



DocuSnap Connect
Export / Import

TITLE	DocuSnap Connect
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DATE	4/26/2017

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1. INTRODUCTION

1.1 DOCUSNAP CONNECT (EXPORT)

With Docusnap Connect, you can select data from the Docusnap database and export it to other SQL databases or to various other file formats. This can be done either interactively or as a scheduled task using the Docusnap server. This way, you can use inventory data from Docusnap in other software systems as well.

This document contains two application examples: the first one describes how to create a package definition, the other one explains how to export inventory data to an Excel file.

1.2 DATA IMPORT (CSV)

The Data Import (CSV) feature allows you to import any datasets in CSV format to Docusnap.

This document describes an example of how to use the Import feature. In this example, a description is added to the data of workstations already inventoried with Docusnap.

2. DOCUSNAP CONNECT (EXPORT)

2.1 BASICS

For the export of data from the Docusnap database, you can define Docusnap packages. They contain a definition of the data to be exported. These packages can be configured in the Management module of Docusnap.

The export package will then be executed separately in the *Scheduling* module by selecting the "Schedule Package" option.

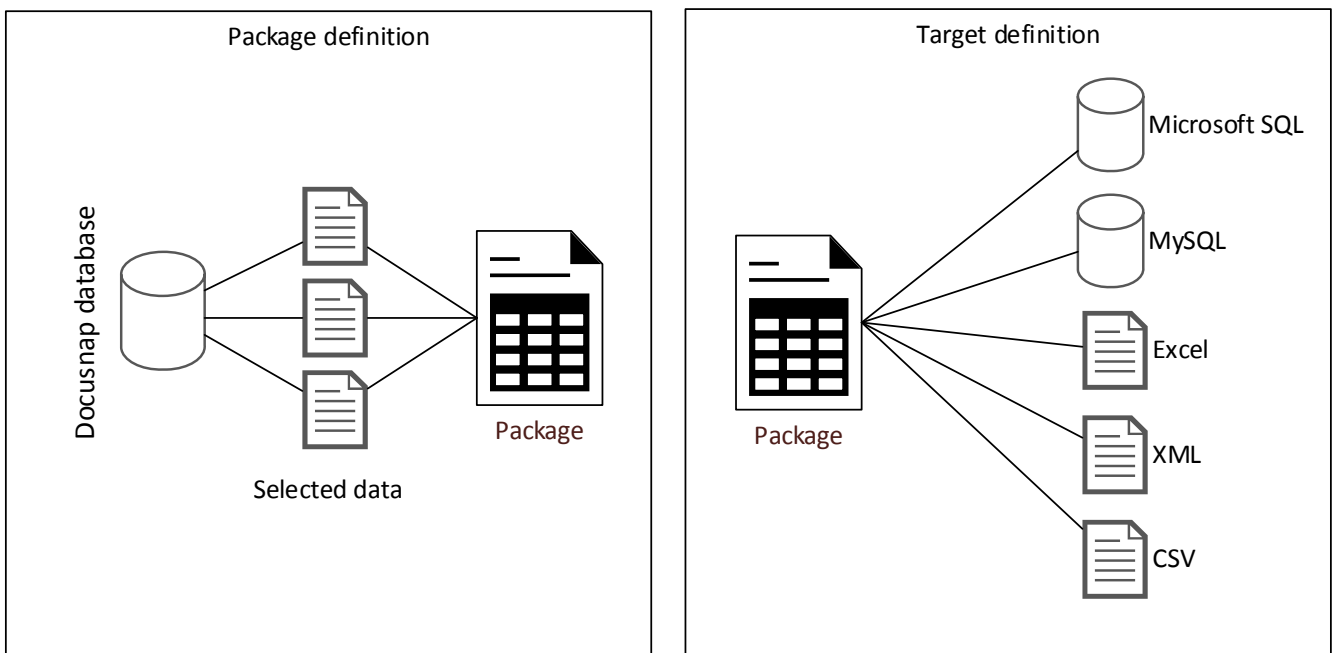


Fig. 1 – Separate package and target definitions

2.2 APPLICATION EXAMPLE

The following application example shows how to create a package definition with the following information:

- Output of all host names and the date of their last inventory scan
- Only Windows 7 workstations

This data will then be exported to an Excel file.

2.3 DEFINING A PACKAGE

In Docusnap, a package is used to define a SQL query. Queries can be used to limit the information stored in the database to a desired subset that will then be exported in a second step. In this example, only data for Windows 7 systems will be returned. By using the *Edit Package* feature, you can create these queries with a few clicks. No SQL knowledge is required.

2.3.1 LAUNCHING THE PACKAGE CONFIGURATION

Packages are created in the Docusnap Management module. To open it, click the *Docusnap* button in the upper left corner of the screen.

