP or DFSRFCFC (historical name), *DFSR Folders Conflict Files Cleaned up* (caption), K3Z_DFSR_Folders_Conflict_Files_Cleaned_up (attribute name), and DFSRFCFC (column name).

DFSR Folders Conflict Files Generated

The number of files and folders in this replicated folder that were moved to the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute:
K3Z_DFSR_FOLDERS_CONFLICT_FILES_GENERATED or DFSRFCFG (historical name), *DFSR Folders Conflict Files Generated* (caption), K3Z_DFSR_Folders_Conflict_Files_Generated (attribute name), and DFSRFCFG (column name).

DFSR Folders Conflict Folder Cleanups Completed
The number of times conflict loser files and folders in the Conflict and Deleted folder were deleted by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_CONFLICT_FOLDER_CLEANUPS_COMPLETED or DFSRFCCC (historical name), *DFSR Folders Conflict Folder Cleanups Completed* (caption), K3Z_DFSR_Folders_Conflict_Folder_Cleanups_Completed (attribute name), and DFSRFCCC (column name).

DFSR Folders Conflict Space In Use
The total size (in bytes) of the conflict loser files and folders currently in the Conflict and Deleted folder used by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_CONFLICT_SPACE_IN_USE or DFSRFCSU (historical name), *DFSR Folders Conflict Space In Use* (caption), K3Z_DFSR_Folders_Conflict_Space_In_Use (attribute name), and DFSRFCSU (column name).

DFSR Folders Deleted Bytes Cleaned up
The total size (in bytes) of replicating deleted files and folders (in bytes) that were cleaned up from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_DELETED_BYTES_CLEANED_UP or DFSRFDBC (historical name), *DFSR Folders Deleted Bytes Cleaned up* (caption), K3Z_DFSR_Folders_Deleted_Bytes_Cleaned_up (attribute name), and DFSRFDBC (column name).

DFSR Folders Deleted Bytes Generated
The total size (in bytes) of replicated deleted files and folders that were moved to the Conflict and Deleted folder after they were deleted from a replicated folder on a sending member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_DELETED_BYTES_GENERATED or DFSRFDBG (historical name), *DFSR Folders Deleted Bytes Generated* (caption), K3Z_DFSR_Folders_Deleted_Bytes_Generated (attribute name), and DFSRFDBG (column name).

DFSR Folders Deleted Files Cleaned up
The number of replicated deleted files and folders that were cleaned up from the Conflict and Deleted folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_DELETED_FILES_CLEANED_UP or DFSRFDFC (historical name), *DFSR Folders Deleted Files Cleaned up* (caption), K3Z_DFSR_Folders_Deleted_Files_Cleaned_up (attribute name), and DFSRFDFC (column name).

DFSR Folders Deleted Files Generated
The number of replicated deleted files and folders that were moved to the Conflict and Deleted folder after they were deleted from a replicated folder on a sending member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_DELETED_FILES_GENERATED or DFSRFDFG (historical name), *DFSR Folders Deleted Files Generated* (caption), K3Z_DFSR_Folders_Deleted_Files_Generated (attribute name), and DFSRFDFG (column name).

DFSR Folders Deleted Space In Use
The total size (in bytes) of the deleted files and folders currently in the Conflict and Deleted folder used by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_DELETED_SPACE_IN_USE or DFSRFDSU (historical name), *DFSR Folders Deleted Space In Use* (caption), K3Z_DFSR_Folders_Deleted_Space_In_Use (attribute name), and DFSRFDSU (column name).

DFSR Folders File Installs Retried
The number of file installs that are being tried again due to sharing violations or other errors encountered when installing the files. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_FILE_INSTALLS_RETRIED or DFSRFFIR (historical name), *DFSR Folders File Installs Retried* (caption), K3Z_DFSR_Folders_File_Installs_Retried (attribute name), and DFSRFFIR (column name).

DFSR Folders File Installs Succeeded
The number of files that were successfully received from sending members and installed locally on this server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_FILE_INSTALLS_SUCCEEDED or DFSRFFIS (historical name), *DFSR Folders File Installs Succeeded* (caption), K3Z_DFSR_Folders_File_Installs_Succeeded (attribute name), and DFSRFFIS (column name).

DFSR Folders RDC Compressed Size of Files Received
The compressed size (in bytes) of the files received with remote differential compression (RDC) for this replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_RDC_COMPRESSED_SIZE_OF_FILES_RECEIVED or DFSRFRCSR (historical name), *DFSR Folders RDC Compressed Size of Files Received* (caption), K3Z_DFSR_Folders_RDC_Compressed_Size_of_Files_Received (attribute name), and DFSRFRCSR (column name).

DFSR Folders RDC KBytes Received
The number of bytes that were received in replicating files using remote differential compression (RDC) for this replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_RDC_KBYTES_RECEIVED or DFSRFBR (historical name), *DFSR Folders RDC KBytes Received* (caption), K3Z_DFSR_Folders_RDC_KBytes_Received (attribute name), and DFSRFBR (column name).

DFSR Folders RDC Number of Files Received
The number files that were received for this replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_RDC_NUMBER_OF_FILES_RECEIVED or DFSRFRNFR (historical name), *DFSR Folders RDC Number of Files Received* (caption), K3Z_DFSR_Folders_RDC_Number_of_Files_Received (attribute name), and DFSRFRNFR (column name).

DFSR Folders RDC Size of Files Received
The uncompressed size (in bytes) of the files received with remote differential compression (RDC) for this replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_RDC_SIZE_OF_FILES_RECEIVED or DFSRFRSFR (historical name), *DFSR Folders RDC Size of Files Received* (caption), K3Z_DFSR_Folders_RDC_Size_of_Files_Received (attribute name), and DFSRFRSFR (column name).

DFSR Folders Size of Files Received
The uncompressed size (in bytes) of the files received for this replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_SIZE_OF_FILES_RECEIVED or DFSRFSFR (historical name), *DFSR Folders Size of Files Received* (caption), K3Z_DFSR_Folders_Size_of_Files_Received (attribute name), and DFSRFSFR (column name).

DFSR Folders Staging Bytes Cleaned up
The total size (in bytes) of the files and folders that were cleaned up from the staging folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_STAGING_BYTES_CLEANED_UP or DFSRFSBC (historical name), *DFSR Folders Staging Bytes Cleaned up* (caption), K3Z_DFSR_Folders_Staging_Bytes_Cleaned_up (attribute name), and DFSRFSBC (column name).

DFSR Folders Staging Bytes Generated

The total size (in bytes) of replicated files and folders in the staging folder created by the DFS Replication service since last restart and is monotonically increasing counter. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_STAGING_BYTES_GENERATED or DFSRFSBG (historical name), *DFSR Folders Staging Bytes Generated* (caption), K3Z_DFSR_Folders_Staging_Bytes_Generated (attribute name), and DFSRFSBG (column name).

DFSR Folders Staging Files Cleaned up

The number of files and folders that were cleaned up from the staging folder by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_STAGING_FILES_CLEANED_UP or DFSRFSFC (historical name), *DFSR Folders Staging Files Cleaned up* (caption), K3Z_DFSR_Folders_Staging_Files_Cleaned_up (attribute name), and DFSRFSFC (column name).

DFSR Folders Staging Files Generated

The number of times replicated files and folders were staged by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_STAGING_FILES_GENERATED or DFSRFSFG (historical name), *DFSR Folders Staging Files Generated* (caption), K3Z_DFSR_Folders_Staging_Files_Generated (attribute name), and DFSRFSFG (column name).

DFSR Folders Staging Space In Use

The total size (in bytes) of the files and folders currently in the staging folder used by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_STAGING_SPACE_IN_USE or DFSRFSSU (historical name), *DFSR Folders Staging Space In Use* (caption), K3Z_DFSR_Folders_Staging_Space_In_Use (attribute name), and DFSRFSSU (column name).

DFSR Folders Total Files Received

The number of files that were received by this replicated folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_TOTAL_FILES_RECEIVED or DFSRFTFR (historical name), *DFSR Folders Total Files Received* (caption), K3Z_DFSR_Folders_Total_Files_Received (attribute name), and DFSRFTFR (column name).

DFSR Folders Updates Dropped

The number of redundant file replication update records that were ignored by the DFS Replication service because they did not change the replicated file or folder. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_FOLDERS_UPDATES_DROPPED or DFSRFUD (historical name), *DFSR Folders Updates Dropped* (caption), K3Z_DFSR_Folders_Updates_Dropped (attribute name), and DFSRFUD (column name).

DFSR Volumes Database Commits

The number of database commit operations performed by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_VOLUMES_DATABASE_COMMITS or DFSRDBC (historical name), *DFSR Volumes Database Commits* (caption), K3Z_DFSR_Volumes_Database_Commits (attribute name), and DFSRDBC (column name).

DFSR Volumes Database Lookups
The number of database search operations performed by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_VOLUMES_DATABASE_LOOKUPS or DFSRDBL (historical name), *DFSR Volumes Database Lookups* (caption), K3Z_DFSR_Volumes_Database_Lookups (attribute name), and DFSRDBL (column name).

DFSR Volumes USN Journal Records Accepted
The number of update sequence number (USN) journal records that were processed by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_VOLUMES_USN_JOURNAL_RECORDS_ACCEPTED or DFSRURC (historical name), *DFSR Volumes USN Journal Records Accepted* (caption), K3Z_DFSR_Volumes_USN_Journal_Records_Accepted (attribute name), and DFSRURC (column name).

DFSR Volumes USN Journal Records Read
The number of update sequence number (USN) journal records that were read by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_VOLUMES_USN_JOURNAL_RECORDS_READ or DFSRUJRR (historical name), *DFSR Volumes USN Journal Records Read* (caption), K3Z_DFSR_Volumes_USN_Journal_Records_Read (attribute name), and DFSRUJRR (column name).

DFSR Volumes USN Journal Unread Percentage
The percent of the update sequence number (USN) journal that has not yet been read and processed by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSR_VOLUMES_USN_JOURNAL_UNREAD_PERCENTAGE or DFSRUUNP (historical name), *DFSR Volumes USN Journal Unread Percentage* (caption), K3Z_DFSR_Volumes_USN_Journal_Unread_Percentage (attribute name), and DFSRUUNP (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

DFSV data set

The DFS Service Volumes attributes displays information about the database operations that the DFS Replication service performs. This data set is a multi-instance data set.

This data set contains the following attributes:

DFSV Instance Name
The name of the service volume instance. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_DFSV_INSTANCE_NAME or DFSVIN (historical name), DFSV Instance Name (caption), K3Z_DFSV_Instance_Name (attribute name), and DFSVIN (column name).

DFSV Volumes Database Commits
The current number of commit operations that are performed by the DFS Replication service on the database. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSV_VOLUMES_DATABASE_COMMITS or DFSVDBC (historical name), DFSV Volumes Database Commits (caption), K3Z_DFSV_Volumes_Database_Commits (attribute name), and DFSVDBC (column name).

DFSV Volumes Database Lookups
The current number of search operations that are performed by the DFS Replication service on the database. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSV_VOLUMES_DATABASE_LOOKUPS or DFSVDBL (historical name), DFSV Volumes Database Lookups (caption), K3Z_DFSV_Volumes_Database_Lookups (attribute name), and DFSVDBL (column name).

DFSV Volumes USN Journal Records Accepted
The current number of USN journal records that are processed by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSV_VOLUMES_USN_JOURNAL_RECORDS_ACCEPTED or DFSVURC (historical name), DFSV Volumes USN Journal Records Accepted (caption), K3Z_DFSV_Volumes_USN_Journal_Records_Accepted (attribute name), and DFSVURC (column name).

DFSV Volumes USN Journal Records Read
The current number of USN journal records that are read by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSV_VOLUMES_USN_JOURNAL_RECORDS_READ or DFSVUJRR (historical name), DFSV Volumes USN Journal Records Read (caption), K3Z_DFSV_Volumes_USN_Journal_Records_Read (attribute name), and DFSVUJRR (column name).

DFSV Volumes USN Journal Unread Percentage
The current percentage of the update sequence number (USN) journal that has not been read and processed by the DFS Replication service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DFSV_VOLUMES_USN_JOURNAL_UNREAD_PERCENTAGE or DFSVUUNP (historical name), DFSV Volumes USN Journal Unread Percentage (caption), K3Z_DFSV_Volumes_USN_Journal_Unread_Percentage (attribute name), and DFSVUUNP (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

DHCP data set

The DHCP attributes display DHCP information.

This data set contains the following attributes:

DHCP Acks sec percent increase
Percent increase in DHCP Acks per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_ACKS_SEC_PERCENT_INCREASE or DHCPAIP (historical name), DHCP Acks sec percent increase (caption), K3Z_DHCP_Acks_sec_percent_increase (attribute name), and DHCPAIP (column name).

DHCP Active Queue Length
Active queue length. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_ACTIVE_QUEUE_LENGTH or DHCPAQL (historical name), DHCP Active Queue Length (caption), K3Z_DHCP_Active_Queue_Length (attribute name), and DHCPAQL (column name).

DHCP Conflict Check Queue Length
DHCP length of Conflict Check queue. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_CONFLICT_CHECK_QUEUE_LENGTH or DHCPCQL (historical name), DHCP Conflict Check Queue Length (caption), K3Z_DHCP_Conflict_Check_Queue_Length (attribute name), and DHCPCQL (column name).

DHCP Declines Sec
DHCP declines per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_DECLINES_SEC or DHCPDR (historical name), DHCP Declines Sec (caption), K3Z_DHCP_Declines_Sec (attribute name), and DHCPDR (column name).

DHCP Discovers sec
Rate of DHCP Discovers received by the DHCP server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_DISCOVERS_SEC or DHCPDIS (historical name), DHCP Discovers sec (caption), K3Z_DHCP_Discovers_sec (attribute name), and DHCPDIS (column name).

DHCP Duplicates Dropped Sec
DHCP duplicates dropped per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_DUPLICATES_DROPPED_SEC or DHCPDDR (historical name), DHCP Duplicates Dropped Sec (caption), K3Z_DHCP_Duplicates_Dropped_Sec (attribute name), and DHCPDDR (column name).

DHCP Informs sec
Rate of DHCP Informs received by the DHCP server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_INFORMS_SEC or DHCPINF (historical name), DHCP Informs sec (caption), K3Z_DHCP_Informs_sec (attribute name), and DHCPINF (column name).

DHCP Milliseconds Packet
The average time per packet taken by the DHCP server to send a response. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_MILLISECONDS_PACKET or DHCPMPP (historical name), DHCP Milliseconds Packet (caption), K3Z_DHCP_Milliseconds_Packet (attribute name), and DHCPMPP (column name).

DHCP Nacks Sec
DHCP Nacks per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_NACKS_SEC or DHCPNR (historical name), DHCP Nacks Sec (caption), K3Z_DHCP_Nacks_Sec (attribute name), and DHCPNR (column name).

DHCP Offers sec
Rate of DHCP Offers sent out by the DHCP server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_OFFERS_SEC or DHCPOF (historical name), DHCP Offers sec (caption), K3Z_DHCP_Offers_sec (attribute name), and DHCPOF (column name).

DHCP Packets Expired Sec
DHCP packets expired per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_PACKETS_EXPIRED_SEC or DHCPPER (historical name), DHCP Packets Expired Sec (caption), K3Z_DHCP_Packets_Expired_Sec (attribute name), and DHCPPER (column name).

DHCP Packets Received sec
Packets Received/Sec is the rate at which packets are received by the DHCP server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_PACKETS_RECEIVED_SEC or DHCPPKR (historical name), DHCP Packets Received sec (caption), K3Z_DHCP_Packets_Received_sec (attribute name), and DHCPPKR (column name).

DHCP Releases sec
Rate of DHCP Releases received by the DHCP server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_RELEASES_SEC or DHCPRL (historical name), DHCP Releases sec (caption), K3Z_DHCP_Releases_sec (attribute name), and DHCPRL (column name).

DHCP Requests sec percent increase
The percent increase in DHCP requests per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DHCP_REQUESTS_SEC_PERCENT_INCREASE or DHCPRIP (historical name), DHCP Requests sec percent increase (caption), K3Z_DHCP_Requests_sec_percent_increase (attribute name), and DHCPRIP (column name).

DHCP Server
Specifies whether this server is a DHCP server. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_DHCP_SERVER or DHCPSRV (historical name), DHCP Server (caption), K3Z_DHCP_DHCP_Server (attribute name), and DHCPSRV (column name).

DHCP V6 Acks sec
The rate of DHCP Acks sent by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_ACKS_SEC or DHCPVAI (historical name), DHCP V6 Acks sec (caption), K3Z_DHCP_V6_Acks_sec (attribute name), and DHCPVAI (column name).

DHCP V6 Active Queue Length
The Number of packets in the processing queue of the DHCPV6 server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_ACTIVE_QUEUE_LENGTH or DHCPVAQL (historical name), DHCP V6 Active Queue Length (caption), K3Z_DHCP_V6_Active_Queue_Length (attribute name), and DHCPVAQL (column name).

DHCP V6 Advertises sec
The rate of DHCP Advertises sent out by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_ADVERTISES_SEC or DHCPVAD (historical name), DHCP V6 Advertises sec (caption), K3Z_DHCP_V6_Advertises_sec (attribute name), and DHCPVAD (column name).

DHCP V6 Confirms sec
The rate of DHCP Confirms received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_CONFIRMS_SEC or DHCPVCN (historical name), DHCP V6 Confirms sec (caption), K3Z_DHCP_V6_Confirms_sec (attribute name), and DHCPVCN (column name).

DHCP V6 Declines sec
Rate of DHCP Declines received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_DECLINES_SEC or DHCPVDR (historical name), DHCP V6 Declines sec (caption), K3Z_DHCP_V6_Declines_sec (attribute name), and DHCPVDR (column name).

DHCP V6 Duplicates Dropped sec
The rate at which the DHCPV6 server received duplicate packets. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_DUPLICATES_DROPPED_SEC or DHCPVDDR (historical name), DHCP V6 Duplicates Dropped sec (caption), K3Z_DHCP_V6_Duplicates_Dropped_sec (attribute name), and DHCPVDDR (column name).

DHCP V6 Informs sec
The rate of DHCP Informs received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_INFORMS_SEC or DHCPVINF (historical name), DHCP V6 Informs sec (caption), K3Z_DHCP_V6_Informs_sec (attribute name), and DHCPVINF (column name).

DHCP V6 Milliseconds Packet
The average time per packet taken by the DHCPV6 server to send a response. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_MILLISECONDS_PACKET or DHCPVMPP (historical name), DHCP V6 Milliseconds Packet (caption), K3Z_DHCP_V6_Milliseconds_Packet (attribute name), and DHCPVMPP (column name).

DHCP V6 Packets Expired sec
The rate at which packets get expired in the DHCPV6 server message queue. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_PACKETS_EXPIRED_SEC or DHCPVPER (historical name), DHCP V6 Packets Expired sec (caption), K3Z_DHCP_V6_Packets_Expired_sec (attribute name), and DHCPVPER (column name).

DHCP V6 Packets Received sec
The rate at which packets are received by the DHCPV6 server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_PACKETS_RECEIVED_SEC or DHCPVPKR (historical name), DHCP V6 Packets Received sec (caption), K3Z_DHCP_V6_Packets_Received_sec (attribute name), and DHCPVPKR (column name).

DHCP V6 Rebinds sec
The rate of DHCP Rebinds received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_REBINDS_SEC or DHCPVRB (historical name), DHCP V6 Rebinds sec (caption), K3Z_DHCP_V6_Rebinds_sec (attribute name), and DHCPVRB (column name).

DHCP V6 Releases sec
The rate of DHCP Releases received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_RELEASES_SEC or DHCPVRL (historical name), DHCP V6 Releases sec (caption), K3Z_DHCP_V6_Releases_sec (attribute name), and DHCPVRL (column name).

DHCP V6 Renews sec
The rate of DHCP Renews received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_RENEWS_SEC or DHCPVRN (historical name), DHCP V6 Renews sec (caption), K3Z_DHCP_V6_Renews_sec (attribute name), and DHCPVRN (column name).

DHCP V6 Requests sec
The rate of DHCP Requests received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_REQUESTS_SEC or DHCPVRI (historical name), DHCP V6 Requests sec (caption), K3Z_DHCP_V6_Requests_sec (attribute name), and DHCPVRI (column name).

DHCP V6 Solicits sec
The rate of DHCP Solicits received by the DHCPV6 Server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DHCP_V6_SOLICITS_SEC or DHCPVSL (historical name), DHCP V6 Solicits sec (caption), K3Z_DHCP_V6_Solicits_sec (attribute name), and DHCPVSL (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Direct Access Server data set

The Direct Access Server attributes monitor the activities of DirectAccess clients. This data set is a single instance data set. This data set is available only on Windows Server 2012.

This data set contains the following attributes:

Bytes received by active DirectAccess clients(MB)
The total amount of data (in MB) that was received by all the active DirectAccess clients since the service was started. The type is real number (32-bit counter) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_BYTES_RECEIVED_BY_ACTIVE_DIRECTACCESS_CLIENTS or BRBACTDACL (historical name), Bytes received by active DirectAccess clients(MB) (caption), K3Z_Bytes_received_by_active_DirectAccess_clients (attribute name), and BRBACTDACL (column name).

Bytes received by disconnected DirectAccess clients(MB)
The total amount of data (in MB) that was received by all the disconnected DirectAccess clients since the service was started. The type is real number (32-bit counter) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_BYTES_RECEIVED_BY_DISCONNECTED_DIRECTACCESS_CLIENTS or BRBDISDACL (historical name), Bytes received by disconnected DirectAccess clients(MB) (caption), K3Z_Bytes_received_by_disconnected_DirectAccess_clients (attribute name), and BRBDISDACL (column name).

Bytes transmitted by active DirectAccess clients(MB)
The total amount of data (in MB) that was transmitted by all the active DirectAccess clients since the service was started. The type is real number (32-bit counter) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_BYTES_TRANSMITTED_BY_ACTIVE_DIRECTACCESS_CLIENTS or BTBACTDACL (historical name), Bytes transmitted by active DirectAccess clients(MB) (caption), K3Z_Bytes_transmitted_by_active_DirectAccess_clients (attribute name), and BTBACTDACL (column name).

Bytes transmitted by disconnected DirectAccess clients(MB)
The total amount of data (in MB) that was transmitted by all the disconnected DirectAccess clients since the service was started. The type is real number (32-bit counter) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_BYTES_TRANSMITTED_BY_DISCONNECTED_DIRECTACCESS_CLIENTS or BTBDISDACL (historical name), Bytes transmitted by disconnected DirectAccess clients(MB) (caption), K3Z_Bytes_transmitted_by_disconnected_DirectAccess_clients (attribute name), and BTBDISDACL (column name).

Cumulative number of DirectAccess connections since service start
The cumulative number of DirectAccess clients that were connected to the server since the service was started. The type is integer (32-bit counter) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_CUMULATIVE_NUMBER_OF_DA_CONNECTIONS_SINCE_SERVICE_START or CNODACSSST (historical name), Cumulative number of DirectAccess connections since service start (caption), K3Z_Cumulative_number_of_DA_connections_since_service_start (attribute name), and CNODACSSST (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Total number of active DirectAccess connections
[K3Z_Total_number_of_active_DirectAccess_connections] The type is integer (32-bit counter) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TOTAL_NUMBER_OF_ACTIVE_DIRECTACCESS_CONNECTIONS or TNOADACONT (historical name), Total number of active DirectAccess connections (caption), K3Z_Total_number_of_active_DirectAccess_connections (attribute name), and TNOADACONT (column name).

Directory Services data set

Use the Directory Services attributes to create eventing thresholds to monitor the directory service agent (DSA), the Active Directory process that runs on each domain controller and manages all the directory service functions. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

DS Client Binds Per Sec
The number of ntdsapi(dot)dll binds per second serviced by this domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_CLIENT_BINDS_PER_SEC or DSCLBND (historical name), *DS Client Binds Per Sec* (caption), K3Z_DS_Client_Binds_Per_Sec (attribute name), and DSCLBND (column name).

DS Client Name Translations Per Sec
The number of ntdsapi(dot)dll name translations per second serviced by this domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_CLIENT_NAME_TRANSLATIONS_PER_SEC or DSNMTRA (historical name), *DS Client Name Translations Per Sec* (caption), K3Z_DS_Client_Name_Translations_Per_Sec (attribute name), and DSNMTRA (column name).

DS Directory Reads Per Sec
The number of directory reads per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_DIRECTORY_READS_PER_SEC or DSDIRRD (historical name), *DS Directory Reads Per Sec* (caption), K3Z_DS_Directory_Reads_Per_Sec (attribute name), and DSDIRRD (column name).

DS Directory Searches Per Sec
The number of directory searches per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_DIRECTORY_SEARCHES_PER_SEC or DSDIRSRC (historical name), *DS Directory Searches Per Sec* (caption), K3Z_DS_Directory_Searches_Per_Sec (attribute name), and DSDIRSRC (column name).

DS Directory Writes Per Sec
The number of directory writes per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_DIRECTORY_WRITES_PER_SEC or DSDIRWTS (historical name), *DS Directory Writes Per Sec* (caption), K3Z_DS_Directory_Writes_Per_Sec (attribute name), and DSDIRWTS (column name).

DS Monitor List Size
The number of requests to be notified when objects that are currently registered with this directory service agent (DSA) are updated. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_MONITOR_LIST_SIZE or DSMONSZE (historical name), *DS Monitor List Size* (caption), K3Z_DS_Monitor_List_Size (attribute name), and DSMONSZE (column name).

