

STEALTHbits Access Library

How-To Guide



Access Rights Reporter for VMWare

vmware®

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Introduction

This document is designed to enable a user to install, configure, and execute the Access Rights Reporting Module (Module) for VMWare in their environment. This Module adds visibility into access to VMWare host resources granted via VMWare roles.

This Module will connect to a VMWare host, collect a list of privileges, roles, and permissions on that host, then concatenate that data into a view within the StealthAUDIT Access Information Center (AIC). This will show the permissions of accounts to on specified VMWare hosts.

StealthAUDIT® Overview

STEALTHbits' StealthAUDIT Management Platform helps organizations collect and analyze the data they need to answer their most difficult questions in the management and security of their critical IT infrastructure, data, and applications. Unlike point-products designed to address only a single need, StealthAUDIT is a true framework. With preconfigured solutions to address your most common requirements, as well as an extensive toolset for you to create solutions of your own, StealthAUDIT remains relevant even when your requirements change.

Key Features & Benefits:

- **Preconfigured Solution Sets** – StealthAUDIT contains out-of-the-box, ready to run Solution Sets aligning to Data Access Governance for Unstructured and Structured Data, Active Directory Management and Security, OS-level Auditing and Governance, and more.
- **Process Automation** – StealthAUDIT seamlessly ties together disparate processes, creating fully automated solutions that save time, avoid unnecessary costs, and alleviate burden on IT.
- **Governance** – Not all the data you need can be obtained from a system or application. StealthAUDIT provides both simple and sophisticated methods of retrieving and incorporating end-user feedback into the data analysis and decision-making process, including Entitlement Reviews, Self-Service Access Requests, and more.
- **Technology Integration** – StealthAUDIT can push and pull data to and from dozens of technologies (including home-grown systems) to enhance the value of existing and future technology investments.
- **Consolidated Reporting** – StealthAUDIT can report on any available dataset, enabling organizations to automate a multitude of reporting tasks, as well as view all of their reports in a single pane of glass.

Access Rights Reporter for VMWare Module

This document describes the process for installing and configuring the VMWare Module for the STEALTHbits Access Library into an environment where the StealthAUDIT Management Platform and the AIC are already installed and running.

Prerequisites

Prior to installing the module, confirm you have administrator rights on the StealthAUDIT console, as well as enough rights to download or copy software to the machine on which it is hosted.

You will need access to an account with administrator access on the VMWare host.

The appropriate VMWare PowerShell modules will need to be installed prior to executing. The suggested list to install is below:

- VMware.VimAutomation.Core
- VMware.VimAutomation.Vds
- VMware.VimAutomation.Cloud
- VMware.VimAutomation.PCloud
- VMware.VimAutomation.Cis.Core
- VMware.VimAutomation.Storage
- VMware.VimAutomation.HorizonView
- VMware.VimAutomation.HA
- VMware.VimAutomation.vROps
- VMware.VumAutomation
- VMware.DeployAutomation
- VMware.ImageBuilder
- VMware.VimAutomation.License

Configuration

The Active Directory Inventory should be configured and executed prior to this Module being run.

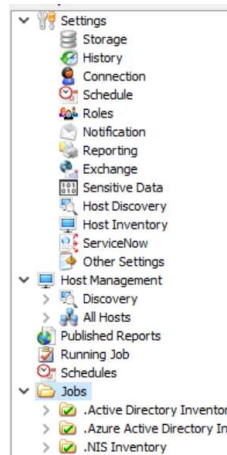
Implementation

This section will walk you through how to extract the package you have downloaded from the STEALTHbits website in the optimal way, as well as configure the information collected in the configuration section appropriately to run this Module.

Extracting the Downloaded Package

Follow the steps below to extract the downloaded package:

Step 1: Create a new Group in the StealthAUDIT Job Hierarchy by right-clicking at the "Jobs" scope and choosing "Create Group". Name the group however you choose.



Step 2: Right-click on the new Group and choose Explore Folder. The directory that opens is where the new Job that has been downloaded will be placed. Extract the job to this location.

Step 3: Either relaunch the StealthAUDIT console, or right-click on "Jobs" and choose "Refresh Tree". Your new Module should now be visible.

Setting up the Module

The Credentials expected are standard Windows Credentials with administrator access on the VMWare host. Refer to the StealthAUDIT documentation for instructions on how to configure.

The Host List should be populated with a list of VMWare hosts. Refer to the StealthAUDIT documentation for instructions on how to configure.

Execution

Set the Host Assignment to the Host Group containing the VMWare hosts. Set the connection to the credentials associated with the VMWare hosts. To execute, right-click on either the parent folder or job scope. Choose either "Run Group" or "Run Job" respectively. This will cause the Job to collect the necessary information and import it into the AIC.

See Results

Identifying in the AIC

Content will be output to the AIC to show access. No reports are included with this Module.

Step 1: Launch the AIC by double-clicking the icon on the desktop, navigating to the direct URL, or accessing it any other way that may be configured. Login as needed.

Step 2: Click on Resource Audit. Navigate to "VMWare" on the left-hand hierarchy. Expand out to see additional details.

The screenshot shows the 'Access Information Center' interface with the 'Resource Audit' tab selected. The left-hand hierarchy shows 'VMWare' expanded under 'Servers'. The main table displays permissions for four hosts: 'dcui', 'root', 'TestUser1', and 'ypouser'. The table columns include Trustee Name, Source, List, Read, Write, Delete, Manage, Applies To, Allow Mask, and Deny Mask. The 'dcui' host has full permissions (List, Read, Write, Delete, Manage) and is assigned the 'Admin' role. The 'root' host has List, Read, and Write permissions and is assigned the 'Admin' role. The 'TestUser1' host has Read and Write permissions and is assigned the 'TestRole1' role. The 'ypouser' host has List, Read, and Write permissions and is assigned the 'Admin' role.

Trustee Name	Source	List	Read	Write	Delete	Manage	Applies To	Allow Mask	Deny Mask
dcui	Direct	✓	✓	✓	✓	✓	This object	Admin	None
root	Direct	✓	✓	✓		✓	This object	Admin	None
TestUser1	Direct		✓	✓			This object	TestRole1	None
ypouser	Direct	✓	✓	✓		✓	This object	Admin	None

Information is broken down in a hierarchal view by VMWare -> VMWare Host. Clicking on a VMWare host shows all permissions assigned to that host.

Access Library Overview

STEALTHbits' Access Library is a site where STEALTHbits and STEALTHbits' users can post and share data access "connectors" for data repositories not natively supported within StealthAUDIT. Once validated by STEALTHbits, connectors can be posted and shared with the entire STEALTHbits community, whereby licensed StealthAUDIT users can browse and download connectors for free. The connectors and the data they collect are subsequently displayed within StealthAUDIT's Access Information Center (AIC) or used for custom reporting within StealthAUDIT.

Legal Notice

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