



## Docusnap 11

Innovations and changes

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## 1. Introduction

With the release of Docusnap 11 some new features and changes are introduced in Docusnap. This document is intended to present these innovations and changes and to support you in the transition. Especially with the adaptation of the GUI of Docusnap 11 you will find many familiar actions in other places in Docusnap.

- [Adaptation of the GUI](#)
- [Dashboard customization](#)
- [Exchange Online and Exchange Online Readiness Check](#)
- [Extension of the AWS inventory - AWS Lambda and SQS](#)
- New reports and evaluation options
  - [Wiring reports and overviews](#)
  - [Topology maps for individual systems and switches](#)
  - [VLAN overview](#)
  - [Report – Currentness of Data \(data quality\)](#)
- [Extended Windows Inventory](#)
  - Components (software, services etc.) can be excluded
  - The Windows version is also inventoried now
- [Location assignment of systems based on the network address](#)
- [Wizard for cleaning systems from the database](#)
- [Wizard to clean up the license](#)
- [Copy information out of the data area](#)
- [Integration of demo data when creating a new Docusnap database](#)
- [Adapting the available host types in Docusnap](#)
- [Inventory of serial numbers of SNMP devices](#)
- [Adjustments in user management](#)
- [ZeroLogon - Reports and evaluations](#)
- [Report management now includes categories and descriptions](#)
- [New position and categorization of reports in the data tree](#)
  - [Here is a list with the old and the new names of the reports](#)

## 2. GUI in Docusnap 11

The major change in Docusnap 11 concerns the GUI.

The navigation bar has been moved to the left of the Docusnap Client.

The Docusnap Menu (formerly top left corner) has been dissolved. The individual option dialogs are now located in the title bar - General Options, Docusnap Server, Discovery Services etc. and Administration in the navigation bar.

The ribbon with various tabs - e.g. Automation, Extras, Connect - has been largely resolved. Only in a few areas you can find comparable features (e.g. Documentation - Documentation / Concepts).

Various actions have been moved from the Ribbon Command Bar to the Action Area. For example, editing and creating concepts, user and directory reports. Furthermore, also the creation, deletion and saving of objects within the data explorer.

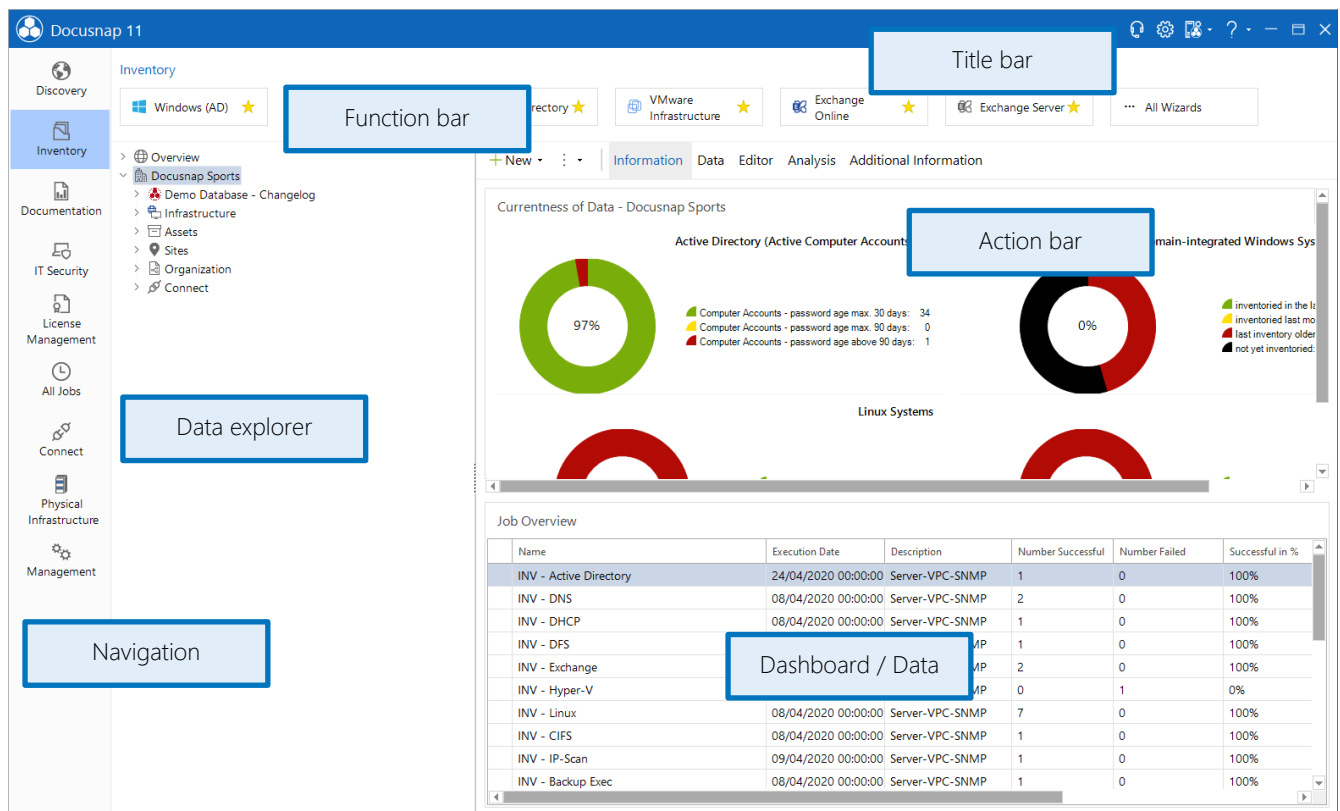


Figure 1 - Docusnap 11 - New GUI

## 2.1 (Main) Navigation

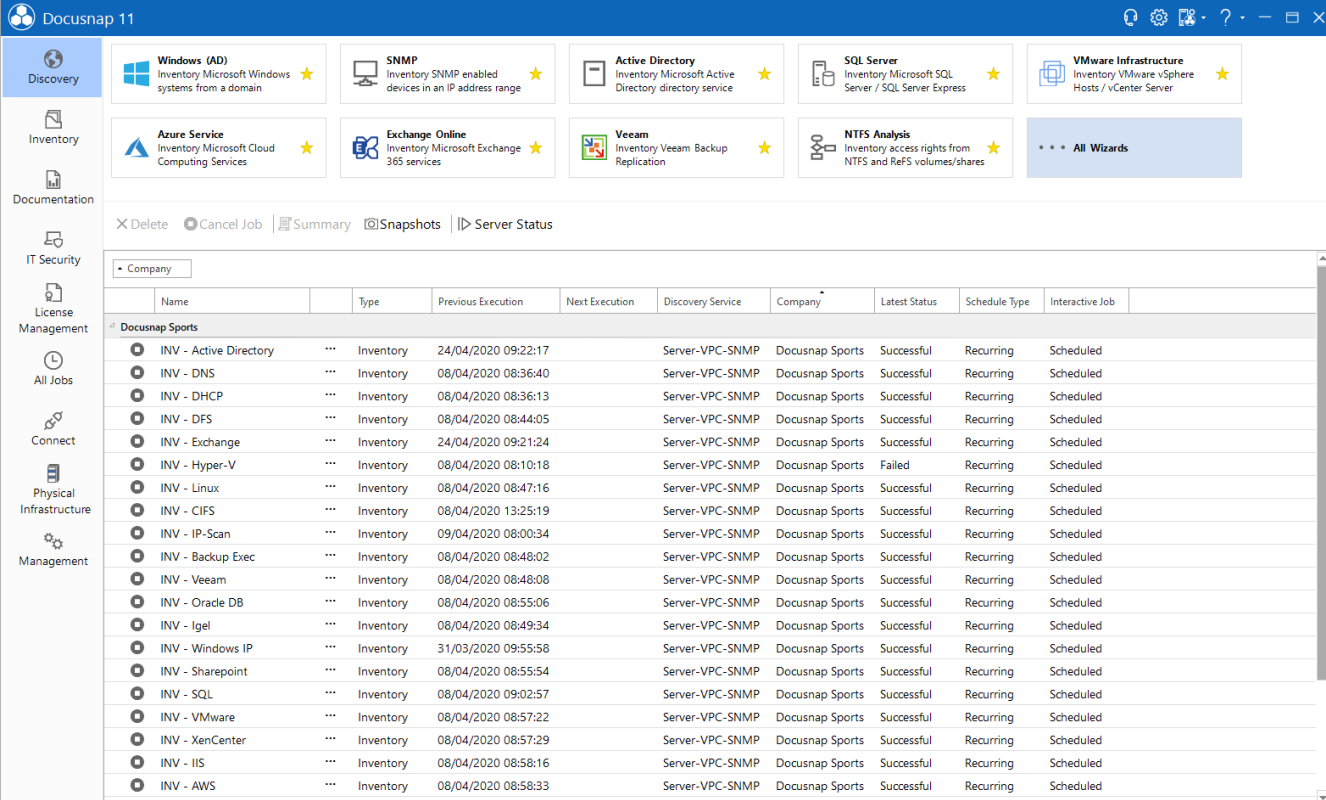
The navigation area, which allows you to switch between the individual modules / areas in Docusnap, is now located on the left side.

### 2.1.1 Discovery

Within the **Discovery** section you will find all **inventory wizards** that Docusnap provides. These include the systems, network services, databases, virtualization, cloud services, applications, script import and NTFS analysis.

You will notice that not all wizards are displayed. You can find the other wizards by clicking on the **All Wizards** button. You can pin your favorite inventory wizards with the star.

Furthermore, in the Discovery section, you will find all your **scheduled jobs of the type Inventory**.



Name	Type	Previous Execution	Next Execution	Discovery Service	Company	Latest Status	Schedule Type	Interactive Job
<b>Docusnap Sports</b>								
INV - Active Directory	Inventory	24/04/2020 09:22:17		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - DNS	Inventory	08/04/2020 08:36:40		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - DHCP	Inventory	08/04/2020 08:36:13		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - DFS	Inventory	08/04/2020 08:44:05		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Exchange	Inventory	24/04/2020 09:21:24		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Hyper-V	Inventory	08/04/2020 08:10:18		Server-VPC-SNMP	Docusnap Sports	Failed	Recurring	Scheduled
INV - Linux	Inventory	08/04/2020 08:47:16		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - CIFS	Inventory	08/04/2020 13:25:19		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - IP-Scan	Inventory	09/04/2020 08:00:34		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Backup Exec	Inventory	08/04/2020 08:48:02		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Veeam	Inventory	08/04/2020 08:48:08		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Oracle DB	Inventory	08/04/2020 08:55:06		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Igel	Inventory	08/04/2020 08:49:34		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Windows IP	Inventory	31/03/2020 09:55:58		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - Sharepoint	Inventory	08/04/2020 08:55:54		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - SQL	Inventory	08/04/2020 09:02:57		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - VMware	Inventory	08/04/2020 08:57:22		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - XenCenter	Inventory	08/04/2020 08:57:29		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - IIS	Inventory	08/04/2020 08:58:16		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled
INV - AWS	Inventory	08/04/2020 08:58:33		Server-VPC-SNMP	Docusnap Sports	Successful	Recurring	Scheduled

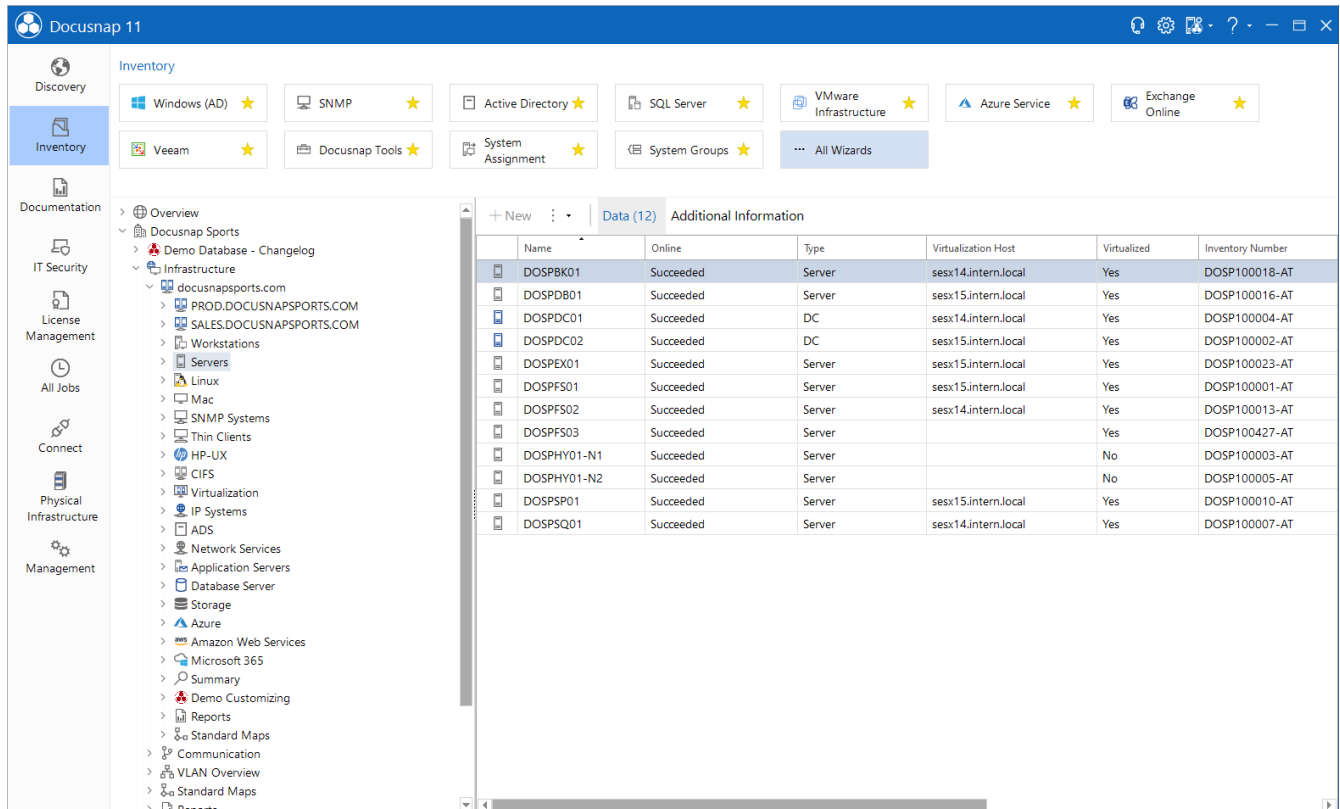
Figure 2 - Navigation - Discovery

## 2.1.2 Inventory

In the **Inventory** section you will also find a selection of inventory wizards in the function bar - if you have previously pinned your favorites, they will be applied here.

Please note that you will find not only Inventory Wizards in the toolbar, but also the wizards for Docusnap Tools, System Assignment and System Groups.

Furthermore, you will find the Data Explorer / Data Tree, which provides you with access to the inventoried data and the possibility to add further information through the editor, additional information etc.



Name	Online	Type	Virtualization Host	Virtualized	Inventory Number
DOSPBK01	Succeeded	Server	sesx14.intern.local	Yes	DOSP100018-AT
DOSPDB01	Succeeded	Server	sesx15.intern.local	Yes	DOSP100016-AT
DOSPDC01	Succeeded	DC	sesx14.intern.local	Yes	DOSP100004-AT
DOSPDC02	Succeeded	DC	sesx15.intern.local	Yes	DOSP100002-AT
DOSPPEX01	Succeeded	Server	sesx15.intern.local	Yes	DOSP100023-AT
DOSPFS01	Succeeded	Server	sesx15.intern.local	Yes	DOSP100001-AT
DOSPFS02	Succeeded	Server	sesx14.intern.local	Yes	DOSP100013-AT
DOSPFS03	Succeeded	Server	sesx14.intern.local	Yes	DOSP100427-AT
DOSPHY01-N1	Succeeded	Server		No	DOSP100003-AT
DOSPHY01-N2	Succeeded	Server		No	DOSP100005-AT
DOSPSP01	Succeeded	Server	sesx15.intern.local	Yes	DOSP100010-AT
DOSPSEQ01	Succeeded	Server	sesx14.intern.local	Yes	DOSP100007-AT

Figure 3 - Navigation - Inventory

### 2.1.3 Documentation

Within the **Documentation** you will find the wizards for creating data sheets and plans in the function bar. Again, not all wizards are displayed. The remaining wizards can be found by clicking on the button **All Wizards**.

In Docusnap X you had the possibility to adjust the layout and design of the reports (color scheme, logos etc.) in this area. This customization option has been moved to **Docusnap Administration - Customizing - Layout (CI)**.

In addition to the wizards, you have the data explorer adapted to the Documentation section. You can use it to create new IT documentation, view the generated data sheets and maps, create concepts and diagrams.

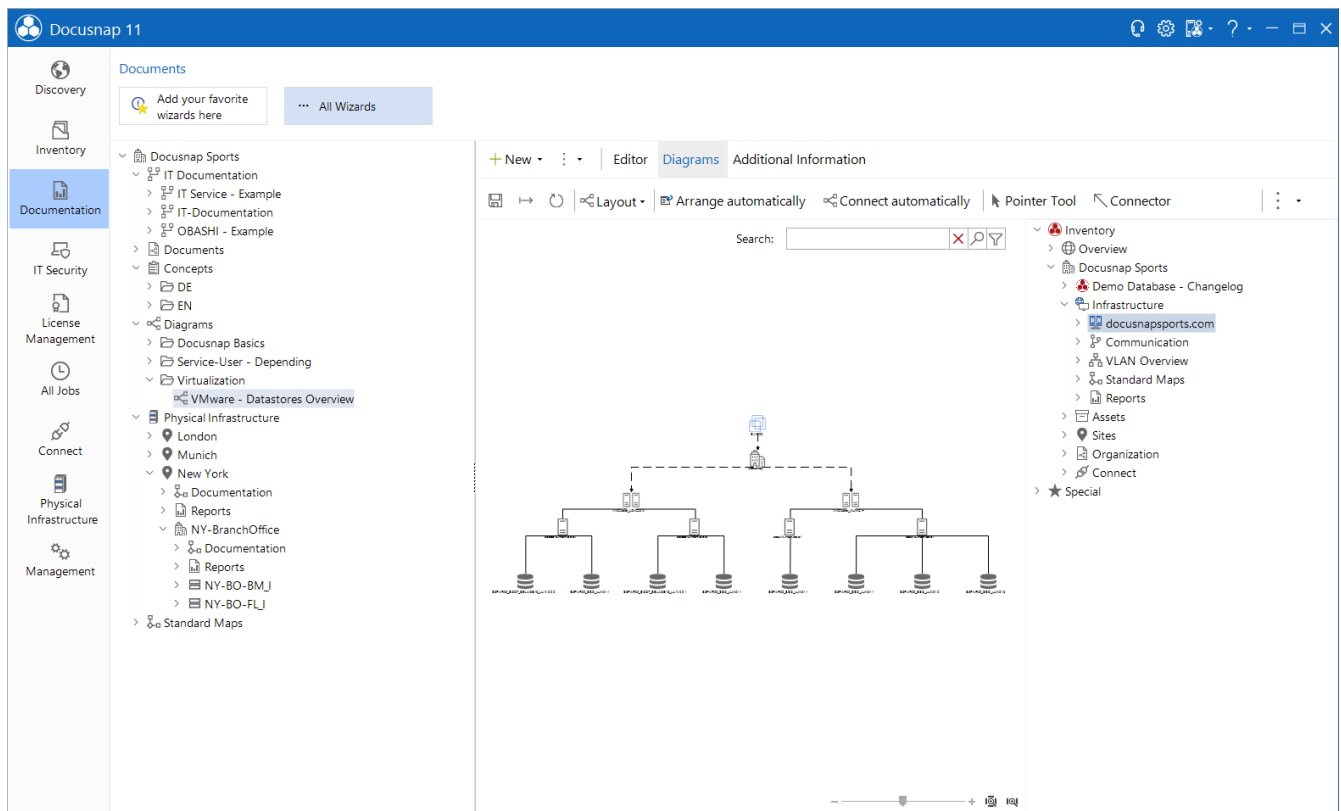


Figure 4 - Navigation - Documentation

HowTos are available in our Knowledge Base for the following topics:

- IT documentation using business structures
- IT Concepts



## 2.1.4 IT Security

The IT Security section deals with the evaluation of permissions for file systems (also CIFS and DFS), SharePoint and Exchange (also Exchange Online).

