



Microsoft Azure
Inventorying Microsoft Azure

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1. Introduction

DocuSnap inventories the Azure Cloud with the resources there:

- VMs
- Computers with SQL servers
- SQL databases
- Storage accounts
- App services

There are two inventory wizards available in DocuSnap for Azure inventory. The difference between the wizards is the storage of the inventoried data.

- Azure Service
 - Data can be found below the Cloud Infrastructure - Tenant domain.
- Azure Service - Legacy
 - Data can be found below the infrastructure - domain - Azure.

To ensure that all cloud inventoried data can be found in the Cloud Infrastructure, we recommend using the wizards that are not designated as Legacy:

- Microsoft 365
- Azure Service
- AWS

2. Prerequisites

The Azure inventory requires an Entra ID App. This forms the interface between DocuSnap and the Azure cloud. The necessary Entra ID App can be created from DocuSnap. Manual creation in the Azure Portal is also possible.

You can also use the app created for Azure Service for Microsoft 365 and Exchange Online inventory.

The created Entra ID app must **also be authorized** on the Azure subscriptions after creation.

The requirements for creation are:

- The user used must be a Global Administrator
 - Only necessary for the creation of the app
 - The app to be created will not have this permission!
 - The app will then only receive read permissions to the necessary information.
- If problems occur during the creation process, you should clear the browser cache!
 - At least default browser and Internet Explorer

3. Azure Inventory

3.1 Register Entra ID App

You can open the dialogue for creating the necessary Entra ID App in two ways:

- From the Azure Inventory Wizard via the Register New Entra ID button.
 - Here, a tenant domain name is first required in step two of the wizard.
 - The name must not be the same as the OnPremise domain.
- In the DocuSnap Administration
 - Administration - Inventory - Entra ID App Registrations

Register Entra ID App

Store the necessary data for:

- Display Name (must not exist yet)
- Primary Domain / Tenant ID
- Company selection
- App Description - Optional

Select Create Code

Copy the device code and select **Perform Registration**

Your default browser will open

- Paste the device code you copied earlier
- Log in with your Global Administrator
- Confirm the prompt for the CLI

Now the required app for the Azure inventory is created and you can perform / schedule the Azure inventory.

3.2 Granting permissions

Finally, the app must be specifically authorised for the subscriptions. If you have several subscriptions, the following steps must be carried out for all subscriptions:

- From the resource overview or search, select **Subscriptions**
- Select the desired subscription
- In the subscription selection, choose **Access Control (IAM) - Add - Add Role Assignment**
- In the role overview, select the **Reader** role – choose **Next** or **Members**
- Choose **+Select members**
- In the Select field, enter the name of your application
- Select your application. It will now be listed under Selected Members
- Confirm the assignment with a click on **Save**

3.3 Perform Inventory

Launch the Azure Inventory Wizard:

- Discovery - All Wizards - Azure Service
- Inventory - All Wizards - Azure Service
- All Jobs - All Wizards - Azure Service

Select the desired company and tenant domain.

Now you need the IDs and key information previously collected in Azure:

- **Display Name** is only a placeholder and can be freely selected
- **Directory ID** corresponds to the ID of your Azure Active Directory
- The ID of the previously created application is entered as the **Application ID**
- In the **Key** field, insert the value of the previously created key.

In the Subscriptions area, all existing subscriptions are displayed and selected by default. These can be deselected if required. Note that your Azure application must be authorized for all selected subscriptions.

Then click Save. If you receive a proxy error, refer to the following section Proxy Configuration.

3.4 Proxy configuration

If a proxy is used in your network, it may be necessary for Azure Scan to set it in the connection settings. Under certain circumstances, this setting was not required for the use of the other scan modules. The key is to customize the proxy setting for the specific DDS (Docusnap Discovery Service).

Proxy Settings Docusnap Client:

- Click the gear in the top right corner of the title bar - General Options - Connections.
- Perform the manual proxy settings
- Confirm your changes with OK

Proxy Settings Docusnap Server:

- Switch to the Docusnap Server and start the Docusnap Server configuration
 - Title bar - General
- In step 4 - Server API you will find the item Proxy next to the port selection.
- Perform the manual proxy setting

Proxy Settings Docusnap Discovery Service (DDS):

- Switch to the system where the Discovery Service exists that will perform the Azure inventory.
- Launch the GUI of the DDS
- Below the settings you can perform the manual proxy configuration

LIST OF FIGURES

Es konnten keine Einträge für ein Abbildungsverzeichnis gefunden werden.

VERSION HISTORY

Date	Description
January 25, 2018	Version 1.0 completed
October 24, 2018	Changed Screenshots
August 19, 2019	Changed Screenshots
April 23, 2020	Version 2.0 - Revision of the HowTos for Docusnap 11
December 21, 2022	Version 3.0 - Revision of the HowTo for Docusnap 12
July 17, 2023	Version 3.1 - Adjustments to the Azure App
October 6, 2023	Version 3.2 - Name change Azure Active Directory to Entra-ID
