Configuring the VMware VSphere data collector

Cloud Insights

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Configuring the VMware VSphere data collector

The data collector for VMware vSphere collects ESX Host information and requires read-only privileges on all objects within the Virtual Center.

Terminology

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

Vendor/Model Term	Cloud Insights Term
Virtual disk	Disk
Host	Host
Virtual machine	Virtual machine
Data store	Data store
LUN	Volume
Fibre channel port	Port

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

Requirements

The following information is required to configure this data collector:

- IP address of the Virtual Center server
- Read-only username and password in Virtual Center
- We require read only privileges on all objects within Virtual Center.
- SDK access on the Virtual Center server – normally already setup.
- 3rd party software installed on OnCommand Insight Server / RAU: none
- Port requirements: http-80 https-443
- Validate access:
  - Log into Virtual Center Client using above username and password
  - Verify SDK enabled: telnet <vc_ip> 443

Setup and connection

Field	Description
Name	Unique name for the data collector
Acquisition unit	Name of acquisition unit

Configuration

Field	Description
Virtual center IP Address	IP address of the Virtual Center
User name	User name used to access the Virtual Center
Password	Password used to access the Virtual Center

Advanced configuration

In the advanced configuration screen, check the **VM Performance** box to collect performance data. Inventory collection is enabled by default.
The following fields can be configured:

Field	Description
Inventory poll interval (min)	Default is 20
Filter VMs	Select CLUSTER, DATACENTER, or ESX HOST
Choose 'Exclude' or 'Include' to Specify a List	Create a filter list (CLUSTER, DATACENTER, and/or ESX_HOST)
Number of retries	Default is 3
Communication port	Default is 443
Performance poll interval (sec)	Default is 300

Troubleshooting

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

Inventory

Problem:	Try this:
Error: Include list to filter VMs cannot be empty	If Include List is selected, please list valid DataCenter, Cluster, or Host names to filter VMs

Problem:	Try this:
Error: Failed to instantiate a connection to VirtualCenter at IP	Possible solutions: * Verify credentials and IP address entered. * Try to communicate with Virtual Center using VMware Infrastructure Client. * Try to communicate with Virtual Center using Managed Object Browser (e.g MOB).
Error: VirtualCenter at IP has non-conform certificate that JVM requires	Possible solutions: * Recommended: Re-generate certificate for Virtual Center by using stronger (e.g. 1024-bit) RSA key. * Not Recommended: Modify the JVM java.security configuration to leverage the constraint jdk.certpath.disabledAlgorithms to allow 512-bit RSA key. See JDK 7 update 40 release notes at "http://www.oracle.com/technetwork/java/javase/7u40-relnotes-2004172.html"

Additional information may be found from the Support page or in the Data Collector Support Matrix.

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