Using the toolbar, you can start the **NTFS Analysis** and configure options.

The user-, directory- and overview report for a detailed analysis of permissions are available in the action area.

In the Knowledge Base you will find the **HowTo IT Security**, which describes the functionalities and possibilities in detail.

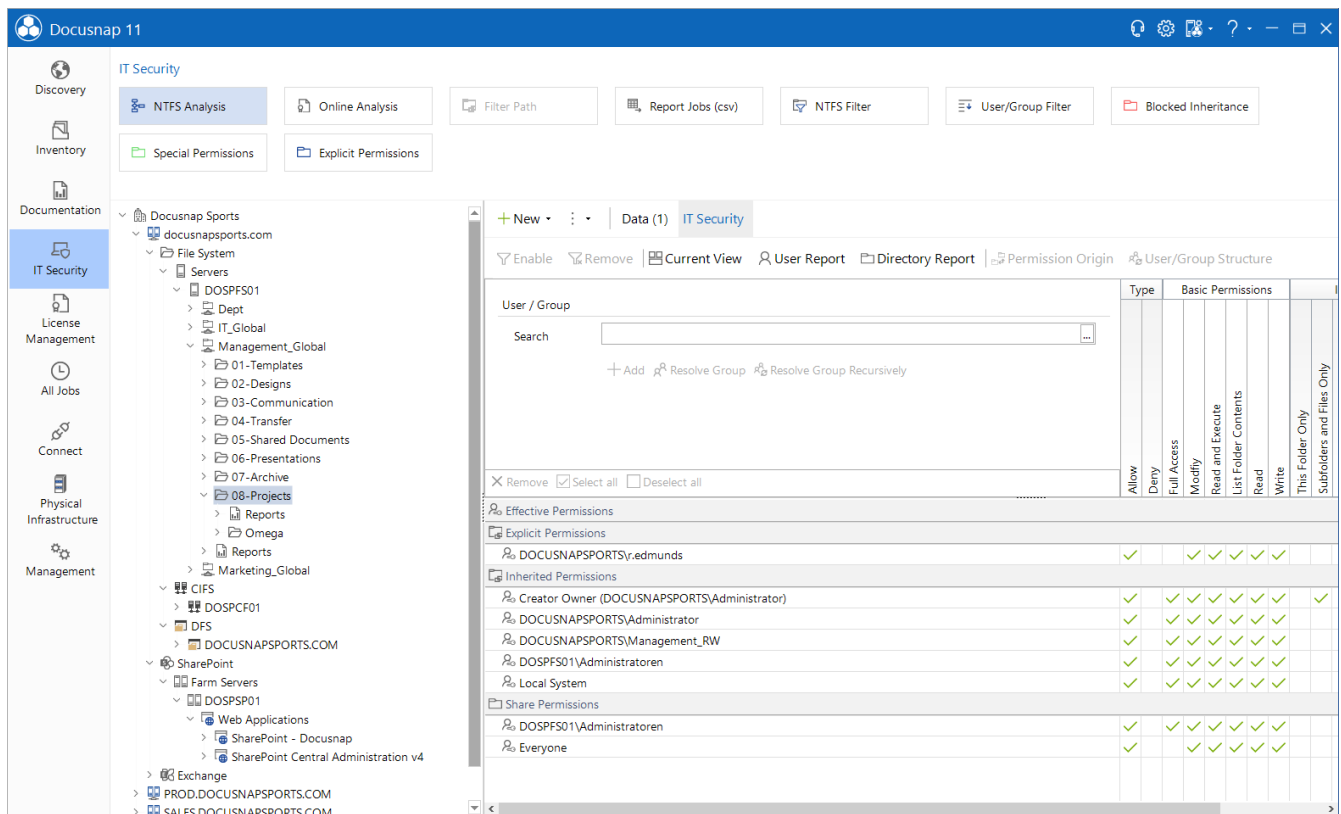
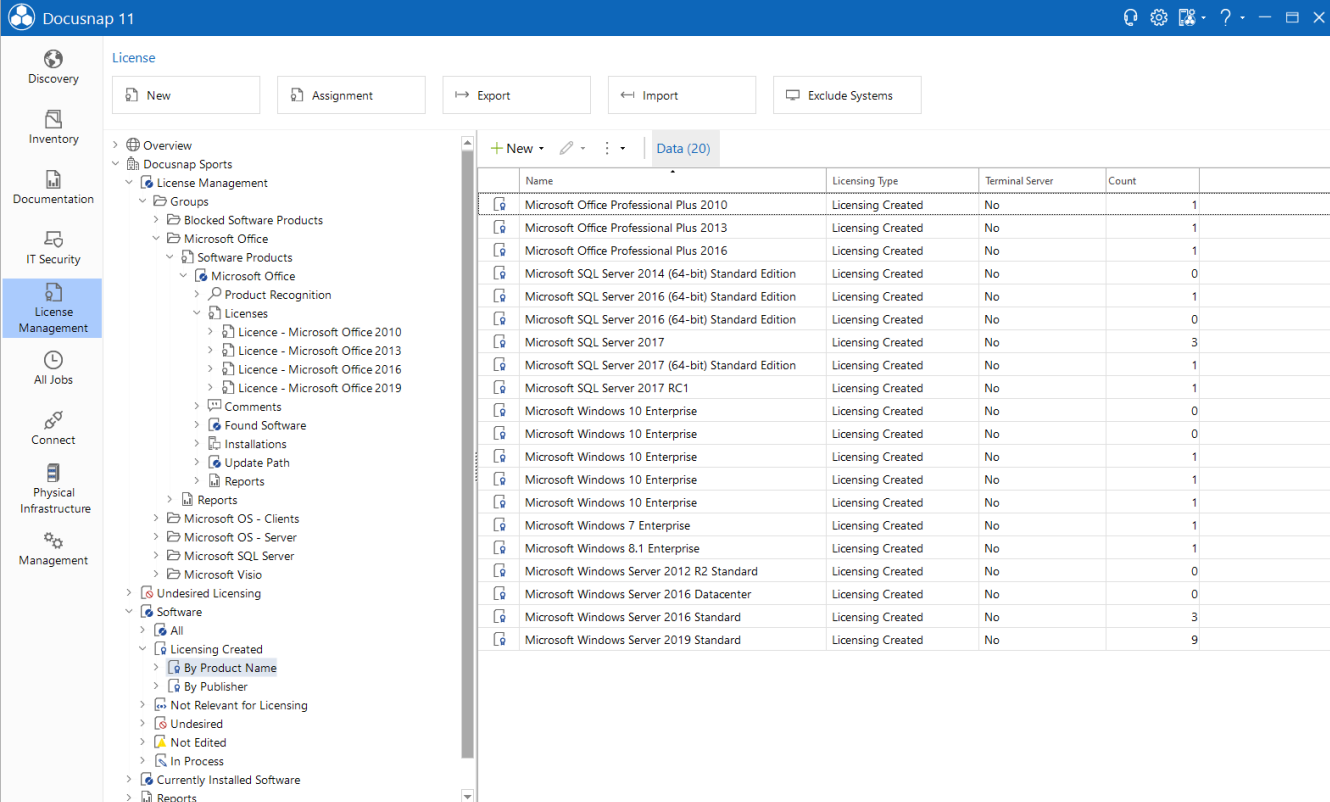


Figure 5 - Navigation - IT Security

## 2.1.5 License Management

The License Management section lets you manage your software and perform license analyses.

In our Knowledge Base you will find the [HowTo License Management](#) with detailed descriptions of how to use the license management.



The screenshot shows the Docusnap 11 interface. The left sidebar contains a navigation tree with the following structure:

- Discovery
- Inventory
- Documentation
- IT Security
- License Management** (selected)
- All Jobs
- Connect
- Physical Infrastructure
- Management

The main area is titled 'License' and contains a table with the following data:

Name	Licensing Type	Terminal Server	Count
Microsoft Office Professional Plus 2010	Licensing Created	No	1
Microsoft Office Professional Plus 2013	Licensing Created	No	1
Microsoft Office Professional Plus 2016	Licensing Created	No	1
Microsoft SQL Server 2014 (64-bit) Standard Edition	Licensing Created	No	0
Microsoft SQL Server 2016 (64-bit) Standard Edition	Licensing Created	No	1
Microsoft SQL Server 2016 (64-bit) Standard Edition	Licensing Created	No	0
Microsoft SQL Server 2017	Licensing Created	No	3
Microsoft SQL Server 2017 (64-bit) Standard Edition	Licensing Created	No	1
Microsoft SQL Server 2017 RC1	Licensing Created	No	1
Microsoft Windows 10 Enterprise	Licensing Created	No	0
Microsoft Windows 10 Enterprise	Licensing Created	No	0
Microsoft Windows 10 Enterprise	Licensing Created	No	1
Microsoft Windows 10 Enterprise	Licensing Created	No	1
Microsoft Windows 10 Enterprise	Licensing Created	No	1
Microsoft Windows 7 Enterprise	Licensing Created	No	1
Microsoft Windows 8.1 Enterprise	Licensing Created	No	1
Microsoft Windows Server 2012 R2 Standard	Licensing Created	No	0
Microsoft Windows Server 2016 Datacenter	Licensing Created	No	0
Microsoft Windows Server 2016 Standard	Licensing Created	No	3
Microsoft Windows Server 2019 Standard	Licensing Created	No	9

Figure 6 - Navigation - License Management

## 2.1.6 All Jobs

In All Jobs you will find all the wizards Docusnap provides: Documentation - Data Exchange - Other - Inventory - File Systems.

You will notice that not all wizards are displayed. You can find the other wizards by clicking on the **All Wizards** button. You can pin your favorite wizards with the star.

Here you will now also find the wizards that were in Docusnap X in the Inventory - Extras area - e.g:

- CSV Import
- DB Export
- DB Import

You will also find the wizard for creating Notifications. The corresponding message definitions are in Administration - General.

Furthermore, you will find all scheduled jobs regardless of their type.

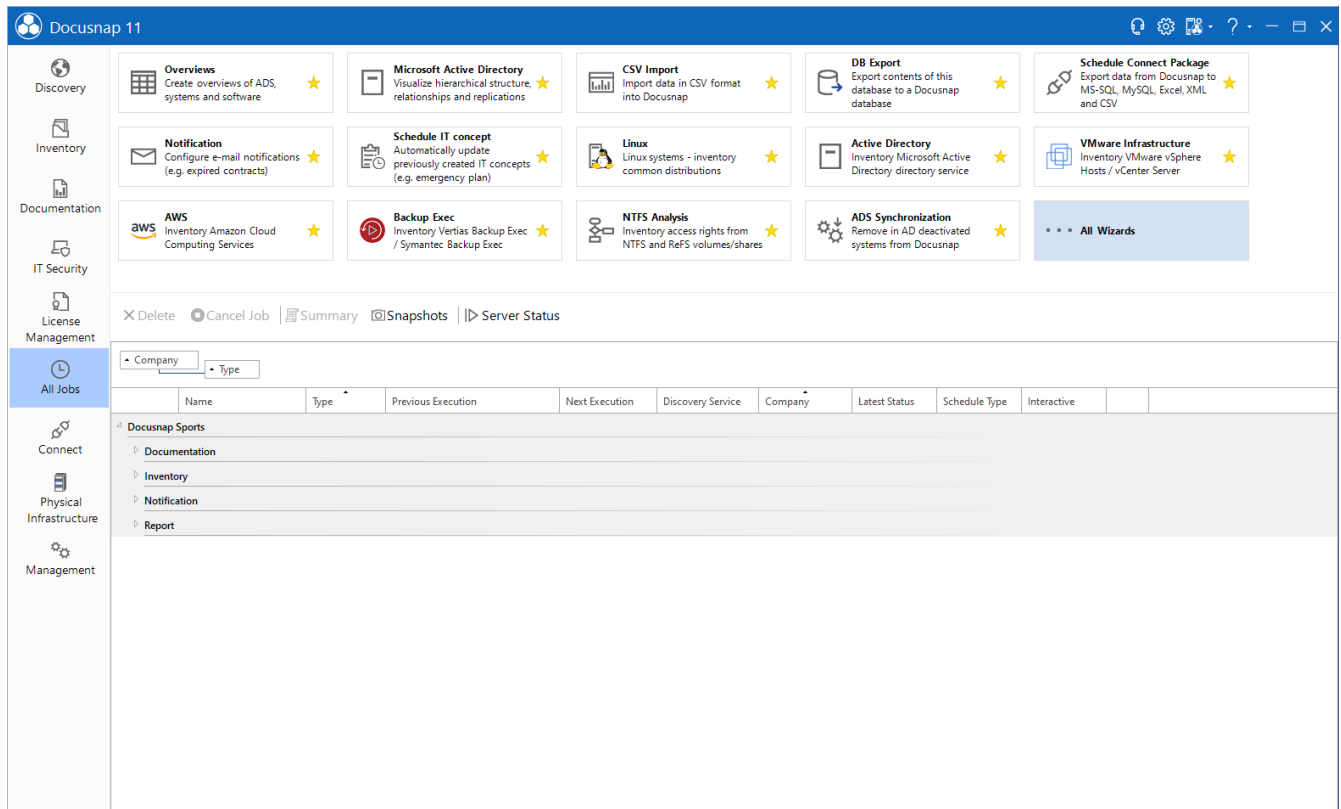


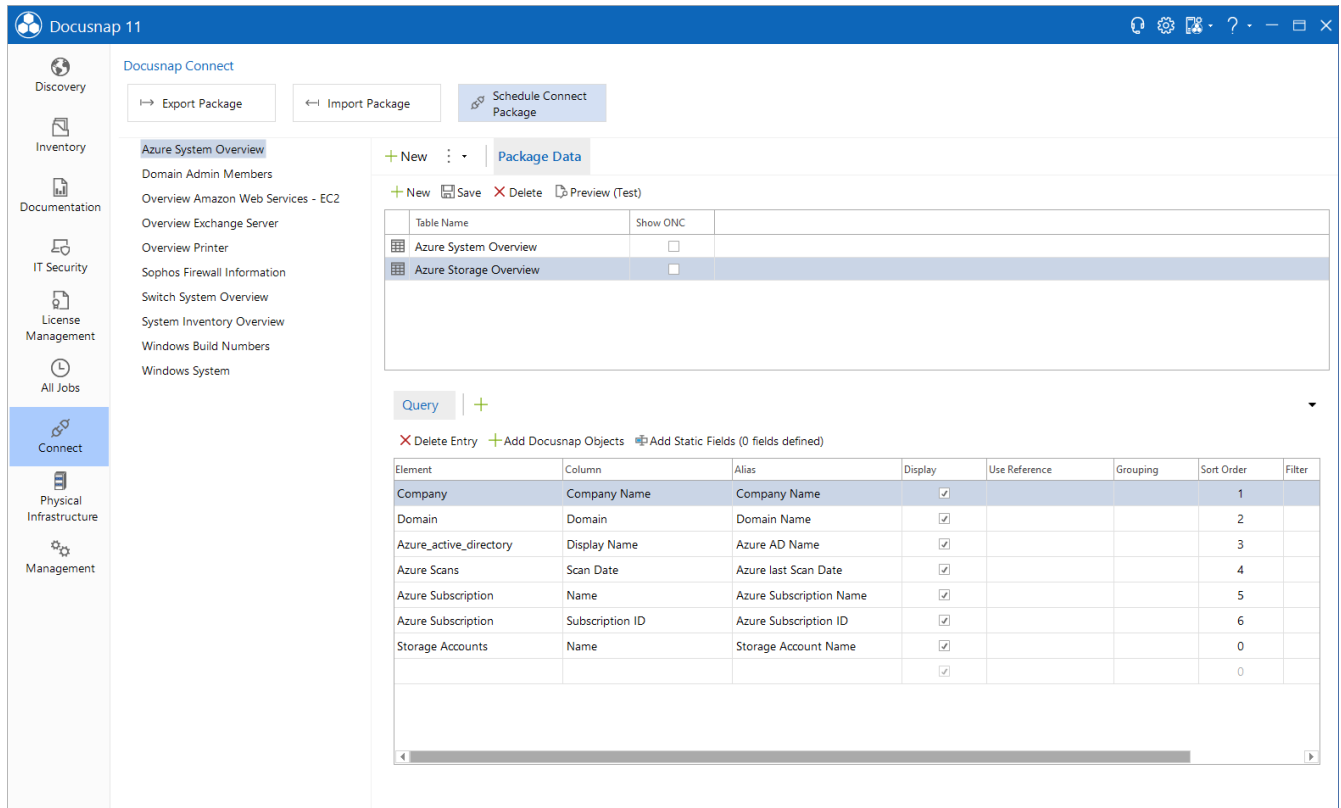
Figure 7 - Navigation - All Jobs

## 2.1.7 Connect

The Connect area is used to create and manage Connect Packages.

In the function bar you can schedule a connect package, export and import Connect Packages.

In our Knowledge Base you will find the [HowTo Docusnap Connect Export and Import](#).



**Docusnap Connect**

Export Package | Import Package | Schedule Connect Package

**Package Data**

+ New | Save | Delete | Preview (Test)

Table Name	Show ONC
Azure System Overview	<input type="checkbox"/>
Azure Storage Overview	<input type="checkbox"/>

**Query** | +

✗ Delete Entry | + Add Docusnap Objects | ➡ Add Static Fields (0 fields defined)

Element	Column	Alias	Display	Use Reference	Grouping	Sort Order	Filter
Company	Company Name	Company Name	<input checked="" type="checkbox"/>			1	
Domain	Domain	Domain Name	<input checked="" type="checkbox"/>			2	
Azure_active_directory	Display Name	Azure AD Name	<input checked="" type="checkbox"/>			3	
Azure Scans	Scan Date	Azure last Scan Date	<input checked="" type="checkbox"/>			4	
Azure Subscription	Name	Azure Subscription Name	<input checked="" type="checkbox"/>			5	
Azure Subscription	Subscription ID	Azure Subscription ID	<input checked="" type="checkbox"/>			6	
Storage Accounts	Name	Storage Account Name	<input checked="" type="checkbox"/>			0	
			<input checked="" type="checkbox"/>			0	

Figure 8 - Navigation - Connect

## 2.1.8 Physical Infrastructure

If you select the **Physical Infrastructure** from the navigation, the editor of the physical infrastructure opens. Here you can document sites, racks and wiring.

A HowTo with more information can be found in the Knowledge Base - Physical Infrastructure.

