



Configuring the IBM XIV/A9000 data collector

Cloud Insights

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Configuring the IBM XIV/A9000 data collector

IBM XIV and A9000 (CLI) data collector uses the XIV command-line interface to collect inventory data while performance collection is accomplished by making SMI-S calls to the XIV/A9000 array, which runs a SMI-S provider on port 7778.

Terminology

| Vendor/Model Term | Cloud Insights Term |
|-------------------|---------------------|
| Disk | Disk |
| Storage System | Storage |
| Storage Pool | Storage Pool |
| Volume | Volume |

Requirements

The following requirements must be met to configure and use this data collector:

- Port requirement: TCP port 7778
- Read-only user name and password
- The XIV CLI must be installed on the AU

Performance requirements

The following are requirements for performance collection:

- SMI-S Agent 1.4 or higher
- SMI-S compatible CIMService running on array. Most XIV arrays have a CIMServer installed by default.
- User login must be provided for the CIMServer. The login must have full read access to the array configuration and properties.
- SMI-S namespace. Default is root/ibm. This is configurable in the CIMServer.
- Port Requirements: 5988 for HTTP, 5989 for HTTPS.
- Refer to the following link on how to create an account for SMI-S performance collection:
http://publib.boulder.ibm.com/infocenter/tivihelp/v4r1/index.jsp?topic=%2Fcom.ibm.tpc_V41.doc%2Ffqz0_t_adding_cim_agent.html

Configuration

| Field | Description |
|--------------------------------|--|
| XIV IP address | IP address or fully-qualified domain name of the XIV storage |
| User Name | User name for the XIV storage |
| Password | Password for the XIV storage |
| Full Path to XIV CLI Directory | Full path to the folder containing the XIV CLI |
| SMI-S Host IP Address | IP address of the SMI-S host |

Advanced configuration

| Field | Description |
|---------------------------------|---|
| Inventory Poll Interval (min) | Interval between inventory polls. The default is 40 minutes. |
| SMI-S Protocol | Protocol used to connect to the SMI-S provider. Also displays the default port. |
| Override SMI-S Port | If blank, use the default port in the Connection Type field, otherwise enter the connection port to use |
| Username | User name for the SMI-S Provider Host |
| Password | Password for the SMI-S Provider Host |
| Performance Poll Interval (sec) | Interval between performance polls. The default is 300 seconds. |

Troubleshooting

Additional information on this Data Collector may be found from the [Support](#) page or in the [Data Collector Support Matrix](#).

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