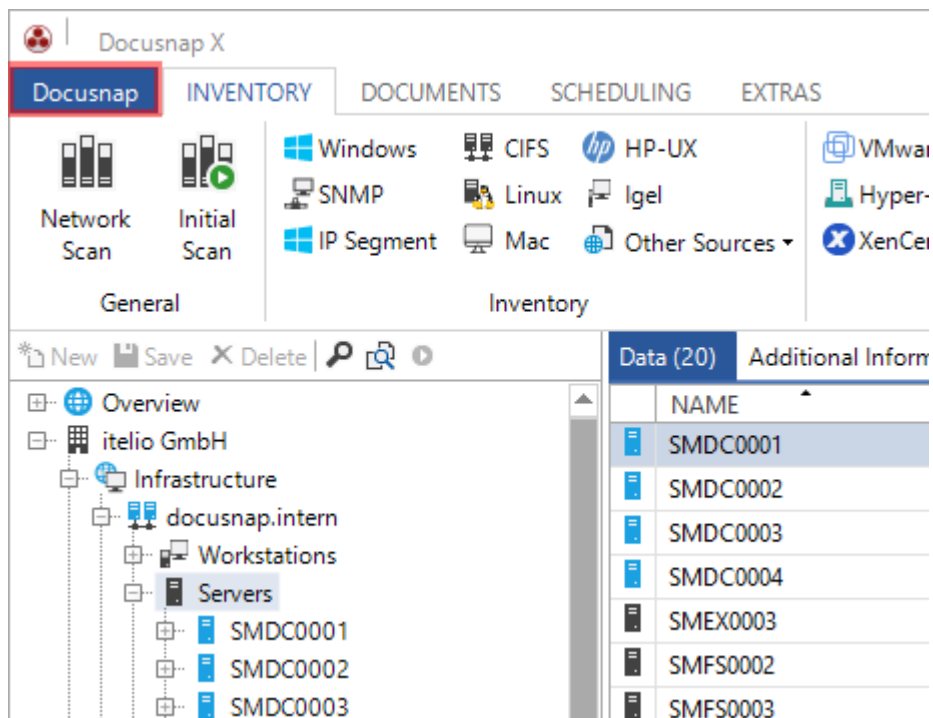


Fig. 2 – Selecting the Docusnap button in the upper left corner

Then, select the *Management* option.

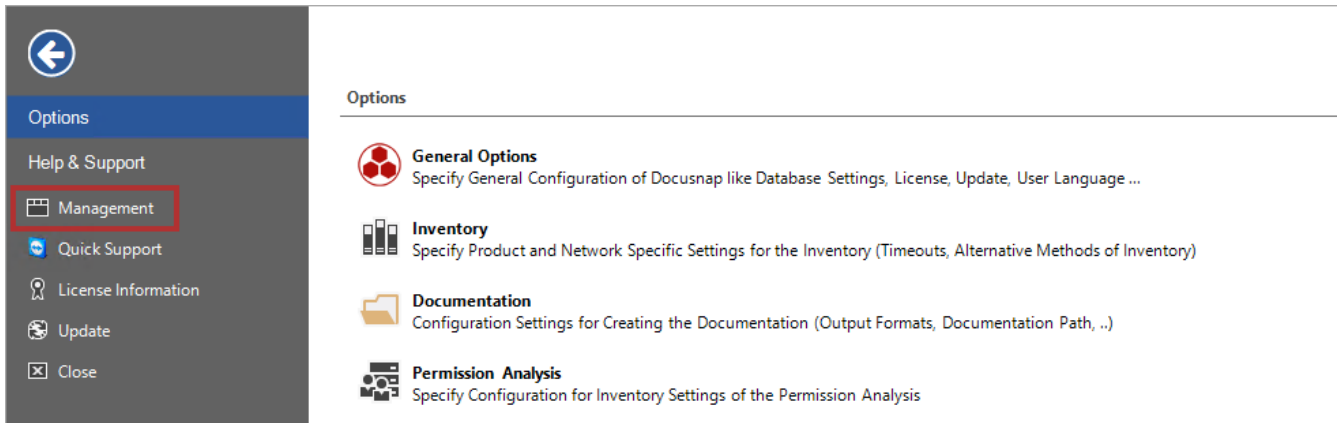


Fig. 3 – Starting the Management module

The *Docusnap Connect* group is located at the far right of the *General* ribbon.