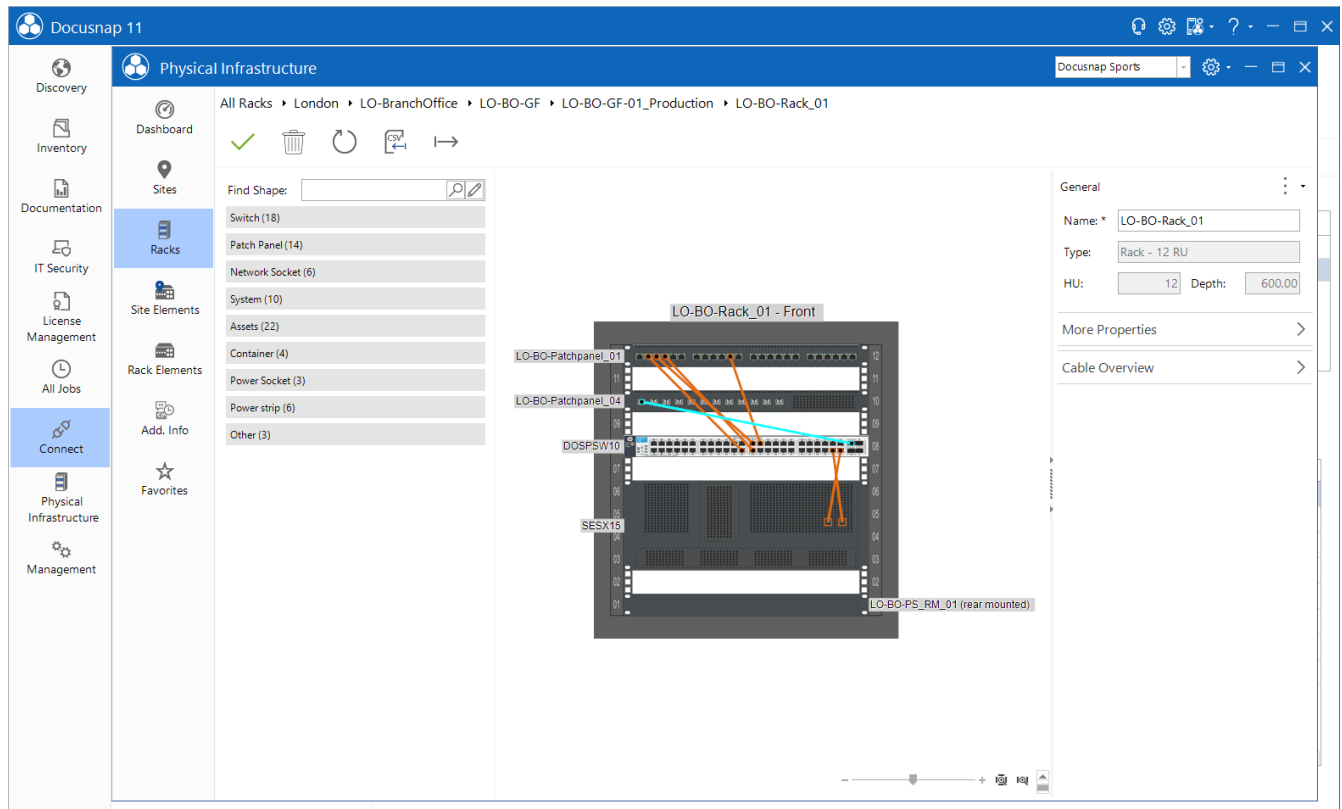


Figure 9 - Navigation - Physical Infrastructure

## 2.1.9 Management

The Docusnap Management is used to extend, customize and manage Docusnap. For example, you can activate the user management, create your own asset classes and make adjustments to reports and the database structure.

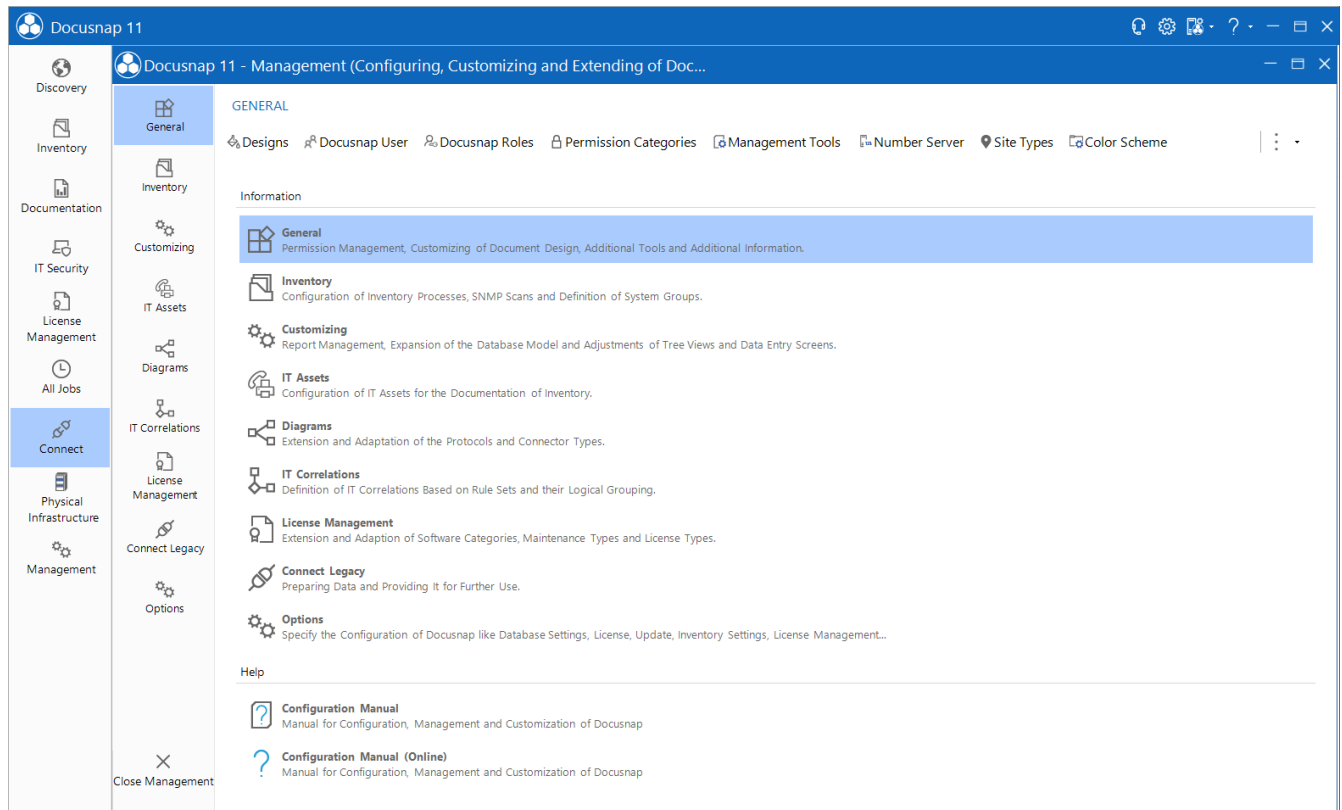


Figure 10 - Navigation - Management

## 2.2 Title bar

As described above, the Docusnap Menu has been dissolved. In previous versions within the Docusnap Menu you could perform configurations of Docusnap Client and Server, switch to Administration, open Quick Support, activate Debug Mode and analyze the it.

The title bar now contains these configurations and options and is divided into the following areas:

- Support Information (Headphones)
- Options (gear wheel)
- Discovery Services (Docusnap Server Icon)
- Help (question mark)

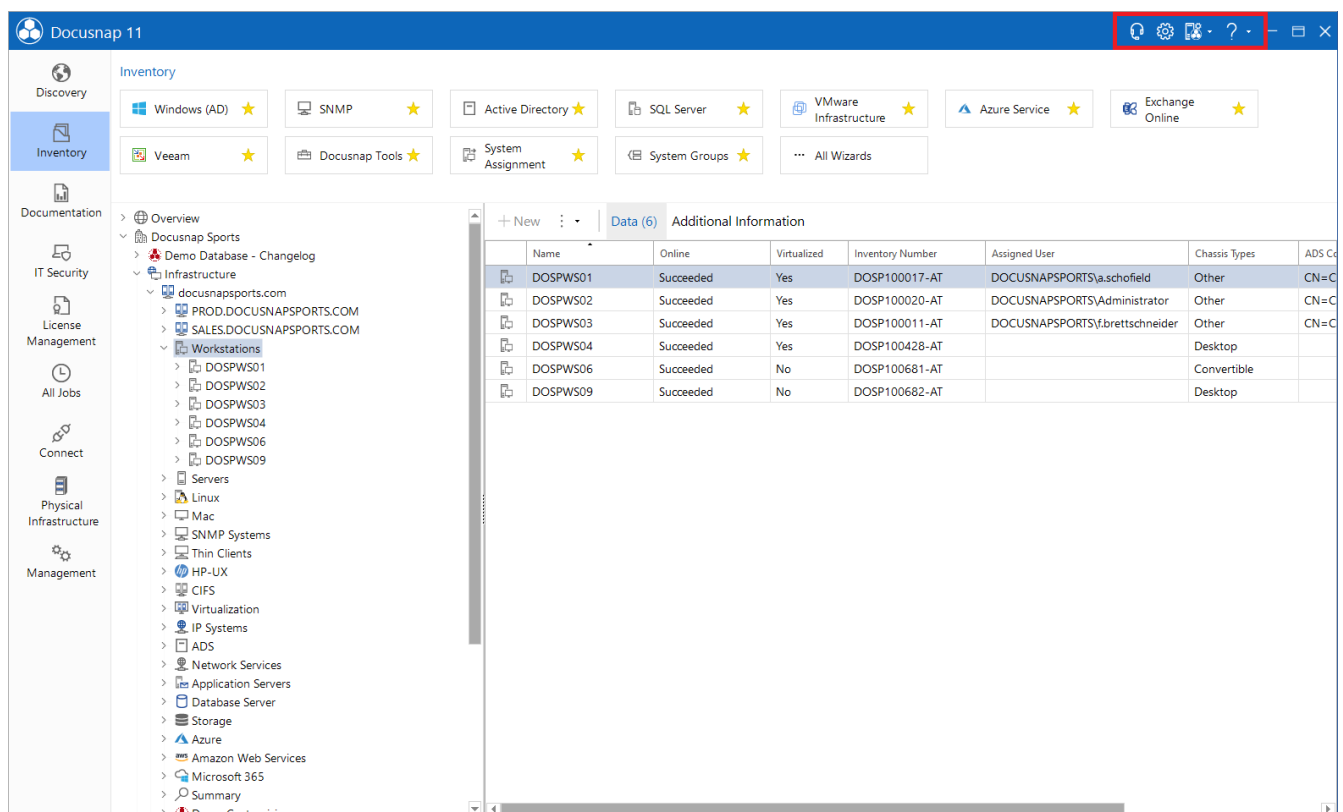


Figure 11 - Title bar

## 2.2.1 Support information

By selecting the support information, you will be directed to the Docusnap support center.

### Support Information

In this area the log file can be generated, and the support file can be saved. This is only possible if the debug mode (client and/or server) have been activated before - see Debug Options.

### Debug Options

In the Debug Options the debug mode for the Docusnap Client and the Docusnap Server can be activated / deactivated. It is advantageous to be able to activate the debug mode for the Docusnap server without going through its configuration steps as in previous versions.

### Quick Support

Here you can start the TeamViewer Quick Support.

## 2.2.2 Options

The options are divided into the following areas. Detailed information can be found in our **user manual**, which you can access by pressing **F1**.

- General
  - New option: Hide the text of buttons in the menu and ribbon bar
- Inventory
- Documentation
- IT Security
  - New: Ability to customize the default settings for creating directory reports
- License Management

## 2.2.3 Discovery Services

Below the Discovery Services you can now configure the Discovery Services and the Docusnap Server and display the current server status.

Here too, you can find detailed information in our **user manual (F1)** and in the **Knowledge Base**:

Knowledge Base:

- Installation and Configuration - Chapter 3.2 describes the configuration of the Docusnap Server
- Discovery Service - Installation and Configuration



## 2.2.4 Help

In the Help section you have access to the following items:

- [User manual](#)
- [Configuration manual](#)
- [User Manual \(Online\)](#)
- [Configuration Manual \(Online\)](#)
- [Docusnap Forum](#)
- [Version changes](#)
- [Update](#)
- [License information](#)
- [About Docusnap](#)

## 2.3 Frequently used assistants and functions

The following is a list of wizards and functions that were used extensively in the previous version of Docusnap. With the release of Docusnap 11 they have moved:

- Layout (CI) - Adaptation of design, logos and master report

Management - Customizing - Layout (CI)

- Notifications

All orders - All Wizards - Notifications

- Define Notifications

Management - General – Define Notifications

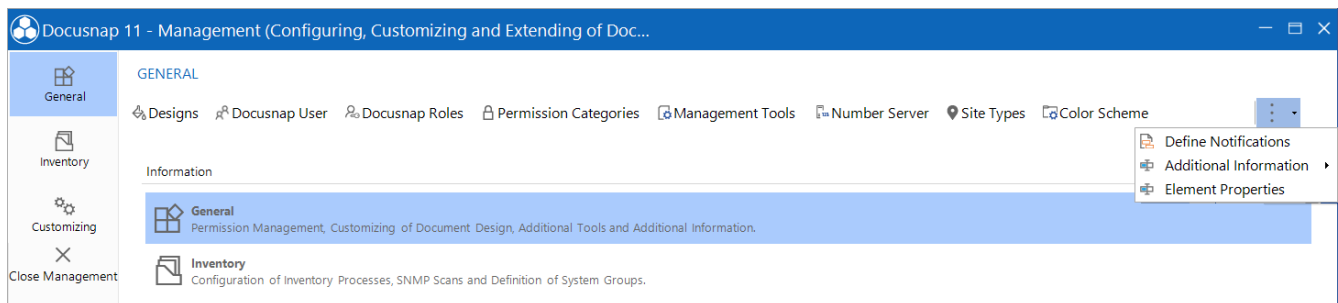


Figure 12 - Define Notifications

- Options (General, Inventory, Documentation, IT Security, License Management)

Title bar – Options (gear wheel)

Management – Options

- Manage Discovery Services

Title bar - Discovery Services (Docusnap Server Icon)

- Docusnap Server Configuration

Title bar - Discovery Services (Docusnap Server Icon)

- Quick Support

Title bar – Support information (headphone icon) – Quick Support

- Debug Options - Start Debug Mode

Title bar – Support information (headphone icon) – Debug options

- License Information

Title bar - Help (?) – License information

- **About Docusnap (check version)**

Title bar - Help (?) - About Docusnap

- **Update - check for updates**

Title bar - Help (?) - Update

- **Version changes**

Title bar - Help (?) - Version change

- **CSV Import**

All Jobs - All Wizards - CSV Import

- **System Groups**

Inventory – All Wizards – System Groups

- **System Assignment**

Inventory – All Wizards – System Assignment

### 3. Dashboard

The new dashboard in Docusnap is designed to give you a quicker overview of how up to date the inventoried data is. In addition, the Job Overview provides you detailed information of the scheduled inventories.

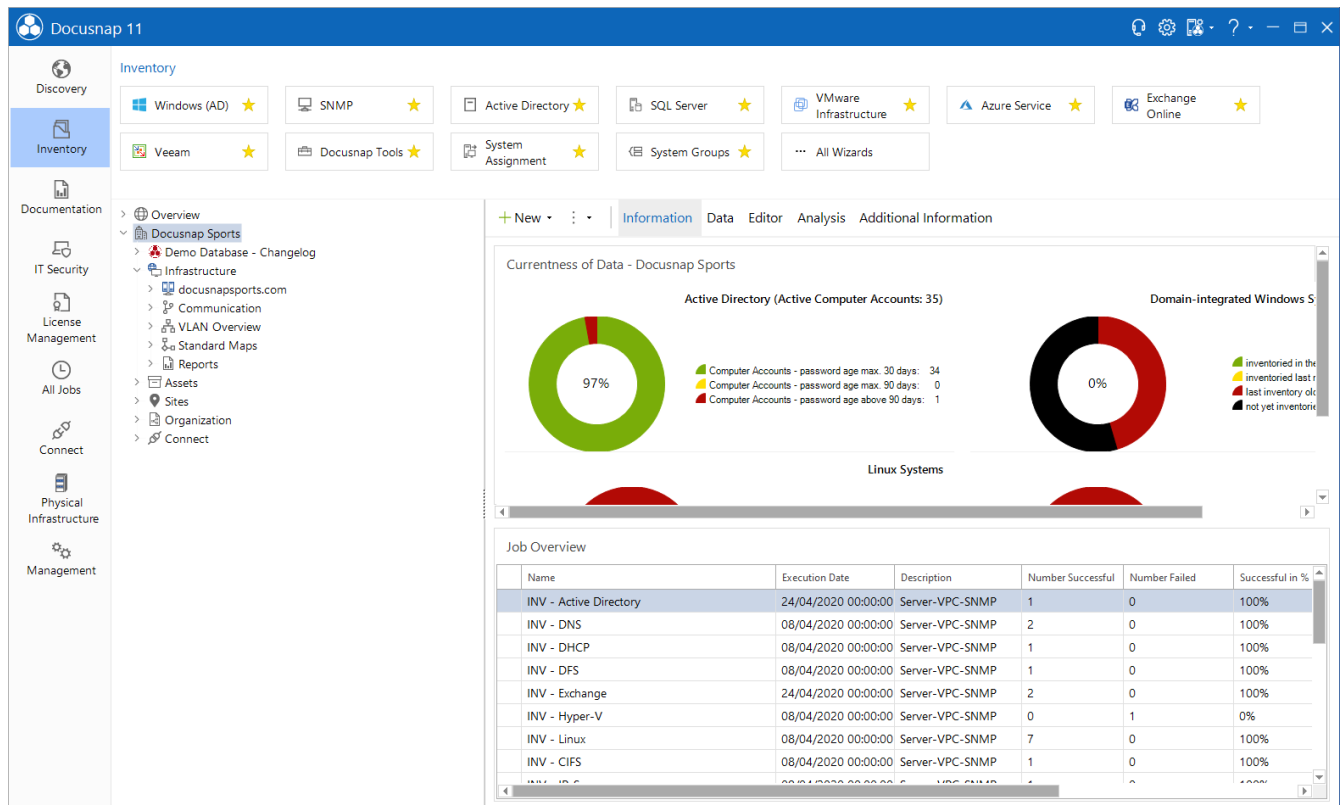


Figure 13 - Dashboard

### 3.1 Currentness of inventoried Data

The dashboard includes the following diagrams:

#### Active Directory

The Active Directory diagram lists the active computer accounts in three evaluations.

- Password age max. 30 days
- Password age max. 90 days
- Password age greater than 90 days

This diagram gives you a quick overview of how up to date the computer accounts in the Active Directory are. This is important in terms of inventory and licensing.

Docusnap tries to inventory all active computer accounts during the Windows (AD) scan. Docusnap also uses all active computer accounts from the Active Directory for licensing.

By default, the password age of a computer is renewed every 30 days if no adjustment has been made here. This means that computer accounts with a password age greater than 30 - especially 90 days - have not been active for a long time. These accounts should be checked regularly and deactivated or deleted if necessary.

#### Domain-integrated Windows systems, Linux and SNMP systems

Here you get an overview of how many of the corresponding system types were last inventoried in the following periods:

- In the last week
- Last month
- Longer than one month

In addition, the diagram for domain-integrated Windows systems provides you with information on how many have not yet been inventoried (Windows offline systems).

This data reflects the actuality. The goal here should be to take an inventory of the systems on a regular basis. Systems whose last inventory was made a long time ago must be checked to see whether they are still active or why the inventory was not successfully.

In addition to the dashboard, a new report has also been added to Docusnap. The report lists this data for the remaining system types, applications, and services. See [Report - Currentness of data](#).

## 3.2 Job Overview

In the job overview contained in the dashboard you will find detailed information about the inventory jobs you have scheduled.

In addition to the last execution date, you will now also find an overview of how many systems have been successfully inventoried within the inventory or how many failed. You can also compare these values with the previous inventory.

Name	Execution Date	Description	Number Successful	Number Failed	Successful in %	Previously Successful	Previously Failed	Previously Successful in %
INV - DFS	08/04/2020 00:00:00	Server-VPC-SNMP	1	0	100%	1	0	100%
INV - Exchange	24/04/2020 00:00:00	Server-VPC-SNMP	2	0	100%	2	0	100%
INV - Hyper-V	08/04/2020 00:00:00	Server-VPC-SNMP	0	1	0%	0	1	0%
INV - Linux	08/04/2020 00:00:00	Server-VPC-SNMP	7	0	100%	7	0	100%
INV - CIFS	08/04/2020 00:00:00	Server-VPC-SNMP	1	0	100%	1	0	100%
INV - IP-Scan	09/04/2020 00:00:00	Server-VPC-SNMP	1	0	100%	1	0	100%
INV - Backup Exec	08/04/2020 00:00:00	Server-VPC-SNMP	1	0	100%	0	1	0%
INV - Veeam	08/04/2020 00:00:00	Server-VPC-SNMP	1	0	100%	1	0	100%

Figure 14 - Dashboard - Job Overview

## 4. Exchange - Exchange Online and Exchange Online Readiness Check

### 4.1 Exchange Online inventory

Docusnap now inventories Exchange (On Premise) as well as Exchange Online environments.