DS Name Cache Hit Rate
The percentage of directory object name component lookups that are satisfied out of the directory service agent (DSA) name cache. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_NAME_CACHE_HIT_RATE or DSNMCHR (historical name), *DS Name Cache Hit Rate* (caption), K3Z_DS_Name_Cache_Hit_Rate (attribute name), and DSNMCHR (column name).

DS Notify Queue Size
The number of pending update notifications that are queued but not yet transmitted to clients. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_NOTIFY_QUEUE_SIZE or DSQSIZE (historical name), *DS Notify Queue Size* (caption), K3Z_DS_Notify_Queue_Size (attribute name), and DSQSIZE (column name).

DS Other Reads
The percentage of directory reads that do not come from SAM, DRA, LDAP, LSA, XDS, KCC or NSPI. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_OTHER_READS or DSOTHRDS (historical name), *DS Other Reads* (caption), K3Z_DS_Other_Reads (attribute name), and DSOTHRDS (column name).

DS Other Searches
The percentage of directory searches that do not come from SAM, DRA, LDAP, LSA, XDS, KCC or NSPI. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_OTHER_SEARCHES or DSOTHSRC (historical name), *DS Other Searches* (caption), K3Z_DS_Other_Searches (attribute name), and DSOTHSRC (column name).

DS Other Writes
The percentage of directory writes that do not come from SAM, DRA, LDAP, LSA, XDS, KCC or NSPI. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_OTHER_WRITES or DSOTHWRT (historical name), *DS Other Writes* (caption), K3Z_DS_Other_Writes (attribute name), and DSOTHWRT (column name).

DS Pct Reads from NTDSAPI
The percent of directory reads coming from NTDAPI calls. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DS_PCT_READS_FROM_NTDSAPI or DSRDNTDS (historical name), *DS Pct Reads from NTDSAPI* (caption), K3Z_DS_Pct_Reads_from_NTDSAPI (attribute name), and DSRDNTDS (column name).

DS Pct Searches from NTDSAPI

The percent of directory searches coming from NTDAPI calls. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DS_PCT_SEARCHES_FROM_NTDSAPI or DSSRNTDS (historical name), *DS Pct Searches from NTDSAPI* (caption), K3Z_DS_Pct_Searches_from_NTDSAPI (attribute name), and DSSRNTDS (column name).

DS Pct Writes from NTDSAPI

The percent of directory writes coming from NTDSAPI calls. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DS_PCT_WRITES_FROM_NTDSAPI or DSWRNTDS (historical name), *DS Pct Writes from NTDSAPI* (caption), K3Z_DS_Pct_Writes_from_NTDSAPI (attribute name), and DSWRNTDS (column name).

DS Search Sub Operations Per Sec

The number of search suboperations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_SEARCH_SUB_OPERATIONS_PER_SEC or DSSRCOPER (historical name), *DS Search Sub Operations Per Sec* (caption), K3Z_DS_Search_Sub_Operations_Per_Sec (attribute name), and DSSRCOPER (column name).

DS Security Descriptor Propagations Per Sec

The number of security descriptor propagations events that are queued, but not yet processed. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_SECURITY_DESCRIPTOR_PROPAGATIONS_PER_SEC or DSSECPROP (historical name), *DS Security Descriptor Propagations Per Sec* (caption), K3Z_DS_Security_Descriptor_Propagations_Per_Sec (attribute name), and DSSECPROP (column name).

DS Security Descriptor Propagator Average Exclusion Time

The average length of time that the security descriptor propagator spends waiting for exclusive access to database elements. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_SECURITY_DESCRIPTOR_PROPAGATOR_AVERAGE_EXCLUSION_TIME or DSSECXTM (historical name), *DS Security Descriptor Propagator Average Exclusion Time* (caption), K3Z_DS_Security_Descriptor_Propagator_Average_Exclusion_Time (attribute name), and DSSECXTM (column name).

DS Security Descriptor Propagator Runtime Queue

The number of objects that remain to be examined while the current directory service security descriptor propagator event is being processed. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_SECURITY_DESCRIPTOR_PROPAGATOR_RUNTIME_QUEUE or DSSECRUNTM (historical name), *DS Security Descriptor Propagator Runtime Queue* (caption), K3Z_DS_Security_Descriptor_Propagator_Runtime_Queue (attribute name), and DSSECRUNTM (column name).

DS Security Descriptor Sub Operations Per Sec

The number of security descriptor propagation suboperations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_SECURITY_DESCRIPTOR_SUB_OPERATIONS_PER_SEC or DSSECOPER (historical name), *DS*

Security Descriptor Sub Operations Per Sec (caption), K3Z_DS_Security_Descriptor_Sub_Operations_Per_Sec (attribute name), and DSSECOPER (column name).

DS Server Binds Per Sec
The number of domain controller to domain controller binds per second that are serviced by this domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_SERVER_BINDS_PER_SEC or DSBINDS (historical name), *DS Server Binds Per Sec* (caption), K3Z_DS_Server_Binds_Per_Sec (attribute name), and DSBINDS (column name).

DS Server Name Translations Per Sec
The number of domain controller to domain controller name translations per second that are serviced by this domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_SERVER_NAME_TRANSLATIONS_PER_SEC or DSNMTRAN (historical name), *DS Server Name Translations Per Sec* (caption), K3Z_DS_Server_Name_Translations_Per_Sec (attribute name), and DSNMTRAN (column name).

DS Threads in use
The current number of threads that the directory service is using. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DS_THREADS_IN_USE or DSTHRDS (historical name), *DS Threads in use* (caption), K3Z_DS_Threads_in_use (attribute name), and DSTHRDS (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

DNS data set

The DNS attributes display DNS information.

This data set contains the following attributes:

DNS AXFR Request Received
The total number of full zone transfer requests received by the master DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_AXFR_REQUEST_RECEIVED or DNSARR (historical name), DNS AXFR Request Received (caption), K3Z_DNS_AXFR_Request_Received (attribute name), and DNSARR (column name).

DNS AXFR Request Sent
The total number of full zone transfer requests sent by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_AXFR_REQUEST_SENT or DNSARS (historical name), DNS AXFR Request Sent (caption), K3Z_DNS_AXFR_Request_Sent (attribute name), and DNSARS (column name).

DNS AXFR Response Received
The total number of full zone transfer responses received by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_AXFR_RESPONSE_RECEIVED or DNSARPR (historical name), DNS AXFR Response Received (caption), K3Z_DNS_AXFR_Response_Received (attribute name), and DNSARPR (column name).

DNS AXFR Success Received
The total number of successful full zone transfers received by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_AXFR_SUCCESS_RECEIVED or DNSASR (historical name), DNS AXFR Success Received (caption), K3Z_DNS_AXFR_Success_Received (attribute name), and DNSASR (column name).

DNS AXFR Success Sent
The total number of successful full zone transfers of the master DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_AXFR_SUCCESS_SENT or DNSASS (historical name), DNS AXFR Success Sent (caption), K3Z_DNS_AXFR_Success_Sent (attribute name), and DNSASS (column name).

DNS Caching Memory KB
DNS caching memory. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_CACHING_MEMORY or DNSCAM (historical name), DNS Caching Memory KB (caption), K3Z_DNS_Caching_Memory (attribute name), and DNSCAM (column name).

DNS Database Node Memory KB
The total caching memory used by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DATABASE_NODE_MEMORY_KB or DNSDNM (historical name), DNS Database Node Memory KB (caption), K3Z_DNS_Database_Node_Memory_KB (attribute name), and DNSDNM (column name).

DNS Dynamic Update Failures Pct
The percent of dynamic update failures compared to total dynamic updates. Attributes based on previous values are valid for eventing thresholds only. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_FAILURES_PCT or DNSDUFP (historical name), DNS Dynamic Update Failures Pct (caption), K3Z_DNS_Dynamic_Update_Failures_Pct (attribute name), and DNSDUFP (column name).

DNS Dynamic Update NoOperation
The total number of No-operation/Empty dynamic update requests received by the DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_NOOPERATION or DNSUPNO (historical name), DNS Dynamic Update NoOperation (caption), K3Z_DNS_Dynamic_Update_NoOperation (attribute name), and DNSUPNO (column name).

DNS Dynamic Update NoOperation sec
The average number of No-operation/Empty dynamic update requests received by the DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_NOOPERATION_SEC or DNSUNOS (historical name), DNS Dynamic Update NoOperation sec (caption), K3Z_DNS_Dynamic_Update_NoOperation_sec (attribute name), and DNSUNOS (column name).

DNS Dynamic Update Queued
DNS dynamic updates that are queued. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_QUEUED or DNSDUQ (historical name), DNS Dynamic Update Queued (caption), K3Z_DNS_Dynamic_Update_Queued (attribute name), and DNSDUQ (column name).

DNS Dynamic Update Received
DNS dynamic updates that were received. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_RECEIVED or DNSDUR (historical name), DNS Dynamic Update Received (caption), K3Z_DNS_Dynamic_Update_Received (attribute name), and DNSDUR (column name).

DNS Dynamic Update Received Delta
DNS dynamic updates that were received since the last poll was taken. Attributes based on previous values are valid for eventing thresholds only. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_RECEIVED_DELTA or DNSDURD (historical name), DNS Dynamic Update Received Delta (caption), K3Z_DNS_Dynamic_Update_Received_Delta (attribute name), and DNSDURD (column name).

DNS Dynamic Update Received sec
DNS dynamic updates that were received per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_RECEIVED_SEC or DNSDUCR (historical name), DNS Dynamic Update Received sec (caption), K3Z_DNS_Dynamic_Update_Received_sec (attribute name), and DNSDUCR (column name).

DNS Dynamic Update Rejected
DNS dynamic updates rejected. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_REJECTED or DNSDURJ (historical name), DNS Dynamic Update Rejected (caption), K3Z_DNS_Dynamic_Update_Rejected (attribute name), and DNSDURJ (column name).

DNS Dynamic Update Rejected Delta
DNS dynamic updates that were rejected since the last poll was taken. Attributes based on previous values are valid for eventing thresholds only. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_REJECTED_DELTA or DNSDURJD (historical name), DNS Dynamic Update Rejected Delta (caption), K3Z_DNS_Dynamic_Update_Rejected_Delta (attribute name), and DNSDURJD (column name).

DNS Dynamic Update Rejected Pct
Percent of rejected DNS dynamic updates of dynamic updates received. Attributes based on previous values are valid for eventing thresholds only. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_REJECTED_PCT or DNSDURJP (historical name), DNS Dynamic Update Rejected Pct (caption), K3Z_DNS_Dynamic_Update_Rejected_Pct (attribute name), and DNSDURJP (column name).

DNS Dynamic Update TimeOuts
DNS dynamic updates timeouts. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_TIMEOUTS or DNSDUTO (historical name), DNS Dynamic Update TimeOuts (caption), K3Z_DNS_Dynamic_Update_TimeOuts (attribute name), and DNSDUTO (column name).

DNS Dynamic Update TimeOuts Delta
DNS dynamic update timeouts since the last poll was taken. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_TIMEOUTS_DELTA or DNSDUTOD (historical name), DNS Dynamic Update TimeOuts Delta (caption), K3Z_DNS_Dynamic_Update_TimeOuts_Delta (attribute name), and DNSDUTOD (column name).

DNS Dynamic Update TimeOuts Pct
Percent of DNS dynamic update timeouts of dynamic updates received. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_TIMEOUTS_PCT or DNSDUTOP (historical name), DNS Dynamic Update TimeOuts Pct (caption), K3Z_DNS_Dynamic_Update_TimeOuts_Pct (attribute name), and DNSDUTOP (column name).

DNS Dynamic Update Written Database
The total number of dynamic updates written to the database by the DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_WRITTEN_DATABASE or DNSUPDB (historical name), DNS Dynamic Update Written Database (caption), K3Z_DNS_Dynamic_Update_Written_Database (attribute name), and DNSUPDB (column name).

DNS Dynamic Update Written Database sec
The average number of dynamic updates written to the database by the DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_DYNAMIC_UPDATE_WRITTEN_DATABASE_SEC or DNSUDBS (historical name), DNS Dynamic Update Written Database sec (caption), K3Z_DNS_Dynamic_Update_Written_Database_sec (attribute name), and DNSUDBS (column name).

DNS Is Read Only
This attribute checks whether the DNS server is read only or writable. The Enum values can be:

- True
- False

The type is integer (32-bit numeric property) with enumerated values. The following values are defined: False (0), True (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DNS_IS_READ_ONLY or DNSIRO (historical name), DNS Is Read Only (caption), K3Z_DNS_Is_Read_Only (attribute name), and DNSIRO (column name).

DNS IXFR Request Received
The total number of incremental zone transfer requests received by the master DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_IXFR_REQUEST_RECEIVED or DNSIRR (historical name), DNS IXFR Request Received (caption), K3Z_DNS_IXFR_Request_Received (attribute name), and DNSIRR (column name).

DNS IXFR Request Sent
The total number of incremental zone transfer requests sent by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_IXFR_REQUEST_SENT or DNSIRS (historical name), DNS IXFR Request Sent (caption), K3Z_DNS_IXFR_Request_Sent (attribute name), and DNSIRS (column name).

DNS IXFR Response Received
The total number of incremental zone transfer responses received by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_IXFR_RESPONSE_RECEIVED or DNSIRPR (historical name), DNS IXFR Response Received (caption), K3Z_DNS_IXFR_Response_Received (attribute name), and DNSIRPR (column name).

DNS IXFR Success Received
The total number of successful incremental zone transfers received by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_IXFR_SUCCESS_RECEIVED or DNSISR (historical name), DNS IXFR Success Received (caption), K3Z_DNS_IXFR_Success_Received (attribute name), and DNSISR (column name).

DNS IXFR Success Sent
The total number of successful incremental zone transfers of the master DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_IXFR_SUCCESS_SENT or DNSISS (historical name), DNS IXFR Success Sent (caption), K3Z_DNS_IXFR_Success_Sent (attribute name), and DNSISS (column name).

DNS IXFR TCP Success Received
The total number of successful TCP incremental zone transfers received by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_IXFR_TCP_SUCCESS_RECEIVED or DNSITCPS (historical name), DNS IXFR TCP Success Received (caption), K3Z_DNS_IXFR_TCP_Success_Received (attribute name), and DNSITCPS (column name).

DNS IXFR UDP Success Received
The total number of successful UDP incremental zone transfers received by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_IXFR_UDP_SUCCESS_RECEIVED or DNSIUDPS (historical name), DNS IXFR UDP Success Received (caption), K3Z_DNS_IXFR_UDP_Success_Received (attribute name), and DNSIUDPS (column name).

DNS Nbstat Memory KB
The total Nbstat memory used by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_NBSTAT_MEMORY_KB or DNSNBM (historical name), DNS Nbstat Memory KB (caption), K3Z_DNS_Nbstat_Memory_KB (attribute name), and DNSNBM (column name).

DNS Notify Received
The total number of notifies received by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_NOTIFY_RECEIVED or DNSNTR (historical name), DNS Notify Received (caption), K3Z_DNS_Notify_Received (attribute name), and DNSNTR (column name).

DNS Notify Sent
The total number of notifies sent by the master DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_NOTIFY_SENT or DNSNTS (historical name), DNS Notify Sent (caption), K3Z_DNS_Notify_Sent (attribute name), and DNSNTS (column name).

DNS Record Flow Memory KB
The total record flow memory used by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RECORD_FLOW_MEMORY_KB or DNSRFM (historical name), DNS Record Flow Memory KB (caption), K3Z_DNS_Record_Flow_Memory_KB (attribute name), and DNSRFM (column name).

DNS Recursive Queries
The total number of recursive queries received by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RECURSIVE_QUERIES or DNSRQ (historical name), DNS Recursive Queries (caption), K3Z_DNS_Recursive_Queries (attribute name), and DNSRQ (column name).

DNS Recursive Queries sec
The average number of recursive queries received by DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RECURSIVE_QUERIES_SEC or DNSRQS (historical name), DNS Recursive Queries sec (caption), K3Z_DNS_Recursive_Queries_sec (attribute name), and DNSRQS (column name).

DNS Recursive Query Failure
The total number of recursive query failures. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RECURSIVE_QUERY_FAILURE or DNSRQF (historical name), DNS Recursive Query Failure (caption), K3Z_DNS_Recursive_Query_Failure (attribute name), and DNSRQF (column name).

DNS Recursive Query Failure sec
The average number of recursive query failures in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RECURSIVE_QUERY_FAILURE_SEC or DNSRQFS (historical name), DNS Recursive Query Failure sec (caption), K3Z_DNS_Recursive_Query_Failure_sec (attribute name), and DNSRQFS (column name).

DNS Recursive Send TimeOuts
The total number of recursive query sending timeouts. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RECURSIVE_SEND_TIMEOUTS or DNSRSTO (historical name), DNS Recursive Send TimeOuts (caption), K3Z_DNS_Recursive_Send_TimeOuts (attribute name), and DNSRSTO (column name).

DNS Recursive TimeOut sec
The average number of recursive query sending timeouts in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RECURSIVE_TIMEOUT_SEC or DNSRTOS (historical name), DNS Recursive TimeOut sec (caption), K3Z_DNS_Recursive_TimeOut_sec (attribute name), and DNSRTOS (column name).

DNS Response Time
DNS response time. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_RESPONSE_TIME or DNSRSPT (historical name), DNS Response Time (caption), K3Z_DNS_Response_Time (attribute name), and DNSRSPT (column name).

DNS Secure Update Failure
The total number of secure updates failed of the DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_SECURE_UPDATE_FAILURE or DNSSUFL (historical name), DNS Secure Update Failure (caption), K3Z_DNS_Secure_Update_Failure (attribute name), and DNSSUFL (column name).

DNS Secure Update Received
The total number of secure update requests received by the DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_SECURE_UPDATE_RECEIVED or DNSSURC (historical name), DNS Secure Update Received (caption), K3Z_DNS_Secure_Update_Received (attribute name), and DNSSURC (column name).

DNS Secure Update Received sec
The average number of secure update requests received by the DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_SECURE_UPDATE_RECEIVED_SEC or DNSSURS (historical name), DNS Secure Update Received sec (caption), K3Z_DNS_Secure_Update_Received_sec (attribute name), and DNSSURS (column name).

DNS Server
Specifies whether this is a DNS server. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DNS_DNS_SERVER or DNSSRV (historical name), DNS Server (caption), K3Z_DNS_DNS_Server (attribute name), and DNSSRV (column name).

DNS TCP Message Memory KB
The total TCP message memory used by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TCP_MESSAGE_MEMORY_KB or DNSTCPMM (historical name), DNS TCP Message Memory KB (caption), K3Z_DNS_TCP_Message_Memory_KB (attribute name), and DNSTCPMM (column name).

DNS TCP Query Received
The total number of TCP queries received by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TCP_QUERY_RECEIVED or DNSTCPQR (historical name), DNS TCP Query Received (caption), K3Z_DNS_TCP_Query_Received (attribute name), and DNSTCPQR (column name).

DNS TCP Query Received sec
The average number of TCP queries received by DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TCP_QUERY_RECEIVED_SEC or DNSTCPQS (historical name), DNS TCP Query Received sec (caption), K3Z_DNS_TCP_Query_Received_sec (attribute name), and DNSTCPQS (column name).

DNS TCP Response Sent
The total number of TCP responses sent by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TCP_RESPONSE_SENT or DNSTCPRS (historical name), DNS TCP Response Sent (caption), K3Z_DNS_TCP_Response_Sent (attribute name), and DNSTCPRS (column name).

DNS TCP Response Sent sec
The average number of TCP responses sent by DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TCP_RESPONSE_SENT_SEC or DNSTCPRES (historical name), DNS TCP Response Sent sec (caption), K3Z_DNS_TCP_Response_Sent_sec (attribute name), and DNSTCPRES (column name).

DNS Total Query Received
DNS total queries that were received. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_TOTAL_QUERY_RECEIVED or DNSQRT (historical name), DNS Total Query Received (caption), K3Z_DNS_Total_Query_Received (attribute name), and DNSQRT (column name).

DNS Total Query Received Delta
DNS total queries that were received since the last poll was taken. Attributes based on previous values are valid for eventing thresholds only. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TOTAL_QUERY_RECEIVED_DELTA or DNSQRTD (historical name), DNS Total Query Received Delta (caption), K3Z_DNS_Total_Query_Received_Delta (attribute name), and DNSQRTD (column name).

DNS Total Query Received sec
DNS total queries that were received per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TOTAL_QUERY_RECEIVED_SEC or DNSQRTR (historical name), DNS Total Query Received sec (caption), K3Z_DNS_Total_Query_Received_sec (attribute name), and DNSQRTR (column name).

DNS Total Response Sent
DNS total response that were sent. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_TOTAL_RESPONSE_SENT or DNSRST (historical name), DNS Total Response Sent (caption), K3Z_DNS_Total_Response_Sent (attribute name), and DNSRST (column name).

DNS Total Response Sent Delta
DNS total responses that were sent since the last poll was taken. Attributes based on previous values are valid for eventing thresholds only. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TOTAL_RESPONSE_SENT_DELTA or DNSRSTD (historical name), DNS Total Response Sent Delta (caption), K3Z_DNS_Total_Response_Sent_Delta (attribute name), and DNSRSTD (column name).

DNS Total Response Sent sec
DNS total responses that were sent per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TOTAL_RESPONSE_SENT_SEC or DNSRSTR (historical name), DNS Total Response Sent sec (caption), K3Z_DNS_Total_Response_Sent_sec (attribute name), and DNSRSTR (column name).

DNS Transfer Failures Percent
The percent of transfer failures compared to total transfers. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_TRANSFER_FAILURES_PERCENT or DNSTFFP (historical name), DNS Transfer Failures Percent (caption), K3Z_DNS_Transfer_Failures_Percent (attribute name), and DNSTFFP (column name).

DNS UDP Message Memory KB
The total UDP message memory used by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_UDP_MESSAGE_MEMORY_KB or DNSUDPMM (historical name), DNS UDP Message Memory KB (caption), K3Z_DNS_UDP_Message_Memory_KB (attribute name), and DNSUDPMM (column name).

DNS UDP Query Received
The total number of UDP queries received by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_UDP_QUERY_RECEIVED or DNSUDPQR (historical name), DNS UDP Query Received (caption), K3Z_DNS_UDP_Query_Received (attribute name), and DNSUDPQR (column name).

DNS UDP Query Received sec
The average number of UDP queries received by DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_UDP_QUERY_RECEIVED_SEC or DNSUDPQS (historical name), DNS UDP Query Received sec (caption), K3Z_DNS_UDP_Query_Received_sec (attribute name), and DNSUDPQS (column name).

DNS UDP Response Sent
The total number of UDP responses sent by DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_UDP_RESPONSE_SENT or DNSUDPRS (historical name), DNS UDP Response Sent (caption), K3Z_DNS_UDP_Response_Sent (attribute name), and DNSUDPRS (column name).

DNS UDP Response Sent sec
The average number of UDP responses sent by DNS server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_UDP_RESPONSE_SENT_SEC or DNSUDPRES (historical name), DNS UDP Response Sent sec (caption), K3Z_DNS_UDP_Response_Sent_sec (attribute name), and DNSUDPRES (column name).

DNS WINS Lookup Received
The total number of WINS lookup requests received by the server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_LOOKUP_RECEIVED or DNSWNLR (historical name), DNS WINS Lookup Received (caption), K3Z_DNS_WINS_Lookup_Received (attribute name), and DNSWNLR (column name).

DNS WINS Lookup Received sec
The average number of WINS lookup requests received by the server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_LOOKUP_RECEIVED_SEC or DNSWNLRS (historical name), DNS WINS Lookup Received sec (caption), K3Z_DNS_WINS_Lookup_Received_sec (attribute name), and DNSWNLRS (column name).

DNS WINS Response Sent
The total number of WINS lookup responses sent by the server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_RESPONSE_SENT or DNSWNRS (historical name), DNS WINS Response Sent (caption), K3Z_DNS_WINS_Response_Sent (attribute name), and DNSWNRS (column name).

DNS WINS Response Sent sec
The average number of WINS lookup responses sent by the server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_RESPONSE_SENT_SEC or DNSWNRSS (historical name), DNS WINS Response Sent sec (caption), K3Z_DNS_WINS_Response_Sent_sec (attribute name), and DNSWNRSS (column name).

DNS WINS Reverse Lookup Received
The total number of WINS reverse lookup requests received by the server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_REVERSE_LOOKUP_RECEIVED or DNSWRLR (historical name), DNS WINS Reverse Lookup Received (caption), K3Z_DNS_WINS_Reverse_Lookup_Received (attribute name), and DNSWRLR (column name).

DNS WINS Reverse Lookup Received sec
The average number of WINS reverse lookup requests received by the server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_REVERSE_LOOKUP_RECEIVED_SEC or DNSWRLRS (historical name), DNS WINS Reverse Lookup Received sec (caption), K3Z_DNS_WINS_Reverse_Lookup_Received_sec (attribute name), and DNSWRLRS (column name).

DNS WINS Reverse Response Sent
The total number of WINS Reverse lookup responses sent by the server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_REVERSE_RESPONSE_SENT or DNSWRRS (historical name), DNS WINS Reverse Response Sent (caption), K3Z_DNS_WINS_Reverse_Response_Sent (attribute name), and DNSWRRS (column name).

DNS WINS Reverse Response Sent sec
The average number of WINS Reverse lookup responses sent by the server in each second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_WINS_REVERSE_RESPONSE_SENT_SEC or DNSWRRSS (historical name), DNS WINS Reverse Response Sent sec (caption), K3Z_DNS_WINS_Reverse_Response_Sent_sec (attribute name), and DNSWRRSS (column name).