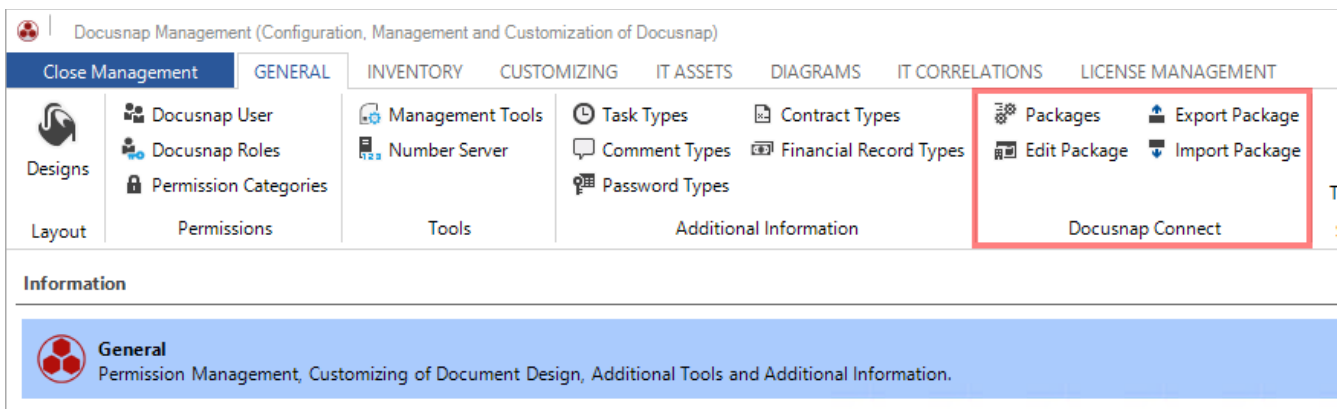


Fig. 4 – Docusnap Management

The menu items in this group can be used to create and edit packages, to export them for use in other Docusnap installations, or to import existing packages.

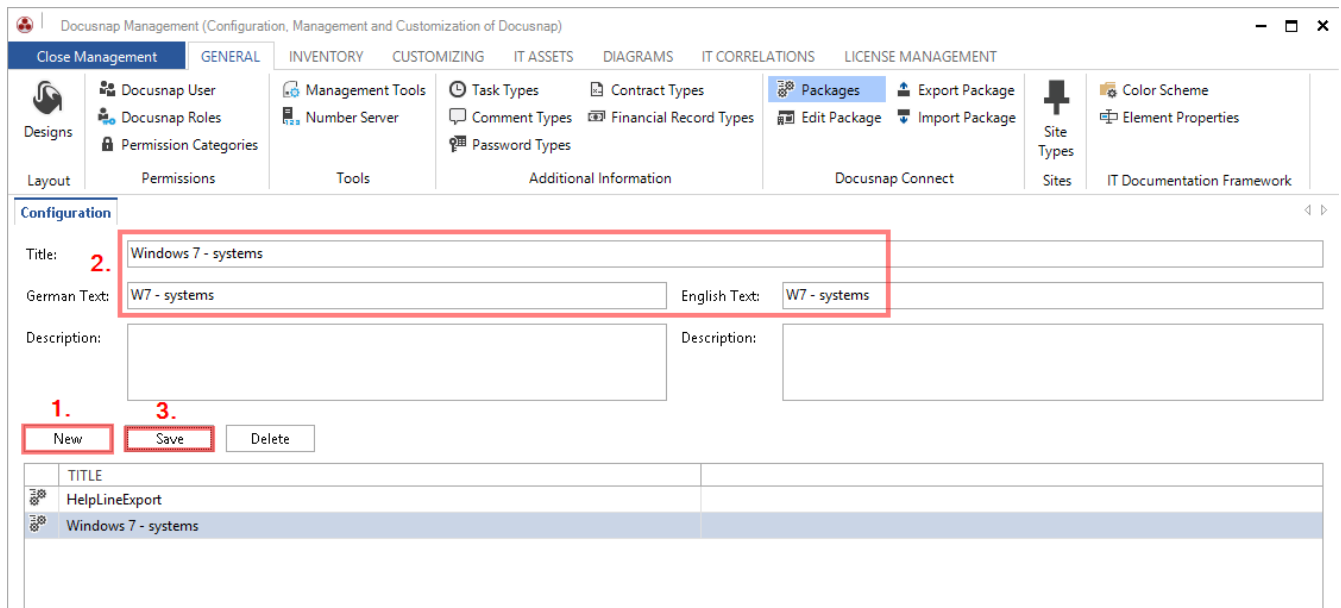
2.3.2 CREATING A NEW PACKAGE

To create a new package, select *Packages* in the ribbon.

Step 1: Click “New”.

Step 2: Enter a title and a description in English in both fields (English and German). When you are working with the English user interface, the value in the “English” field will be applicable.

Step 3: Click “Save”.