The inventory gives you an overview of the following information:

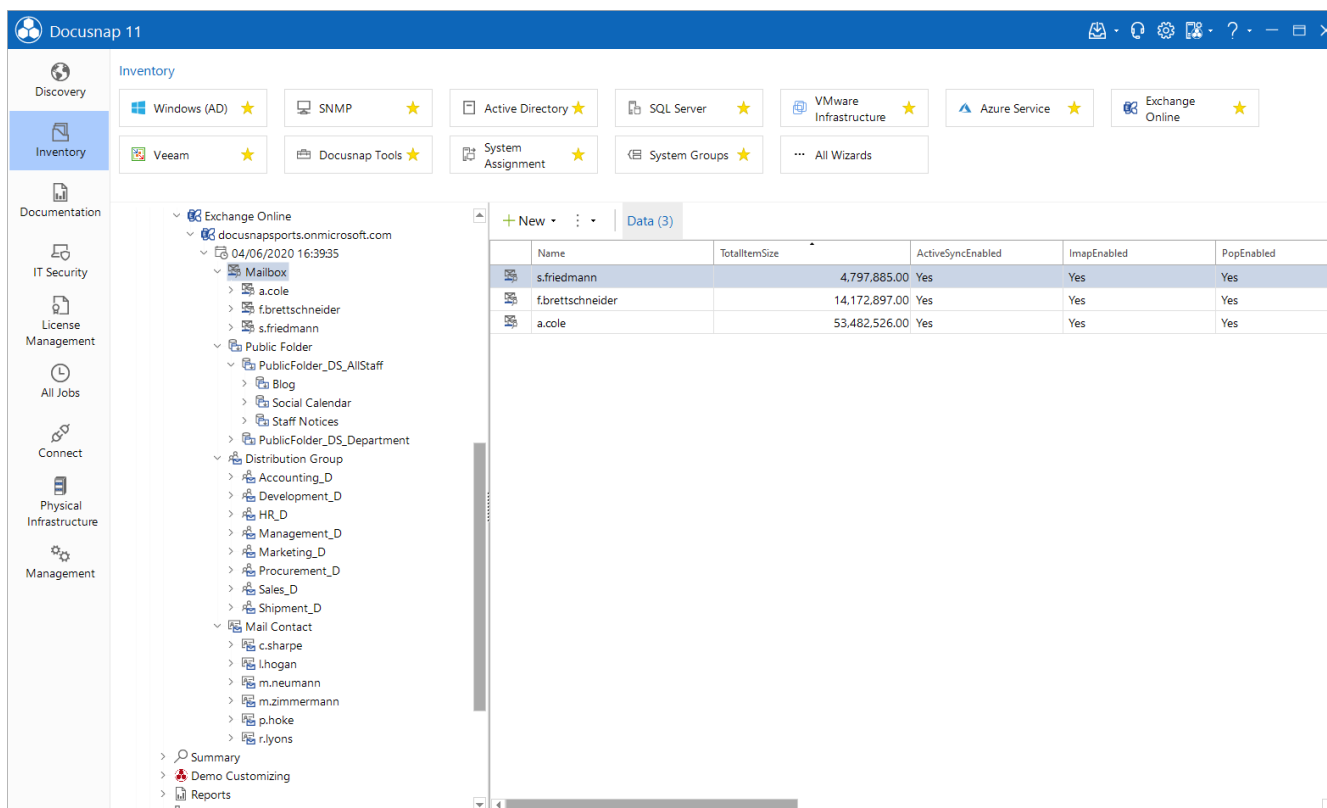
- Mailboxes
- Public folders
- Distribution groups and e-mail contacts

The Exchange Online inventory requires an Azure App. This is the interface between Docusnap and Exchange Online. The required Azure App is created from within Docusnap - from the Exchange Online Scan Wizard.

The requirements are the following:

- 64-bit operating system
- Local administrator
- Azure Administrator (Global Administrator) to create the app
- .NET Framework 4.8 or higher
- PowerShell 5.0 or higher.

For detailed information, see the [HowTo: Inventory - Exchange and Exchange Online](#).



The screenshot shows the Docusnap 11 interface with the 'Inventory' tab selected. The left sidebar contains navigation options: Discovery, Inventory, Documentation, IT Security, License Management, All Jobs, Connect, Physical Infrastructure, and Management. The main area displays a tree view of the 'Exchange Online' inventory, showing a hierarchy of mailboxes, public folders, and distribution groups. A table titled 'Data (3)' is displayed on the right, showing the following data:

Name	TotalItemSize	ActiveSyncEnabled	ImapEnabled	PopEnabled
s.friedmann	4,797,885.00	Yes	Yes	Yes
f.brettschneider	14,172,897.00	Yes	Yes	Yes
a.cole	53,482,526.00	Yes	Yes	Yes

Figure 15 - Exchange Online Overview

## 4.2 Exchange Online Readiness Check

If you are planning to move from Exchange On Premise to the cloud, Docusnap can help you. Do the Exchange Online Readiness Check and check any necessary adjustments in your Exchange environment, Active Directory and Office installations.

The following reports are available in the data explorer **Company - Infrastructure - Domain - Reports - Microsoft Exchange**:

- **Exchange Readiness AD Properties**

Based on AD DS scan results, this report provides recommendations for migrating the Exchange OnPremise environment to Microsoft 365, examining the syntax of AD DS attributes, and highlighting issues that can cause problems when synchronizing to the cloud directory service.

- **Exchange Readiness compact overview AD / Exchange**

Based on AD DS and Exchange inventories, this report provides recommendations for migrating the Exchange OnPremise environment to Microsoft 365. This report provides an overview of the domain requirements and status of the domain to be migrated. The Exchange part of the report provides information about the objects to be synchronized and the certificates found on Exchange servers, in addition to important configuration settings.

- **Exchange Readiness MS Office Family**

Based on Windows inventories, this report provides recommendations for migrating the Exchange OnPremise environment to Microsoft 365 by listing found Microsoft Office products to allow for a check for outdated installations. As of October 13, 2020, at least Office 2016 is required to access Microsoft 365 services (e.g. Exchange Online).



## 5. AWS Lambda and SQS

Besides the already known inventory possibilities of Amazon Cloud Services (AWS)

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

Docusnap can now also inventory your AWS Lambda Platform and SQS.

For the inventory **two new policies** must be created for the services.

For more information about the inventory and the requirements please refer to the **HowTo Inventory Amazon Web Services (AWS)** in the Knowledge Base.

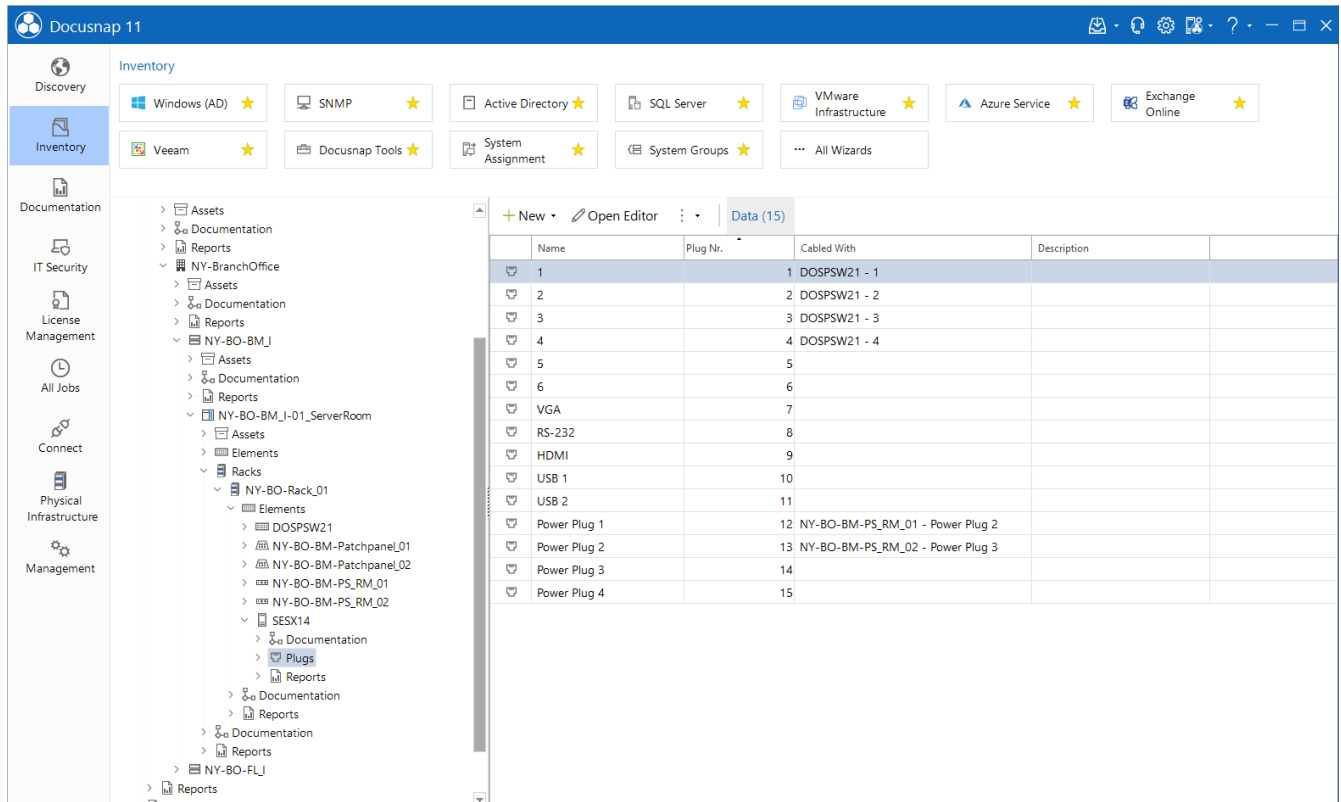
## 6. New reports and evaluation options

### 6.1 Wiring overview for selected elements

The new wiring overview allows you to view the wiring quickly and easily for a selected element (e.g. server, switch, or patch panel). It lists all defined plugs of the element with the corresponding wiring.

You can find the cabling overview in the data explorer as follows:

- Inventory - Sites - Element – Plugs



The screenshot shows the Docusnap 11 interface. The left sidebar contains navigation options: Discovery, Inventory (selected), Documentation, IT Security, License Management, All Jobs, Connect, Physical Infrastructure, and Management. The main area displays the 'Inventory' section with a tree view on the left and a data table on the right.

The tree view shows the following structure:

- Assets
  - Documentation
  - Reports
  - NY-BranchOffice
    - Assets
    - Documentation
    - Reports
    - NY-BO-BMJ
      - Assets
      - Documentation
      - Reports
      - NY-BO-BM-I-01\_ServerRoom
        - Assets
        - Elements
        - Racks
          - NY-BO-Rack\_01
            - Elements
              - DOSPSW21
              - NY-BO-BM-Patchpanel01
              - NY-BO-BM-Patchpanel02
              - NY-BO-BM-PS\_RM\_01
              - NY-BO-BM-PS\_RM\_02
              - SESX14
                - Documentation
                - Plugs (selected)
                - Reports
                - Documentation
                - Reports
                - Documentation
                - Reports
                - NY-BO-FLJ
                  - Reports

The data table on the right shows the wiring overview for the selected element (NY-BO-BM-PS\_RM\_01). The table has the following columns: Name, Plug Nr., Cabled With, and Description.

| Name         | Plug Nr. | Cabled With                      | Description |
|--------------|----------|----------------------------------|-------------|
| 1            | 1        | DOSPSW21 - 1                     |             |
| 2            | 2        | DOSPSW21 - 2                     |             |
| 3            | 3        | DOSPSW21 - 3                     |             |
| 4            | 4        | DOSPSW21 - 4                     |             |
| 5            | 5        |                                  |             |
| 6            | 6        |                                  |             |
| VGA          | 7        |                                  |             |
| RS-232       | 8        |                                  |             |
| HDMI         | 9        |                                  |             |
| USB 1        | 10       |                                  |             |
| USB 2        | 11       |                                  |             |
| Power Plug 1 | 12       | NY-BO-BM-PS_RM_01 - Power Plug 2 |             |
| Power Plug 2 | 13       | NY-BO-BM-PS_RM_02 - Power Plug 3 |             |
| Power Plug 3 | 14       |                                  |             |
| Power Plug 4 | 15       |                                  |             |

Figure 16 - Wiring Overview for a specific Element

## 6.2 Report - Wiring overview

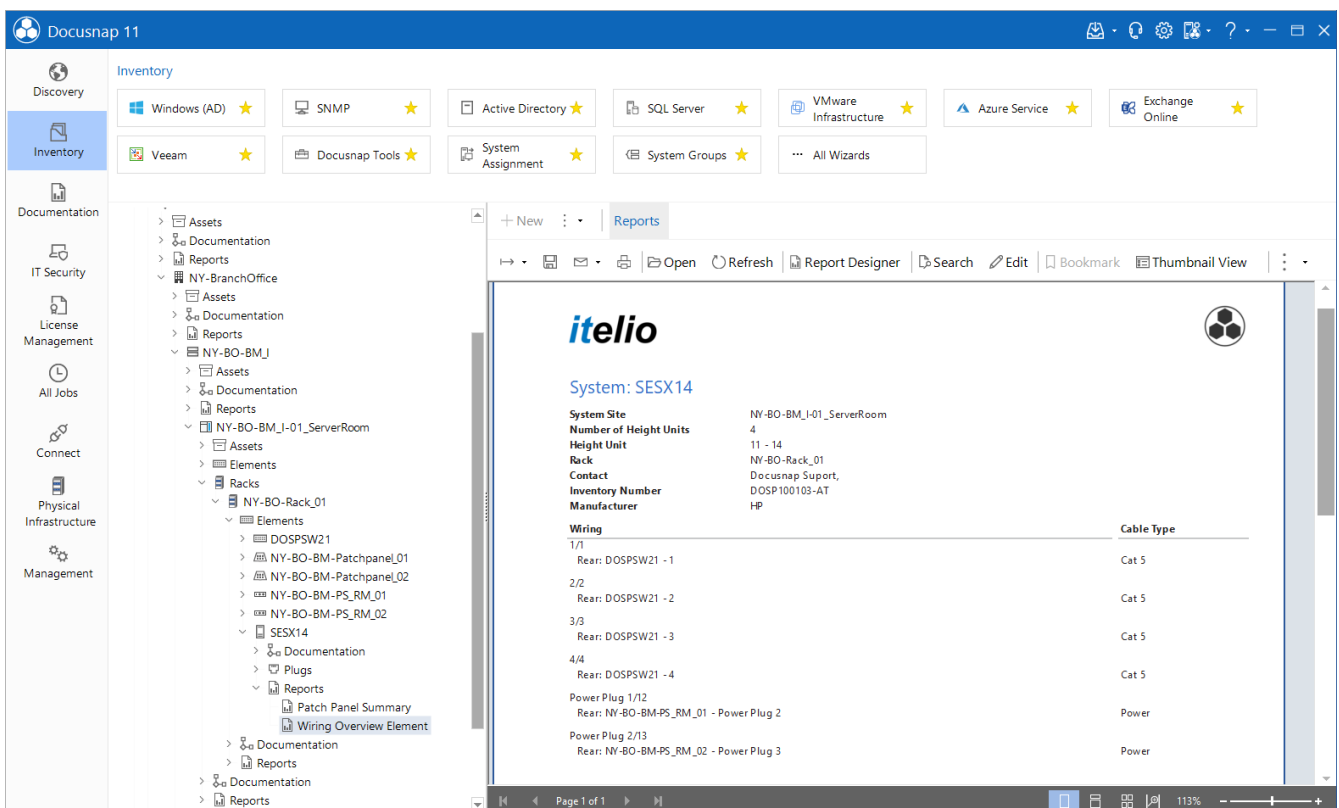
In addition to the plug and wiring overview for selected elements, new wiring overview reports have been integrated into Docusnap.

The reports are available in two versions

- For a selected element - e.g. switch, server, or patch panel
- For a selected site with recursive resolution of the site structure

You can find the reports in Docusnap as follows:

- Inventory - Sites - Element - Reports - **Wiring Overview Element**
- Inventory - Sites - Your site - Reports - **Wiring Overview**



The screenshot shows the Docusnap 11 interface. The left sidebar contains navigation options: Discovery, Inventory (selected), Documentation, IT Security, License Management, All Jobs, Connect, Physical Infrastructure, and Management. The main area displays the 'Reports' section for the 'Inventory' site. A tree view on the left shows the hierarchy: Assets > Documentation > Reports > NY-BranchOffice > Assets > Documentation > Reports > NY-BO-BM\_I > Assets > Documentation > Reports > NY-BO-BM\_I-01\_ServerRoom > Assets > Documentation > Reports > NY-BO-BM\_I-01\_ServerRoom > Elements > Racks > NY-BO-Rack\_01 > Elements > DOSPSW21 > NY-BO-BM-Patchpanel\_01 > NY-BO-BM-Patchpanel\_02 > NY-BO-BM-PS\_RM\_01 > NY-BO-BM-PS\_RM\_02 > SESX14 > Documentation > Plugs > Reports > Patch Panel Summary > **Wiring Overview Element**.

The report content shows the 'itelio' logo and 'System: SESX14'. It lists system details:

- System Site:** NY-BO-BM\_I-01\_ServerRoom
- Number of Height Units:** 4
- Height Unit:** 11 - 14
- Rack:** NY-BO-Rack\_01
- Contact:** Docusnap Support, DOSP100103-AT
- Inventory Number:** HP
- Manufacturer:** HP

The 'Wiring' section displays a table with 'Cable Type' and 'Wiring' details:

| Wiring  | Cable Type |
|---|------------|
| 1/1<br>Rear: DOSPSW21 - 1                                 | Cat 5      |
| 2/2<br>Rear: DOSPSW21 - 2                                 | Cat 5      |
| 3/3<br>Rear: DOSPSW21 - 3                                 | Cat 5      |
| 4/4<br>Rear: DOSPSW21 - 4                                 | Cat 5      |
| Power Plug 1/12<br>Rear: NY-BO-BM-PS_RM_01 - Power Plug 2 | Power      |
| Power Plug 2/13<br>Rear: NY-BO-BM-PS_RM_02 - Power Plug 3 | Power      |

Figure 17 - Report - Wiring Overview

## 6.3 Topology map for individual systems and switches

Docusnap version 11 now also includes topology maps for individual systems and switches.

Within the map you can see to connection to the switches for a selected system. You also see the network and VLAN. If you open the map underneath a switch, the port assignment map of this selected switch is shown.

You can find the map below a System - Documentation - Topology Map.

