

**AWS** Inventorying of Amazon Web Services (AWS)



TITLEAWSAUTHORDocusnap ConsultingDATE09/15/2020VERSION3.0 | valid from December 21, 2022

This document contains proprietary information and may not be reproduced in any form or parts whatsoever, nor may be used by or its contents divulged to third parties without written permission of itelio GmbH. All rights reserved.



# TABLE OF CONTENTS

1.	Introduction	4
2.	Prerequisites	5
3.	Create policies	5
4.	Configure user	6
5.	Inventory AWS in Docusnap.	6



## 1. Introduction

The Amazon Web Services scan provides the ability to inventory core areas of your AWS infrastructure

- Elastic Compute Cloud (EC2)
- Identity and Access Management (IAM)
- Simple Storage Service (S3)
- Relational Database Services (RDS)
- Batch orders (batch)
- Lambda
- SQS

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

- AWS
  - Data can be found below the Cloud Infrastructure Tenant domain.
- AWS Legacy
  - o Data can be found below the infrastructure Domain AWS.

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

#### Important Information

The Amazon Web Services are regionally bound. If you use these services in different regions, you must ensure that a separate user and policies are created for each region.



## 2. Prerequisites

AWS Inventory requires policies for each of the core areas to be inventoried. The policies are then assigned to a user for programmatic access. This assignment enables an Access Key ID and a Secret Access Key.

An appropriately authorized user is required to create the policies:

- Creating policies
- Creating a user, as well as assigning the created policies.

For the actual inventory, the following data, per region, is required:

- Display name
- Access key ID
- Secret access key
- Region

### 3. Create policies

A separate policy is needed for each core area / service you want to use and inventory with Docusnap. So you need up to 7 policies for:

- EC2
- IAM
- S3
- RDS
- batch
- Lambda
- SQS

Log in to your AWS console and open

- Services IAM
- Policies Create Policies

Then use the visual editor to define the Service, Actions and Resources sections one by one.

• Service

Using Select Service, you then search for the appropriate service for which to create the policy, e.g. EC2

• Actions

The actions allowed in EC2 are set to access level List as well as Read.

• Resources It is recommended to authorize the actions through All Resources of the services.

Assign a unique name for the created policy (e.g. Docusnap\_EC2\_Inventory) as well as an optional description. Click **Create Policy** to complete the configuration.

The steps described above for creating the policy using the EC2 service as an example must now be repeated for the other services that are to be inventoried with Docusnap.



## 4. Configure user

The previously created policies are now assigned to a user. Within AWS, switch again to the

• Services - IAM - and now select Users - Add User.

**Important**: The arrangement of the mapped data in the Docusnap tree structure is based on the inventorying user, this has the region binding described at the beginning as background. Please select relevant user names for different regions here in order to be able to assign them uniquely.

- Assign a unique **User name**
- Select the access type: **Programmatic access**

In the next step, assign the created policies to the user - select

- Attach existing policies directly
- Navigate to the Filter policies option and set the filter to Managed by customer
  - o Now select the created policies and add them to this user.

**Important**: The final created data (user, access key ID as well as the secret access key) is needed for inventory and can be downloaded as CSV. These can only be viewed once after configuration!

### 5. Inventory AWS in Docusnap.

Launch the AWS Inventory Wizard:

- Discovery All Wizards AWS
- Inventory All Wizards AWS
- All Jobs All Wizards AWS

Select the desired company and tenant domain.

In the display name, you should specify the name of the user for which you will then enter the

- Access Key ID
- Secret access key
- and region

should be entered.



## LIST OF FIGURES

ES KONNTEN KEINE EINTRÄGE FÜR EIN ABBILDUNGSVERZEICHNIS GEFUNDEN WERDEN.

#### **VERSION HISTORY**

Date	Description
October 4, 2019	Version 1.0 - Description of the "Amazon Web Services" inventory module
April 23, 2020	Version 2.0 - Revision of the HowTo for Docusnap 11
December 21, 2022	Version 3.0 – Revision of the HowTo for Docusnap 12



support@docusnap.com | www.docusnap.com/support © itelio GmbH - www.itelio.com