DNS Zone Transfer Failure
DNS zone transfer failures. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_ZONE_TRANSFER_FAILURE or DNSZTF (historical name), DNS Zone Transfer Failure (caption), K3Z_DNS_Zone_Transfer_Failure (attribute name), and DNSZTF (column name).

DNS Zone Transfer Failure Delta
DNS zone transfers that failed since the last poll was taken. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_ZONE_TRANSFER_FAILURE_DELTA or DNSZTFD (historical name), DNS Zone Transfer Failure Delta (caption), K3Z_DNS_Zone_Transfer_Failure_Delta (attribute name), and DNSZTFD (column name).

DNS Zone Transfer Request Received
DNS zone transfer requests received. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_ZONE_TRANSFER_REQUEST_RECEIVED or DNSZTR (historical name), DNS Zone Transfer Request Received (caption), K3Z_DNS_Zone_Transfer_Request_Received (attribute name), and DNSZTR (column name).

DNS Zone Transfer Request Received Delta
DNS zone transfer requests that were received since the last poll was taken. Attributes based on previous values are valid for eventing thresholds only. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_ZONE_TRANSFER_REQUEST_RECEIVED_DELTA or DNSZTRD (historical name), DNS Zone Transfer Request Received Delta (caption), K3Z_DNS_Zone_Transfer_Request_Received_Delta (attribute name), and DNSZTRD (column name).

DNS Zone Transfer SOA Request Sent
The total number of zone transfer SOA requests sent by the secondary DNS server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_ZONE_TRANSFER_SOA_REQUEST_SENT or DNSZTRRQ (historical name), DNS Zone Transfer SOA Request Sent (caption), K3Z_DNS_Zone_Transfer_SOA_Request_Sent (attribute name), and DNSZTRRQ (column name).

DNS Zone Transfer Success
Successful DNS zone transfers. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DNS_ZONE_TRANSFER_SUCCESS or DNSZTS (historical name), DNS Zone Transfer Success (caption), K3Z_DNS_Zone_Transfer_Success (attribute name), and DNSZTS (column name).

DNS Zone Transfer Success Delta
Successful DNS zone transfers since the last poll was taken. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DNS_ZONE_TRANSFER_SUCCESS_DELTA or DNSZTSD (historical name), DNS Zone Transfer Success Delta (caption), K3Z_DNS_Zone_Transfer_Success_Delta (attribute name), and DNSZTSD (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Domain Controller Availability data set

The Domain Controller Availability attributes display domain controller availability information. This data set has the option to cache the data it collects for some configurable period. This data set is configured for

historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

DCA Bind Infrastructure Master

The current bind status of the infrastructure master. The bind status can be Success, Failure, or Not Available. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Success (1), Failure (0), Not Available (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_BIND_INFRASTRUCTURE_MASTER or DCAINFB (historical name), *DCA Bind Infrastructure Master* (caption), K3Z_DCA_Bind_Infrastructure_Master (attribute name), and DCAINFB (column name).

DCA Bind RID Master

The current bind status of the relative ID (RID) master. The bind status can be Success, Failure, or Not Available. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Success (1), Failure (0), Not Available (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_BIND_RID_MASTER or DCARIDB (historical name), *DCA Bind RID Master* (caption), K3Z_DCA_Bind_RID_Master (attribute name), and DCARIDB (column name).

DCA Bind Schema Master

The current bind status of the schema master. The bind status can be Success, Failure, or Not Available. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Success (1), Failure (0), Not Available (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_BIND_SCHEMA_MASTER or DCASCHB (historical name), *DCA Bind Schema Master* (caption), K3Z_DCA_Bind_Schema_Master (attribute name), and DCASCHB (column name).

DCA Bind Domain Naming Master

The current bind status of the domain naming master. The bind status can be Success, Failure, or Not Available. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Success (1), Failure (0), Not Available (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_BIND_DOMAIN_NAMING_MASTER or DCADNB (historical name), *DCA Bind Domain Naming Master* (caption), K3Z_DCA_Bind_Domain_Naming_Master (attribute name), and DCADNB (column name).

DCA Bind PDC Master

The current bind status of the primary domain controller (PDC) master. The bind status can be Success, Failure, or Not Available. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Success (1), Failure (0), Not Available (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_BIND_PDC_MASTER or DCAPDCB (historical name), *DCA Bind PDC Master* (caption), K3Z_DCA_Bind_PDC_Master (attribute name), and DCAPDCB (column name).

DCA Ping Domain Naming Master

The ping time for domain naming master. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Timed Out (-2), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_PING_DOMAIN_NAMING_MASTER or DCADNP (historical name), *DCA Ping Domain Naming Master* (caption), K3Z_DCA_Ping_Domain_Naming_Master (attribute name), and DCADNP (column name).

DCA Ping Infrastructure Master

The ping time for infrastructure master. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Timed Out (-2), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_PING_INFRASTRUCTURE_MASTER or DCAINFP (historical name), *DCA Ping Infrastructure Master* (caption), K3Z_DCA_Ping_Infrastructure_Master (attribute name), and DCAINFP (column name).

DCA Ping PDC Master

The ping time for PDC master. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Timed Out (-2), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_PING_PDC_MASTER or DCAPDCP (historical name), *DCA Ping PDC Master* (caption), K3Z_DCA_Ping_PDC_Master (attribute name), and DCAPDCP (column name).

DCA Ping RID Master

The ping time for RID master. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Timed Out (-2), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_PING_RID_MASTER or DCARIDP (historical name), *DCA Ping RID Master* (caption), K3Z_DCA_Ping_RID_Master (attribute name), and DCARIDP (column name).

DCA Ping Schema Master

The ping time for schema master. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Timed Out (-2), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_PING_SCHEMA_MASTER or DCASCHP (historical name), *DCA Ping Schema Master* (caption), K3Z_DCA_Ping_Schema_Master (attribute name), and DCASCHP (column name).

DCA Time Difference(Superseded)

The time on the domain controller where the agent is installed minus the time on the computer (in the same domain) where the gtimserv flag is set. If the domain controller cannot find the good time server in the domain, then the time difference is calculated from the preferred good time server, which is the PDC of the root domain. To ensure that the time difference is calculated correctly, Windows Time service must run on the domain controller where the agent is installed and on the time server that is used to calculate the DCA Time Difference attribute value. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Behind 24 Days (-2073601000), Ahead 24 Days (2073601000), Time Error (2073602000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_TIME_DIFFERENCE or DCATD (historical name), *DCA Time Difference(Superseded)* (caption), K3Z_DCA_Time_Difference (attribute name), and DCATD (column name).

DCA Time Difference

The difference between the time on the domain controller where the agent is installed and the time on the computer (in the same domain) where the gtimserv flag is set. If the domain controller cannot find the good time server in the domain, then the time difference is calculated from the preferred good time server, which is the PDC of the root domain. To ensure that the time difference is calculated correctly, Windows Time service must run on the domain controller where the agent is installed and on the time server that is used to calculate the DCA Time Difference attribute value. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Behind 24 Days

(-2073601000), Ahead 24 Days (2073601000), Time Error (2073602000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_TIME_DIFFERENCE_V630 or DCATDMS (historical name), *DCA Time Difference* (caption), K3Z_DCA_Time_Difference_v630 (attribute name), and DCATDMS (column name).

DCA Time Server Name
The name of the good time server or the preferred good time server. Good time server is the server on which the gtimeserv flag is set, and the preferred good time server is the PDC of the domain. The type is string with enumerated values. The following values are defined: Not Available (Not_Available). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_TIME_SERVER_NAME or DCARTS (historical name), *DCA Time Server Name* (caption), K3Z_DCA_Time_Server_Name (attribute name), and DCARTS (column name).

DCA Time Server time
The system time of good time server. The type is timestamp with enumerated values. The following values are defined: Not Available (-2), N/A (0000000000000001), N/C (0000000000000002), N/P (0000000000000003). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_TIME_SERVER_TIME or DCATST (historical name), *DCA Time Server time* (caption), K3Z_DCA_Time_Server_time (attribute name), and DCATST (column name).

DCA Time Server Type
Specifies whether the type of time server is a good time server or a preferred good time server. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Good Time Server (1), Preferred Good Time Server (0), Not Available (-1), No data available (-4). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_TIME_SERVER_TYPE or DCARTST (historical name), *DCA Time Server Type* (caption), K3Z_DCA_Time_Server_Type (attribute name), and DCARTST (column name).

DCA Virtual Domain Controller
Specifies domain controller is a virtual domain controller. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Yes (1), No (0). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_IS_VIRTUAL_DOMAIN_CONTROLLER or DCAIVDC (historical name), *DCA Virtual Domain Controller* (caption), K3Z_DCA_Is_Virtual_Domain_Controller (attribute name), and DCAIVDC (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

DCA DCs In Site
The number of domain controller servers in the local site. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCA_DCS_IN_SITE or DCASDC (historical name), DCA DCs In Site (caption), K3Z_DCA_DCs_In_Site (attribute name), and DCASDC (column name).

DCA DCs In Site Bind
The number of domain controller servers that can bind in the local site. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCA_DCS_IN_SITE_BIND or DCASDCB (historical name), DCA DCs In Site Bind (caption), K3Z_DCA_DCs_In_Site_Bind (attribute name), and DCASDCB (column name).

DCA Domain Name
Default domain name associated with this server. The type is string.

The following names are defined for this attribute: K3Z_DCA_DOMAIN_NAME or DCADOM (historical name), DCA Domain Name (caption), K3Z_DCA_Domain_Name (attribute name), and DCADOM (column name).

DCA Domain Naming Master
The Domain Naming Master that is defined in the domain. The type is string.

The following names are defined for this attribute: K3Z_DCA_DOMAIN_NAMING_MASTER or DCADN (historical name), DCA Domain Naming Master (caption), K3Z_DCA_Domain_Naming_Master (attribute name), and DCADN (column name).

DCA Domain Naming Master Bind Time
The time (in milliseconds) that is required to bind the Domain Naming Master. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_DOMAIN_NAMING_MASTER_BIND_TIME or DCADNBT (historical name), DCA Domain Naming Master Bind Time (caption), K3Z_DCA_Domain_Naming_Master_Bind_Time (attribute name), and DCADNBT (column name).

DCA Forest Name
Forest name associated with this server. The type is string.

The following names are defined for this attribute: K3Z_DCA_FOREST_NAME or DCAFST (historical name), DCA Forest Name (caption), K3Z_DCA_Forest_Name (attribute name), and DCAFST (column name).

DCA FSMO Role
The FSMO role, if any, for the current DC. The type is string with enumerated values. The following values are defined: Domain Naming (Domain_Naming), RID Pool (RID_Pool), Infrastructure (Infrastructure), Schema (Schema), PDC (PDC), none (none). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_FSMO_ROLE or DCAFSMO (historical name), DCA FSMO Role (caption), K3Z_DCA_FSMO_Role (attribute name), and DCAFSMO (column name).

DCA GCs
The defined number of Global Catalog servers. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCA_GCS or DCAGC (historical name), DCA GCs (caption), K3Z_DCA_GCs (attribute name), and DCAGC (column name).

DCA GCs Bind
The number of Global Catalog servers that are bounded. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_GCS_BIND or DCAGCB (historical name), DCA GCs Bind (caption), K3Z_DCA_GCs_Bind (attribute name), and DCAGCB (column name).

DCA GCs In Site
The number of Global Catalog servers defined in the local site. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCA_GCS_IN_SITE or DCASGC (historical name), DCA GCs In Site (caption), K3Z_DCA_GCs_In_Site (attribute name), and DCASGC (column name).

DCA GCs In Site Bind
The number of Global Catalog servers that can bind in the local site. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_GCS_IN_SITE_BIND or DCASGCB (historical name), DCA GCs In Site Bind (caption), K3Z_DCA_GCs_In_Site_Bind (attribute name), and DCASGCB (column name).

DCA GCs In Site Pinged
The number of pinged Global Catalog servers in the local site. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_GCS_IN_SITE_PINGED or DCASGCP (historical name), DCA GCs In Site Pinged (caption), K3Z_DCA_GCs_In_Site_Pinged (attribute name), and DCASGCP (column name).

DCA GCs Pinged
The number of pinged Global Catalog servers. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_GCS_PINGED or DCAGCP (historical name), DCA GCs Pinged (caption), K3Z_DCA_GCs_Pinged (attribute name), and DCAGCP (column name).

DCA Global Catalog Server
Specifies whether this domain controller is a global catalog server. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_GLOBAL_CATALOG_SERVER or DCAGCS (historical name), DCA Global Catalog Server (caption), K3Z_DCA_Global_Catalog_Server (attribute name), and DCAGCS (column name).

DCA Hostname
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_DCA_HOSTNAME_V630 or DCAHNLI (historical name), DCA Hostname (caption), K3Z_DCA_Hostname_v630 (attribute name), and DCAHNLI (column name).

DCA Hostname(Superseded)
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_DCA_HOSTNAME or DCAHN (historical name), DCA Hostname(Superseded) (caption), K3Z_DCA_Hostname (attribute name), and DCAHN (column name).

DCA Infrastructure Master
The Infrastructure Master that is defined in the domain. The type is string.

The following names are defined for this attribute: K3Z_DCA_INFRASTRUCTURE_MASTER or DCAINF (historical name), DCA Infrastructure Master (caption), K3Z_DCA_Infrastructure_Master (attribute name), and DCAINF (column name).

DCA Infrastructure Master Bind Time
The time (in milliseconds) that is required to bind the Infrastructure Master to the domain. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_INFRASTRUCTURE_MASTER_BIND_TIME or DCAINFBT (historical name), DCA Infrastructure Master Bind Time (caption), K3Z_DCA_Infrastructure_Master_Bind_Time (attribute name), and DCAINFBT (column name).

DCA LDAP Port Number
The port number used in Active directory. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCA_LDAP_PORT_NUMBER or DCAAPN (historical name), DCA LDAP Port Number (caption), K3Z_DCA_LDAP_Port_Number (attribute name), and DCAAPN (column name).

DCA PDC Master
The PDC Master that is defined in the domain. The type is string.

The following names are defined for this attribute: K3Z_DCA_PDC_MASTER or DCAPDC (historical name), DCA PDC Master (caption), K3Z_DCA_PDC_Master (attribute name), and DCAPDC (column name).

DCA PDC Master Bind Time
The time (in milliseconds) that is required to bind the PDC Master to the domain. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_PDC_MASTER_BIND_TIME or DCAPDCBT (historical name), DCA PDC Master Bind Time (caption), K3Z_DCA_PDC_Master_Bind_Time (attribute name), and DCAPDCBT (column name).

DCA Prev Domain Naming Master
The previously defined Domain Naming Master. The type is string.

The following names are defined for this attribute: K3Z_DCA_PREV_DOMAIN_NAMING_MASTER or DCAPDN (historical name), DCA Prev Domain Naming Master (caption), K3Z_DCA_Prev_Domain_Naming_Master (attribute name), and DCAPDN (column name).

DCA Prev Infrastructure Master
The previously defined Infrastructure Master. The type is string.

The following names are defined for this attribute: K3Z_DCA_PREV_INFRASTRUCTURE_MASTER or DCAPINF (historical name), DCA Prev Infrastructure Master (caption), K3Z_DCA_Prev_Infrastructure_Master (attribute name), and DCAPINF (column name).

DCA Prev PDC Master
The previously defined PDC Master. The type is string.

The following names are defined for this attribute: K3Z_DCA_PREV_PDC_MASTER or DCAPPDC (historical name), DCA Prev PDC Master (caption), K3Z_DCA_Prev_PDC_Master (attribute name), and DCAPPDC (column name).

DCA Prev RID Master
The previously defined RID Master. The type is string.

The following names are defined for this attribute: K3Z_DCA_PREV_RID_MASTER or DCAPRID (historical name), DCA Prev RID Master (caption), K3Z_DCA_Prev_RID_Master (attribute name), and DCAPRID (column name).

DCA Prev Schema Master
The previously defined Schema Master. The type is string.

The following names are defined for this attribute: K3Z_DCA_PREV_SCHEMA_MASTER or DCAPSCH (historical name), DCA Prev Schema Master (caption), K3Z_DCA_Prev_Schema_Master (attribute name), and DCAPSCH (column name).

DCA Repl Partners
The assigned number of replication partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCA_REPL_PARTNERS or DCARPP (historical name), DCA Repl Partners (caption), K3Z_DCA_Repl_Partners (attribute name), and DCARPP (column name).

DCA Repl Partners Pinged
The pinged number of replication partners. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_REPL_PARTNERS_PINGED or DCARPPP (historical name), DCA Repl Partners Pinged (caption), K3Z_DCA_Repl_Partners_Pinged (attribute name), and DCARPPP (column name).

DCA RID Master
The RID Master that is defined in the domain. The type is string.

The following names are defined for this attribute: K3Z_DCA_RID_MASTER or DCARID (historical name), DCA RID Master (caption), K3Z_DCA_RID_Master (attribute name), and DCARID (column name).

DCA RID Master Bind Time
The time (in milliseconds) that is required to bind the RID Master to the domain. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_RID_MASTER_BIND_TIME or DCARIDBT (historical name), DCA RID Master Bind Time (caption), K3Z_DCA_RID_Master_Bind_Time (attribute name), and DCARIDBT (column name).

DCA Schema Master
The Schema Master that is defined in the domain. The type is string.

The following names are defined for this attribute: K3Z_DCA_SCHEMA_MASTER or DCASCH (historical name), DCA Schema Master (caption), K3Z_DCA_Schema_Master (attribute name), and DCASCH (column name).

DCA Schema Master Bind Time
The time (in milliseconds) that is required to bind the Schema Master to the domain. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), Ping Disabled (-3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCA_SCHEMA_MASTER_BIND_TIME or DCASCHBT (historical name), DCA Schema Master Bind Time (caption), K3Z_DCA_Schema_Master_Bind_Time (attribute name), and DCASCHBT (column name).

DCA Site Name
The local site name. The type is string.

The following names are defined for this attribute: K3Z_DCA_SITE_NAME or DCASITE (historical name), DCA Site Name (caption), K3Z_DCA_Site_Name (attribute name), and DCASITE (column name).

Domain Controller Performance data set

The Domain Controller Performance attributes display domain controller performance information. This data set has the option to cache the data it collects for some configurable period. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

DCP Cache Page Fault Stalls Sec
The number of page faults per second that cannot be serviced because pages are not available for allocation from the database cache. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_CACHE_PAGE_FAULT_STALLS_SEC or DCPCAPFS (historical name), *DCP Cache Page Fault Stalls Sec* (caption), K3Z_DCP_Cache_Page_Fault_Stalls_Sec (attribute name), and DCPCAPFS (column name).

DCP Cache Page Faults Sec
The number of page faults that occurred per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_CACHE_PAGE_FAULTS_SEC or DCPCAPF (historical name), *DCP Cache Page Faults Sec* (caption), K3Z_DCP_Cache_Page_Faults_Sec (attribute name), and DCPCAPF (column name).

DCP Cache Pct Hit
The percentage ratio of cache hits to total cache requests. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_CACHE_PCT_HIT or DCPCAHP (historical name), *DCP Cache Pct Hit* (caption), K3Z_DCP_Cache_Pct_Hit (attribute name), and DCPCAHP (column name).

DCP KB Cache Size
The size in KB of schema cache. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_KB_CACHE_SIZE or DCPCASZ (historical name), *DCP KB Cache Size* (caption), K3Z_DCP_KB_Cache_Size (attribute name), and DCPCASZ (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

DCP Cache Pct Miss
The percentage ratio of cache Miss to total cache requests. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_CACHE_PCT_MISS or DCPCAHPM (historical name), DCP Cache Pct Miss (caption), K3Z_DCP_Cache_Pct_Miss (attribute name), and DCPCAHPM (column name).

DCP Database Cache Percent Available
The percentage of the database cache that can be allocated to the pages that are newly created or that are read from the database files. This attribute is available for Windows 2012. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_DATABASE_CACHE_PERCENT_AVAILABLE or DCPDCPA (historical name), DCP Database Cache Percent Available (caption), K3Z_DCP_Database_Cache_Percent_Available (attribute name), and DCPDCPA (column name).

DCP Database Pages Written Per sec
The rate at which database pages are written to the database files from the database cache. This attribute is available for Windows 2012. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_DATABASE_PAGES_WRITTEN_PER_SEC or DCPDPWPS (historical name), DCP Database Pages Written Per sec (caption), K3Z_DCP_Database_Pages_Written_Per_sec (attribute name), and DCPDPWPS (column name).

DCP DB Page Evictions sec
The rate that database file page requests that require the database cache manager to allocate a new page from the database cache force another database page out of the cache. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_DB_PAGE_EVICTIONS_SEC or DCPDBEV (historical name), DCP DB Page Evictions sec (caption), K3Z_DCP_DB_Page_Evictions_sec (attribute name), and DCPDBEV (column name).

DCP DSA Connections
The number of directory service agent (DSA) Connections. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_DSA_CONNECTIONS or DCPDSACON (historical name), DCP DSA Connections (caption), K3Z_DCP_DSA_Connections (attribute name), and DCPDSACON (column name).

DCP File Bytes Read Sec
The rate of file bytes read, per second. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_FILE_BYTES_READ_SEC or DCPBYR (historical name), DCP File Bytes Read Sec (caption), K3Z_DCP_File_Bytes_Read_Sec (attribute name), and DCPBYR (column name).

DCP File Bytes Written Sec
The rate of file bytes written, per second. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_FILE_BYTES_WRITTEN_SEC or DCPBYW (historical name), DCP File Bytes Written Sec (caption), K3Z_DCP_File_Bytes_Written_Sec (attribute name), and DCPBYW (column name).

DCP File Operations Sec
The rate of file operations, per second. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_FILE_OPERATIONS_SEC or DCPOP (historical name), DCP File Operations Sec (caption), K3Z_DCP_File_Operations_Sec (attribute name), and DCPOP (column name).

DCP Heap Allocations
The current number of memory allocations in the MP heaps. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_HEAP_ALLOCATIONS or DCPHA (historical name), DCP Heap Allocations (caption), K3Z_DCP_Heap_Allocations (attribute name), and DCPHA (column name).

DCP Heap Allocs Per sec
The number of operations that the MP heap currently performs to allocate memory per second. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_HEAP_ALLOCS_PER_SEC or DCPHAPS (historical name), DCP Heap Allocs Per sec (caption), K3Z_DCP_Heap_Allocs_Per_sec (attribute name), and DCPHAPS (column name).

DCP Heap Bytes Allocated

The size of all memory allocations (in bytes) in the MP heap minus the overhead on heap memory allocations. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_HEAP_BYTES_ALLOCATED or DCPHBA (historical name), DCP Heap Bytes Allocated (caption), K3Z_DCP_Heap_Bytes_Allocated (attribute name), and DCPHBA (column name).

DCP Heap Frees Per sec

The number of operations that the MP heap currently performs to release memory per second. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_HEAP_FREES_PER_SEC or DCPHFPS (historical name), DCP Heap Frees Per sec (caption), K3Z_DCP_Heap_Frees_Per_sec (attribute name), and DCPHFPS (column name).

DCP IO Database Reads In Heap

The number of database read operations that are currently queued in the I/O heap of the database engine. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_DATABASE_READS_IN_HEAP or DCPIODRH (historical name), DCP IO Database Reads In Heap (caption), K3Z_DCP_IO_Database_Reads_In_Heap (attribute name), and DCPIODRH (column name).

DCP IO Database Writes In Heap

The number of database write operations that are currently queued in the I/O heap of the database engine. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_DATABASE_WRITES_IN_HEAP or DCPIODWH (historical name), DCP IO Database Writes In Heap (caption), K3Z_DCP_IO_Database_Writes_In_Heap (attribute name), and DCPIODWH (column name).

DCP IO DB Reads Average Latency

The average length of time, in milliseconds, per database read operation. The average length of time, in milliseconds, per database read operation. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_DB_READS_AVERAGE_LATENCY or DCPDRAL (historical name), DCP IO DB Reads Average Latency (caption), K3Z_DCP_IO_DB_Reads_Average_Latency (attribute name), and DCPDRAL (column name).

DCP IO DB Reads sec

The rate of database read operations completed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_DB_READS_SEC or DCPDBRS (historical name), DCP IO DB Reads sec (caption), K3Z_DCP_IO_DB_Reads_sec (attribute name), and DCPDBRS (column name).

DCP IO DB Writes Average Latency
The average length of time, in milliseconds, per database write operation. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_DB_WRITES_AVERAGE_LATENCY or DCPDWAL (historical name), DCP IO DB Writes Average Latency (caption), K3Z_DCP_IO_DB_Writes_Average_Latency (attribute name), and DCPDWAL (column name).

DCP IO DB Writes sec
The rate of database write operations completed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_DB_WRITES_SEC or DCPDBWR (historical name), DCP IO DB Writes sec (caption), K3Z_DCP_IO_DB_Writes_sec (attribute name), and DCPDBWR (column name).

DCP IO Log Reads Average Latency
The average duration (in milliseconds) that is taken by every log read operation. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_LOG_READS_AVERAGE_LATENCY or DCPIOLRAL (historical name), DCP IO Log Reads Average Latency (caption), K3Z_DCP_IO_Log_Reads_Average_Latency (attribute name), and DCPIOLRAL (column name).

DCP IO Log Reads In Heap
The number of log read operations that are currently queued in the I/O heap of the database engine. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_LOG_READS_IN_HEAP or DCPIOLRH (historical name), DCP IO Log Reads In Heap (caption), K3Z_DCP_IO_Log_Reads_In_Heap (attribute name), and DCPIOLRH (column name).