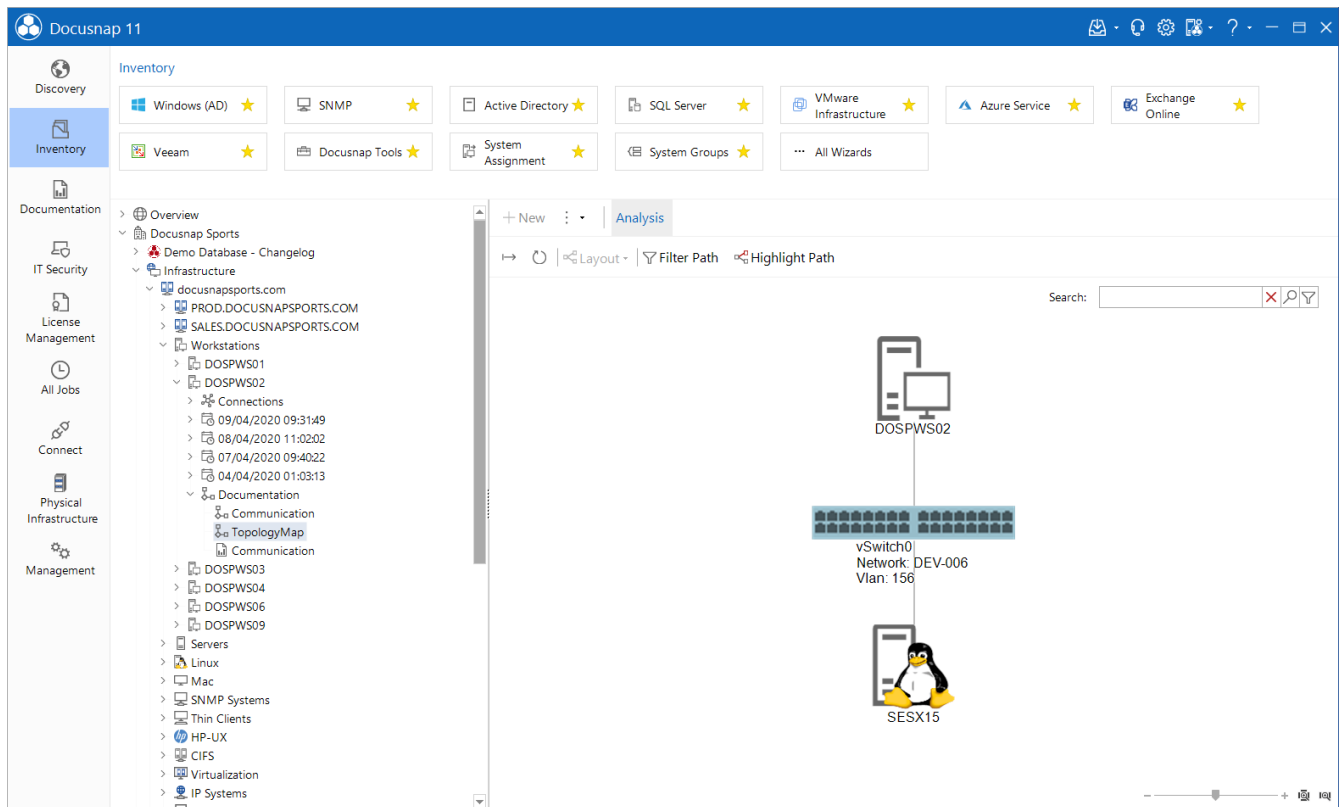
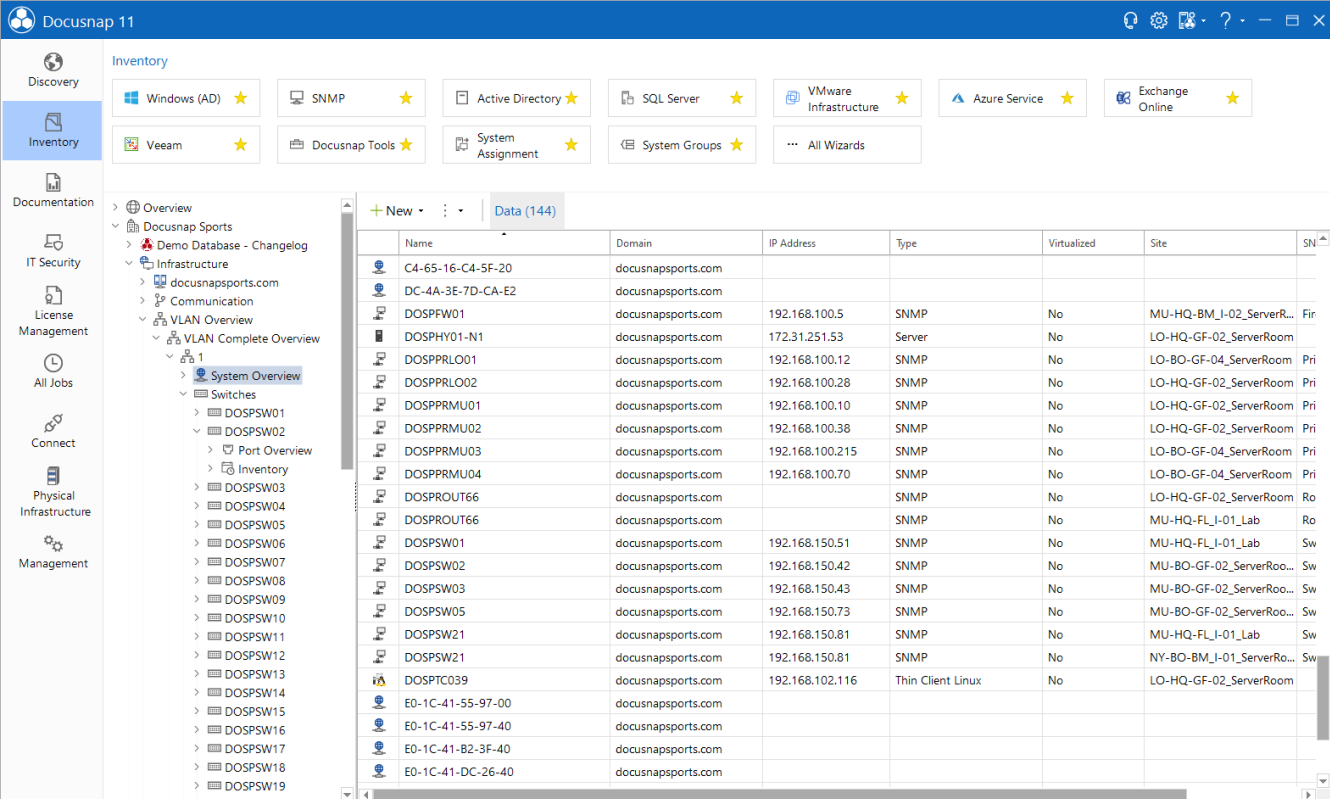


Figure 18 - Topology Map for individual systems and switches

## 6.4 VLAN Overview

In addition to the VLAN map, Docusnap 11 now offers the possibility to analyze VLANs directly from the data explorer. You can find the new VLAN Overview in **Inventory - Your Company - Infrastructure - VLAN Overview**.

You first get an overview of all inventoried VLANs. In the next step you get an overview of the systems which are inventoried and present in the previously selected VLAN (**System Overview**) and on which switches this VLAN is available (**Switches**). You can also create a VLAN plan for the selected VLAN.



| Name              | Domain             | IP Address      | Type              | Virtualized | Site                      | SN  |
|-------------------|--------------------|-----------------|-------------------|-------------|---------------------------|-----|
| C4-65-16-C4-5F-20 | docusnapsports.com |                 |                   |             |                           |     |
| DC-4A-3E-7D-CA-E2 | docusnapsports.com |                 |                   |             |                           |     |
| DOSPFW01          | docusnapsports.com | 192.168.100.5   | SNMP              | No          | MU-HQ-BM_I-02_ServerR...  | Fir |
| DOSPHY01-N1       | docusnapsports.com | 172.31.251.53   | Server            | No          | LO-HQ-GF-02_ServerRoom    | Pri |
| DOSPPRLO01        | docusnapsports.com | 192.168.100.12  | SNMP              | No          | LO-BO-GF-04_ServerRoom    | Pri |
| DOSPPRLO02        | docusnapsports.com | 192.168.100.28  | SNMP              | No          | LO-HQ-GF-02_ServerRoom    | Pri |
| DOSPPRMU01        | docusnapsports.com | 192.168.100.10  | SNMP              | No          | LO-HQ-GF-02_ServerRoom    | Pri |
| DOSPPRMU02        | docusnapsports.com | 192.168.100.38  | SNMP              | No          | LO-HQ-GF-02_ServerRoom    | Pri |
| DOSPPRMU03        | docusnapsports.com | 192.168.100.215 | SNMP              | No          | LO-BO-GF-04_ServerRoom    | Pri |
| DOSPPRMU04        | docusnapsports.com | 192.168.100.70  | SNMP              | No          | LO-BO-GF-04_ServerRoom    | Pri |
| DOSPROUT66        | docusnapsports.com |                 | SNMP              | No          | LO-HQ-GF-02_ServerRoom    | Ro  |
| DOSPROUT66        | docusnapsports.com |                 | SNMP              | No          | MU-HQ-FL_I-01_Lab         | Ro  |
| DOSPSW01          | docusnapsports.com | 192.168.150.51  | SNMP              | No          | MU-HQ-FL_I-01_Lab         | Sw  |
| DOSPSW02          | docusnapsports.com | 192.168.150.42  | SNMP              | No          | MU-BO-GF-02_ServerRoo...  | Sw  |
| DOSPSW03          | docusnapsports.com | 192.168.150.43  | SNMP              | No          | MU-BO-GF-02_ServerRoo...  | Sw  |
| DOSPSW05          | docusnapsports.com | 192.168.150.73  | SNMP              | No          | MU-BO-GF-02_ServerRoo...  | Sw  |
| DOSPSW21          | docusnapsports.com | 192.168.150.81  | SNMP              | No          | MU-HQ-FL_I-01_Lab         | Sw  |
| DOSPSW21          | docusnapsports.com | 192.168.150.81  | SNMP              | No          | NY-BO-BM_I-01_ServerRo... | Sw  |
| DOSPTC039         | docusnapsports.com | 192.168.102.116 | Thin Client Linux | No          | LO-HQ-GF-02_ServerRoom    |     |
| E0-1C-41-55-97-00 | docusnapsports.com |                 |                   |             |                           |     |
| E0-1C-41-55-97-40 | docusnapsports.com |                 |                   |             |                           |     |
| E0-1C-41-B2-3F-40 | docusnapsports.com |                 |                   |             |                           |     |
| E0-1C-41-DC-26-40 | docusnapsports.com |                 |                   |             |                           |     |

Figure 19 - New VLAN Overview

## 6.5 Report - Currentness of data

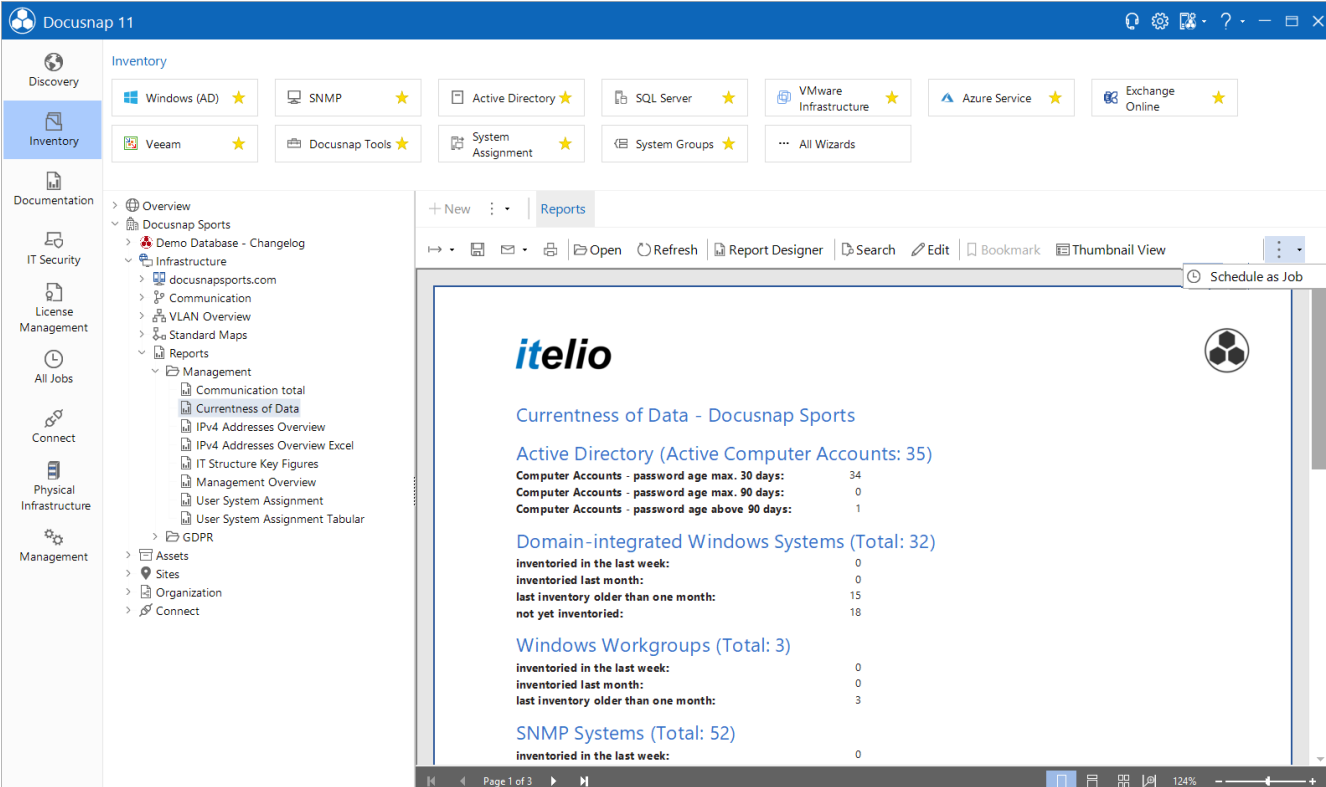
The new report - Currentness of data - is intended to give you an overview of the inventoried information. The report lists all inventories that have been done and when the data was last updated.

As with the new dashboard, the following categories are listed with their respective numbers:

- Inventoried in the last week
- Inventoried last month
- Last inventory older than one month

We recommend that this report is reviewed regularly. Using the function **Schedule as Job**, you can get this report regularly by e-mail.

You can find the report in the **Inventory - Your Company - Infrastructure - Reports - Infrastructure** section.



The screenshot shows the Docusnap 11 web interface. The left sidebar contains navigation menus for Discovery, Inventory, Documentation, IT Security, License Management, All Jobs, Connect, Physical Infrastructure, and Management. The main content area displays the 'Currentness of Data' report for 'Docusnap Sports'. The report is titled 'itelio' and includes a 'Schedule as Job' button. The data is organized into sections with totals and detailed counts for different inventory timeframes.

| Category  | Inventory Date                                  | Count     |
|---|---|-----------|
| Active Directory (Active Computer Accounts: 35) | Computer Accounts - password age max. 30 days:  | 34        |
|   | Computer Accounts - password age max. 90 days:  | 0         |
|   | Computer Accounts - password age above 90 days: | 1         |
|   | <b>Total:</b>                                   | <b>35</b> |
| Domain-integrated Windows Systems (Total: 32)   | inventoried in the last week:                   | 0         |
|   | inventoried last month:                         | 0         |
|   | last inventory older than one month:            | 15        |
|   | not yet inventoried:                            | 18        |
| Windows Workgroups (Total: 3)                   | inventoried in the last week:                   | 0         |
|   | inventoried last month:                         | 0         |
|   | last inventory older than one month:            | 3         |
|   | <b>Total:</b>                                   | <b>3</b>  |
| SNMP Systems (Total: 52)                        | inventoried in the last week:                   | 0         |
|   | <b>Total:</b>                                   | <b>52</b> |

Figure 20 - New Report - Currentness of Data

## 7. Extended Windows Inventory

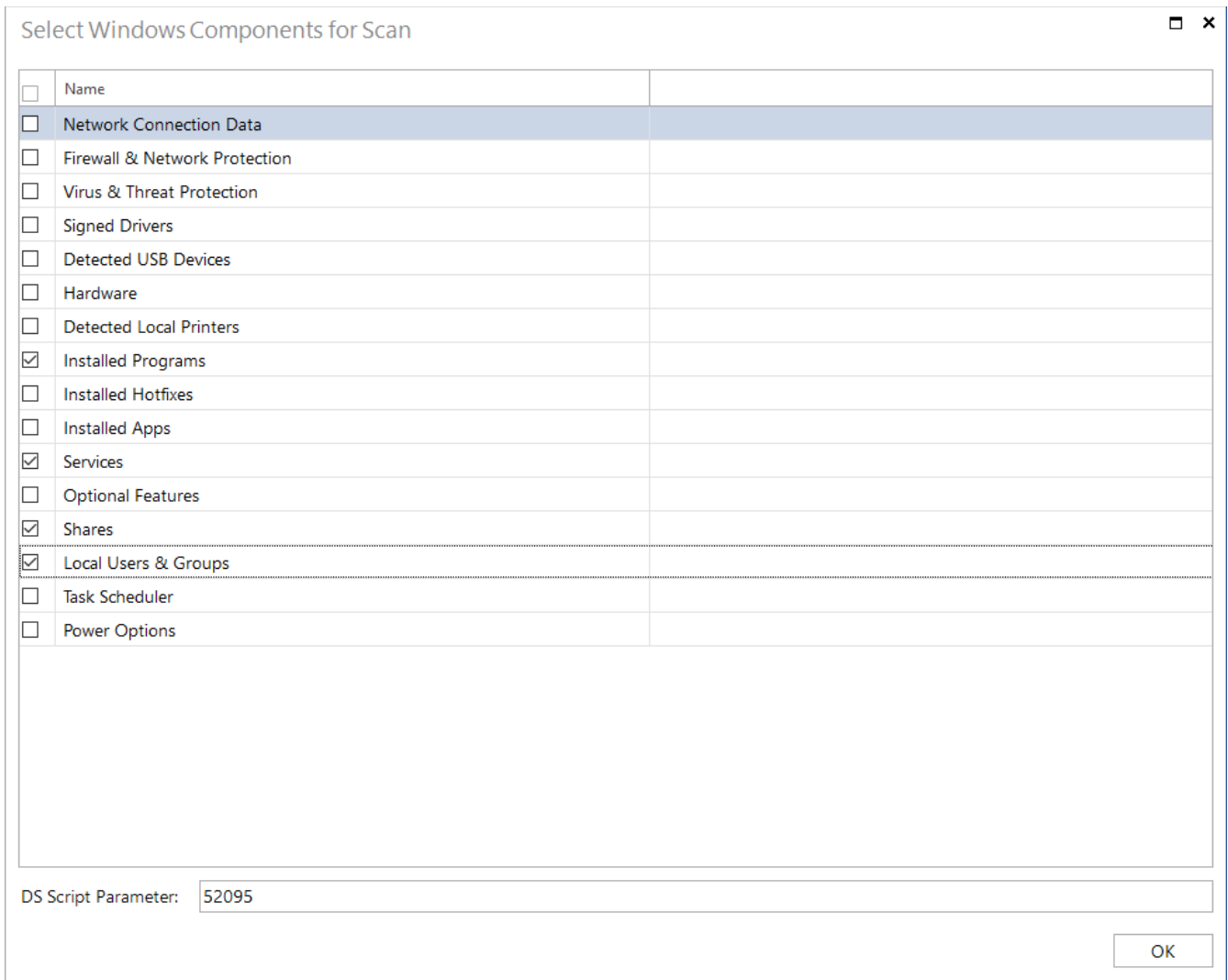
With Docusnap 11 you can select the components (Software, Services, Users etc.) of Windows systems which should be inventoried.

In the Windows Inventory Wizard - AD and IP - you will find the button **Select Components** which allows you to select and deselect the components to be inventoried.

If you do not make a selection, all components are inventoried. If you select components, only these will be inventoried.

After selecting the appropriate components, you will also receive a DS Script parameter. When using DocusnapScript.exe this ensures that only the selected components are inventoried. Use the parameter -Z <Number>.

