



# Configuring the Hitachi Vantara NAS data collector

## Cloud Insights

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# Table of Contents

- Configuring the Hitachi Vantara NAS data collector ..... 1
  - Terminology ..... 1
  - Requirements ..... 1
  - Configuration ..... 1
  - Advanced configuration ..... 2
  - Troubleshooting ..... 2

# Configuring the Hitachi Vantara NAS data collector

The Hitachi Vantara NAS data collector is an inventory and configuration data collector that supports discovery of HDS NAS clusters. Cloud Insights supports discovering NFS and CIFS shares, file systems (Internal Volumes), and spans (Storage Pools).

## Terminology

Cloud Insights acquires the following inventory information from the HNAS data collector. For each asset type acquired by Cloud Insights, the most common terminology used for this asset is shown. When viewing or troubleshooting this data collector, keep the following terminology in mind:

Vendor/Model Term	Cloud Insights Term
Tier	Disk Group
Cluster	Storage
Node	Storage Node
Span	Storage Pool
System Drive	Backend Lun
Files System	Internal Volume

Note: These are common terminology mappings only and might not represent every case for this data collector.

## Requirements

- Device IP address
- Port 22, SSH protocol
- Username and password - privilege level: Supervisor
- Note: This data collector is SSH based, so the AU that hosts it must be able to initiate SSH sessions to TCP 22 on the HNAS itself, or the Systems Management Unit (SMU) that the cluster is connected to.

## Configuration

Field	Description
HNAS Host	IP address or fully-qualified domain name of HNAS Management Host
User Name	User name for HNAS CLI
Password	Password used for HNAS CLI

## Advanced configuration

Field	Description
Inventory Poll Interval (min)	Interval between inventory polls. The default is 30 minutes.

## Troubleshooting

Some things to try if you encounter problems with this data collector:

### Inventory

Problem:	Try this:
"Error connecting" with error messages "Error setting up shell channel:" or "Error opening shell channel"	Likely caused by network connectivity issues or SSH is misconfigured. Confirm connection with alternate SSH client
"Timeout" or "Error retrieving data" with error messages "Command: XXX has timed out."	<ul style="list-style-type: none"> <li>* Try the command with alternate SSH client</li> <li>* Increase timeout</li> </ul>
"Error connecting " or "Invalid login credentials" with error messages "Could not communicate with the device:"	<ul style="list-style-type: none"> <li>* Check IP address</li> <li>* Check user name and password</li> <li>* Confirm connection with alternate SSH client</li> </ul>

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

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