DCP IO Log Reads sec
The rate of logfile read operations completed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_LOG_READS_SEC or DCPLGRS (historical name), DCP IO Log Reads sec (caption), K3Z_DCP_IO_Log_Reads_sec (attribute name), and DCPLGRS (column name).

DCP IO Log Writes Average Latency
The average length of time, in milliseconds, per logfile write operation. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_LOG_WRITES_AVERAGE_LATENCY or DCPLGAL (historical name), DCP IO Log Writes Average Latency (caption), K3Z_DCP_IO_Log_Writes_Average_Latency (attribute name), and DCPLGAL (column name).

DCP IO Log Writes In Heap
The number of log write operations that are currently queued in the I/O heap of the database engine. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_LOG_WRITES_IN_HEAP or DCPIOLWH (historical name), DCP IO Log Writes In Heap (caption), K3Z_DCP_IO_Log_Writes_In_Heap (attribute name), and DCPIOLWH (column name).

DCP IO Log Writes sec
The rate of logfile write operations completed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_IO_LOG_WRITES_SEC or DCPLGWS (historical name), DCP IO Log Writes sec (caption), K3Z_DCP_IO_Log_Writes_sec (attribute name), and DCPLGWS (column name).

DCP Log Bytes Write sec
The rate bytes are written to the log. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_LOG_BYTES_WRITE_SEC or DCPLWS (historical name), DCP Log Bytes Write sec (caption), K3Z_DCP_Log_Bytes_Write_sec (attribute name), and DCPLWS (column name).

DCP Log Record Stalls Sec
The rate of log record stalls, per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_LOG_RECORD_STALLS_SEC or DCPLRS (historical name), DCP Log Record Stalls Sec (caption), K3Z_DCP_Log_Record_Stalls_Sec (attribute name), and DCPLRS (column name).

DCP Log Threads Waiting
The number of Log Threads Waiting for log access. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_LOG_THREADS_WAITING or DCPLTW (historical name), DCP Log Threads Waiting (caption), K3Z_DCP_Log_Threads_Waiting (attribute name), and DCPLTW (column name).

DCP Log Writes Sec
The number of instances (per second) that the log buffers are written to the log file(s). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_LOG_WRITES_SEC or DCPLOGWR (historical name), DCP Log Writes Sec (caption), K3Z_DCP_Log_Writes_Sec (attribute name), and DCPLOGWR (column name).

DCP Page Bytes Committed
The amount of the virtual memory (in bytes) that is committed. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_PAGE_BYTES_COMMITTED or DCPPBC (historical name), DCP Page Bytes Committed (caption), K3Z_DCP_Page_Bytes_Committed (attribute name), and DCPPBC (column name).

DCP Page Bytes Reserved
The amount of virtual address space (in bytes) that is reserved. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_PAGE_BYTES_RESERVED or DCPPBR (historical name), DCP Page Bytes Reserved (caption), K3Z_DCP_Page_Bytes_Reserved (attribute name), and DCPPBR (column name).

DCP Pages Converted
The count of database pages that have been converted from an older format. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_PAGES_CONVERTED or DCPPGC (historical name), DCP Pages Converted (caption), K3Z_DCP_Pages_Converted (attribute name), and DCPPGC (column name).

DCP Pages Converted sec
The count of times per second a database page is converted from an older database format. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_PAGES_CONVERTED_SEC or DCPPGCS (historical name), DCP Pages Converted sec (caption), K3Z_DCP_Pages_Converted_sec (attribute name), and DCPPGCS (column name).

DCP Record Deletes Per sec
The rate at which records in the database tables are currently being marked for deletion. This attribute is available for Windows 2012. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_RECORD_DELETES_PER_SEC or DCPRDPS (historical name), DCP Record Deletes Per sec (caption), K3Z_DCP_Record_Deletes_Per_sec (attribute name), and DCPRDPS (column name).

DCP Record Inserts Per sec
The rate at which records are currently being inserted in the database tables. This attribute is available for Windows 2012. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_RECORD_INSERTS_PER_SEC or DCPRIPS (historical name), DCP Record Inserts Per sec (caption), K3Z_DCP_Record_Inserts_Per_sec (attribute name), and DCPRIPS (column name).

DCP Record Replaces Per sec
The rate at which records in the database tables are currently updated. This attribute is available for Windows 2012. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_RECORD_REPLACES_PER_SEC or DCPRRPS (historical name), DCP Record Replaces Per sec (caption), K3Z_DCP_Record_Replaces_Per_sec (attribute name), and DCPRRPS (column name).

DCP Records Converted
The count of database records that have been converted from an older format. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_RECORDS_CONVERTED or DCPRCC (historical name), DCP Records Converted (caption), K3Z_DCP_Records_Converted (attribute name), and DCPRCC (column name).

DCP Records Converted sec
The count of times per second a database record is converted from an older database format. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_RECORDS_CONVERTED_SEC or DCPRCCS (historical name), DCP Records Converted sec (caption), K3Z_DCP_Records_Converted_sec (attribute name), and DCPRCCS (column name).

DCP Sessions In Use
The number of database sessions currently open for use by client threads. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_SESSIONS_IN_USE or DCPSES (historical name), DCP Sessions In Use (caption), K3Z_DCP_Sessions_In_Use (attribute name), and DCPSES (column name).

DCP Sessions Percent Used
The percentage of database sessions currently open for use by client threads. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_SESSIONS_PERCENT_USED or DCPSESP (historical name), DCP Sessions Percent Used (caption), K3Z_DCP_Sessions_Percent_Used (attribute name), and DCPSESP (column name).

DCP Table Closes Per sec
The current number of database tables that are closed per second. This attribute is available for Windows 2012. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_TABLE_CLOSES_PER_SEC or DCPTCPS (historical name), DCP Table Closes Per sec (caption), K3Z_DCP_Table_Closes_Per_sec (attribute name), and DCPTCPS (column name).

DCP Table Open Cache Hits Sec
The rate of database tables that were opened using cached schema information, per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_TABLE_OPEN_CACHE_HITS_SEC or DCPTCAH (historical name), DCP Table Open Cache Hits Sec (caption), K3Z_DCP_Table_Open_Cache_Hits_Sec (attribute name), and DCPTCAH (column name).

DCP Table Open Cache Misses Sec
The rate of database tables that were opened not using cached schema information, per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_TABLE_OPEN_CACHE_MISSES_SEC or DCPTCAM (historical name), DCP Table Open Cache Misses Sec (caption), K3Z_DCP_Table_Open_Cache_Misses_Sec (attribute name), and DCPTCAM (column name).

DCP Table Open Cache Pct Hit
The percent of database tables that were opened using cached schema information. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_TABLE_OPEN_CACHE_PCT_HIT or DCPTCAHP (historical name), DCP Table Open Cache Pct Hit (caption), K3Z_DCP_Table_Open_Cache_Pct_Hit (attribute name), and DCPTCAHP (column name).

DCP Table Opens Sec
The number of database tables opened per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCP_TABLE_OPENS_SEC or DCPTBOP (historical name), DCP Table Opens Sec (caption), K3Z_DCP_Table_Opens_Sec (attribute name), and DCPTBOP (column name).

DCP Threads Blocked
The number of threads whose execution is currently suspended because a resource that is currently owned by another thread is not yet acquired. This attribute is available for Windows 2012. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_THREADS_BLOCKED or DCPTB (historical name), DCP Threads Blocked (caption), K3Z_DCP_Threads_Blocked (attribute name), and DCPTB (column name).

DCP Threads Blocked Per sec
The rate at which the execution of threads is suspended because a resource that is currently owned by another thread is not yet acquired. This attribute is available for Windows 2012. The type is real number (32-bit gauge) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_THREADS_BLOCKED_PER_SEC or DCPTBPS (historical name), DCP Threads Blocked Per sec (caption), K3Z_DCP_Threads_Blocked_Per_sec (attribute name), and DCPTBPS (column name).

DCP Version Buckets Allocated
Total number of version buckets allocated. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCP_VERSION_BUCKETS_ALLOCATED or DCPVER (historical name), DCP Version Buckets Allocated (caption), K3Z_DCP_Version_Buckets_Allocated (attribute name), and DCPVER (column name).

Domain Controller Replication data set

The Domain Controller replication attributes display the replication information of the domain controllers. The data set contains all replication partners related information. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

DCR Directory Partition
The directory partition for replication. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_DCR_DIRECTORY_PARTITION or DCRDIRLI (historical name), *DCR Directory Partition* (caption), K3Z_DCR_Directory_Partition (attribute name), and DCRDIRLI (column name).

DCR Domain Controller Name
The name of the replication partner domain controller. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_DCR_DOMAIN_CONTROLLER_NAME or DCRDCN (historical name), *DCR Domain Controller Name* (caption), K3Z_DCR_Domain_Controller_Name (attribute name), and DCRDCN (column name).

DCR Last Attempt Time
The last time when the replication was attempted with the replication partner. The type is timestamp.

The following names are defined for this attribute: K3Z_DCR_LAST_ATTEMPT_TIME or DCRATMS (historical name), *DCR Last Attempt Time* (caption), K3Z_DCR_Last_Attempt_Time (attribute name), and DCRATMS (column name).

DCR Last Success Time
The last time when the replication was completed with the replication partner. The type is timestamp.

The following names are defined for this attribute: K3Z_DCR_LAST_SUCCESS_TIME or DCRSTMS (historical name), *DCR Last Success Time* (caption), K3Z_DCR_Last_Success_Time (attribute name), and DCRSTMS (column name).

DCR Replication Failures
The number of replication attempts with the replication partner that failed since the last completed replication. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DCR_REPLICATION_FAILURES or DCRFAIL (historical name), *DCR Replication Failures* (caption), K3Z_DCR_Replication_Failures (attribute name), and DCRFAIL (column name).

DCR Site Name
The name of the local site. The type is string.

The following names are defined for this attribute: K3Z_DCR_SITE_NAME or DCRSITE (historical name), *DCR Site Name* (caption), K3Z_DCR_Site_Name (attribute name), and DCRSITE (column name).

DCR Sysvol Replication Test Start Time
The date and time when the Sysvol replication test was started on the domain controllers. The type is timestamp with enumerated values. The following values are defined: Not Available (-2), N/A (0000000000000001), N/C (0000000000000002), N/P (0000000000000003). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCR_SYSVOL_REPLICATION_TEST_START_TIME or DCRRTST (historical name), *DCR Sysvol Replication Test Start Time* (caption), K3Z_DCR_Sysvol_Replication_Test_Start_Time (attribute name), and DCRRTST (column name).

DCR Sysvol Replication Test Verification Time
The date and time when the results of Sysvol replication test are verified on the domain controllers. The type is timestamp with enumerated values. The following values are defined: Not Available (-2), N/A (0000000000000001), N/C (0000000000000002), N/P (0000000000000003). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCR_SYSVOL_REPLICATION_TEST_VERIFICATION_TIME or DCRRTVT (historical name), *DCR Sysvol Replication Test Verification Time* (caption), K3Z_DCR_Sysvol_Replication_Test_Verification_Time (attribute name), and DCRRTVT (column name).

DCR Sysvol Status
The result of the Sysvol replication test. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Failure (0), Success (1), Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DCR_SYSVOL_STATUS or DCRRS (historical name), *DCR Sysvol Status* (caption), K3Z_DCR_Sysvol_Status (attribute name), and DCRRS (column name).

DCR Time Since Last Successful Replication
The difference between the last replication completion and the replication attempt times. The data type is integer (32-bit gauge). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DCR_TIME_SINCE_LAST_SUCCESSFUL_REPLICATION or DCRTSR (historical name), *DCR Time Since Last Successful Replication* (caption), K3Z_DCR_Time_Since_Last_Successful_Replication (attribute name), and DCRTSR (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Enable Disable Users data set

Displays information related to count of enable and disable users in Active Directory. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Count
Displays total number of users which are enabled or disabled in the Active Directory. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_ENDIS_COUNT or ED_COUNT (historical name), *Count* (caption), K3Z_ENDIS_Count (attribute name), and ED_COUNT (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

User Status
Displays user status(enabled/disabled) in the Active Directory. The type is string.

The following names are defined for this attribute: K3Z_ENDIS_USER_STATUS or USERSTATUS (historical name), *User Status* (caption), K3Z_ENDIS_User_Status (attribute name), and USERSTATUS (column name).

Event Log data set

The Event Log data set contains event log entries that are related to the Directory Services or the Domain Naming System (DNS) Server of the Microsoft Active Directory. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

EVTLOG Category
The category of the event. The type is string.

The following names are defined for this attribute: K3Z_EVTLOG_CATEGORY or EVTCAT (historical name), *EVTLOG Category* (caption), K3Z_EVTLOG_Category (attribute name), and EVTCAT (column name).

EVTLOG Description
The description of the event. The type is string.

The following names are defined for this attribute: K3Z_EVTLOG_DESCRIPTION or EVTMSG (historical name), *EVTLOG Description* (caption), K3Z_EVTLOG_Description (attribute name), and EVTMSG (column name).

EVTLOG Event ID
The event ID. This attribute is a key attribute. The type is integer (32-bit numeric property).

The following names are defined for this attribute: K3Z_EVTLOG_EVENT_ID or EVTID (historical name), *EVTLOG Event ID* (caption), K3Z_EVTLOG_Event_ID (attribute name), and EVTID (column name).

EVTLOG Event Timestamp
The date and time when the event was generated. This attribute is a key attribute. The type is timestamp.

The following names are defined for this attribute: K3Z_EVTLOG_EVENT_TIMESTAMP or EVTTIME (historical name), *EVTLOG Event Timestamp* (caption), K3Z_EVTLOG_Event_Timestamp (attribute name), and EVTTIME (column name).

EVTLOG Log Name
The name of the event log - Directory Services or DNS Server. The type is string.

The following names are defined for this attribute: K3Z_EVTLOG__LOG_NAME or EVTLOGNM (historical name), *EVTLOG Log Name* (caption), K3Z_EVTLOG__Log_Name (attribute name), and EVTLOGNM (column name).

EVTLOG Source
The event source that is defined by the service. The type is string.

The following names are defined for this attribute: K3Z_EVTLOG_SOURCE or EVTSRC (historical name), *EVTLOG Source* (caption), K3Z_EVTLOG_Source (attribute name), and EVTSRC (column name).

EVTLOG Type
The type of the event. Event types can be Error, Warning, or Audit_Failure. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Error (1), Warning (2), Failure Audit (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_EVTLOG_TYPE or EVTTYP (historical name), *EVTLOG Type* (caption), K3Z_EVTLOG_Type (attribute name), and EVTTYP (column name).

EVTLOG User
The user of the service for which the event is generated. The type is string.

The following names are defined for this attribute: K3Z_EVTLOG_USER or EVTUSR (historical name), *EVTLOG User* (caption), K3Z_EVTLOG_User (attribute name), and EVTUSR (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Exchange Directory Services data set

Use the Exchange Directory Services attributes to create eventing thresholds to monitor exchange directory related metrics. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

XDS Client Sessions
The number of connected XDS client sessions. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_XDS_CLIENT_SESSIONS or XDSCLS (historical name), *XDS Client Sessions* (caption), K3Z_XDS_Client_Sessions (attribute name), and XDSCLS (column name).

XDS Reads
The percentage of directory reads from XDS. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_XDS_READS or XDSRDS (historical name), *XDS Reads* (caption), K3Z_XDS_Reads (attribute name), and XDSRDS (column name).

XDS Searches
The percentage of directory searches from XDS. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_XDS_SEARCHES or XDSSRC (historical name), *XDS Searches* (caption), K3Z_XDS_Searches (attribute name), and XDSSRC (column name).

XDS Writes
The percentage of directory writes from XDS. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_XDS_WRITES or XDSWRTS (historical name), *XDS Writes* (caption), K3Z_XDS_Writes (attribute name), and XDSWRTS (column name).

Expiring Certificates data set

Displays the certificates which are going to expire within 90 days. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Certificate Template
Displays the name of the Template used for the certificate. The type is string.

The following names are defined for this attribute: K3Z_CERTIFICATE_TEMPLATE or CERTTEMP (historical name), *Certificate Template* (caption), K3Z_Certificate_Template (attribute name), and CERTTEMP (column name).

Expiry Date
Displays the date on which certificate will expire. The type is string.

The following names are defined for this attribute: K3Z_EXPDATE or EXPDATE (historical name), *Expiry Date* (caption), K3Z_EXPDATE (attribute name), and EXPDATE (column name).

Issued by
Displays the name of the Certification authority which has issued the certificate. The type is string.

The following names are defined for this attribute: K3Z_ISSUED_BY or ISSUEDBY (historical name), *Issued by* (caption), K3Z_Issued_By (attribute name), and ISSUEDBY (column name).

Issued To
Displays the name of AD entity to which the certificate was issued to. The type is string.

The following names are defined for this attribute: K3Z_ISSUED_TO or ISSUEDTO (historical name), *Issued To* (caption), K3Z_Issued_To (attribute name), and ISSUEDTO (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Request ID
Displays the request ID of the issued certificate. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_REQUEST_ID or REQID (historical name), *Request ID* (caption), K3Z_Request_ID (attribute name), and REQID (column name).

Start Date
Displays the date from which the certificate is valid. The type is string.

The following names are defined for this attribute: K3Z_STARTDATE or STARTDATE (historical name), *Start Date* (caption), K3Z_STARTDATE (attribute name), and STARTDATE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

File Replication Service data set

The File Replication Service attributes display file replication service information. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

FRS Authentications in Error
The cumulative number of authentication check failures detected on packets received from any partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_AUTHENTICATIONS_IN_ERROR or FRSAERR (historical name), *FRS Authentications in Error* (caption), K3Z_FRS_Authentications_in_Error (attribute name), and FRSAERR (column name).

FRS Authentications
The number of successful authentication checks made on packets received from any partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_AUTHENTICATIONS or FRSAUT (historical name), *FRS Authentications* (caption), K3Z_FRS_Authentications (attribute name), and FRSAUT (column name).

FRS Bindings in Error

The cumulative number of unsuccessful RPC bind requests to the FRS server on any partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_BINDINGS_IN_ERROR or FRSBDER (historical name), *FRS Bindings in Error* (caption), K3Z_FRS_Bindings_in_Error (attribute name), and FRSBDER (column name).

FRS Bindings

The number of successful RPC bind requests to the FRS server on any partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_BINDINGS or FRSBIND (historical name), *FRS Bindings* (caption), K3Z_FRS_Bindings (attribute name), and FRSBIND (column name).

FRS Bytes of Files Installed

The total number of bytes of staging file data that have been installed on this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_BYTES_OF_FILES_INSTALLED or FRSFLIN (historical name), *FRS Bytes of Files Installed* (caption), K3Z_FRS_Bytes_of_Files_Installed (attribute name), and FRSFLIN (column name).

FRS Change Orders Aborted Percent

The percent of ended change orders. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_ABORTED_PERCENT or FRSCOAP (historical name), *FRS Change Orders Aborted Percent* (caption), K3Z_FRS_Change_Orders_Aborted_Percent (attribute name), and FRSCOAP (column name).

FRS Change Orders Aborted

The number of ended change orders. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_ABORTED or FRSCOA (historical name), *FRS Change Orders Aborted* (caption), K3Z_FRS_Change_Orders_Aborted (attribute name), and FRSCOA (column name).

FRS Change Orders Evaporated Percent

The percent of evaporated change orders. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_EVAPORATED_PERCENT or FRSCOEP (historical name), *FRS Change Orders Evaporated Percent* (caption), K3Z_FRS_Change_Orders_Evaporated_Percent (attribute name), and FRSCOEP (column name).

FRS Change Orders Evaporated

The number of evaporated change orders. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_EVAPORATED or FRSCOE (historical name), *FRS Change Orders Evaporated* (caption), K3Z_FRS_Change_Orders_Evaporated (attribute name), and FRSCOE (column name).

FRS Change Orders Issued

The number of local plus remote file updates initiated on this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_ISSUED or FRSCHIS (historical name), *FRS Change Orders Issued* (caption), K3Z_FRS_Change_Orders_Issued (attribute name), and FRSCHIS (column name).

FRS Change Orders Morphed Percent

The percent of morphed change orders. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_MORPHED_PERCENT or FRSCOMP (historical name), *FRS Change Orders Morphed Percent* (caption), K3Z_FRS_Change_Orders_Morphed_Percent (attribute name), and FRSCOMP (column name).

FRS Change Orders Morphed
The number of morphed change orders. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_MORPHED or FRSCOM (historical name), *FRS Change Orders Morphed* (caption), K3Z_FRS_Change_Orders_Morphed (attribute name), and FRSCOM (column name).

FRS Change Orders Propagated
The number of local plus remote file updates that were propagated to the outbound log of this replica set member. The update remains pending in the outbound log until it has been delivered to all outbound partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_PROPAGATED or FRSCHPR (historical name), *FRS Change Orders Propagated* (caption), K3Z_FRS_Change_Orders_Propagated (attribute name), and FRSCHPR (column name).

FRS Change Orders Received
The number of received change orders. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RECEIVED or FRSCORC (historical name), *FRS Change Orders Received* (caption), K3Z_FRS_Change_Orders_Received (attribute name), and FRSCORC (column name).

FRS Change Orders Retired Percent
The percent of retired change orders. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RETIRED_PERCENT or FRSCORTP (historical name), *FRS Change Orders Retired Percent* (caption), K3Z_FRS_Change_Orders_Retired_Percent (attribute name), and FRSCORTP (column name).

FRS Change Orders Retired
The number of local plus remote file updates that were retired on the replica set member. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RETIRED or FRSCORT (historical name), *FRS Change Orders Retired* (caption), K3Z_FRS_Change_Orders_Retired (attribute name), and FRSCORT (column name).

FRS Change Orders Retried at Install
The number of local plus remote file updates that were tried again due to a stage file install problem on this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RETRIED_AT_INSTALL or FRSCHRI (historical name), *FRS Change Orders Retried at Install* (caption), K3Z_FRS_Change_Orders_Retried_at_Install (attribute name), and FRSCHRI (column name).

FRS Change Orders Retried Fetch
The number of local plus remote file updates that were tried again due to a stage file fetch problem on this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RETRIED_FETCH or FRSCHRF (historical name), *FRS Change Orders Retried Fetch* (caption), K3Z_FRS_Change_Orders_Retried_Fetch (attribute name), and FRSCHRF (column name).

FRS Change Orders Retried Generate
The number of local plus remote file updates that were tried again due to a stage file generation problem on this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RETRIED_GENERATE or FRSCHRG (historical name), *FRS Change Orders Retried Generate* (caption), K3Z_FRS_Change_Orders_Retried_Generate (attribute name), and FRSCHRG (column name).

FRS Change Orders Retried Rename
The number of local plus remote file updates that were tried again due to a problem during the final target file rename or delete operation on this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RETRIED_RENAME or FRSCHRR (historical name), *FRS Change Orders Retried Rename* (caption), K3Z_FRS_Change_Orders_Retried_Rename (attribute name), and FRSCHRR (column name).

FRS Change Orders Retried
The number of local plus remote file updates that were tried again for some reason on the replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_RETRIED or FRSCHRT (historical name), *FRS Change Orders Retried* (caption), K3Z_FRS_Change_Orders_Retried (attribute name), and FRSCHRT (column name).

FRS Change Orders Sent
The number of change orders that were sent. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_CHANGE_ORDERS_SENT or FRSCOS (historical name), *FRS Change Orders Sent* (caption), K3Z_FRS_Change_Orders_Sent (attribute name), and FRSCOS (column name).

FRS Communication Timeouts
The cumulative number of FRS data or control packets not sent to an outbound partner because the send request timed out. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_COMMUNICATION_TIMEOUTS or FRSCOMTO (historical name), *FRS Communication Timeouts* (caption), K3Z_FRS_Communication_Timeouts (attribute name), and FRSCOMTO (column name).

FRS DS Bindings In Error Percent
The percent of incorrect DS bindings. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_BINDINGS_IN_ERROR_PERCENT or FRSDSBEP (historical name), *FRS DS Bindings In Error Percent* (caption), K3Z_FRS_DS_Bindings_In_Error_Percent (attribute name), and FRSDSBEP (column name).

FRS DS Bindings In Error
The number of incorrect DS bindings. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_DS_BINDINGS_IN_ERROR or FRSDSBE (historical name), *FRS DS Bindings In Error* (caption), K3Z_FRS_DS_Bindings_In_Error (attribute name), and FRSDSBE (column name).

FRS DS Bindings
The number of DS bindings. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_DS_BINDINGS or FRSDSB (historical name), *FRS DS Bindings* (caption), K3Z_FRS_DS_Bindings (attribute name), and FRSDSB (column name).

FRS DS Objects in Error
The cumulative count of FRS configuration objects retrieved from the directory service that were missing either the distinguished name, object GUID or the relative distinguished name attributes. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_OBJECTS_IN_ERROR or FRSDERR (historical name), *FRS DS Objects in Error* (caption), K3Z_FRS_DS_Objects_in_Error (attribute name), and FRSDERR (column name).

FRS DS Objects
The number of FRS configuration Objects retrieved from the directory service. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_OBJECTS or FRSDSO (historical name), *FRS DS Objects* (caption), K3Z_FRS_DS_Objects (attribute name), and FRSDSO (column name).

FRS DS Polls With Changes

The number of times FRS has polled the active directory for FRS configuration information and configuration changes were found. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_POLLS_WITH_CHANGES or FRSDPW (historical name), *FRS DS Polls With Changes* (caption), K3Z_FRS_DS_Polls_With_Changes (attribute name), and FRSDPW (column name).