Detailed information on how to use the parameter when using DocusnapScript.exe can be found in the **HowTo Docusnap Script Windows** in the Knowledge Base.



| <input type="checkbox"/>            | Name                          |  |
|-------------------------------------|-------------------------------|--|
| <input type="checkbox"/>            | Network Connection Data       |  |
| <input type="checkbox"/>            | Firewall & Network Protection |  |
| <input type="checkbox"/>            | Virus & Threat Protection     |  |
| <input type="checkbox"/>            | Signed Drivers                |  |
| <input type="checkbox"/>            | Detected USB Devices          |  |
| <input type="checkbox"/>            | Hardware                      |  |
| <input type="checkbox"/>            | Detected Local Printers       |  |
| <input checked="" type="checkbox"/> | Installed Programs            |  |
| <input type="checkbox"/>            | Installed Hotfixes            |  |
| <input type="checkbox"/>            | Installed Apps                |  |
| <input checked="" type="checkbox"/> | Services                      |  |
| <input type="checkbox"/>            | Optional Features             |  |
| <input checked="" type="checkbox"/> | Shares                        |  |
| <input checked="" type="checkbox"/> | Local Users & Groups          |  |
| <input type="checkbox"/>            | Task Scheduler                |  |
| <input type="checkbox"/>            | Power Options                 |  |

DS Script Parameter: 52095

OK

Figure 21 - Extended Windows Inventory - selection of components

## 8. Site assignment of systems based on the network address

You could previously assign systems to locations using the following functions:

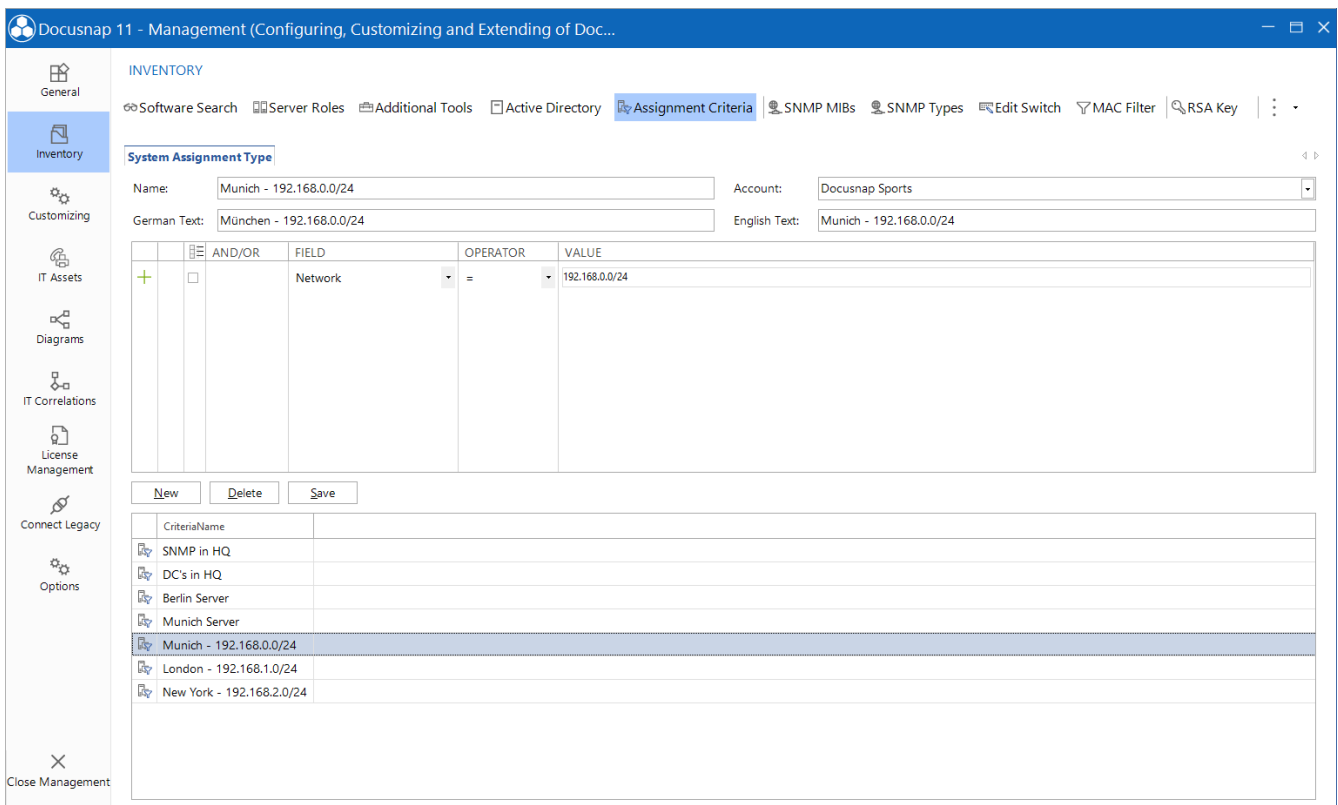
- Manually
- discovery services
- Assignment criteria
  - System name
  - ADS Container
  - Domain
  - System type

With the new version, you can now also use the **network address** as an assignment criterion. You must enter the network address in den **CIDR notation** – for example:

- 192.168.0.0/22 – IP-Addresses from 192.168.0.1 to 192.168.3.254
- 192.168.4.0/24 – IP-Addresses from 192.168.4.1 to 192.168.4.254

The assignment criteria can be found in two places:

### 1. Administration - Inventory - Assignment Criteria



**Docusnap 11 - Management (Configuring, Customizing and Extending of Doc...**

**INVENTORY**

Software Search | Server Roles | Additional Tools | Active Directory | **Assignment Criteria** | SNMP MIBs | SNMP Types | Edit Switch | MAC Filter | RSA Key | ⋮

**System Assignment Type**

Name: Munich - 192.168.0.0/24 Account: Docusnap Sports

German Text: München - 192.168.0.0/24 English Text: Munich - 192.168.0.0/24

| AND/OR                   | FIELD   | OPERATOR | VALUE          |
|--------------------------|---------|----------|----------------|
| <input type="checkbox"/> | Network | =        | 192.168.0.0/24 |

New Delete Save

| CriterialName                  |
|--------------------------------|
| SNMP in HQ                     |
| DC's in HQ                     |
| Berlin Server                  |
| Munich Server                  |
| <b>Munich - 192.168.0.0/24</b> |
| London - 192.168.1.0/24        |
| New York - 192.168.2.0/24      |

Close Management

Figure 22 - New Assignment Criteria – Network address

The assignment criteria must then be assigned to the site. You can do this as follows:

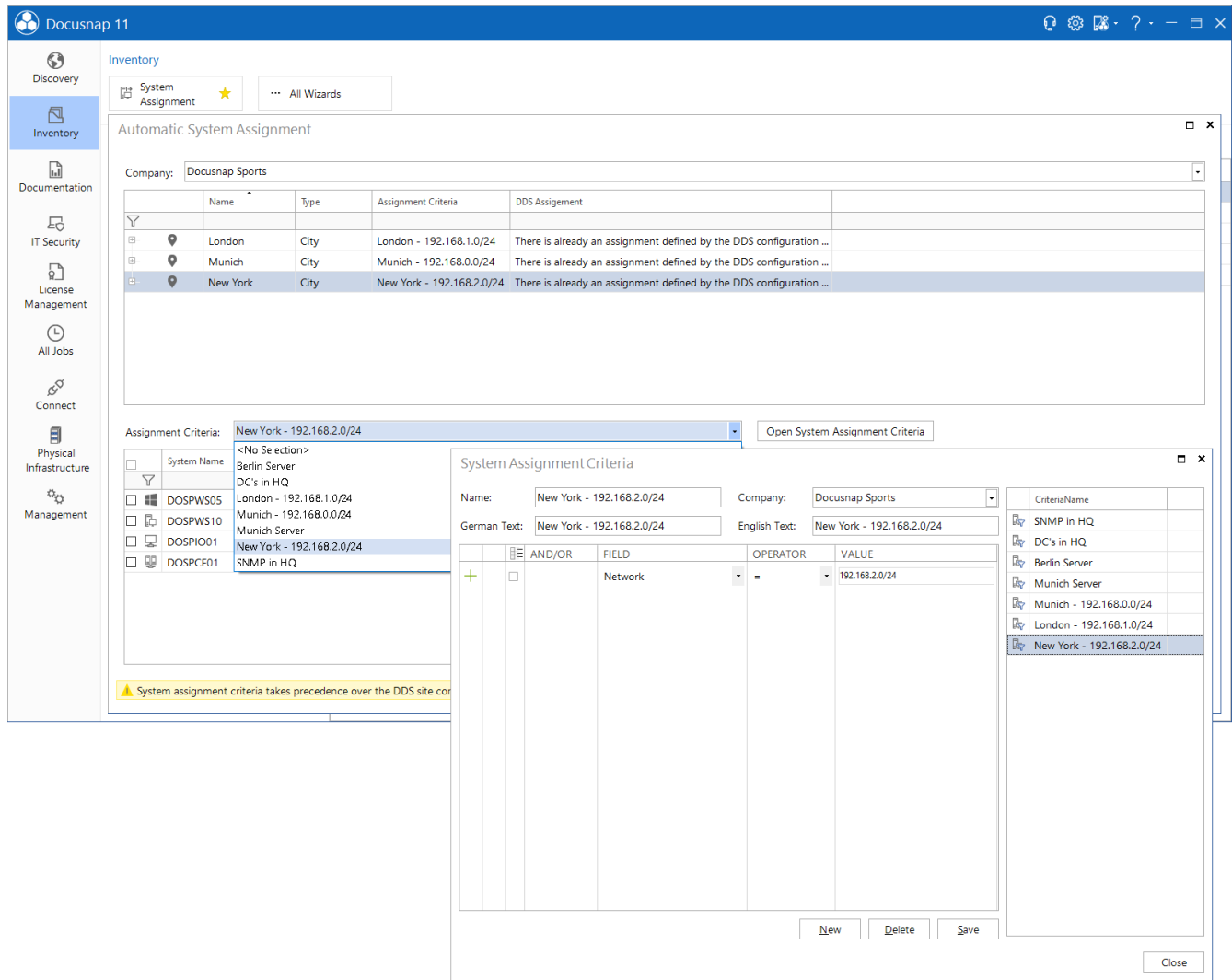
- Inventory - All Wizards - **System Assignment**
- All orders - All assistants - **System assignment**



## 2. In the System Assignment Wizard

- Inventory - All Wizards - **System Mapping**
- All orders - All assistants - **System assignment**

You can open the assignment criteria through the button Open System Assignment Criteria. Now you can create or edit existing criteria. The criteria can then be assigned to a site using the list.



The screenshot displays the Docusnap 11 System Assignment Wizard. The main window, titled "Automatic System Assignment", shows a list of sites under the company "Docusnap Sports". The sites are London, Munich, and New York. The "New York" site is selected, and the "Open System Assignment Criteria" button is visible. A modal window titled "System Assignment Criteria" is open, showing a list of criteria on the left and a detailed view on the right. The detailed view shows a criteria name "New York - 192.168.2.0/24" and a table with columns: AND/OR, FIELD, OPERATOR, and VALUE. The table contains one row: "Network" with operator "=" and value "192.168.2.0/24". Buttons for "New", "Delete", "Save", and "Close" are at the bottom.

Figure 23 - Creating and assigning assignment criteria in the System Assignment Wizard

## 9. Maintain Data Inventory - wizard for cleaning systems from the database

With the new Maintain Data Inventory wizard, you can quickly and easily delete systems from the database.

You can find the wizard as follows:

- Inventory - All assistants - Maintain Data Inventory

In the wizard you will see the following information, which you can also filter by:

- Name
- Domain
- Company
- System type
- Last inventory
- Password age

You will find the available functionalities for filtering in our [User Manual - Introduction - Filtering](#).

Systeme löschen

×

Löschen

Company

| <input checked="" type="checkbox"/> | Name     | Last Inventory      | Domain             | Company         | System Type | Password Age |  |
|-------------------------------------|----------|---------------------|--------------------|-----------------|-------------|--------------|--|
|                                     |          | <01.04.2020         |                    |                 |             |              |  |
| Docusnap Sports                     |          |                     |                    |                 |             |              |  |
| <input checked="" type="checkbox"/> | DOSPWS05 |                     | docusnapsports.com | Docusnap Sports | Offline     |              |  |
| <input checked="" type="checkbox"/> | DOSPHY01 |                     | docusnapsports.com | Docusnap Sports | Offline     |              |  |
| <input checked="" type="checkbox"/> | DOSPMC01 | 12/09/2016 15:59:36 | docusnapsports.com | Docusnap Sports | Mac         |              |  |
| <input checked="" type="checkbox"/> | DOSPUX01 | 08/09/2016 14:40:51 | docusnapsports.com | Docusnap Sports | HP-UX       |              |  |
| <input checked="" type="checkbox"/> | DOSPWS07 | 31/03/2020 16:28:11 | docusnapsports.com | Docusnap Sports | Workstation | 86           |  |
| <input checked="" type="checkbox"/> | DOSPFW01 | 12/09/2016 20:36:04 | docusnapsports.com | Docusnap Sports | SNMP        |              |  |

Schließen

Figure 24 - Maintain Data Inventory

## 10. License cleanup

In addition to the wizard for deleting systems described above, a second wizard has been added to Docusnap, which allows you to clean up only licensed systems. This is advantageous, for example, if you are sublicensed or about to be.

The systems in Docusnap that are subject to licensing include

- Windows systems (workstations, servers, and domain controllers)
- Linux systems
- Mac systems
- CIFS
- thin clients
- HP-UX

Furthermore, all active computer accounts from the Active Directory are used. You can now also check the number of these.

The wizards can be found as follows

- Options - General - Licensing - Display detailed information
- Help - License information

Within the detailed information you now have the choice between **Delete systems** and **Check Active Directory**.

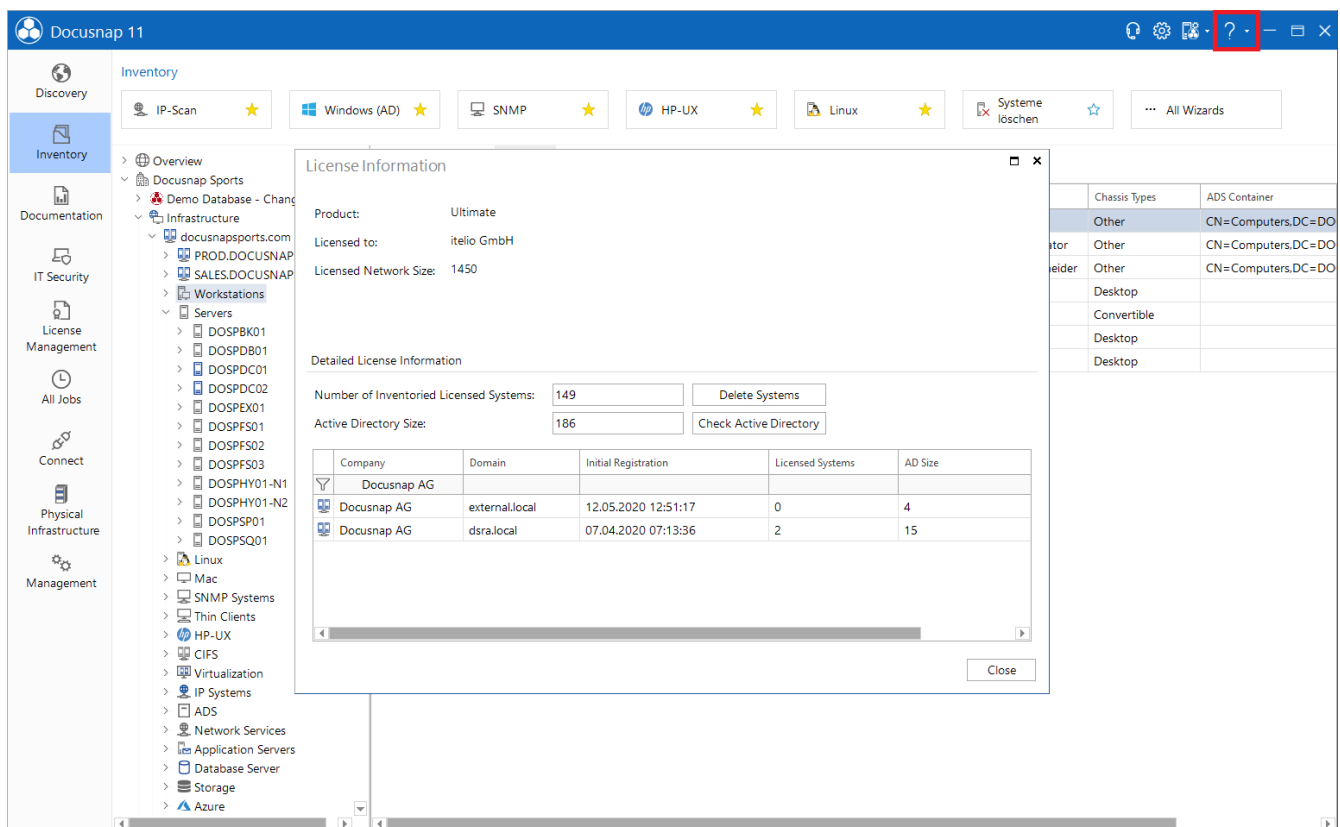


Figure 25 – License Cleanup

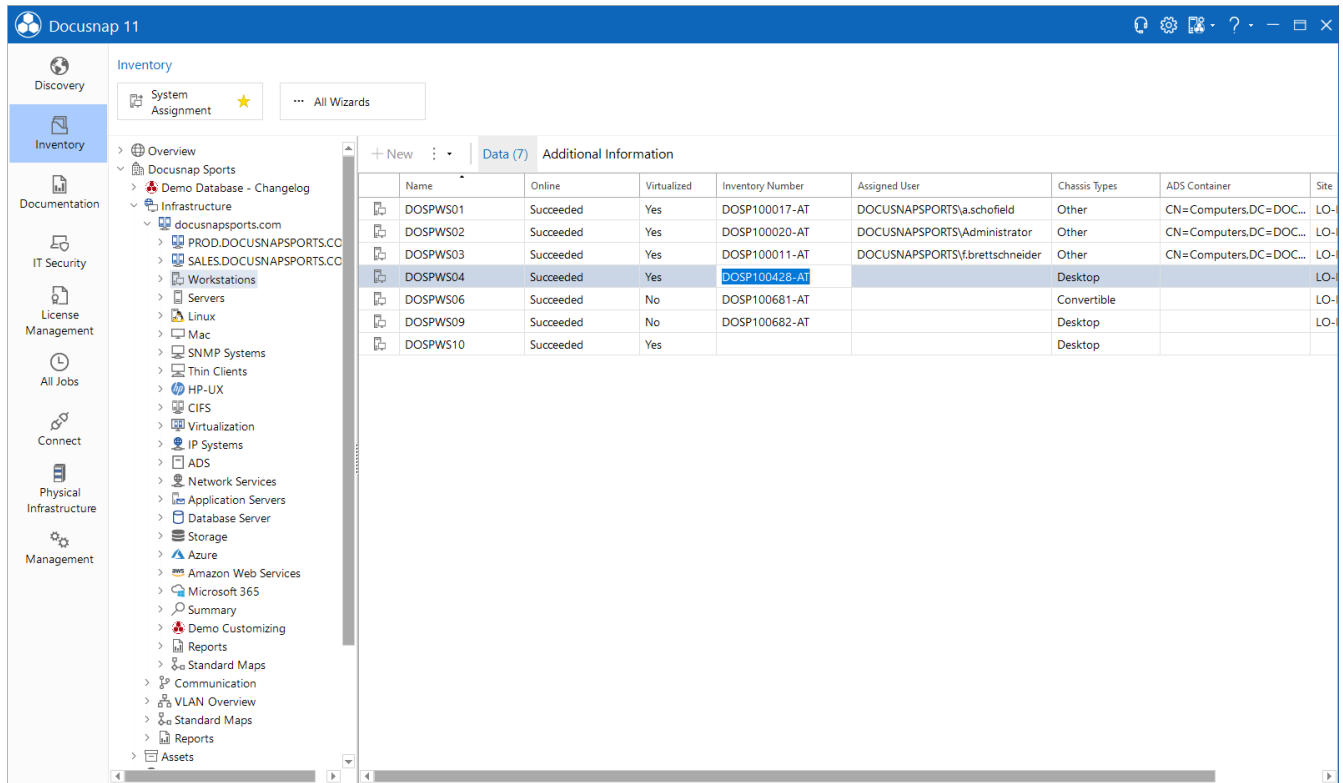
Using **Delete systems**, you can remove the systems requiring a license from the database and thus clean up your license.

Use **Check Active Directory** to update the current number of active computer accounts. For example, if you have deleted or deactivated computer accounts, these changes are then reflected in the license.

It is also important that you remove the corresponding Windows systems from Docusnap as well, provided they have been inventoried. You can either delete this via **Systems** or perform the ADS adjustment.

## 11. Copy information out of the data area

It is now possible to copy information and values directly from the data area.



The screenshot shows the Docusnap 11 application window. The left sidebar contains navigation icons for Discovery, Inventory, Documentation, IT Security, License Management, All Jobs, Connect, Physical Infrastructure, and Management. The main area is titled 'Inventory' and shows a tree view on the left with 'Overview' expanded. The right pane displays a table with 7 columns: Name, Online, Virtualized, Inventory Number, Assigned User, Chassis Types, ADS Container, and Site. The table contains 10 rows of data, with the 4th row (DOSPWS04) highlighted in blue.

| Name     | Online    | Virtualized | Inventory Number | Assigned User                | Chassis Types | ADS Container          | Site |
|----------|-----------|-------------|------------------|------------------------------|---------------|------------------------|------|
| DOSPWS01 | Succeeded | Yes         | DOSP100017-AT    | DOCUSNAPSPTS\aschofield      | Other         | CN=Computers.DC=DOC... | LO-  |
| DOSPWS02 | Succeeded | Yes         | DOSP100020-AT    | DOCUSNAPSPTS\Administrator   | Other         | CN=Computers.DC=DOC... | LO-  |
| DOSPWS03 | Succeeded | Yes         | DOSP100011-AT    | DOCUSNAPSPTS\fbrettschneider | Other         | CN=Computers.DC=DOC... | LO-  |
| DOSPWS04 | Succeeded | Yes         | DOSP100428-AT    |                              | Desktop       |                        | LO-  |
| DOSPWS06 | Succeeded | No          | DOSP100681-AT    |                              | Convertible   |                        | LO-  |
| DOSPWS09 | Succeeded | No          | DOSP100682-AT    |                              | Desktop       |                        | LO-  |
| DOSPWS10 | Succeeded | Yes         |                  |                              | Desktop       |                        |      |

Figure 26 - Copy information out of the data area

## 12. Integration of demo data when creating a new Docusnap database

In previous versions of Docusnap a demo database (DocusnapDemo.bak) was delivered in the installation directory. This demo database contained sample data for inventory, physical infrastructure, license management etc. Due to the increased scope of the demo database, it will no longer be delivered in this form.

If you would like to use the sample data, you can include it when creating a new database. You can do this as follows:

### 1. During the initial configuration of Docusnap

When you configure Docusnap for the first time and create the database, you will be asked if you want to **Create Database with DocusnapSports Demo Company** after selecting the Connect/Create button. If this query is activated, the sample data will be imported. You are able to remove the Demo Client from the database later.

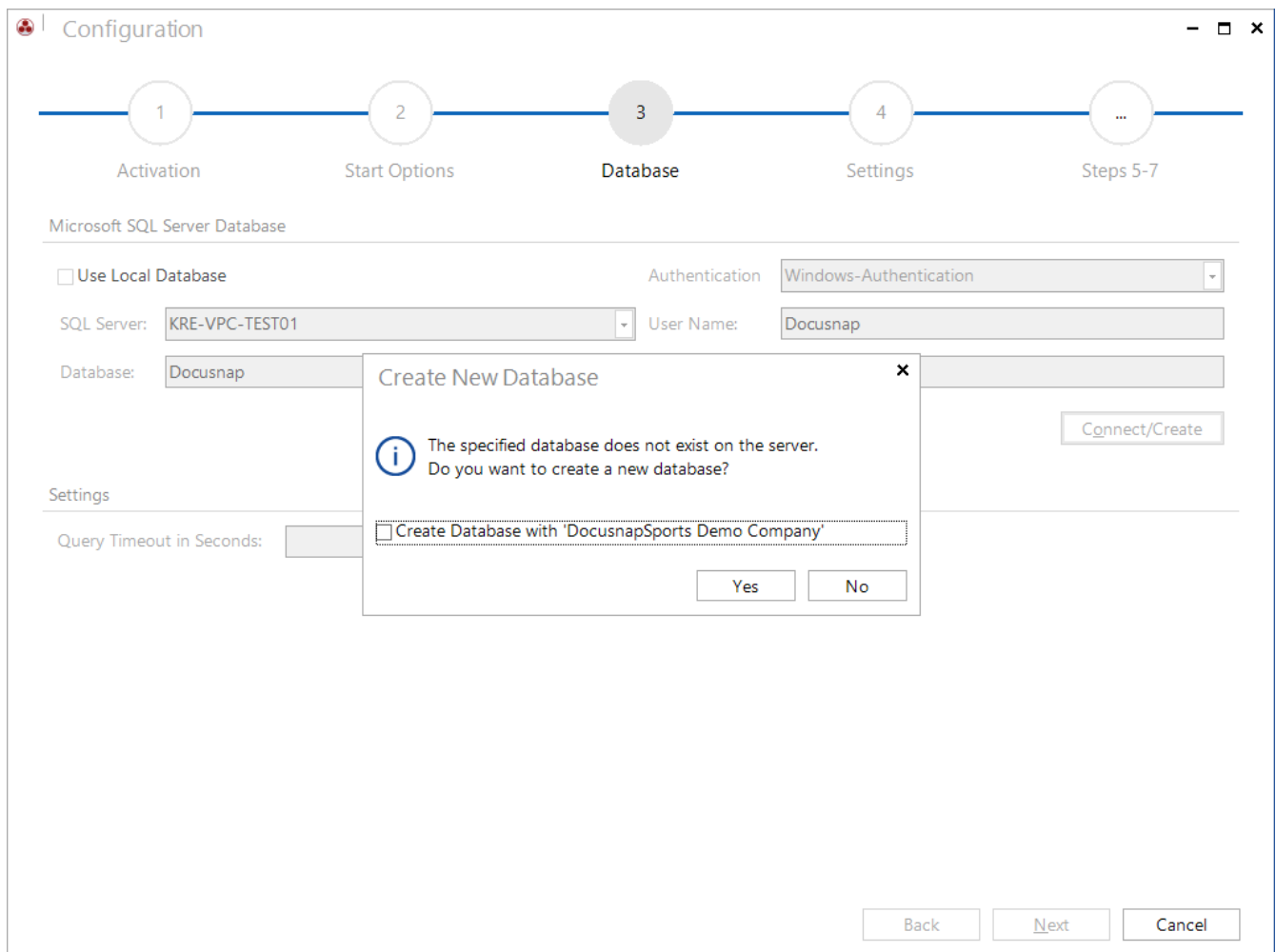


Figure 27 - Import Sample Data during Initial Configuration

## 2. While creating a new database

- Switch to the **general options** of Docusnap - Database
- Select a new database name
- Select the **Connect/Create** button

Note that you need **dbcreator** or **sysadmin** permissions to create databases on the SQL Server.

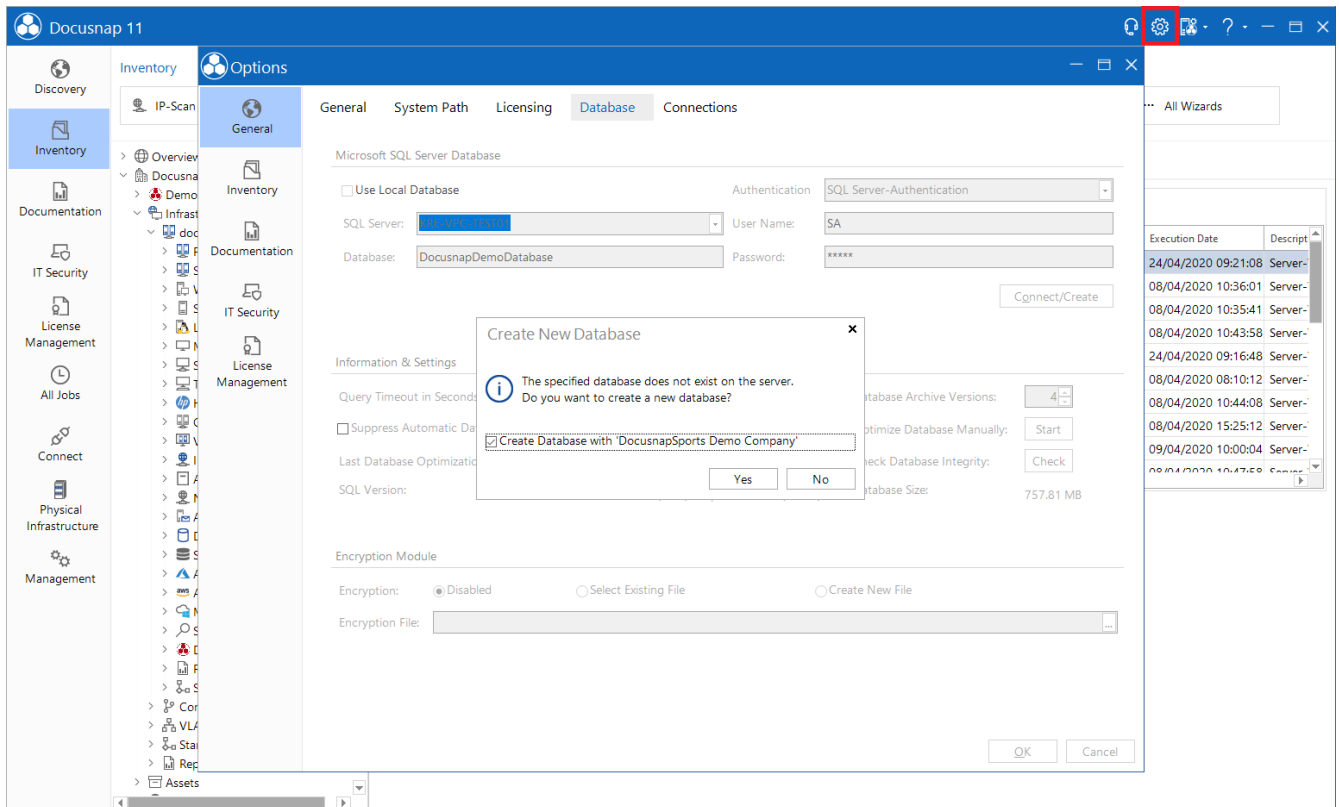


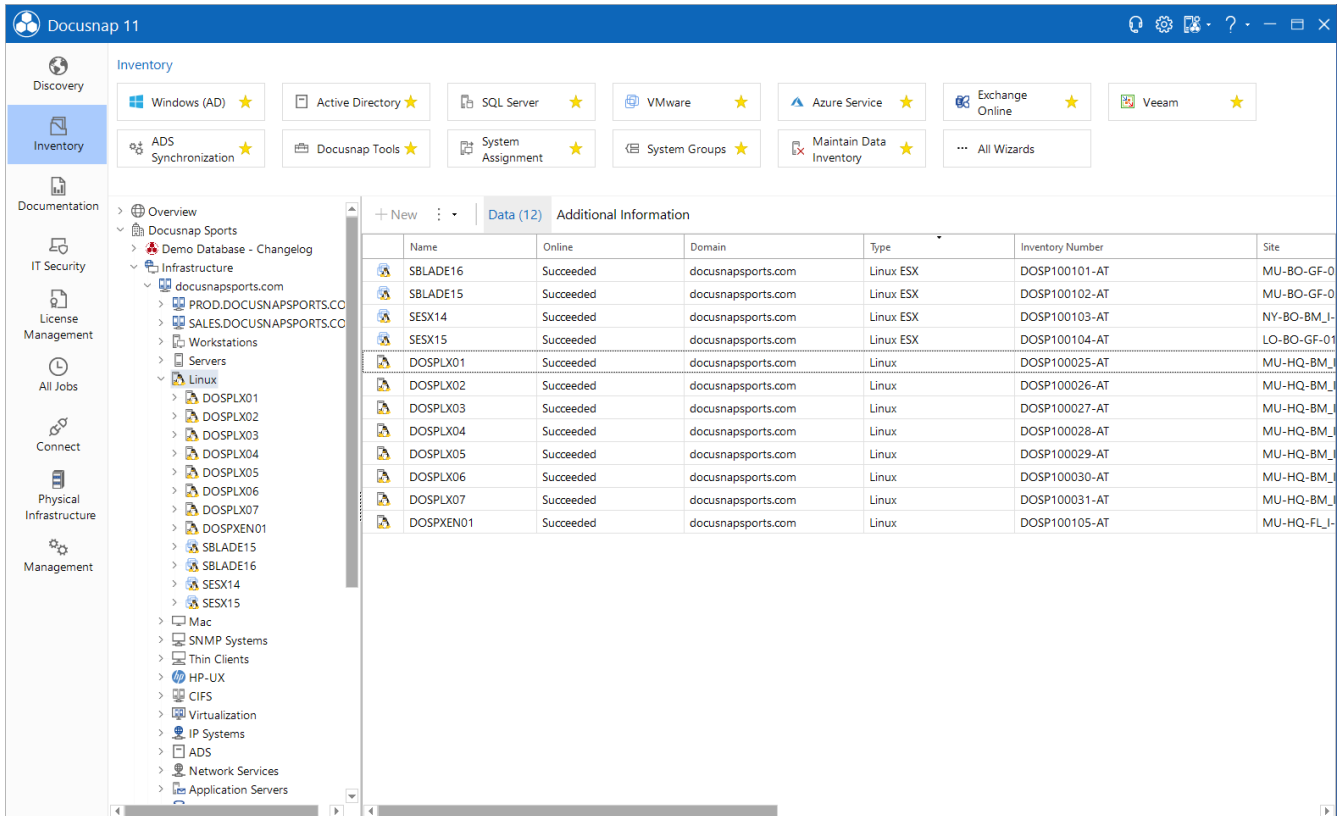
Figure 28 - Including demo data when creating a new database

If you confirm the selection regarding the DocusnapSports Demo Company, you will find two clients in your database. The client DocusnapSports cannot be used any further and will only provide you with demo data and will not be considered in the license count.

## 13. Adapting the available host types in Docusnap

All system types that can be inventoried in Docusnap are stored in the table tHosts and are distinguished by a HostTypeID. In version 11, the following changes result from this:

- For Linux systems there is only the HostTypeID 102 and the name Linux
- ESX hosts are now managed under a separate HostTypeID - 104
  - ESX hosts can still be found under the Linux systems



The screenshot shows the Docusnap 11 interface. The left sidebar contains navigation options: Discovery, Inventory (selected), Documentation, IT Security, License Management, All Jobs, Connect, Physical Infrastructure, and Management. The main area displays the 'Inventory' section with a list of hosts. The table below represents the data shown in the screenshot.

| Name      | Online    | Domain             | Type      | Inventory Number | Site       |
|-----------|-----------|--------------------|-----------|------------------|------------|
| SBLADE16  | Succeeded | docusnapsports.com | Linux ESX | DOSP100101-AT    | MU-BO-GF-0 |
| SBLADE15  | Succeeded | docusnapsports.com | Linux ESX | DOSP100102-AT    | MU-BO-GF-0 |
| SESX14    | Succeeded | docusnapsports.com | Linux ESX | DOSP100103-AT    | NY-BO-BM_I |
| SESX15    | Succeeded | docusnapsports.com | Linux ESX | DOSP100104-AT    | LO-BO-GF-0 |
| DOSPLX01  | Succeeded | docusnapsports.com | Linux     | DOSP100025-AT    | MU-HQ-BM_I |
| DOSPLX02  | Succeeded | docusnapsports.com | Linux     | DOSP100026-AT    | MU-HQ-BM_I |
| DOSPLX03  | Succeeded | docusnapsports.com | Linux     | DOSP100027-AT    | MU-HQ-BM_I |
| DOSPLX04  | Succeeded | docusnapsports.com | Linux     | DOSP100028-AT    | MU-HQ-BM_I |
| DOSPLX05  | Succeeded | docusnapsports.com | Linux     | DOSP100029-AT    | MU-HQ-BM_I |
| DOSPLX06  | Succeeded | docusnapsports.com | Linux     | DOSP100030-AT    | MU-HQ-BM_I |
| DOSPLX07  | Succeeded | docusnapsports.com | Linux     | DOSP100031-AT    | MU-HQ-BM_I |
| DOSPXEN01 | Succeeded | docusnapsports.com | Linux     | DOSP100105-AT    | MU-HQ-FL-I |

Figure 29 - System types - Linux and ESX Hosts



## 14. Inventory of serial numbers of SNMP devices

In Docusnap 11 the serial numbers of SNMP systems are now also inventoried. Previously, the SNMP inventory only included the serial numbers of printers by default, if they were available.

The ENTITY-MIB is used to read out the serial numbers. This MIB is defined by the Internet Engineering Task Force as RFC2737. Part of this MIB is the serial number of the SNMP devices, if the manufacturer of the system adheres to the given definition.

A high hit rate in the inventory of the serial numbers is achieved for switches.

The serial number of SNMP systems inventoried with Docusnap 11 can be found as follows

- SNMP Systems - Category - SNMP System - General - Serial Number

Please note that an empty serial number does not mean that Docusnap is not working properly.

During the inventory, it is possible, e.g. especially with switches, that the serial numbers of various components are also contained within the ENTITY-MIB - e.g. power supply and fans. Furthermore, a switch can have several switch modules (stacked switch). In this case you will find the serial numbers of the components / modules as follows:

- SNMP Systems - Category - SNMP System - SNMP Hardware Components

## 15. Adjustments in the user management

If you have several tenants in Docusnap X and set permissions within the tree structure, this always had a direct effect on all tenants. In Docusnap 11 you can now activate the **Tenant separation for Docusnap Permissions**. This means that permissions set for client A have no effect on client B. You can set own permissions for client B.

You can activate the options within the **Options - General - General**.

The following screenshot illustrates the scenario. The company Docusnap Ltd. has permissions set - only the role Administration may see this tenant (framed in red). However, this permission assignment has direct effects on the other tenants (framed in blue).

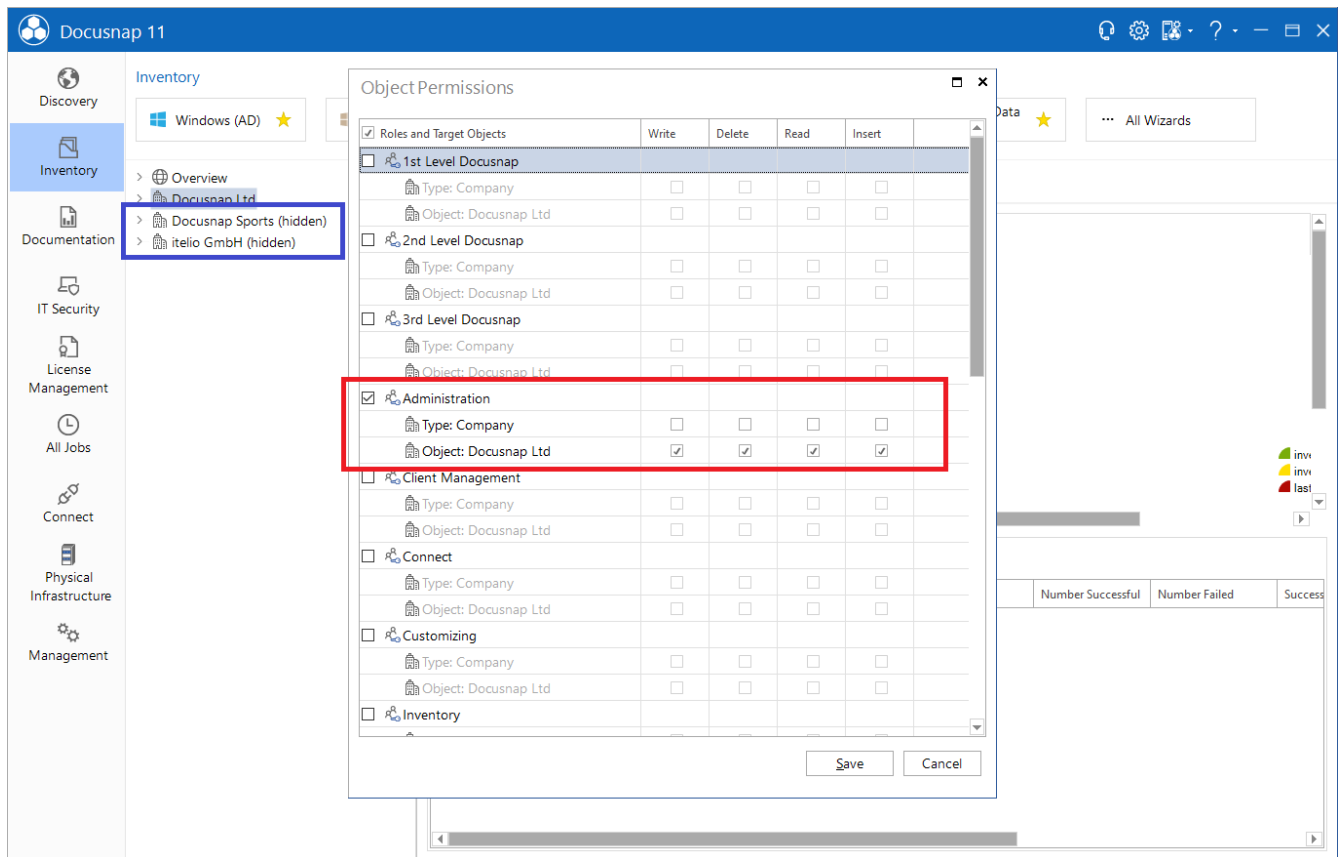


Figure 30 - Effects of set permissions on the other tenants

If the option **Tenant separation for Docusnap Permissions** is active, the changes only affect the selected tenant.