FRS DS Polls Without Changes

The number of times FRS has polled the active directory for FRS configuration information and no configuration changes were found. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_POLLS_WITHOUT_CHANGES or FRSDPWO (historical name), *FRS DS Polls Without Changes* (caption), K3Z_FRS_DS_Polls_Without_Changes (attribute name), and FRSDPWO (column name).

FRS DS Polls

The number of times FRS has polled the active directory for FRS configuration information on this computer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_POLLS or FRSDPOL (historical name), *FRS DS Polls* (caption), K3Z_FRS_DS_Polls (attribute name), and FRSDPOL (column name).

FRS DS Searches in Error

The cumulative number of times FRS has made a search request to the active directory and the request returned with an error condition. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_SEARCHES_IN_ERROR or FRSDSER (historical name), *FRS DS Searches in Error* (caption), K3Z_FRS_DS_Searches_in_Error (attribute name), and FRSDSER (column name).

FRS DS Searches

The number of times FRS has made a search request to the active directory. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_DS_SEARCHES or FRSDSS (historical name), *FRS DS Searches* (caption), K3Z_FRS_DS_Searches (attribute name), and FRSDSS (column name).

FRS Fetch Blocks Received KB

The total number of bytes of staging file data received by this replica set member from all inbound partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_FETCH_BLOCKS_RECEIVED_KB or FRSFBRB (historical name), *FRS Fetch Blocks Received KB* (caption), K3Z_FRS_Fetch_Blocks_Received_KB (attribute name), and FRSFBRB (column name).

FRS Fetch Blocks Received

The number of blocks of staging file data received from all inbound partners associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_FETCH_BLOCKS_RECEIVED or FRSFBR (historical name), *FRS Fetch Blocks Received* (caption), K3Z_FRS_Fetch_Blocks_Received (attribute name), and FRSFBR (column name).

FRS Fetch Blocks Sent KB

The total number of bytes of staging file data sent to the outbound partners of this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_FETCH_BLOCKS_SENT_KB or FRSFBSB (historical name), *FRS Fetch Blocks Sent KB* (caption), K3Z_FRS_Fetch_Blocks_Sent_KB (attribute name), and FRSFBSB (column name).

FRS Fetch Blocks Sent
The number of blocks of staging file data sent to any outbound partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_FETCH_BLOCKS_SENT or FRSFBS (historical name), *FRS Fetch Blocks Sent* (caption), K3Z_FRS_Fetch_Blocks_Sent (attribute name), and FRSFBS (column name).

FRS Fetch Requests Received
The number of staging files received from all inbound partners associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_FETCH_REQUESTS_RECEIVED or FRSFRR (historical name), *FRS Fetch Requests Received* (caption), K3Z_FRS_Fetch_Requests_Received (attribute name), and FRSFRR (column name).

FRS Fetch Requests Sent
The number of staging files requested from any inbound partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_FETCH_REQUESTS_SENT or FRSFRS (historical name), *FRS Fetch Requests Sent* (caption), K3Z_FRS_Fetch_Requests_Sent (attribute name), and FRSFRS (column name).

FRS Files Installed With Error Percent
The percent of files that were incorrectly installed. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_FILES_INSTALLED_WITH_ERROR_PERCENT or FRSFIEP (historical name), *FRS Files Installed With Error Percent* (caption), K3Z_FRS_Files_Installed_With_Error_Percent (attribute name), and FRSFIEP (column name).

FRS Files Installed With Error
The number of files that were incorrectly installed. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_FILES_INSTALLED_WITH_ERROR or FRSFIE (historical name), *FRS Files Installed With Error* (caption), K3Z_FRS_Files_Installed_With_Error (attribute name), and FRSFIE (column name).

FRS Files Installed
The number of installed files. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_FILES_INSTALLED or FRSFI (historical name), *FRS Files Installed* (caption), K3Z_FRS_Files_Installed (attribute name), and FRSFI (column name).

FRS Inbound Change Orders Dampened
The number of change orders received from the partner associated with this connection that have been filtered out by the inbound dampening check. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_INBOUND_CHANGE_ORDERS_DAMPENED or FRSINBD (historical name), *FRS Inbound Change Orders Dampened* (caption), K3Z_FRS_Inbound_Change_Orders_Dampened (attribute name), and FRSINBD (column name).

FRS Join Notifications Received
The number of partner join notifications received from all inbound partners associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_JOIN_NOTIFICATIONS_RECEIVED or FRSJNR (historical name), *FRS Join Notifications Received* (caption), K3Z_FRS_Join_Notifications_Received (attribute name), and FRSJNR (column name).

FRS Join Notifications Sent
The number of inbound partner join requests or outbound partner ready-to-join notifications sent to all partners associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_JOIN_NOTIFICATIONS_SENT or FRSJNS (historical name), *FRS Join Notifications Sent* (caption), K3Z_FRS_Join_Notifications_Sent (attribute name), and FRSJNS (column name).

FRS Joins
The number of successful joins with any partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_JOINS or FRSJOI (historical name), *FRS Joins* (caption), K3Z_FRS_Joins (attribute name), and FRSJOI (column name).

FRS KB of Staging Fetched
The total number of bytes of staging file data received by this replica set member from its inbound partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_KB_OF_STAGING_FETCHED or FRSSTFC (historical name), *FRS KB of Staging Fetched* (caption), K3Z_FRS_KB_of_Staging_Fetched (attribute name), and FRSSTFC (column name).

FRS KB of Staging Generated
The total number of bytes of staging file data generated by this replica set member not including the number of bytes produced as part of regeneration. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_KB_OF_STAGING_GENERATED or FRSGN (historical name), *FRS KB of Staging Generated* (caption), K3Z_FRS_KB_of_Staging_Generated (attribute name), and FRSGN (column name).

FRS KB of Staging Regenerated
The total number of bytes of staging file data regenerated by this replica set member for a specific outbound partner request. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_KB_OF_STAGING_REGENERATED or FRSSTRGN (historical name), *FRS KB of Staging Regenerated* (caption), K3Z_FRS_KB_of_Staging_Regenerated (attribute name), and FRSSTRGN (column name).

FRS KB Staging Space Free
Staging space free (KB). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_KB_STAGING_SPACE_FREE or FRSSTSPF (historical name), *FRS KB Staging Space Free* (caption), K3Z_FRS_KB_Staging_Space_Free (attribute name), and FRSSTSPF (column name).

FRS KB Staging Space In Use
Staging space in use (KB). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_KB_STAGING_SPACE_IN_USE or FRSSTSPU (historical name), *FRS KB Staging Space In Use* (caption), K3Z_FRS_KB_Staging_Space_In_Use (attribute name), and FRSSTSPU (column name).

FRS Outbound Change Orders Dampened
The number of change orders sent to the partner associated with this connection that have been filtered out by the outbound dampening check and thus were never sent. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_OUTBOUND_CHANGE_ORDERS_DAMPENED or FRSOCD (historical name), *FRS Outbound Change Orders Dampened* (caption), K3Z_FRS_Outbound_Change_Orders_Dampened (attribute name), and FRSOCD (column name).

FRS Packets Received In Error Percent
The percent of packets received in error. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_PACKETS_RECEIVED_IN_ERROR_PERCENT or FRSPAREP (historical name), *FRS Packets Received In Error Percent* (caption), K3Z_FRS_Packets_Received_In_Error_Percent (attribute name), and FRSPAREP (column name).

FRS Packets Received In Error
The number of packets received in error. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_PACKETS_RECEIVED_IN_ERROR or FRSPARE (historical name), *FRS Packets Received In Error* (caption), K3Z_FRS_Packets_Received_In_Error (attribute name), and FRSPARE (column name).

FRS Packets Received
The number of received packets. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_PACKETS_RECEIVED or FRSPAR (historical name), *FRS Packets Received* (caption), K3Z_FRS_Packets_Received (attribute name), and FRSPAR (column name).

FRS Packets Sent In Error Percent
The percent of packets that were sent in error. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_PACKETS_SENT_IN_ERROR_PERCENT or FRSPASEP (historical name), *FRS Packets Sent In Error Percent* (caption), K3Z_FRS_Packets_Sent_In_Error_Percent (attribute name), and FRSPASEP (column name).

FRS Packets Sent In Error
The number of packets that were sent in error. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_PACKETS_SENT_IN_ERROR or FRSPASE (historical name), *FRS Packets Sent In Error* (caption), K3Z_FRS_Packets_Sent_In_Error (attribute name), and FRSPASE (column name).

FRS Packets Sent
The number of packets that were sent. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_PACKETS_SENT or FRSPAS (historical name), *FRS Packets Sent* (caption), K3Z_FRS_Packets_Sent (attribute name), and FRSPAS (column name).

FRS Replica Sets Created
The cumulative number of replica sets to which this computer has been added as a member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_REPLICA_SETS_CREATED or FRSRSC (historical name), *FRS Replica Sets Created* (caption), K3Z_FRS_Replica_Sets_Created (attribute name), and FRSRSC (column name).

FRS Replica Sets Deleted
The cumulative number of replica sets from which this computer's membership has been provisionally deleted, but could still be reanimated. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_REPLICA_SETS_DELETED or FRSRSD (historical name), *FRS Replica Sets Deleted* (caption), K3Z_FRS_Replica_Sets_Deleted (attribute name), and FRSRSD (column name).

FRS Replica Sets Removed
The cumulative number of replica sets from which this computer's membership has been permanently deleted. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_REPLICA_SETS_REMOVED or FRSRSR (historical name), *FRS Replica Sets Removed* (caption), K3Z_FRS_Replica_Sets_Removed (attribute name), and FRSRSR (column name).

FRS Replica Sets Started
The number of replica sets for which processing has been started. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_REPLICA_SETS_STARTED or FRSRSS (historical name), *FRS Replica Sets Started* (caption), K3Z_FRS_Replica_Sets_Started (attribute name), and FRSRSS (column name).

FRS Staging Files Fetched
The number of staging files requested by this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_STAGING_FILES_FETCHED or FRSSFF (historical name), *FRS Staging Files Fetched* (caption), K3Z_FRS_Staging_Files_Fetched (attribute name), and FRSSFF (column name).

FRS Staging Files Generated with Error
The cumulative number of staging files generated by this replica set member where an error was detected during generation. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_STAGING_FILES_GENERATED_WITH_ERROR or FRSSFGER (historical name), *FRS Staging Files Generated with Error* (caption), K3Z_FRS_Staging_Files_Generated_with_Error (attribute name), and FRSSFGER (column name).

FRS Staging Files Generated
The number of staging files generated by this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_STAGING_FILES_GENERATED or FRSSFG (historical name), *FRS Staging Files Generated* (caption), K3Z_FRS_Staging_Files_Generated (attribute name), and FRSSFG (column name).

FRS Staging Files Regenerated
The number of staging files regenerated by this replica set member for a specific outbound partner request. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_STAGING_FILES_REGENERATED or FRSSFR (historical name), *FRS Staging Files Regenerated* (caption), K3Z_FRS_Staging_Files_Regenerated (attribute name), and FRSSFR (column name).

FRS Threads exited
The number of execution threads that have terminated. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_THREADS_EXITED or FRSTHEX (historical name), *FRS Threads exited* (caption), K3Z_FRS_Threads_exited (attribute name), and FRSTHEX (column name).

FRS Threads started
The number of new execution threads started. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_THREADS_STARTED or FRSTHST (historical name), *FRS Threads started* (caption), K3Z_FRS_Threads_started (attribute name), and FRSTHST (column name).

FRS Unjoins
The number of unjoins with any partner associated with this replica set member. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_UNJOINS or FRSUNJN (historical name), *FRS Unjoins* (caption), K3Z_FRS_Unjoins (attribute name), and FRSUNJN (column name).

FRS Usn Reads
The number of times FRS has initiated a read on the NTFRS change log. Each volume has its own change log. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_USN_READS or FRSURD (historical name), *FRS Usn Reads* (caption), K3Z_FRS_Usn_Reads (attribute name), and FRSURD (column name).

FRS Usn Records Accepted
The number of USN records that were accepted. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_FRS_USN_RECORDS_ACCEPTED or FRSUSNA (historical name), *FRS Usn Records Accepted* (caption), K3Z_FRS_Usn_Records_Accepted (attribute name), and FRSUSNA (column name).

FRS Usn Records Examined
The number of NTFS change log records examined by FRS. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_USN_RECORDS_EXAMINED or FRSURCE (historical name), *FRS Usn Records Examined* (caption), K3Z_FRS_Usn_Records_Examined (attribute name), and FRSURCE (column name).

FRS Usn Records Rejected
The number of NTFS change log records skipped by FRS. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_FRS_USN_RECORDS_REJECTED or FRSURCR (historical name), *FRS Usn Records Rejected* (caption), K3Z_FRS_Usn_Records_Rejected (attribute name), and FRSURCR (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Forest Topology data set

The Forest Topology attributes display forest topology information.

This data set contains the following attributes:

FRT Common Name
The common name of the active directory entity that is present in the schema. The type is string.

The following names are defined for this attribute: K3Z_FRT_COMMON_NAME or FRTCMNNM (historical name), FRT Common Name (caption), K3Z_FRT_Common_Name (attribute name), and FRTCMNNM (column name).

FRT Distinguished Name
The name that uniquely identifies an entry in the directory and is made up of attribute=value pairs, separated by commas. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_FRT_LDAP_DISTINGUISHED_NAME or FRTDISNM (historical name), FRT Distinguished Name (caption), K3Z_FRT_LDAP_Distinguished_Name (attribute name), and FRTDISNM (column name).

FRT Distinguished Name(Superceded)
The name that uniquely identifies an entry in the directory and is made up of attribute=value pairs, separated by commas. This attribute is now deprecated by FRT LDAP Distinguished Name This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_FRT_DISTINGUISHED_NAME or FRTDISTNM (historical name), FRT Distinguished Name(Superceded) (caption), K3Z_FRT_Distinguished_Name (attribute name), and FRTDISTNM (column name).

FRT DNS Domain Name
The fully qualified DNS Domain Name. The type is string.

The following names are defined for this attribute: K3Z_FRT_DNS_DOMAIN_NAME or FRTDMNM (historical name), FRT DNS Domain Name (caption), K3Z_FRT_DNS_Domain_Name (attribute name), and FRTDMNM (column name).

FRT DNS Host Name
The fully qualified DNS host name of the domain controller. The type is string.

The following names are defined for this attribute: K3Z_FRT_DNS_HOST_NAME or FRTHSTNM (historical name), FRT DNS Host Name (caption), K3Z_FRT_DNS_Host_Name (attribute name), and FRTHSTNM (column name).

FRT Is ReadOnly DC
The Boolean value that indicates whether the domain controller is read-only. This attribute can only be available on Windows Server 2008. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE), NOT SUPPORTED (NOT_SUPPORTED). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_FRT_IS_READONLY_DC or FRTISRODC (historical name), FRT Is ReadOnly DC (caption), K3Z_FRT_Is_ReadOnly_DC (attribute name), and FRTISRODC (column name).

FRT Parent Domain
Parent domain of the active directory entity that exists in the schema. The type is string.

The following names are defined for this attribute: K3Z_FRT_PARENT_DOMAIN or FRTPRDN (historical name), FRT Parent Domain (caption), K3Z_FRT_Parent_Domain (attribute name), and FRTPRDN (column name).

FRT Site Name
Site under which this domain controller falls. Site under which this domain controller falls. The type is string.

The following names are defined for this attribute: K3Z_FRT_SITE_NAME or FRTSITNM (historical name), FRT Site Name (caption), K3Z_FRT_Site_Name (attribute name), and FRTSITNM (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

GMC data set

Displays group membership changes. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Group Name
Displays the name of the group. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_GMC_GROUPNAME or GMCGN (historical name), *Group Name* (caption), K3Z_GMC_GroupName (attribute name), and GMCGN (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Operation
The operation performed to add or delete a user from the group. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_GMC_MEMBEROPERATION or GMCMO (historical name), *Operation* (caption), K3Z_GMC_MemberOperation (attribute name), and GMCMO (column name).

Performed By
Displays the username who performed the operation. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_GMC_PERFORMEDBY or GMCPB (historical name), *Performed By* (caption), K3Z_GMC_PerformedBy (attribute name), and GMCPB (column name).

Performed On
Displays the timestamp when the operation was performed. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_GMC_OPERATIONTIMESTAMP or GMCOTS (historical name), *Performed On* (caption), K3Z_GMC_OperationTimestamp (attribute name), and GMCOTS (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

User Name
Displays the domain user's name on which the operation was performed. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_GMC_USERNAME or GMCUN (historical name), *User Name* (caption), K3Z_GMC_UserName (attribute name), and GMCUN (column name).

GPO data set

Use the Group Policy Object attributes to display Active Directory Group Policy Object information. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

GPO Guid
The Group Policy Object GUID. The type is string.

The following names are defined for this attribute: K3Z_GPO_GUID or GPOGUID (historical name), *GPO Guid* (caption), K3Z_GPO_Guid (attribute name), and GPOGUID (column name).

GPO Name(Superseded)
The Group Policy Object name. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_GPO_NAME or GPONAM (historical name), *GPO Name(Superseded)* (caption), K3Z_GPO_Name (attribute name), and GPONAM (column name).

GPO Name
The name of the Group Policy Object. The type is string.

The following names are defined for this attribute: K3Z_GPO_NAME_V630 or GPONAMU (historical name), *GPO Name* (caption), K3Z_GPO_Name_v630 (attribute name), and GPONAMU (column name).

GPO Status
The state of the Group Policy Object. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NOT AVAILABLE (0), Enabled (-1), User Configuration Settings Disabled (1), Computer Configuration Settings Disabled (2), All Settings Disabled (3). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_GPO_STATUS or GPOSTA (historical name), *GPO Status* (caption), K3Z_GPO_Status (attribute name), and GPOSTA (column name).

GPO Sysvol Version
The version number for the GPO from the Sysvol record. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: NOT AVAILABLE (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_GPO_SYSVOL_VERSION or GPOSVV (historical name), *GPO Sysvol Version* (caption), K3Z_GPO_Sysvol_Version (attribute name), and GPOSVV (column name).

GPO version consistentcy
Provides information whether the GPO sysvol version and GPO version is consistent or not. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Consistent (0), Inconsistent (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_GPO_VERSION_CONSISTENTCY or GPOCOST (historical name), *GPO version consistentcy* (caption), K3Z_GPO_version_consistentcy (attribute name), and GPOCOST (column name).

GPO Version
The version number of the GPO. The type is integer (32-bit numeric property).

The following names are defined for this attribute: K3Z_GPO_VERSION or GPOVER (historical name), *GPO Version* (caption), K3Z_GPO_Version (attribute name), and GPOVER (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

GPO Creation Time
The time when the Group Policy Object was created. The type is string.

The following names are defined for this attribute: K3Z_GPO_CREATION_TIME or GPOCRT (historical name), GPO Creation Time (caption), K3Z_GPO_Creation_Time (attribute name), and GPOCRT (column name).

GPO Modification Time
The time when the Group Policy Object was last modified. The type is string.

The following names are defined for this attribute: K3Z_GPO_MODIFICATION_TIME or GPOMRT (historical name), GPO Modification Time (caption), K3Z_GPO_Modification_Time (attribute name), and GPOMRT (column name).

Kerberos Consistency Checker data set

Use the Knowledge Consistency Checker attributes to create eventing thresholds to monitor knowledge consistency checker metrics. The Knowledge Consistency Checker data set is mislabeled as Kerberos Consistency Checker in some instances. This data set is configured for historical collection. Thresholds for

this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

KCC Inter Site Topology Generator Server
The name of the inter-site topology generator domain controller for a local site. The type is string with enumerated values. The following values are defined: Not Available (Not_Available). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_KCC_INTER_SITE_TOPOLOGY_GENERATOR_SERVER or KCCISTGS (historical name), *KCC Inter Site Topology Generator Server* (caption), K3Z_KCC_Inter_Site_Topology_Generator_Server (attribute name), and KCCISTGS (column name).

KCC Inter Site Topology Generator
The status of the inter-site topology generator. The Enum values for this attribute can be:

- Enabled
- Disabled

The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_KCC_INTER_SITE_TOPOLOGY_GENERATOR or KCCITG (historical name), *KCC Inter Site Topology Generator* (caption), K3Z_KCC_Inter_Site_Topology_Generator (attribute name), and KCCITG (column name).

KCC Reads
The percentage of directory reads from KCC. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_KCC_READS or KCCRDS (historical name), *KCC Reads* (caption), K3Z_KCC_Reads (attribute name), and KCCRDS (column name).

KCC Searches
The percentage of directory searches from KCC. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_KCC_SEARCHES or KCCSRCS (historical name), *KCC Searches* (caption), K3Z_KCC_Searches (attribute name), and KCCSRCS (column name).

KCC Site Name
The name of the local site. The type is string.

The following names are defined for this attribute: K3Z_KCC_SITE_NAME or KCCSITE (historical name), *KCC Site Name* (caption), K3Z_KCC_Site_Name (attribute name), and KCCSITE (column name).

KCC Writes
The percentage of directory writes from KCC. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_KCC_WRITES or KCCWTS (historical name), *KCC Writes* (caption), K3Z_KCC_Writes (attribute name), and KCCWTS (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Kerberos Key Distribution Centre data set

Use the Kerberos Key Distribution Center attributes to display Key Distribution Center information. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

KDC Authentication Server Request
The percentage of authentication server requests serviced by the KDC per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_KDC_AS_REQUEST or KDCASREQ (historical name), *KDC Authentication Server Request* (caption), K3Z_KDC_AS_Request (attribute name), and KDCASREQ (column name).

KDC Authentications
The number of times per second that clients use a ticket to this domain controller to authenticate to this domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_KDC_AUTHENTICATIONS or KDCAUTH (historical name), *KDC Authentications* (caption), K3Z_KDC_Authentications (attribute name), and KDCAUTH (column name).

KDC TGS Requests
The number of ticket generation (TGS) requests services by the KDC per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_KDC_TGS_REQUESTS or KDCTGSREQ (historical name), *KDC TGS Requests* (caption), K3Z_KDC_TGS_Requests (attribute name), and KDCTGSREQ (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

LDAP data set

The NTDS LDAP object provides statistics about the Lightweight Directory Access Protocol (LDAP) interface that provides the API for LDAP clients and exposes the Active Directory Services Interface (ADSI) so that additional applications might be written that can talk to Active Directory. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

LDAP Active Threads
The current number of threads that the LDAP subsytem of the local directory service uses. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_ACTIVE_THREADS or LDAPTHRD (historical name), *LDAP Active Threads* (caption), K3Z_LDAP_Active_Threads (attribute name), and LDAPTHRD (column name).

LDAP ATQ Threads LDAP
The number of threads that ATQ has currently allocated to servicing LDAP requests. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATQ_THREADS_LDAP or LDAPATQ (historical name), *LDAP ATQ Threads LDAP* (caption), K3Z_LDAP_ATQ_Threads_LDAP (attribute name), and LDAPATQ (column name).

LDAP Bind Time
The time (in milliseconds) that is taken to complete the last LDAP bind. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_BIND_TIME or LDAPBNDTM (historical name), *LDAP Bind Time* (caption), K3Z_LDAP_Bind_Time (attribute name), and LDAPBNDTM (column name).

LDAP Client Sessions
The number of currently connected LDAP client sessions. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_CLIENT_SESSIONS or LDAPCLNT (historical name), *LDAP Client Sessions* (caption), K3Z_LDAP_Client_Sessions (attribute name), and LDAPCLNT (column name).

LDAP Closed Connections sec
The number of LDAP connections that have been closed in the last second. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_CLOSED_CONNECTIONS_SEC or LDAPCCON (historical name), *LDAP Closed Connections sec* (caption), K3Z_LDAP_Closed_Connections_sec (attribute name), and LDAPCCON (column name).

LDAP New Connections sec
The number of new LDAP connections that have arrived in the last second. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_NEW_CONNECTIONS_SEC or LDAPNCON (historical name), *LDAP New Connections sec* (caption), K3Z_LDAP_New_Connections_sec (attribute name), and LDAPNCON (column name).

LDAP New SSL Connections sec
The number of new SSL or TLS connections that arrived in the last second. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_NEW_SSL_CONNECTIONS_SEC or LDAPSSL (historical name), *LDAP New SSL Connections sec* (caption), K3Z_LDAP_New_SSL_Connections_sec (attribute name), and LDAPSSL (column name).

LDAP Searches Per Sec
The rate at which LDAP clients perform search operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_SEARCHES_PER_SEC or LDAPSRCPS (historical name), *LDAP Searches Per Sec* (caption), K3Z_LDAP_Searches_Per_Sec (attribute name), and LDAPSRCPS (column name).

LDAP Searches
The percentage of directory searches from LDAP. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_SEARCHES or LDAPSRC (historical name), *LDAP Searches* (caption), K3Z_LDAP_Searches (attribute name), and LDAPSRC (column name).

LDAP Successful Binds per sec
The number of LDAP binds per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_SUCCESSFUL_BINDS_PER_SEC or LDAPBNDSPS (historical name), *LDAP Successful Binds per sec* (caption), K3Z_LDAP_Successful_Binds_per_sec (attribute name), and LDAPBNDSPS (column name).

LDAP Successful Binds
The percentage of LDAP bind attempts that are successful. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_SUCCESSFUL_BINDS or LDAPBINDS (historical name), *LDAP Successful Binds* (caption), K3Z_LDAP_Successful_Binds (attribute name), and LDAPBINDS (column name).

LDAP UDP operations per sec
The number of UDP operations that the LDAP server is processing per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_UDP_OPERATIONS_PER_SEC or LDAPUDPOP (historical name), *LDAP UDP operations per sec* (caption), K3Z_LDAP_UDP_operations_per_sec (attribute name), and LDAPUDPOP (column name).

LDAP Writes per sec
The rate at which LDAP clients perform write operations. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_WRITES_PER_SEC or LDAPWRTSPS (historical name), *LDAP Writes per sec* (caption), K3Z_LDAP_Writes_per_sec (attribute name), and LDAPWRTSPS (column name).

LDAP Writes
The percentage of directory writes from LDAP. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_WRITES or LDAPWRTS (historical name), *LDAP Writes* (caption), K3Z_LDAP_Writes (attribute name), and LDAPWRTS (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

LDAP Attributes data set

The LDAP attributes display information about the Lightweight Directory Access Protocol (LDAP). The data for this data set is collected after the duration of time that is specified in the environment variable. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

LDAP Attributes Deleted Objects
The number of objects that are deleted. The following value is valid: The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_DELETED_OBJECTS or LDAPADELO (historical name), *LDAP Attributes Deleted Objects* (caption), K3Z_LDAP_Attributes_Deleted_Objects (attribute name), and LDAPADELO (column name).

LDAP Attributes Disabled User Accounts
The number of user accounts that are disabled. The following value is valid: The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_DISABLED_USER_ACCOUNTS or LDAPADISU (historical name), *LDAP Attributes Disabled User Accounts* (caption), K3Z_LDAP_Attributes_Disabled_User_Accounts (attribute name), and LDAPADISU (column name).

LDAP Attributes Expired Password User Accounts
The number of users accounts whose passwords have not been modified in the number of days that are specified in the MAX_PASSWORD_AGE environment variable. The following values are valid: The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1), Password Never Expires (-2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_EXPIRED_PASSWORD_USER_ACCOUNTS or LDAPAEXPP (historical name), *LDAP Attributes Expired Password User Accounts* (caption), K3Z_LDAP_Attributes_Expired_Password_User_Accounts (attribute name), and LDAPAEXPP (column name).

LDAP Attributes Expired User Accounts
The number of user accounts that have expired. The following value is valid: The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_EXPIRED_USER_ACCOUNTS or LDAPAEXPU (historical name), *LDAP Attributes Expired User Accounts* (caption), K3Z_LDAP_Attributes_Expired_User_Accounts (attribute name), and LDAPAEXPU (column name).

LDAP Attributes Inactive User Accounts
The number of user accounts that have not been accessed for the number of days that are specified in the USER_INACTIVE_DAYS environment variable. The following value is valid: The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_INACTIVE_USER_ACCOUNTS or LDAPAINAU (historical name), *LDAP Attributes Inactive User Accounts* (caption), K3Z_LDAP_Attributes_Inactive_User_Accounts (attribute name), and LDAPAINAU (column name).

LDAP Attributes Invalid Logon Attempts User Accounts
The number of users that attempted to log on to their accounts with an incorrect password. The following value is valid: The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_INVALID_LOGON_ATTEMPTS_USER_ACCOUNTS or LDAPABDPU (historical name), *LDAP Attributes Invalid Logon Attempts User Accounts* (caption),

K3Z_LDAP_Attributes_Invalid_Logon_Attempts_User_Accounts (attribute name), and LDAPABDPU (column name).

LDAP Attributes New User Accounts
The number of user accounts that have been created in the last 7 days. The following value is valid: The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_NEW_USER_ACCOUNTS or LDAPANEWU (historical name), *LDAP Attributes New User Accounts* (caption), K3Z_LDAP_Attributes_New_User_Accounts (attribute name), and LDAPANEWU (column name).

LDAP Attributes Objects In Domain
The number of objects that are in domain. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_OBJECTS_IN_DOMAIN or LDAPAOBDM (historical name), *LDAP Attributes Objects In Domain* (caption), K3Z_LDAP_Attributes_Objects_In_Domain (attribute name), and LDAPAOBDM (column name).

LDAP Attributes Offline Domain Join
The eligibility of Offline Domain Join. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Supported (0), NotSupported (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_OFFLINE_DOMAIN_JOIN or LDAPAOFDJ (historical name), *LDAP Attributes Offline Domain Join* (caption), K3Z_LDAP_Attributes_Offline_Domain_Join (attribute name), and LDAPAOFDJ (column name).

LDAP Attributes Recycle Bin Status
The current status of the recycle bin. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Disabled (0), Enabled (1), NotSupported (2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_RECYCLE_BIN_STATUS or LDAPARCBS (historical name), *LDAP Attributes Recycle Bin Status* (caption), K3Z_LDAP_Attributes_Recycle_Bin_Status (attribute name), and LDAPARCBS (column name).

LDAP Attributes Users Locked
The number of users that are currently locked. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LDAP_ATTRIBUTES_USERS_LOCKED or LDAPAUSLK (historical name), *LDAP Attributes Users Locked* (caption), K3Z_LDAP_Attributes_Users_Locked (attribute name), and LDAPAUSLK (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

LFO data set

Use the Lost and Found Objects attributes to display Active Directory Lost and Found Objects.

This data set contains the following attributes:

LFO Name
The Lost and Found Object name. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_LFO_NAME or LFONAM (historical name), LFO Name (caption), K3Z_LFO_Name (attribute name), and LFONAM (column name).

LFO Type
The Lost and Found Object type. The type is string.

The following names are defined for this attribute: K3Z_LFO_TYPE or LFOTYP (historical name), LFO Type (caption), K3Z_LFO_Type (attribute name), and LFOTYP (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Local Security Authority data set

Use the Local Security Authority attributes to create eventing thresholds to monitor the Active Directory Local Security Authority. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

LSA Reads
The percentage of directory read operations by LSA. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LSA_READS or LSARDS (historical name), *LSA Reads* (caption), K3Z_LSA_Reads (attribute name), and LSARDS (column name).

LSA Searches
The percentage of directory search operations by LSA. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LSA_SEARCHES or LSASRC (historical name), *LSA Searches* (caption), K3Z_LSA_Searches (attribute name), and LSASRC (column name).

LSA Writes
The percentage of directory write operations by LSA. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LSA_WRITES or LSAWRTS (historical name), *LSA Writes* (caption), K3Z_LSA_Writes (attribute name), and LSAWRTS (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Logon Failure Count As Per Error Code data set

Displays information related to count of failed logon attempts as per error codes. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active

Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Count
Displays total number of failed logon for error code in the last 24 hours. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LFCAPEC_COUNT or LFEC_COUNT (historical name), *Count* (caption), K3Z_LFCAPEC_Count (attribute name), and LFEC_COUNT (column name).

Logon Failure Error Code
Displays logon failure reason like bad user name and password, disabled and expired account. The type is string.

The following names are defined for this attribute: K3Z_LFCAPEC_LOGON_FAILURE_ERROR_CODE or LFEC (historical name), *Logon Failure Error Code* (caption), K3Z_LFCAPEC_Logon_Failure_Error_Code (attribute name), and LFEC (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Total Count
Displays total number of failed logon in the last 24 hours. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LFCAPEC_TOTAL_COUNT or T_COUNT (historical name), *Total Count* (caption), K3Z_LFCAPEC_Total_Count (attribute name), and T_COUNT (column name).

Logon Peak Hour Usage data set

Displays information related to number of users logged in that specific hour. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Last Hour Logon Count
Displays number of users logged in that specific hour. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_LPHU_LHLC or LHLC (historical name), *Last Hour Logon Count* (caption), K3Z_LPHU_LHLC (attribute name), and LHLC (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Moved Or Deleted Organizational Unit data set

The Moved or Deleted Organizational Units attributes provide information about the name, the distinguished name, and the status of the organizational units. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

OU Collection Timestamp
The date and time when the status information (moved or deleted) about the organizational unit is collected. This attribute is a key attribute. The type is timestamp.

The following names are defined for this attribute: K3Z_OU_COLLECTION_TIMESTAMP or OUCTS (historical name), *OU Collection Timestamp* (caption), K3Z_OU_Collection_Timestamp (attribute name), and OUCTS (column name).

OU Current Distinguished Name
The current distinguished name of the organizational unit. The type is string with enumerated values. The following values are defined: Not Available (Not_Available). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_OU_CURRENT_DISTINGUISHED_NAME or OUCDN (historical name), *OU Current Distinguished Name* (caption), K3Z_OU_Current_Distinguished_Name (attribute name), and OUCDN (column name).

OU Name
The name of the organizational unit. The type is string.

The following names are defined for this attribute: K3Z_OU_NAME or OUOUN (historical name), *OU Name* (caption), K3Z_OU_Name (attribute name), and OUOUN (column name).

OU Previous Distinguished Name
The previous distinguished name of the organizational unit. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_OU_PREVIOUS_DISTINGUISHED_NAME or OUPRDN (historical name), *OU Previous Distinguished Name* (caption), K3Z_OU_Previous_Distinguished_Name (attribute name), and OUPRDN (column name).

OU Status
The status of the organizational unit. The status can be Moved or Deleted. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Moved (0), Deleted (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_OU_STATUS or OUOS (historical name), *OU Status* (caption), K3Z_OU_Status (attribute name), and OUOS (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Name Service Provider data set

Use the Name Service Provider attributes to create eventing thresholds to monitor statistics of the Name Service Provider Interface (NSPI), which facilitates communication between Active Directory and Exchange Directory Service (XDS). This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

NSPI Reads
The percentage of directory reads from NSPI. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NSPI_READS or NSPIRDS (historical name), *NSPI Reads* (caption), K3Z_NSPI_Reads (attribute name), and NSPIRDS (column name).

NSPI Searches
The percentage of directory searches from NSPI. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NSPI_SEARCHES or NSPISRC (historical name), *NSPI Searches* (caption), K3Z_NSPI_Searches (attribute name), and NSPISRC (column name).

NSPI Writes
The percentage of directory writes from NSPI. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NSPI_WRITES or NSPIWRTS (historical name), *NSPI Writes* (caption), K3Z_NSPI_Writes (attribute name), and NSPIWRTS (column name).

NTLM Authentications
The number of NTLM authentications per second served by this domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NTLM_AUTHENTICATIONS or NTLMAUTH (historical name), *NTLM Authentications* (caption), K3Z_NTLM_Authentications (attribute name), and NTLMAUTH (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

NETLOGON Attributes data set

The Netlogon attributes display information about the performance of the Netlogon authentication feature. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Average Semaphore Hold Time
The average time (in seconds) that a semaphore is held for the last sample. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NTLGON_AVERAGE_SEMAPHORE_HOLD_TIME or NTLGONHTM (historical name), *Average Semaphore Hold Time* (caption), K3Z_NTLGON_Average_Semaphore_Hold_Time (attribute name), and NTLGONHTM (column name).

Instance Name
The name of the Netlogon perfmon instance. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_NTLGON_INSTANCE_NAME or NTLGONINM (historical name), *Instance Name* (caption), K3Z_NTLGON_Instance_Name (attribute name), and NTLGONINM (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Semaphore Acquires
The total number of times that a semaphore has been obtained for a secure channel while the secure channel is active. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_NTLGON_SEMAPHORE_ACQUIRES or NTLGONAQR (historical name), *Semaphore Acquires* (caption), K3Z_NTLGON_Semaphore_Acquires (attribute name), and NTLGONAQR (column name).

Semaphore Holders
The number of threads that currently hold a semaphore. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NTLGON_SEMAPHORE_HOLDERS or NTLGONHLD (historical name), *Semaphore Holders* (caption), K3Z_NTLGON_Semaphore_Holders (attribute name), and NTLGONHLD (column name).

Semaphore Timeout
The total number of times when the threads timed out while waiting to obtain a semaphore. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_NTLGON_SEMAPHORE_TIMEOUT or NTLGONTMO (historical name), *Semaphore Timeout* (caption), K3Z_NTLGON_Semaphore_Timeout (attribute name), and NTLGONTMO (column name).

Semaphore Waiters
The number of threads that are currently waiting to obtain a semaphore. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NTLGON_SEMAPHORE_WAITERS or NTLGONWTR (historical name), *Semaphore Waiters* (caption), K3Z_NTLGON_Semaphore_Waiters (attribute name), and NTLGONWTR (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Password Setting Objects data set

The Password Settings objects (PSO) attributes display the information that is related to the Active Directory PSO. This data set is supported for Windows Server 2008, and later. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Account Lockout Duration
The duration (in minutes) after which a locked user account is automatically unlocked. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Applicable (0), Permanently Locked (-1), Not Available (-2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_ACCOUNT_LOCKOUT_DURATION or LOCKOUTDUR (historical name), *Account Lockout Duration* (caption), K3Z_Account_Lockout_Duration (attribute name), and LOCKOUTDUR (column name).

Enforce Password History
The number of times that new passwords must be created for a user account before a password can be reused. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_ENFORCE_PASSWORD_HISTORY or PWDHISTLEN (historical name), *Enforce Password History* (caption), K3Z_Enforce_Password_History (attribute name), and PWDHISTLEN (column name).

Lockout Observation Window
The duration (in minutes) after which the counter for failed logon attempts is reset to 0 (zero). The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Applicable (0), Never (-1), Not Available (-2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LOCKOUT_OBSERVATION_WINDOW or LOCKOUTOBW (historical name), *Lockout Observation Window* (caption), K3Z_Lockout_Observation_Window (attribute name), and LOCKOUTOBW (column name).

Lockout Threshold
The number of failed logon attempts after which the user account is locked. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Applicable (0), Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_LOCKOUT_THRESHOLD or LOCKOUTTHD (historical name), *Lockout Threshold* (caption), K3Z_Lockout_Threshold (attribute name), and LOCKOUTTHD (column name).

Maximum Password Age
The maximum number of days that a password can be used after which the password must be changed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Applicable (0), Never Expire (-1), Not Available (-2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_MAXIMUM_PASSWORD_AGE or MAXPWDAGE (historical name), *Maximum Password Age* (caption), K3Z_Maximum_Password_Age (attribute name), and MAXPWDAGE (column name).

Minimum Password Age
The minimum number of days that a password must be used before the password can be changed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Not Available (-2). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_MINIMUM_PASSWORD_AGE or MINPWDAGE (historical name), *Minimum Password Age* (caption), K3Z_Minimum_Password_Age (attribute name), and MINPWDAGE (column name).

Minimum Password Length
The minimum number of characters that are required in a password. The type is integer (32-bit gauge) with enumerated values. The following values are defined: No Password Required (0), Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_MINIMUM_PASSWORD_LENGTH or MINPWDLEN (historical name), *Minimum Password Length* (caption), K3Z_Minimum_Password_Length (attribute name), and MINPWDLEN (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Password Complexity Enabled
Indicates whether a password must meet the complexity requirements that can be enforced when the password is created or changed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: False (0), True (1), Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_PASSWORD_COMPLEXITY_ENABLED or PWDCMPXEN (historical name), *Password Complexity Enabled* (caption), K3Z_Password_Complexity_Enabled (attribute name), and PWDCMPXEN (column name).

Password Reversible Encryption Enabled
Indicates whether the password-reversible encryption is enabled for user accounts. The type is integer (32-bit gauge) with enumerated values. The following values are defined: False (0), True (1), Not Available (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_PASSWORD_REVERSIBLE_ENCRYPTION_ENABLED or PWDREVEPEN (historical name), *Password Reversible Encryption Enabled* (caption), K3Z_Password_Reversible_Encryption_Enabled (attribute name), and PWDREVEPEN (column name).

PSO Creation Time
The date and time when the PSO was created. The type is timestamp with enumerated values. The following values are defined: N/A (0000000000000001), N/C (0000000000000002), N/P (0000000000000003). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_WHEN_CREATED or WENCREATED (historical name), *PSO Creation Time* (caption), K3Z_When_Created (attribute name), and WENCREATED (column name).

PSO Modification Time
The date and time when the PSO was last modified. The type is timestamp with enumerated values. The following values are defined: N/A (0000000000000001), N/C (0000000000000002), N/P (0000000000000003). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_WHEN_CHANGED or WENCHANGED (historical name), *PSO Modification Time* (caption), K3Z_When_Changed (attribute name), and WENCHANGED (column name).

PSO Name
The name of the Password Settings object. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_PSO_NAME or PSONAME (historical name), *PSO Name* (caption), K3Z_PSO_Name (attribute name), and PSONAME (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Remote Access Server data set

The Remote Access Server attributes monitor the activities of VPN clients since the start of service. This data set is a single instance data set. This data set is available only on Active Directory 2012.

This data set contains the following attributes:

Bytes Received By Disconnected Clients(MB)
The total amount of data (in MB) that was received by the disconnected clients since the service was started. The type is real number (32-bit counter) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_BYTES_RECEIVED_BY_DISCONNECTED_CLIENTS or BRBDISCLNT (historical name), Bytes Received By Disconnected Clients(MB) (caption), K3Z_Bytes_Received_By_Disconnected_Clients (attribute name), and BRBDISCLNT (column name).

Bytes Transmitted By Disconnected Clients(MB)
The cumulative data (in MB) that was sent by all the disconnected clients since the service was started. The type is real number (32-bit counter) with three decimal places of precision with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_BYTES_TRANSMITTED_BY_DISCONNECTED_CLIENTS or BTBDISCLNT (historical name), Bytes Transmitted By Disconnected Clients(MB) (caption), K3Z_Bytes_Transmitted_By_Disconnected_Clients (attribute name), and BTBDISCLNT (column name).

Failed Authentications
The number of authentications that failed since the service was started. The type is integer (32-bit counter) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_FAILED_AUTHENTICATIONS or FAILEDAUTH (historical name), Failed Authentications (caption), K3Z_Failed_Authentications (attribute name), and FAILEDAUTH (column name).

Max Clients
The maximum number of remote clients that were connected to the server since the service was started. The type is integer (32-bit counter) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_MAX_CLIENTS or MAXCLIENTS (historical name), Max Clients (caption), K3Z_Max_Clients (attribute name), and MAXCLIENTS (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Total Clients
The total number of remote clients that were connected to the server since the service was started. The type is integer (32-bit counter) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TOTAL_CLIENTS or TOTCLIENTS (historical name), Total Clients (caption), K3Z_Total_Clients (attribute name), and TOTCLIENTS (column name).

Replication data set

Use the Replication attributes to create eventing thresholds to monitor the directory service agent (DSA), the Active Directory process that runs on each domain controller and manages all the directory service functions. This data set has the option to cache the data it collects for some configurable period. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

DRA Bridgehead
Specifies whether this system is a Bridgehead server. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_BRIDGEHEAD or DRABHS (historical name), *DRA Bridgehead* (caption), K3Z_DRA_Bridgehead (attribute name), and DRABHS (column name).

DRA High USN Commited High
The high-order 32 bits of the highest update sequence number committed on the directory service agent (DSA). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_HIGH_USN_COMMITED_HIGH or DRAUSNCMTH (historical name), *DRA High USN Commited High* (caption), K3Z_DRA_High_USN_Commited_High (attribute name), and DRAUSNCMTH (column name).

DRA High USN Commited Low
The low-order 32 bits of the highest update sequence number committed on the directory service agent (DSA). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_HIGH_USN_COMMITED_LOW or DRAUSNCMTL (historical name), *DRA High USN Commited Low* (caption), K3Z_DRA_High_USN_Commited_Low (attribute name), and DRAUSNCMTL (column name).

DRA High USN Issued High
The high-order 32 bits of the highest USN issued on the directory service agent (DSA). The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_HIGH_USN_ISSUED_HIGH or DRAUSNISDH (historical name), *DRA High USN Issued High* (caption), K3Z_DRA_High_USN_Issued_High (attribute name), and DRAUSNISDH (column name).

DRA High USN Issued Low
The low-order 32 bits of the highest USN issued on the directory service agent (DSA). The type is integer (32-bit gauge).

The following names are defined for this attribute: DRA_HIGH_USN_ISSUED_LOW or DRAUSNISDL (historical name), *DRA High USN Issued Low* (caption), DRA_High_USN_Issued_Low (attribute name), and DRAUSNISDL (column name).

DRA Hostname
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_DRA_HOSTNAME_V630 or DRAHNLI (historical name), *DRA Hostname* (caption), K3Z_DRA_Hostname_v630 (attribute name), and DRAHNLI (column name).

DRA Inbound Bytes Compressed Per Sec After
The compressed size of inbound compressed replication data, after compression. The type is integer (32-bit gauge).

The following names are defined for this attribute: DRA_INBOUND_BYTES_COMPRESSED_PER_SEC_AFTER or DRAIBCMPA (historical name), *DRA Inbound Bytes Compressed Per Sec After* (caption), DRA_Inbound_Bytes_Compressed_Per_Sec_After (attribute name), and DRAIBCMPA (column name).

DRA Inbound Bytes Compressed Per Sec Before
The compressed size of inbound compressed replication data, before compression. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_BYTES_COMPRESSED_PER_SEC_BEFORE or DRAIBCMPB (historical name), *DRA Inbound Bytes Compressed Per Sec Before* (caption), K3Z_DRA_Inbound_Bytes_Compressed_Per_Sec_Before (attribute name), and DRAIBCMPB (column name).

DRA Inbound Bytes Intersite Percent
The percentage of inbound bytes from other sites. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_BYTES_INTERSITE_PERCENT or DRAIBBIEP (historical name), *DRA Inbound Bytes Intersite Percent* (caption), K3Z_DRA_Inbound_Bytes_Intersite_Percent (attribute name), and DRAIBBIEP (column name).

DRA Inbound Bytes Not Compressed (within site/sec)
The number of incoming replicated bytes that were not compressed at the source. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_BYTES_NOT_COMPRESSED_PER_SEC or DRAIBNCMP (historical name), *DRA Inbound Bytes Not Compressed (within site/sec)* (caption), K3Z_DRA_Inbound_Bytes_Not_Compressed_Per_Sec (attribute name), and DRAIBNCMP (column name).

DRA Inbound Bytes Total Per Sec
The total number of replicated bytes. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_BYTES_TOTAL_PER_SEC or DRAIBTL (historical name), *DRA Inbound Bytes Total Per Sec* (caption), K3Z_DRA_Inbound_Bytes_Total_Per_Sec (attribute name), and DRAIBTL (column name).

DRA Inbound Full Sync Objects Remain
The number of objects remaining until the full synchronization is completed. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_FULL_SYNC_OBJECTS_REMAIN or DRAIBFSNC (historical name), *DRA Inbound Full Sync Objects Remain* (caption), K3Z_DRA_Inbound_Full_Sync_Objects_Remain (attribute name), and DRAIBFSNC (column name).

DRA Inbound KBytes Compressed Since Boot After
Compressed size in bytes of inbound compressed replication data (size after compression, from DSAs in other sites). The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_INBOUND_KBYTES_COMPRESSED_SINCE_BOOT_AFTER or DRAIACBT (historical name), *DRA Inbound KBytes Compressed Since Boot After* (caption), K3Z_DRA_Inbound_KBytes_Compressed_Since_Boot_After (attribute name), and DRAIACBT (column name).

DRA Inbound KBytes Compressed Since Boot Before
Original size in bytes of inbound compressed replication data (size before compression, from DSAs in other sites). The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_INBOUND_KBYTES_COMPRESSED_SINCE_BOOT_BEFORE or DRAIBCBT (historical name), *DRA Inbound KBytes Compressed Since Boot Before* (caption), K3Z_DRA_Inbound_KBytes_Compressed_Since_Boot_Before (attribute name), and DRAIBCBT (column name).

DRA Inbound KBytes Not Compressed Since Boot
Number of bytes replicated in that were not compressed at the source (from DSAs in the same site). The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_INBOUND_KBYTES_NOT_COMPRESSED_SINCE_BOOT or DRAINCBT (historical name), *DRA Inbound KBytes Not Compressed Since Boot* (caption), K3Z_DRA_Inbound_KBytes_Not_Compressed_Since_Boot (attribute name), and DRAINCBT (column name).

DRA Inbound KBytes Total Since Boot
Total number of bytes replicated in. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_INBOUND_KBYTES_TOTAL_SINCE_BOOT or DRAIBTBT (historical name), *DRA Inbound KBytes Total Since Boot* (caption), K3Z_DRA_Inbound_KBytes_Total_Since_Boot (attribute name), and DRAIBTBT (column name).

DRA Inbound Link Value Updates Remaining in Packet
The number of link value updates received in the current directory replication update packet that have not yet been applied to the local server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_INBOUND_LINK_VALUE_UPDATES_REMAINING_IN_PACKET or DRAIBLUP (historical name), *DRA Inbound Link Value Updates Remaining in Packet* (caption), K3Z_DRA_Inbound_Link_Value_Updates_Remaining_in_Packet (attribute name), and DRAIBLUP (column name).

DRA Inbound Objects Applied Per Sec
The rate at which replication updates are received from replication partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_OBJECTS_APPLIED_PER_SEC or DRAIBOAPPL (historical name), *DRA Inbound Objects Applied Per Sec* (caption), K3Z_DRA_Inbound_Objects_Applied_Per_Sec (attribute name), and DRAIBOAPPL (column name).

DRA Inbound Objects Filtered Per Sec
The number of objects received from inbound replication partners that contained no updates that needed to be applied. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_OBJECTS_FILTERED_PER_SEC or DRAIBOFLT (historical name), *DRA Inbound Objects Filtered Per Sec* (caption), K3Z_DRA_Inbound_Objects_Filtered_Per_Sec (attribute name), and DRAIBOFLT (column name).

DRA Inbound Objects Per Sec
The number of objects received from neighbors through inbound replication. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_OBJECTS_PER_SEC or DRAIBO (historical name), *DRA Inbound Objects Per Sec* (caption), K3Z_DRA_Inbound_Objects_Per_Sec (attribute name), and DRAIBO (column name).