## 16. Zerologon - Reports and evaluations

Currently the vulnerability Zerologon is in circulation. This vulnerability has the following characteristics:

- The vulnerability (CVE-2020-1472) is rated with the highest possible CVSS score of 10
  - The CVSS Score (Common Vulnerability Scoring System) is an industry standard that assesses the severity of security vulnerabilities
- This is a critical vulnerability affecting all Windows domain controllers (security updates are available from Windows Server 2008R2 to Windows Server 2019)
- This vulnerability is in the Netlogon Remote Protocol (MS-NRPC or RPC) and is used only by computers that are members of this domain
- Impact: if this vulnerability is exploited, attackers can take over entire domains with admin rights,
- Detailed instructions on how to carry out an attack are easily available on the Internet

Microsoft has released Security Updates (Hotfix) which closes the detected vulnerability and reports systems communicating insecurely with domain controllers via additional event IDs.

Docusnap can scan the event log of domain controllers for these event IDs by extending the Windows inventory. Together with the installed Security Updates (Hotfix) Docusnap can then list all insecure RPC systems in a domain

These reports can be found below your domain - Reports - AD DS Security:

- **Zerologon - DC Check**

This report shows all existing domain controllers of the domain with all security updates (Hotfix) from August 2020.

- **Zerologon - Event Check**

With the security update (hotfix) announced for February 2021, unsecure RDP client connections will be rejected by the domain controller by default and these systems will no longer be able to log on to the directory service.

This report provides an overview of all event IDs that indicate this problem.

### NOTE

Analysis with Docusnap requires a complete and up-to-date AD DS and Windows scan of the domain controllers!

## 17. Manage Reports – categories and descriptions

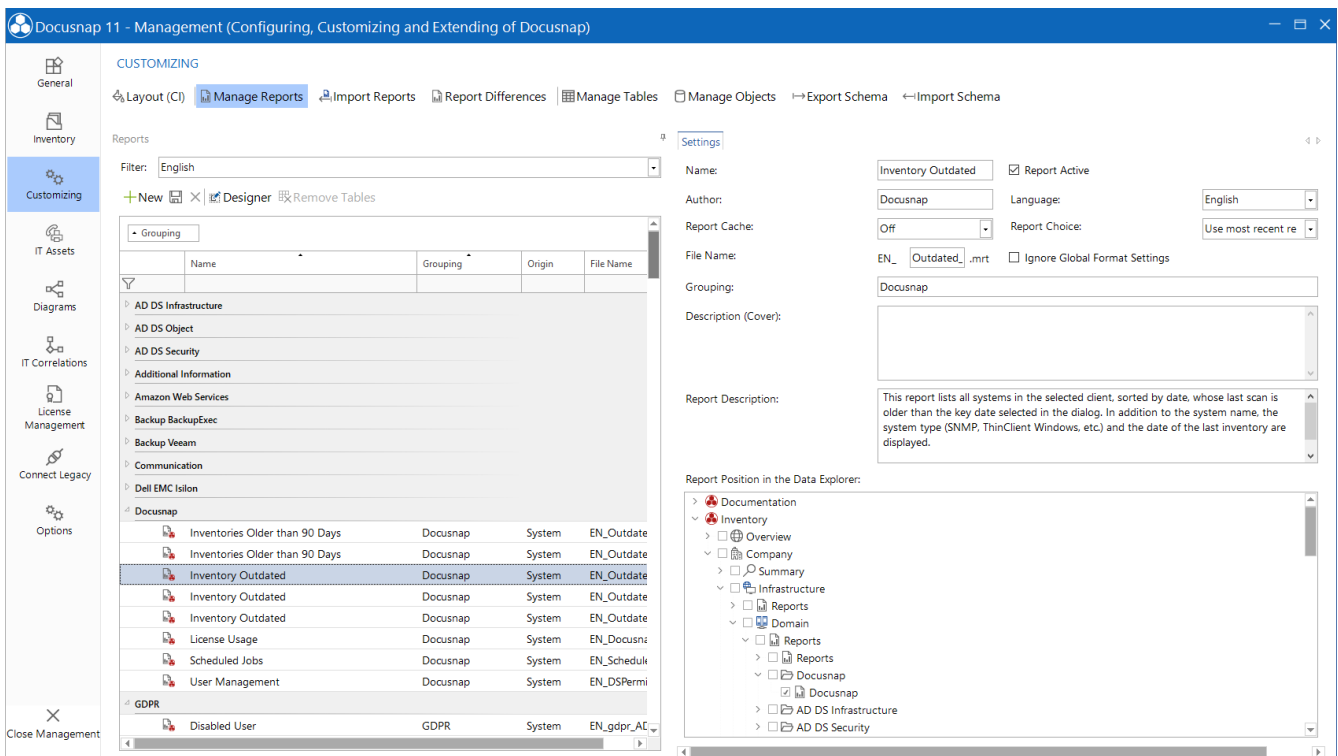
By default, Docusnap has over 200 reports that can be found in different areas and different places within the Data Explorer.

The mass of reports can make it difficult for you to find the right report. For this reason, new features have been implemented in the report management. The availability of reports in the data tree has also been adjusted.

In the context of report management in **Administration - Customizing - Manage Reports**, you now receive a grouping according to the different report categories - e.g. AD DS Infrastructure, Microsoft Exchange, VMware etc. In addition to the categorization, after selecting a report you also receive a short description that describes the report content.

In the area **Report Position in the Data Explorer** you can see where in the data tree the report is available.

You can also work with filters within the list of all reports, for example when you are looking for a specific report.



**Docusnap 11 - Management (Configuring, Customizing and Extending of Docusnap)**

**CUSTOMIZING**

Layout (CI) | **Manage Reports** | Import Reports | Report Differences | Manage Tables | Manage Objects | Export Schema | Import Schema

Reports

Filter: English

+ New | Designer | Remove Tables

| Name                           | Grouping | Origin | File Name  |
|--------------------------------|----------|--------|------------|
| AD DS Infrastructure           |          |        |            |
| AD DS Object                   |          |        |            |
| AD DS Security                 |          |        |            |
| Additional Information         |          |        |            |
| Amazon Web Services            |          |        |            |
| Backup BackupExec              |          |        |            |
| Backup Veeam                   |          |        |            |
| Communication                  |          |        |            |
| Dell EMC Isilon                |          |        |            |
| Docusnap                       |          |        |            |
| Inventories Older than 90 Days | Docusnap | System | EN_Outdate |
| Inventories Older than 90 Days | Docusnap | System | EN_Outdate |
| Inventory Outdated             | Docusnap | System | EN_Outdate |
| Inventory Outdated             | Docusnap | System | EN_Outdate |
| Inventory Outdated             | Docusnap | System | EN_Outdate |
| License Usage                  | Docusnap | System | EN_Docusn  |
| Scheduled Jobs                 | Docusnap | System | EN_Schedul |
| User Management                | Docusnap | System | EN_DSPermi |
| GDPR                           |          |        |            |
| Disabled User                  | GDPR     | System | EN_gdpr_AC |

**Settings**

Name: Inventory Outdated ☒ Report Active

Author: Docusnap Language: English

Report Cache: Off Report Choice: Use most recent re

File Name: EN\_ Outdated\_ .mrt ☐ Ignore Global Format Settings

Grouping: Docusnap

Description (Cover):

Report Description: This report lists all systems in the selected client, sorted by date, whose last scan is older than the key date selected in the dialog. In addition to the system name, the system type (SNMP, ThinClient Windows, etc) and the date of the last inventory are displayed.

Report Position in the Data Explorer:

- Documentation
  - Inventory
    - Overview
    - Company
    - Summary
    - Infrastructure
      - Reports
        - Domain
          - Reports
            - Reports
              - Docusnap
                - AD DS Infrastructure
                - AD DS Security

Figure 31 - Report management with categories and descriptions

## 18. New position and categorization of reports in the data tree

As described in the previous chapter, the position of the available reports in the Inventory section has changed. Basically, it can be said that the division / categorization of the reports has been adjusted. This adjustment makes it easier to find the reports. Additionally, the report titles have been adjusted.

The new categories affect the reports below

- Overview
- Company - Infrastructure
- Company - Infrastructure - Domain

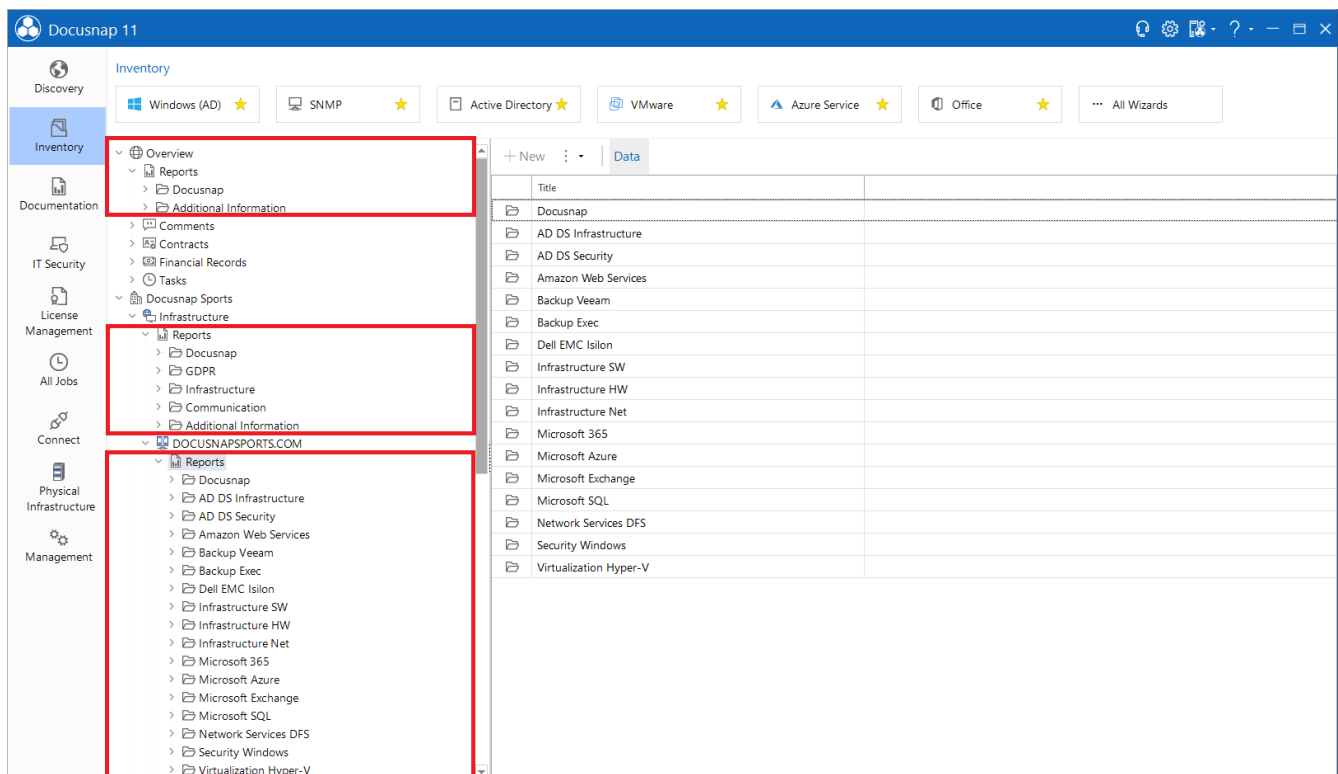


Figure 32 - New position und categorization of reports

Below you will find an overview of the available reports in Docusnap. The list contains both the old and the new name. If you are looking for the new position of a report, check the chapter [Administration - Manage Reports - Categories and Descriptions](#).

| Old Name                                | New Name                             |
|---|--------------------------------------|
| Active Network Components               | Network devices                      |
| Active User of Systems                  | Systems Active Users                 |
| Address Lists                           | Address Lists                        |
| ADS Comparison                          | Changes                              |
| ADS Groups Overview                     | Groups Overview                      |
| ADS User Overview                       | Group Overview by User               |
| All Comments                            | Comments                             |
| All Contracts                           | Contracts                            |
| All Financial Records                   | Financial Records                    |
| All Mailboxes                           | Mailboxes                            |
| All Public Folders                      | Public Folders                       |
| All Tasks                               | Tasks                                |
| All Users                               | User Data Sheets                     |
| Amazon Web Services                     | Overview                             |
| Anti Spyware                            | Systems Anti Spyware Up-to-date      |
| Anti Spyware Overview                   | Systems Anti Spyware                 |
| Anti Virus                              | Systems Anti Virus Up-to-date        |
| Anti Virus Overview                     | Systems Anti Virus                   |
| Azure Overview                          | Overview                             |
| Backup Server                           | Users and Servers                    |
| Comments                                | Comments                             |
| Communication                           | Communication Application            |
| Communication total                     | Communication Applications           |
| Contracts                               | Contracts                            |
| Contracts Dateselection                 | Contracts Contract Closing           |
| Currentness of Data                     | Inventories Up-to-date Status        |
| DFS Overview                            | Overview                             |
| Distribution Groups                     | Distribution Groups                  |
| Docusnap Licensing Overview             | License Usage                        |
| Docusnap Permissions                    | User Management                      |
| EMC <sup>2</sup> Isilon Domain          | Domain Overview                      |
| Exchange Server Overview                | Server Overview                      |
| Failed Jobs                             | Jobs Failed                          |
| Financial Records                       | Financial Records                    |
| Financial Records Cost Center           | Financial Records Cost Center        |
| Financial Records Total Amount          | Financial Records Total Amount       |
| Firewall                                | Windows Defender Firewall Status     |
| GDPR BitLocker                          | Windows Drives Overview              |
| GDPR BitLocker Excel                    | Windows Drives Overview - Excel      |
| GDPR Disabled User Accounts             | Disabled User                        |
| GDPR Disabled User Accounts Excel       | Disabled User - Excel                |
| GDPR Exchange Distribution Groups       | Exchange Distribution Groups         |
| GDPR Exchange Distribution Groups Excel | Exchange Distribution Groups - Excel |

---

|   |  |
|---|--|
| GDPR Exchange Mailboxes                     | Disabled Users, Active Mailbox         |
| GDPR Exchange Mailboxes Excel               | Disabled Users, Active Mailbox - Excel |
| GDPR Server                                 | Windows Server Overview                |
| GDPR Server Excel                           | Windows Server Overview - Excel        |
| GDPR Shares                                 | Shares                                 |
| GDPR Shares Excel                           | Shares - Excel                         |
| GDPR Software                               | Windows Software                       |
| GDPR Software Excel                         | Windows Software - Excel               |
| Group Overview                              | Groups Overview                        |
| Group Overview Recursion                    | Group Overview Recursive               |
| Hard Disk                                   | Windows Drives                         |
| Hardware Overview                           | Hardware Hardware Class                |
| Hardware per System                         | Hardware System                        |
| Hotfix Overview                             | Windows Hotfixes                       |
| Hotfix per System                           | Windows Hotfixes System                |
| IP Addresses Assignment                     | IPv4 all Addresses                     |
| IP Addresses Assignment Grouped             | IPv4 Free in one Block                 |
| IP Addresses Overview                       | IPv4 Occupied Addresses                |
| IPv4 Addresses Overview                     | IPv4 Overview                          |
| IPv4 Addresses Overview Excel               | IPv4 Overview Excel                    |
| IT Structure Key Figures                    | Systems Overview                       |
| Jobs  | Jobs                                   |
| Last Logon                                  | User Last Login Before                 |
| License Key                                 | Windows License Key                    |
| Local Administrators (Users and Groups)     | Administrative Rights Users            |
| Local Administrators per System             | Administrative Rights System           |
| Local Administrators with Group Resolution  | Administrative Rights System Recursive |
| Local User Groups                           | Systems Local Groups                   |
| Mailbox Permissions                         | Mailbox Permissions                    |
| Management Overview                         | Infrastructure Overview                |
| Mobile Devices                              | Mobile Devices Mailbox                 |
| Network Printer                             | Printer                                |
| Never logged on User                        | User without Login                     |
| Not current inventories older than 3 months | Inventories Older than 90 Days         |
| Office 365                                  | Overview                               |
| Offline Systems                             | Offline Systems                        |
| Operating System Overview                   | Operating System                       |
| Orphaned ACL Entries                        | Fileserver Orphaned ACL Entries        |
| Outdated Inventory                          | Inventory Outdated                     |
| Outdated Inventory                          | Inventory Outdated                     |
| Password Age                                | Computer Passwords Overview            |
| Password Log                                | Password Log                           |
| Password Log                                | Password Log                           |
| Password older 90 days                      | Computer Passwords older than 90 Days  |
| Password older than                         | Computer Passwords Older than          |
| Passwords                                   | Passwords                              |
| Processor per System                        | CPU System                             |
| Properties                                  | List Objects                           |

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|   |   |
|---|---|
| Public Folder Permissions                       | Public Folder Permissions                   |
| Ram Overview                                    | RAM Size                                    |
| Ram per System                                  | RAM System                                  |
| Reference Hotfixes and Software (Golden System) | Installation Check Against Reference System |
| Scheduled Jobs                                  | Scheduled Jobs                              |
| Server Compact                                  | Windows Server Compact                      |
| Service Pack                                    | Service Pack                                |
| Services Stopped                                | Active Services Status Stopped              |
| Services with AD Accounts                       | Users Operate Services                      |
| Shares  | Shares                                      |
| Software per System Linux                       | Software Linux                              |
| Software per System Mac                         | Software Mac                                |
| Software per System Windows                     | Software Windows System                     |
| Software Search                                 | Windows Software Search                     |
| Software Summary                                | Software Cumulated                          |
| Software Summary Detailed                       | Software Detailed                           |
| Software Windows Systems                        | Software Windows                            |
| SQL Overview                                    | Overview                                    |
| System Group Hardware List                      | System Group Hardware Class                 |
| System Group Hardware Summary                   | System Group System                         |
| Systems Overview                                | System Data Sheets                          |
| Tasks   | Tasks                                       |
| Topology Information                            | Switches                                    |
| User Overview                                   | User Data Sheets Compact                    |
| User Password never expires                     | User Password Never Expires                 |
| User Password older than                        | User password older than                    |
| User System Assignment                          | Assets User                                 |
| User System Assignment Tabular                  | Assets User - Excel                         |
| Veeam Summary                                   | Server Overview                             |
| VLAN Overview                                   | VLAN  |
| VLAN Overview with Switches                     | VLAN Overview Switch                        |

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## VERSION HISTORY

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| Date            | Description         |
|-----------------|---------------------|
| August 01, 2020 | Version 1.0 created |

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