DRA Inbound Objects Percent Applied
The percentage of applied inbound objects. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_OBJECTS_PERCENT_APPLIED or DRAIBOAPP (historical name), *DRA Inbound Objects Percent Applied* (caption), K3Z_DRA_Inbound_Objects_Percent_Applied (attribute name), and DRAIBOAPP (column name).

DRA Inbound Objects Percent Filtered
The percentage of filtered inbound objects. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_OBJECTS_PERCENT_FILTERED or DRAIBOFLTP (historical name), *DRA Inbound Objects Percent Filtered* (caption), K3Z_DRA_Inbound_Objects_Percent_Filtered (attribute name), and DRAIBOFLTP (column name).

DRA Inbound Objects Update Remain Packet
The number of object updates received in the current directory replication update packet that have not yet been applied to the local server. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_OBJECTS_UPDATE_REMAIN_PACKET or DRAIBUPD (historical name), *DRA Inbound Objects Update Remain Packet* (caption), K3Z_DRA_Inbound_Objects_Update_Remain_Packet (attribute name), and DRAIBUPD (column name).

DRA Inbound Properties Applied Per Sec
The number of properties that incoming properties cause to be updated. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_PROPERTIES_APPLIED_PER_SEC or DRAIBPAPP (historical name), *DRA Inbound Properties Applied Per Sec* (caption), K3Z_DRA_Inbound_Properties_Applied_Per_Sec (attribute name), and DRAIBPAPP (column name).

DRA Inbound Properties Filtered Per Sec
The number of property changes that are received during the replication. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_PROPERTIES_FILTERED_PER_SEC or DRAIBPFLT (historical name), *DRA Inbound Properties Filtered Per Sec* (caption), K3Z_DRA_Inbound_Properties_Filtered_Per_Sec (attribute name), and DRAIBPFLT (column name).

DRA Inbound Properties Percent Applied
The percentage of applied inbound properties. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_PROPERTIES_PERCENT_APPLIED or DRAIBPAPPP (historical name), *DRA Inbound Properties Percent Applied* (caption), K3Z_DRA_Inbound_Properties_Percent_Applied (attribute name), and DRAIBPAPPP (column name).

DRA Inbound Properties Percent Filtered
The percentage of filtered inbound properties. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_PROPERTIES_PERCENT_FILTERED or DRAIBPFLTP (historical name), *DRA*

Inbound Properties Percent Filtered (caption), K3Z_DRA_Inbound_Properties_Percent_Filtered (attribute name), and DRAIBPFLTP (column name).

DRA Inbound Properties Total Per Sec
The total number of object properties received from inbound replication partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_PROPERTIES_TOTAL_PER_SEC or DRAIBPTL (historical name), *DRA Inbound Properties Total Per Sec* (caption), K3Z_DRA_Inbound_Properties_Total_Per_Sec (attribute name), and DRAIBPTL (column name).

DRA Inbound Total Connections
The total number of replication connections that are inbound. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_TOTAL_CONNECTIONS or DRAIBTOC (historical name), *DRA Inbound Total Connections* (caption), K3Z_DRA_Inbound_Total_Connections (attribute name), and DRAIBTOC (column name).

DRA Inbound Total Updates Remaining in Packet
The number of total (link values and object) updates received in the current directory replication update packet that have not yet been applied to the local server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_INBOUND_TOTAL_UPDATES_REMAINING_IN_PACKET or DRAIBTUP (historical name), *DRA Inbound Total Updates Remaining in Packet* (caption), K3Z_DRA_Inbound_Total_Updates_Remaining_in_Packet (attribute name), and DRAIBTUP (column name).

DRA Inbound Values Per Sec
The number of object property values received from inbound replication partners that are DNs that reference other objects. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_VALUES_PER_SEC or DRAIBV (historical name), *DRA Inbound Values Per Sec* (caption), K3Z_DRA_Inbound_Values_Per_Sec (attribute name), and DRAIBV (column name).

DRA Inbound Values Total Per Sec
The total number of object property values received from inbound replication partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INBOUND_VALUES_TOTAL_PER_SEC or DRAIBVTL (historical name), *DRA Inbound Values Total Per Sec* (caption), K3Z_DRA_Inbound_Values_Total_Per_Sec (attribute name), and DRAIBVTL (column name).

DRA InterSite Partner Count
The number of InterSite partners that are assigned to this Domain Controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INTERSITE_PARTNER_COUNT or DRAIEPC (historical name), *DRA InterSite Partner Count* (caption), K3Z_DRA_InterSite_Partner_Count (attribute name), and DRAIEPC (column name).

DRA IntraSite Partner Count
The number of IntraSite partners that are assigned to this Domain Controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_INTRASITE_PARTNER_COUNT or DRAIAPC (historical name), *DRA IntraSite Partner Count* (caption), K3Z_DRA_IntraSite_Partner_Count (attribute name), and DRAIAPC (column name).

DRA NetTime Status
The status code that NetTime returned. The type is integer (32-bit numeric property).

The following names are defined for this attribute: K3Z_DRA_NETTIME_STATUS or DRANTSTAT (historical name), *DRA NetTime Status* (caption), K3Z_DRA_NetTime_Status (attribute name), and DRANTSTAT (column name).

DRA Outbound Bytes Compressed Per Sec After
The compressed size of outbound compressed replication data, after compression. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_BYTES_COMPRESSED_PER_SEC_AFTER or DRAOBCMPA (historical name), *DRA Outbound Bytes Compressed Per Sec After* (caption), K3Z_DRA_Outbound_Bytes_Compressed_Per_Sec_After (attribute name), and DRAOBCMPA (column name).

DRA Outbound Bytes Compressed Per Sec Before
The compressed size of outbound compressed replication data before compression. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_BYTES_COMPRESSED_PER_SEC_BEFORE or DRAOBCMPB (historical name), *DRA Outbound Bytes Compressed Per Sec Before* (caption), K3Z_DRA_Outbound_Bytes_Compressed_Per_Sec_Before (attribute name), and DRAOBCMPB (column name).

DRA Outbound Bytes Not Compressed(within site/sec)
The number of bytes replicated out that were not compressed. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_BYTES_NOT_COMPRESSED_PER_SEC_BEFORE or DRAOBNCMPB (historical name), *DRA Outbound Bytes Not Compressed(within site/sec)* (caption), K3Z_DRA_Outbound_Bytes_Not_Compressed_Per_Sec_Before (attribute name), and DRAOBNCMPB (column name).

DRA Outbound Bytes Total Per Sec
The total number of bytes replicated out. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_BYTES_TOTAL_PER_SEC or DRAOBTL (historical name), *DRA Outbound Bytes Total Per Sec* (caption), K3Z_DRA_Outbound_Bytes_Total_Per_Sec (attribute name), and DRAOBTL (column name).

DRA Outbound Connections
The total number of outbound replication connections from the computer on which the agent is installed. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_CONNECTIONS or DRAOBOC (historical name), *DRA Outbound Connections* (caption), K3Z_DRA_Outbound_Connections (attribute name), and DRAOBOC (column name).

DRA Outbound KBytes Compressed Since Boot After
Compressed size in bytes of outbound compressed replication data (size after compression, from DSAs in other sites). The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_KBYTES_COMPRESSED_SINCE_BOOT_AFTER or DRAOACBT (historical name), *DRA Outbound KBytes Compressed Since Boot After* (caption), K3Z_DRA_Outbound_KBytes_Compressed_Since_Boot_After (attribute name), and DRAOACBT (column name).

DRA Outbound KBytes Compressed Since Boot Before
Original size in bytes of outbound compressed replication data (size before compression, from DSAs in other sites). The type is integer (32-bit gauge) with enumerated values. The following values are

defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_KBYTES_COMPRESSED_SINCE_BOOT_BEFORE or DRAOBCBT (historical name), *DRA Outbound KBytes Compressed Since Boot Before* (caption), K3Z_DRA_Outbound_KBytes_Compressed_Since_Boot_Before (attribute name), and DRAOBCBT (column name).

DRA Outbound KBytes Not Compressed Since Boot
Number of bytes replicated out that were not compressed (for example, from DSAs in the same site). The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_KBYTES_NOT_COMPRESSED_SINCE_BOOT or DRAONCBT (historical name), *DRA Outbound KBytes Not Compressed Since Boot* (caption), K3Z_DRA_Outbound_KBytes_Not_Compressed_Since_Boot (attribute name), and DRAONCBT (column name).

DRA Outbound KBytes Total Since Boot
Total number of bytes replicated out. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_KBYTES_TOTAL_SINCE_BOOT or DRAOBTBT (historical name), *DRA Outbound KBytes Total Since Boot* (caption), K3Z_DRA_Outbound_KBytes_Total_Since_Boot (attribute name), and DRAOBTBT (column name).

DRA Outbound Objects Filtered Per Sec
The number of objects that were determined by outbound replication. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_OBJECTS_FILTERED_PER_SEC or DRAOBJFLT (historical name), *DRA Outbound Objects Filtered Per Sec* (caption), K3Z_DRA_Outbound_Objects_Filtered_Per_Sec (attribute name), and DRAOBJFLT (column name).

DRA Outbound Objects Per Sec
The number of objects replicated out. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_OBJECTS_PER_SEC or DRAOBJ (historical name), *DRA Outbound Objects Per Sec* (caption), K3Z_DRA_Outbound_Objects_Per_Sec (attribute name), and DRAOBJ (column name).

DRA Outbound Objects Percent Filtered
The percentage of Outbound Objects Filtered. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_OBJECTS_PERCENT_FILTERED or DRAOBOFLTP (historical name), *DRA Outbound Objects Percent Filtered* (caption), K3Z_DRA_Outbound_Objects_Percent_Filtered (attribute name), and DRAOBOFLTP (column name).

DRA Outbound Properties Per Sec
The number of properties replicated out. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_PROPERTIES_PER_SEC or DRAOPRP (historical name), *DRA Outbound Properties Per Sec* (caption), K3Z_DRA_Outbound_Properties_Per_Sec (attribute name), and DRAOPRP (column name).

DRA Outbound Total Connections
The total number of outbound replication connections. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_TOTAL_CONNECTIONS or DRAOBTOC (historical name), *DRA Outbound Total Connections* (caption), K3Z_DRA_Outbound_Total_Connections (attribute name), and DRAOBTOC (column name).

DRA Outbound Values Per Sec

The number of object property values containing DNs sent to outbound replication partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_VALUES_PER_SEC or DRAOBVAL (historical name), *DRA Outbound Values Per Sec* (caption), K3Z_DRA_Outbound_Values_Per_Sec (attribute name), and DRAOBVAL (column name).

DRA Outbound Values Total Per Sec

The number of object property values sent to outbound replication partners. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_OUTBOUND_VALUES_TOTAL_PER_SEC or DRAOBVALTL (historical name), *DRA Outbound Values Total Per Sec* (caption), K3Z_DRA_Outbound_Values_Total_Per_Sec (attribute name), and DRAOBVALTL (column name).

DRA Pending Replication Operations

The total number of replication operations on the directory that are queued for this server but not yet performed. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_PENDING_REPLICATION_OPERATIONS or DRAPREPO (historical name), *DRA Pending Replication Operations* (caption), K3Z_DRA_Pending_Replication_Operations (attribute name), and DRAPREPO (column name).

DRA Pending Replication Synchronizations

The number of directory synchronizations that are queued for this server but not yet processed. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_PENDING_REPLICATION_SYNCHRONIZATIONS or DRAPRPLSYN (historical name), *DRA Pending Replication Synchronizations* (caption), K3Z_DRA_Pending_Replication_Synchronizations (attribute name), and DRAPRPLSYN (column name).

DRA Reads

The percentage of directory reads from the directory replication agent. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_READS or DRARDS (historical name), *DRA Reads* (caption), K3Z_DRA_Reads (attribute name), and DRARDS (column name).

DRA Searches

The percentage of directory searches from the DRA. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_SEARCHES or DRASRC (historical name), *DRA Searches* (caption), K3Z_DRA_Searches (attribute name), and DRASRC (column name).

DRA Site BridgeHead Count

The number of bridgehead servers found in the local site. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_SITE_BRIDGEHEAD_COUNT or DRASBHC (historical name), *DRA Site BridgeHead Count* (caption), K3Z_DRA_Site_BridgeHead_Count (attribute name), and DRASBHC (column name).

DRA SiteLink Count

The sitelink count. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_SITELINK_COUNT or DRASLC (historical name), *DRA SiteLink Count* (caption), K3Z_DRA_SiteLink_Count (attribute name), and DRASLC (column name).

DRA Sync Failures on Schema Mismatch
The number of sync requests made to neighbors that failed because their schema are not synchronized. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_SYNC_FAILURES_ON_SCHEMA_MISMATCH or DRASYNFL (historical name), *DRA Sync Failures on Schema Mismatch* (caption), K3Z_DRA_Sync_Failures_on_Schema_Mismatch (attribute name), and DRASYNFL (column name).

DRA Sync Requests Made
The number of synchronization requests made to neighbors. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DRA_SYNC_REQUESTS_MADE or DRASYNCRQ (historical name), *DRA Sync Requests Made* (caption), K3Z_DRA_Sync_Requests_Made (attribute name), and DRASYNCRQ (column name).

DRA Sync Requests Success
The number of synchronization requests made to neighbors that were successfully returned. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_DRA_SYNC_REQUESTS_SUCCESS or DRASYNRQ (historical name), *DRA Sync Requests Success* (caption), K3Z_DRA_Sync_Requests_Success (attribute name), and DRASYNRQ (column name).

DRA Threads Getting NC Changes Holding Semaphore
The number of threads on the server which are currently attempting to acquire changes from another server and hold a semaphore required to get these changes. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_THREADS_GETTING_NC_CHANGES_HOLDING_SEMAPHORE or DRANCSEM (historical name), *DRA Threads Getting NC Changes Holding Semaphore* (caption), K3Z_DRA_Threads_Getting_NC_Changes_Holding_Semaphore (attribute name), and DRANCSEM (column name).

DRA Threads Getting NC Changes
The number of threads on the server which are currently attempting to acquire changes from another server. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_DRA_THREADS_GETTING_NC_CHANGES or DRANCC (historical name), *DRA Threads Getting NC Changes* (caption), K3Z_DRA_Threads_Getting_NC_Changes (attribute name), and DRANCC (column name).

DRA Writes
The percentage of directory writes from the DRA. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_DRA_WRITES or DRAWRITES (historical name), *DRA Writes* (caption), K3Z_DRA_Writes (attribute name), and DRAWRITES (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

DRA Hostname(Superseded)
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_DRA_HOSTNAME or DRAHN (historical name), DRA Hostname(Superseded) (caption), K3Z_DRA_Hostname (attribute name), and DRAHN (column name).

Replication Partner data set

The Replication Partner attributes display replication partner information for each replication partner. This data set has the option to cache the data it collects for some configurable period.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

RPL Directory Partition
The directory partition for replication. The type is string.

The following names are defined for this attribute: K3Z_RPL_DIRECTORY_PARTITION_V631 or RPLDIRLI (historical name), RPL Directory Partition (caption), K3Z_RPL_Directory_Partition_v631 (attribute name), and RPLDIRLI (column name).

RPL Directory Partition(Superseded)
The directory partition for replication. The type is string.

The following names are defined for this attribute: K3Z_RPL_DIRECTORY_PARTITION or RPLDIR (historical name), RPL Directory Partition(Superseded) (caption), K3Z_RPL_Directory_Partition (attribute name), and RPLDIR (column name).

RPL Fail Reason Text
The text of the error message for the replication failure of the replication partner. The error message is truncated to 384 bytes. The type is string.

The following names are defined for this attribute: K3Z_RPL_FAIL_REASON_TEXT_V623 or RPLFRTU (historical name), RPL Fail Reason Text (caption), K3Z_RPL_Fail_Reason_Text_v623 (attribute name), and RPLFRTU (column name).

RPL Fail Reason Text(Superseded)
The text of the error message for the replication failure of the replication partner. The error message is truncated to 128 bytes. The type is string.

The following names are defined for this attribute: K3Z_RPL_FAIL_REASON_TEXT or RPLFRT (historical name), RPL Fail Reason Text(Superseded) (caption), K3Z_RPL_Fail_Reason_Text (attribute name), and RPLFRT (column name).

RPL Hostname
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_RPL_HOSTNAME_V631 or RPLHNLI (historical name), RPL Hostname (caption), K3Z_RPL_Hostname_v631 (attribute name), and RPLHNLI (column name).

RPL Hostname(Superseded)
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_RPL_HOSTNAME or RPLHN (historical name), RPL Hostname(Superseded) (caption), K3Z_RPL_Hostname (attribute name), and RPLHN (column name).

RPL Number Failures
The number of failed replication attempts with the replication partner. The type is integer (32-bit counter).

The following names are defined for this attribute: K3Z_RPL_NUMBER_FAILURES or RPLFAIL (historical name), RPL Number Failures (caption), K3Z_RPL_Number_Failures (attribute name), and RPLFAIL (column name).

RPL Partner Last Attempt Time
The last time replication was attempted with replication partner. The type is timestamp.

The following names are defined for this attribute: K3Z_RPL_PARTNER_LAST_ATTEMPT_TIME_V6312 or RPLPATMS (historical name), RPL Partner Last Attempt Time (caption), K3Z_RPL_Partner_Last_Attempt_Time_v6312 (attribute name), and RPLPATMS (column name).

RPL Partner Last Attempt Time(Superseded)
The last time replication was attempted with the replication partner. The type is string.

The following names are defined for this attribute: K3Z_RPL_PARTNER_LAST_ATTEMPT_TIME or RPLPATM (historical name), RPL Partner Last Attempt Time(Superseded) (caption), K3Z_RPL_Partner_Last_Attempt_Time (attribute name), and RPLPATM (column name).

RPL Partner Last Success Time
The last time replication was successful with replication partner. The type is timestamp.

The following names are defined for this attribute: K3Z_RPL_PARTNER_LAST_SUCCESS_TIME_V6312 or RPLPSTMS (historical name), RPL Partner Last Success Time (caption), K3Z_RPL_Partner_Last_Success_Time_v6312 (attribute name), and RPLPSTMS (column name).

RPL Partner Last Success Time(Superseded)
The last time replication was successful with the replication partner. The type is string.

The following names are defined for this attribute: K3Z_RPL_PARTNER_LAST_SUCCESS_TIME or RPLPSTM (historical name), RPL Partner Last Success Time(Superseded) (caption), K3Z_RPL_Partner_Last_Success_Time (attribute name), and RPLPSTM (column name).

RPL Partner Name
The host name of the replication partner. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_RPL_PARTNER_NAME or RPLPART (historical name), RPL Partner Name (caption), K3Z_RPL_Partner_Name (attribute name), and RPLPART (column name).

RPL Partner Site Name
The site name for the replication partner. The type is string.

The following names are defined for this attribute: K3Z_RPL_PARTNER_SITE_NAME or RPLPST (historical name), RPL Partner Site Name (caption), K3Z_RPL_Partner_Site_Name (attribute name), and RPLPST (column name).

RPL Replication Attempt And Success time Difference
The time difference between replication partner last success time and attempt time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Time Error (2073602000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RPL_REPLICATION_ATTEMPT_AND_SUCCESS_TIME_DIFFERENCE or RPLPCLD (historical name), RPL Replication Attempt And Success time Difference (caption), K3Z_RPL_Replication_Attempt_And_Success_time_Difference (attribute name), and RPLPCLD (column name).

RPL Replication Type
The type of replication partner (IntraSite or InterSite). The type is string with enumerated values. The following values are defined: IntraSite (IntraSite), InterSite (InterSite). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RPL_REPLICATION_TYPE or RPLTYPE (historical name), RPL Replication Type (caption), K3Z_RPL_Replication_Type (attribute name), and RPLTYPE (column name).

RPL Site Name
The local site name. The type is string.

The following names are defined for this attribute: K3Z_RPL_SITE_NAME or RPLSITE (historical name), RPL Site Name (caption), K3Z_RPL_Site_Name (attribute name), and RPLSITE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Replication Partner Latency data set

Use the Replication Partner Latency attributes to display replication latency information for each replication partner. The latency is confirmed, tested, and monitored by creating a LostAndFound object that is monitored with its time stamps for the replication latency time. This data set has the option to cache the data it collects for some configurable period. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every minute and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

RLT Clock Delta With Time Server
The difference between the system times of the good time server and the replication partner. When the replication partner clock is ahead of the time server clock, the attribute value is positive. When the replication partner clock is behind the time server clock, the attribute value is negative. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Time Error (2073602000). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RLT_CLOCK_DELTA_WITH_TIME_SERVER or RLTCLDTS (historical name), *RLT Clock Delta With Time Server* (caption), K3Z_RLT_Clock_Delta_With_Time_Server (attribute name), and RLTCLDTS (column name).

RLT Clock Delta
The difference between the system times of the monitored server and the replication partner. When the replication partner clock is ahead of the local clock, the attribute value is positive. When the replication partner clock is behind the local clock, the attribute value is negative. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_RLT_CLOCK_DELTA or RLTCLD (historical name), *RLT Clock Delta* (caption), K3Z_RLT_Clock_Delta (attribute name), and RLTCLD (column name).

RLT Partner Name
The host name of the replication partner. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_RLT_PARTNER_NAME or RLTPART (historical name), *RLT Partner Name* (caption), K3Z_RLT_Partner_Name (attribute name), and RLTPART (column name).

RLT Replication Latency
The time that is required to replicate objects from a monitored server to the replication partner. A value of -1 indicates inconsistency in replication. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Inconsistent (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RLT_REPLICATION_LATENCY or RLTLAT (historical name), *RLT Replication Latency* (caption), K3Z_RLT_Replication_Latency (attribute name), and RLTLAT (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

RLT Clock Change Delta
The change in replication partner system clock compared to local system clock. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_RLT_CLOCK_CHANGE_DELTA or RLTCCD (historical name), RLT Clock Change Delta (caption), K3Z_RLT_Clock_Change_Delta (attribute name), and RLTCCD (column name).

RLT Hostname
Hostname for this server. The type is string.

The following names are defined for this attribute: K3Z_RLT_HOSTNAME_V631 or RLTHNLI (historical name), RLT Hostname (caption), K3Z_RLT_Hostname_v631 (attribute name), and RLTHNLI (column name).

RLT Hostname(Superseded)
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_RLT_HOSTNAME or RLTHN (historical name), RLT Hostname(Superseded) (caption), K3Z_RLT_Hostname (attribute name), and RLTHN (column name).

RLT Partner FQDN
The fully qualified domain name (FQDN) of the replication partner. The type is string.

The following names are defined for this attribute: K3Z_RLT_PARTNER_FQDN or RLTDN (historical name), RLT Partner FQDN (caption), K3Z_RLT_Partner_FQDN (attribute name), and RLTDN (column name).

RLT Partner Site Name
The site name for replication partner. The type is string.

The following names are defined for this attribute: K3Z_RLT_PARTNER_SITE_NAME or RLTPST (historical name), RLT Partner Site Name (caption), K3Z_RLT_Partner_Site_Name (attribute name), and RLTPST (column name).

RID Pool Information data set

The RID Pool Information attributes display information about the availability of RID pool resources in the domain.

This data set contains the following attributes:

Available RID
The total number of RIDs that can be created in the domain. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_AVAILABLE_RID or RIDAVP (historical name), Available RID (caption), K3Z_Available_RID (attribute name), and RIDAVP (column name).

Exhausted RID
The exhausted RID plus one. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_EXHAUSTED_RID or RIDEXP (historical name), Exhausted RID (caption), K3Z_Exhausted_RID (attribute name), and RIDEXP (column name).

Exhausted RID Percentage
The percentage of RIDs that are exhausted. The type is real number (32-bit counter) with two decimal places of precision.

The following names are defined for this attribute: K3Z_EXHAUSTED_RID_PERCENTAGE or RIDEPER (historical name), Exhausted RID Percentage (caption), K3Z_Exhausted_RID_Percentage (attribute name), and RIDEPER (column name).

Next RID
The RID that is available for the next security object. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_NEXT_RID or RIDNR (historical name), Next RID (caption), K3Z_Next_RID (attribute name), and RIDNR (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

RID Allocation Pool End
The end of the RID pool that is currently allocated to the domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_RID_ALLOCATION_POOL_END or RIDAPE (historical name), RID Allocation Pool End (caption), K3Z_RID_Allocation_Pool_End (attribute name), and RIDAPE (column name).

RID Allocation Pool Start
The start of the RID pool that is currently allocated to the domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_RID_ALLOCATION_POOL_START or RIDAPS (historical name), RID Allocation Pool Start (caption), K3Z_RID_Allocation_Pool_Start (attribute name), and RIDAPS (column name).

RID Block Size
The number of RIDs that can be currently issued at one time to the domain controller by the RID master. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1), N/A (-2), Value Exceeds Maximum (2147483647). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RID_RID_BLOCK_SIZE or RIDBS (historical name), RID Block Size (caption), K3Z_RID_RID_Block_Size (attribute name), and RIDBS (column name).

RID Master
The name of the RID Master role owner. The type is string.

The following names are defined for this attribute: K3Z_RID_MASTER or RIDMAS (historical name), RID Master (caption), K3Z_RID_Master (attribute name), and RIDMAS (column name).

RID Pool Allocation Status
Indicates whether the RID pool allocation is enabled. The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Enabled (-1), Disabled (0), Not Set (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RID_RID_POOL_ALLOCATION_STATUS or RIDPAS (historical name), RID Pool Allocation Status (caption), K3Z_RID_RID_Pool_Allocation_Status (attribute name), and RIDPAS (column name).

RID Previous Allocation Pool End
The end of the RID pool that was previously allocated to the domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_RID_PREVIOUS_ALLOCATION_POOL_END or RIDPPE (historical name), RID Previous Allocation Pool End (caption), K3Z_RID_Previous_Allocation_Pool_End (attribute name), and RIDPPE (column name).

RID Previous Allocation Pool Start
The start of the RID pool that was previously allocated to the domain controller. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_RID_PREVIOUS_ALLOCATION_POOL_START or RIDPPS (historical name), RID Previous Allocation Pool Start (caption), K3Z_RID_Previous_Allocation_Pool_Start (attribute name), and RIDPPS (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Root Directory Server data set

The Root Directory Server attributes display root directory server information. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

RDS Active Directory OS Name
The Operating System of Microsoft Active Directory. The type is string with enumerated values. The following values are defined: Not Fetched (NA). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RDS_ACTIVE_DIRECTORY_OS_NAME or RDSADOS (historical name), *RDS Active Directory OS Name* (caption), K3Z_RDS_Active_Directory_OS_Name (attribute name), and RDSADOS (column name).

RDS Active Directory Version
The version of Microsoft Active Directory. The type is integer (32-bit numeric property).

The following names are defined for this attribute: K3Z_RDS_ACTIVE_DIRECTORY_VERSION or RDSADV (historical name), *RDS Active Directory Version* (caption), K3Z_RDS_Active_Directory_Version (attribute name), and RDSADV (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

RDS Domain Controller Functionality
Indicates the functional level of the domain controller. The valid functional levels are:

- Windows 2000 Mode
- Windows Server 2003 Mode
- Windows Server 2008 Mode
- Windows Server 2008 R2 Mode

- Windows Server 2012 Mode

The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Windows 2000 Mode (0), Windows Server 2003 Mode (2), Windows Server 2008 Mode (3), Windows Server 2008 R2 Mode (4), Windows Server 2012 Mode (5), Windows Server 2012 R2 Mode (6), NOT AVAILABLE (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RDS_DOMAIN_CONTROLLER_FUNCTIONALITY or RDSDCFUN (historical name), RDS Domain Controller Functionality (caption), K3Z_RDS_Domain_Controller_Functionality (attribute name), and RDSDCFUN (column name).

RDS Domain Controller Response Time

The time (in milliseconds) that is currently taken to bind to the domain controller. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RDS_DOMAIN_CONTROLLER_RESPONSE_TIME or RDSDCRT (historical name), RDS Domain Controller Response Time (caption), K3Z_RDS_Domain_Controller_Response_Time (attribute name), and RDSDCRT (column name).

RDS Domain Functionality

Indicates the functional level of the domain. The valid functional levels are:

- Windows 2000 Domain Mode
- Windows Server 2003 Interim Domain Mode
- Windows Server 2003 Domain Mode
- Windows Server 2008 Domain Mode
- Windows 2008 R2 Domain Mode
- Windows 2012 Domain Mode

The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Windows 2000 Domain Mode (0), Windows Server 2003 Interm Domain Mode (1), Windows Server 2003 Domain Mode (2), Windows Server 2008 Domain Mode (3), Windows Server 2008 R2 Domain Mode (4), Windows Server 2012 Domain Mode (5), Windows Server 2012 R2 Domain Mode (6), NOT AVAILABLE (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RDS_DOMAIN_FUNCTIONALITY or RDSDMFUN (historical name), RDS Domain Functionality (caption), K3Z_RDS_Domain_Functionality (attribute name), and RDSDMFUN (column name).

RDS Forest Functionality

Indicates the functional level of the forest. The valid functional levels are:

- Windows 2000 Forest Mode
- Windows Server 2003 Interim Forest Mode
- Windows Server 2003 Forest Mode
- Windows Server 2008 Forest Mode
- Windows 2008 R2 Forest Mode
- Windows 2012 Forest Mode

The type is integer (32-bit numeric property) with enumerated values. The following values are defined: Windows 2000 Forest Mode (0), Windows Server 2003 Interm Forest Mode (1), Windows Server 2003 Forest Mode (2), Windows Server 2008 Forest Mode (3), Windows Server 2008 R2 Forest Mode (4), Windows Server 2012 Forest Mode (5), Windows Server 2012 R2 Forest Mode (6), NOT AVAILABLE (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_RDS_FOREST_FUNCTIONALITY or RDSFRFUN (historical name), RDS Forest Functionality (caption), K3Z_RDS_Forest_Functionality (attribute name), and RDSFRFUN (column name).

RDS RDS Root FQDN
The fully qualified root domain name. The type is string.

The following names are defined for this attribute: K3Z_RDS_ROOT_FQDN or RDSFDN (historical name), RDS RDS Root FQDN (caption), K3Z_RDS_Root_FQDN (attribute name), and RDSFDN (column name).

RDS Root Domain Name
The root domain name. The type is string.

The following names are defined for this attribute: K3Z_RDS_ROOT_DOMAIN_NAME or RDSRDN (historical name), RDS Root Domain Name (caption), K3Z_RDS_Root_Domain_Name (attribute name), and RDSRDN (column name).

Security Accounts Manager data set

Use the Security Accounts Manager attributes to create eventing thresholds to monitor statistics about the Security Accounts Manager (SAM) interface, that provides compatibility between Windows 2000 and Windows NT 4 domains. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

SAM Account Group Evaluation Latency
The time taken by SAM to evaluate an account group. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_ACCOUNT_GROUP_MEMBERSHIP_EVALUATIONS_PER_SEC or SAMACTGRP (historical name), *SAM Account Group Evaluation Latency* (caption), K3Z_SAM_Account_Group_Membership_Evaluations_per_sec (attribute name), and SAMACTGRP (column name).

SAM Create Machine Attempts per sec
The number of SAM create system or computer attempts per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_CREATE_MACHINE_ATTEMPTS_PER_SEC or SAMMCATM (historical name), *SAM Create Machine Attempts per sec* (caption), K3Z_SAM_Create_Machine_Attempts_per_sec (attribute name), and SAMMCATM (column name).

SAM Create User Attempts per sec
The number of SAM create user attempts per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_CREATE_USER_ATTEMPTS_PER_SEC or SAMUSRATM (historical name), *SAM Create User Attempts per sec* (caption), K3Z_SAM_Create_User_Attempts_per_sec (attribute name), and SAMUSRATM (column name).

SAM Domain Local Group Membership Evaluations sec
The number of domain local group memberships evaluations per second at authentication time. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_SAM_DOMAIN_LOCAL_GROUP_MEMBERSHIP_EVALUATIONS_SEC or SAMDLGME (historical name), *SAM Domain Local Group Membership Evaluations sec* (caption), K3Z_SAM_Domain_Local_Group_Membership_Evaluations_sec (attribute name), and SAMDLGME (column name).

SAM Enumerations per sec
The number of SAM enumerations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_ENUMERATIONS_PER_SEC or SAMENMR (historical name), *SAM Enumerations per sec* (caption), K3Z_SAM_Enumerations_per_sec (attribute name), and SAMENMR (column name).

SAM GC Evaluations per sec
The number of SAM global catalog evaluations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_GC_EVALUATIONS_PER_SEC or SAMGCEVAL (historical name), *SAM GC Evaluations per sec* (caption), K3Z_SAM_GC_Evaluations_per_sec (attribute name), and SAMGCEVAL (column name).

SAM Membership changes per sec
The number of SAM membership changes per sec. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_MEMBERSHIP_CHANGES_PER_SEC or SAMMEM (historical name), *SAM Membership changes per sec* (caption), K3Z_SAM_Membership_changes_per_sec (attribute name), and SAMMEM (column name).

SAM Non Transitive Membership Evaluations per sec
The number of SAM nontransitive membership evaluations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_NON_TRANSITIVE_MEMBERSHIP_EVALUATIONS_PER_SEC or SAMNTMEM (historical name), *SAM Non Transitive Membership Evaluations per sec* (caption), K3Z_SAM_Non_Transitive_Membership_Evaluations_per_sec (attribute name), and SAMNTMEM (column name).

SAM Password Changes per sec
The number of SAM password changes per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_PASSWORD_CHANGES_PER_SEC or SAMPWDCNG (historical name), *SAM Password Changes per sec* (caption), K3Z_SAM_Password_Changes_per_sec (attribute name), and SAMPWDCNG (column name).

SAM Query Displays per sec
The number of SAM query displays per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_QUERY_DISPLAYS_PER_SEC or SAMQRYDSP (historical name), *SAM Query Displays per sec* (caption), K3Z_SAM_Query_Displays_per_sec (attribute name), and SAMQRYDSP (column name).

SAM Reads
The percentage of directory reads from SAM. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_READS or SAMRDS (historical name), *SAM Reads* (caption), K3Z_SAM_Reads (attribute name), and SAMRDS (column name).

SAM Resource Group Evaluation Latency
The mean latency of the last 100 resource group evaluations performed for authentication. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Undefined (-1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_SAM_RESOURCE_GROUP_EVALUATION_LATENCY or SAMRGEL (historical name), *SAM Resource Group Evaluation Latency* (caption), K3Z_SAM_Resource_Group_Evaluation_Latency (attribute name), and SAMRGEL (column name).

SAM Resource Group
The number of SAM resource group membership evaluations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_RESOURCE_GROUP or SAMRSRC (historical name), *SAM Resource Group* (caption), K3Z_SAM_Resource_Group (attribute name), and SAMRSRC (column name).

SAM Searches
The percentage of directory searches from SAM. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_SEARCHES or SAMSRC (historical name), *SAM Searches* (caption), K3Z_SAM_Searches (attribute name), and SAMSRC (column name).

SAM Successful Create Machines per sec
The number of systems or computers that were successfully created per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_SUCCESSFUL_CREATE_MACHINES_PER_SEC or SAMMCCRT (historical name), *SAM Successful Create Machines per sec* (caption), K3Z_SAM_Successful_Create_Machines_per_sec (attribute name), and SAMMCCRT (column name).

SAM Successful Create Users per sec
The number of users that were successfully created per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_SUCCESSFUL_CREATE_USERS_PER_SEC or SAMUSRCRT (historical name), *SAM Successful Create Users per sec* (caption), K3Z_SAM_Successful_Create_Users_per_sec (attribute name), and SAMUSRCRT (column name).

SAM Transitive Membership Evaluations per sec
The number of SAM transitive membership evaluations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_TRANSITIVE_MEMBERSHIP_EVALUATIONS_PER_SEC or SAMTMEVAL (historical name), *SAM Transitive Membership Evaluations per sec* (caption), K3Z_SAM_Transitive_Membership_Evaluations_per_sec (attribute name), and SAMTMEVAL (column name).

SAM Universal Group Membership Evaluations per sec
The number of SAM universal group membership evaluations per second. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_UNIVERSAL_GROUP_MEMBERSHIP_EVALUATIONS_PER_SEC or SAMUGMEVAL (historical name), *SAM Universal Group Membership Evaluations per sec* (caption), K3Z_SAM_Universal_Group_Membership_Evaluations_per_sec (attribute name), and SAMUGMEVAL (column name).

SAM Writes
The percentage of directory writes from SAM. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_SAM_WRITES or SAMWRITES (historical name), *SAM Writes* (caption), K3Z_SAM_Writes (attribute name), and SAMWRITES (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Services data set

Use the Services attributes to view status and configuration information about each service installed on the NT Server. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 5 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Account ID (Unicode)
The account name under which the service process is on when it runs in UTF8. The ID takes the form of DomainName\UserName such as . \LocalSystem. The type is string.

The following names are defined for this attribute: ACCOUNT_ID_U or UACCONTID (historical name), *Account ID (Unicode)* (caption), Account_ID_U (attribute name), and UACCONTID (column name).

Binary Path (Unicode)
The fully qualified path to the service binary executable in UTF8. The type is string.

The following names are defined for this attribute: BINARY_PATH_U or UBINARYEX (historical name), *Binary Path (Unicode)* (caption), Binary_Path_U (attribute name), and UBINARYEX (column name).

Current State
The current state of the service, which can be one of the following states: Stopped; Start Pending; Stop Pending; Running; Continue Pending; Paused Pending; or Paused. The type is string.

The following names are defined for this attribute: CURRENT_STATE or CURRSTAT (historical name), *Current State* (caption), Current_State (attribute name), and CURRSTAT (column name).

Display Name (Unicode)
The name of the service as it appears in the NT Service Control Manager applet in UTF8. The type is string.

The following names are defined for this attribute: DISPLAY_NAME_U or UDISPNAME (historical name), *Display Name (Unicode)* (caption), Display_Name_U (attribute name), and UDISPNAME (column name).

Load Order Group
The name of the load ordering group of which this service is a member. Services can be placed in groups so that other services can have dependencies on a group of services. If the service is not in a load ordering group, this field is blank. The type is string.

The following names are defined for this attribute: LOAD_ORDER_GROUP or LORGROUP (historical name), *Load Order Group* (caption), Load_Order_Group (attribute name), and LORGROUP (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Service Name
The internal name of the service in the Service Control Manager database. The maximum size of the string is 256 bytes. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: SERVICE_NAME or SRVCNAME (historical name), *Service Name* (caption), Service_Name (attribute name), and SRVCNAME (column name).

Start Type
Specifies how to start the service. This type can be Boot, System, Automatic, Manual, Disabled or Unknown. The type is string with enumerated values. The following values are defined: Boot (Boot),

System (System), Automatic (Automatic), Manual (Manual), Disabled (Disabled), Unknown (Unknown). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: START_TYPE or STARTYPE (historical name), *Start Type* (caption), Start_Type (attribute name), and STARTYPE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Account ID
The account name under which the service process is logged on when it runs. The ID takes the form of DomainName\UserName such as .\LocalSystem. The type is string.

The following names are defined for this attribute: ACCOUNT_ID or ACCONTID (historical name), Account ID (caption), Account_ID (attribute name), and ACCONTID (column name).

Binary Path
The fully qualified path to the service binary executable. The type is string.

The following names are defined for this attribute: BINARY_PATH or BINARYEX (historical name), Binary Path (caption), Binary_Path (attribute name), and BINARYEX (column name).

Display Name
The name of the service as it appears in the NT Service Control Manager applet. This string has a maximum length of 256 bytes. The type is string.

The following names are defined for this attribute: DISPLAY_NAME or DISPNAME (historical name), Display Name (caption), Display_Name (attribute name), and DISPNAME (column name).

ROWNO
Row Number The type is integer (32-bit numeric property).

The following names are defined for this attribute: ROWNO (historical name), ROWNO (caption), ROWNO (attribute name), and ROWNO (column name).

SAMPLENO
Sample Number The type is integer (32-bit numeric property).

The following names are defined for this attribute: SAMPLENO (historical name), SAMPLENO (caption), SAMPLENO (attribute name), and SAMPLENO (column name).

Sysvol Replication data set

The Sysvol Replication attributes provide information about the Sysvol replication test.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

SYSRPL Partner Name
The name of the replication partner. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_SYSRPL_PARTNER_NAME or SYSPN (historical name), SYSRPL Partner Name (caption), K3Z_SYSRPL_Partner_Name (attribute name), and SYSPN (column name).

SYSRPL Replication Result
The result of the Sysvol replication test. The result can be Success or Failure. The type is integer (32-bit gauge) with enumerated values. The following values are defined: Failure (0), Success (1). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_SYSRPL_REPLICATION_RESULT or SYSRS (historical name), SYSRPL Replication Result (caption), K3Z_SYSRPL_Replication_Result (attribute name), and SYSRS (column name).

SYSRPL Replication Test Start Time
The date and time on the domain controller when the Sysvol replication test was started. The type is timestamp.

The following names are defined for this attribute: K3Z_SYSRPL_REPLICATION_TEST_START_TIME or SYSRTST (historical name), SYSRPL Replication Test Start Time (caption), K3Z_SYSRPL_Replication_Test_Start_Time (attribute name), and SYSRTST (column name).

SYSRPL Replication Test Verification Time
The date and time on the domain controller when the results of Sysvol replication test are verified. The type is timestamp.

The following names are defined for this attribute: K3Z_SYSRPL_REPLICATION_TEST_VERIFICATION_TIME or SYSRTVT (historical name), SYSRPL Replication Test Verification Time (caption), K3Z_SYSRPL_Replication_Test_Verification_Time (attribute name), and SYSRTVT (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Trust data set

Use the Trust attributes to display Active Directory Trust information. This data set has the option to cache the data it collects for some configurable period. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Trust Direction
The direction of the trust. Trust direction can be DISABLED, TWO WAY TRUST, INBOUND TRUST, or OUTBOUND TRUST. The type is string with enumerated values. The following values are defined: DISABLED (DISABLED), TWO WAY TRUST (TWO_WAY_TRUST), INBOUND TRUST (INBOUND_TRUST), INBOUND TRUST (TRUSTED), OUTBOUND TRUST (OUTBOUND_TRUST), OUTBOUND TRUST (TRUSTING). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_DIRECTION or TRSDIR (historical name), *Trust Direction* (caption), K3Z_Trust_Direction (attribute name), and TRSDIR (column name).

Trust Domain Name
The domain name of the trusted domain. This attribute is a key attribute. The type is string with enumerated values. The following values are defined: NOT AVAILABLE (NOT_AVAILABLE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_DOMAIN_NAME or TRSDOMNAM (historical name), *Trust Domain Name* (caption), K3Z_Trust_Domain_Name (attribute name), and TRSDOMNAM (column name).

Trust NetBIOS Name
The NetBIOS name of the trusted domain. The type is string with enumerated values. The following values are defined: NOT AVAILABLE (NOT_AVAILABLE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_NETBIOS_NAME or TRSNBNAM (historical name), *Trust NetBIOS Name* (caption), K3Z_Trust_NetBIOS_Name (attribute name), and TRSNBNAM (column name).

Trust Status
The status of the trust that is determined by running the netdom command line utility. Trust status can be Success, Failed, None, or NOT AVAILABLE. The type is string with enumerated values. The following values are defined: Success (Success), Failed (Failed), None (None), NOT AVAILABLE (NOT_AVAILABLE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_STATUS or TRSSTAT (historical name), *Trust Status* (caption), K3Z_Trust_Status (attribute name), and TRSSTAT (column name).

Trust Added
Specifies whether this trust was recently added. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_ADDED or TRSADD (historical name), Trust Added (caption), K3Z_Trust_Added (attribute name), and TRSADD (column name).

Trust Dropped
Whether this trust was recently dropped. The type is string with enumerated values. The following values are defined: TRUE (TRUE), FALSE (FALSE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_DROPPED or TRSDRP (historical name), Trust Dropped (caption), K3Z_Trust_Dropped (attribute name), and TRSDRP (column name).

Trust Hostname
The FQDN for this server. The type is string.

The following names are defined for this attribute: K3Z_TRUST_HOSTNAME or TRSHN (historical name), Trust Hostname (caption), K3Z_Trust_Hostname (attribute name), and TRSHN (column name).

Trust Local Domain
Default domain name associated with this server. The type is string.

The following names are defined for this attribute: K3Z_TRUST_LOCAL_DOMAIN or TRSLDOM (historical name), Trust Local Domain (caption), K3Z_Trust_Local_Domain (attribute name), and TRSLDOM (column name).

Trust Type
The type of the trust. Trust types can be UPLEVEL, DOWNLEVEL, MIT, or DCE. The type is string with enumerated values. The following values are defined: UPLEVEL (UPLEVEL), DOWNLEVEL (DOWNLEVEL), MIT (MIT), DCE (DCE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_TYPE or TRSTYP (historical name), Trust Type (caption), K3Z_Trust_Type (attribute name), and TRSTYP (column name).

Trust Topology data set

The Trust Topology attributes display the trust relationships within an Active Directory forest. When the Active Directory becomes unstable or a trust relationship is being created, the trust topology displays incorrect relationships. The Active Directory becomes unstable when a domain is removed and the metadata from the other domains is not removed. The trust relationship is in the creation phase when the trust is created in one domain and is not defined in the other domain.

This data set contains the following attributes:

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), Node (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), Timestamp (caption), Timestamp (attribute name), and TIMESTAMP (column name).

Trust Topology Domain Name
The domain name of the trust relationship. The appearance of the Enum is not specific to any operating system. This attribute is a key attribute. The type is string with enumerated values. The following values are defined: NOT AVAILABLE (NOT_AVAILABLE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_TOPOLOGY_DOMAIN_NAME or TRSTPDMNM (historical name), Trust Topology Domain Name (caption), K3Z_Trust_Topology_Domain_Name (attribute name), and TRSTPDMNM (column name).

Trust Topology Trust Direction
The direction of the trust relationship. The direction can be DISABLED, TWO WAY TRUST, INBOUND TRUST, or OUTBOUND TRUST. The type is string with enumerated values. The following values are defined: DISABLED (DISABLED), TWO WAY TRUST (TWO_WAY_TRUST), INBOUND TRUST (INBOUND_TRUST), OUTBOUND TRUST (OUTBOUND_TRUST). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_TOPOLOGY_TRUST_DIRECTION or TRSTPDIR (historical name), Trust Topology Trust Direction (caption), K3Z_Trust_Topology_Trust_Direction (attribute name), and TRSTPDIR (column name).

Trust Topology Trust From
The partner domain of the trust relationship that is used for creating a graphical topology view. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: K3Z_TRUST_TOPOLOGY_TRUST_FROM or TRSTPFRM (historical name), Trust Topology Trust From (caption), K3Z_Trust_Topology_Trust_From (attribute name), and TRSTPFRM (column name).

Trust Topology Trust Relation
The trust relation with the partner domain. Relation can be either INTERNAL or EXTERNAL. The type is string with enumerated values. The following values are defined: INTERNAL (INTERNAL), EXTERNAL (EXTERNAL). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_TOPOLOGY_TRUST_RELATION or TRSTPRLN (historical name), Trust Topology Trust Relation (caption), K3Z_Trust_Topology_Trust_Relation (attribute name), and TRSTPRLN (column name).

Trust Topology Trust Type
The type of trust. Trust types can be UPLEVEL, DOWNLEVEL, MIT, or DCE. The type is string with enumerated values. The following values are defined: UPLEVEL (UPLEVEL), DOWNLEVEL

(DOWNLEVEL), MIT (MIT), DCE (DCE). Any value that does not have a definition here is displayed in the User Interface.

The following names are defined for this attribute: K3Z_TRUST_TOPOLOGY_TRUST_TYPE or TRSTPTYP (historical name), Trust Topology Trust Type (caption), K3Z_Trust_Topology_Trust_Type (attribute name), and TRSTPTYP (column name).

UGCM data set

Displays count of changes made in user, group and computer accounts. This data set is configured for historical collection. Thresholds for this data set are associated with the Microsoft Active Directory component. A data sample is sent to the server every 8 minutes and is maintained for 8 days by default. The attributes shown in italic are visible in the UI. All attributes are available for thresholds.

This data set contains the following attributes:

Account Added Count
Count of newly added user, group and computer accounts. The value format is integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_UGC_ACCOUNTADDEDCOUNT or UGCMAAC (historical name), *Account Added Count* (caption), K3Z_UGC_AccountAddedCount (attribute name), and UGCMAAC (column name).

Account Deleted Count
Count of deleted user, group and computer accounts. The value format is integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_UGCM_ACCOUNTDELETEDCOUNT or UGCMADC (historical name), *Account Deleted Count* (caption), K3Z_UGCM_AccountDeletedCount (attribute name), and UGCMADC (column name).

Account Modified Count
Count of modified user, group and computer accounts. The value format is integer. The type is integer (32-bit gauge).

The following names are defined for this attribute: K3Z_UGCM_ACCOUNTMODIFIEDCOUNT or UGCMAMC (historical name), *Account Modified Count* (caption), K3Z_UGCM_AccountModifiedCount (attribute name), and UGCMAMC (column name).

Account Type
Account type name. The value format is string. The type is string.

The following names are defined for this attribute: K3Z_UGCM_ACCOUNTTYPE or UGCMAT (historical name), *Account Type* (caption), K3Z_UGCM_AccountType (attribute name), and UGCMAT (column name).

Node
The managed system name of the agent. This attribute is a key attribute. The type is string.

The following names are defined for this attribute: NODE (historical name), *Node* (caption), ORIGINNODE (attribute name), and ORIGINNODE (column name).

Timestamp
The local time at the agent when the data was collected. The type is string.

The following names are defined for this attribute: TIMESTAMP (historical name), *Timestamp* (caption), *Timestamp* (attribute name), and TIMESTAMP (column name).

Accessibility features

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

Accessibility features

The web-based interface of IBM® Cloud Application Performance Management is the Cloud APM console. The console includes the following major accessibility features:

- Enables users to use assistive technologies, such as screen-reader software and digital speech synthesizer, to hear what is displayed on the screen.[1] Consult the product documentation of the assistive technology for details on using those technologies with this product.
- Enables users to operate specific or equivalent features using only the keyboard.
- Communicates all information independently of color.[2]

The Cloud APM console uses the latest W3C Standard, WAI-ARIA 1.0, US Section 508, and Web Content Accessibility Guidelines (WCAG) 2.0. To take advantage of accessibility features, use the latest release of your screen reader in combination with the latest web browser that is supported by this product.

The Cloud APM console online product documentation in IBM Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described at IBM Knowledge Center release notes.

Keyboard navigation

This product uses standard navigation keys.

Interface information

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The Cloud APM console web user interface includes WAI-ARIA navigational landmarks that you can use to quickly navigate to functional areas in the application.

The Cloud APM console user interface does not have content that flashes 2 - 55 times per second.

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IBM and accessibility

For more information about the commitment that IBM has to accessibility, see IBM Accessibility .

[1] Exceptions include some of the **Agent Configuration** pages and historical line charts in the Cloud APM console.

[2] Exceptions include some **Agent Configuration** pages of the Cloud APM console.

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