Docusnap Management (Configuration, Management and Customization of Docusnap)

Close Management | GENERAL | INVENTORY | CUSTOMIZING | IT ASSETS | DIAGRAMS | IT CORRELATIONS | LICENSE MANAGEMENT

Designs | Docusnap User | Management Tools | Task Types | Contract Types | Packages | Export Package | Color Scheme
Docusnap Roles | Number Server | Comment Types | Financial Record Types | Edit Package | Import Package | Site Types | Element Properties
Permission Categories | Password Types | Docusnap Connect | Sites | IT Documentation Framework

Layout | Permissions | Tools | Additional Information | Docusnap Connect | Sites | IT Documentation Framework

Configuration

Title: **2.** Windows 7 - systems

German Text: W7 - systems | English Text: W7 - systems

Description: | Description:

1. New | **3.** Save | Delete

TITLE
HelpLineExport
Windows 7 - systems

Fig. 5 – Creating a package

2.3.3 EDITING A PACKAGE

Click *Edit Package* in the ribbon to create the definition of the package to be used for export. First, select the desired package.

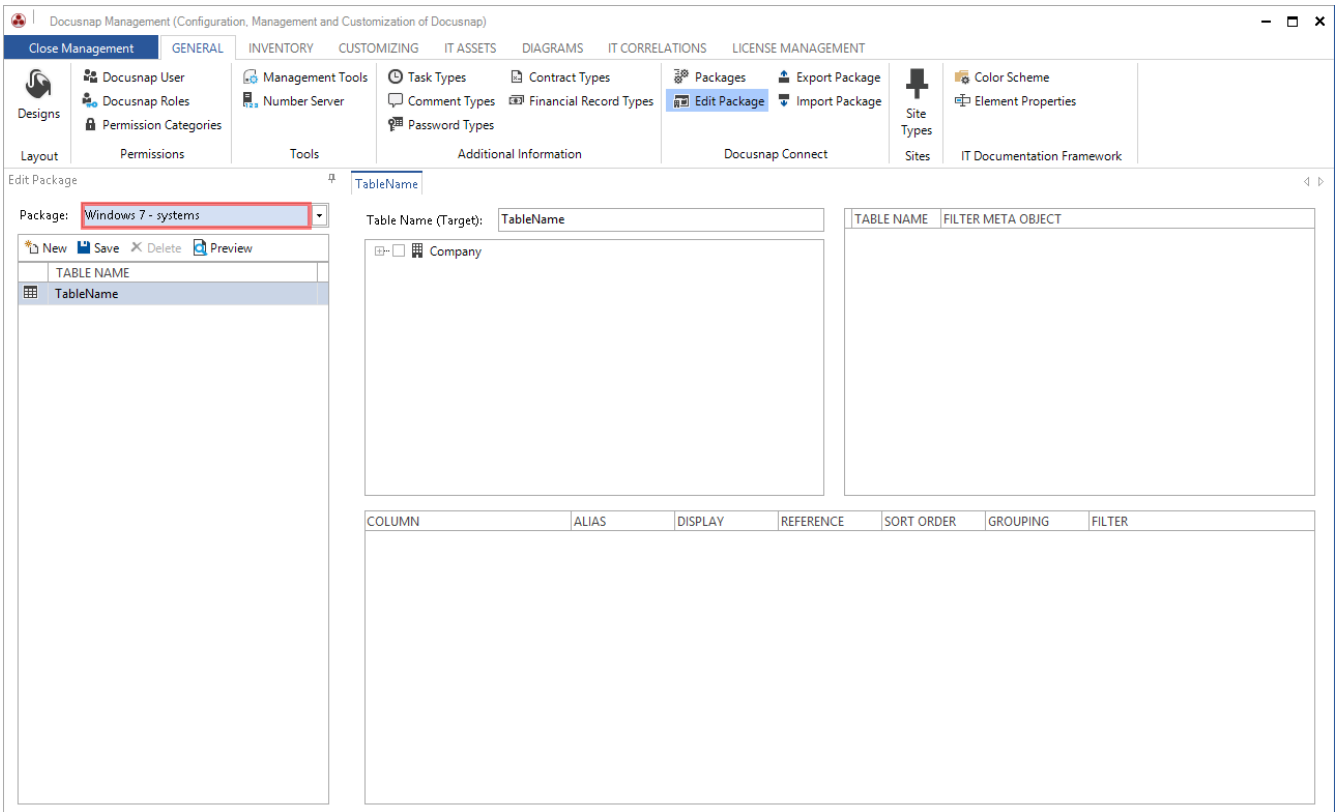


Fig. 6 – Selecting the package

2.4 SELECTING THE DATA

2.4.1 GENERAL

Now, you need to select the tables that contain the desired information. For this purpose, the wizard displays the known tree structure in the *TableName* tab. There, you can navigate to the desired node and select it.

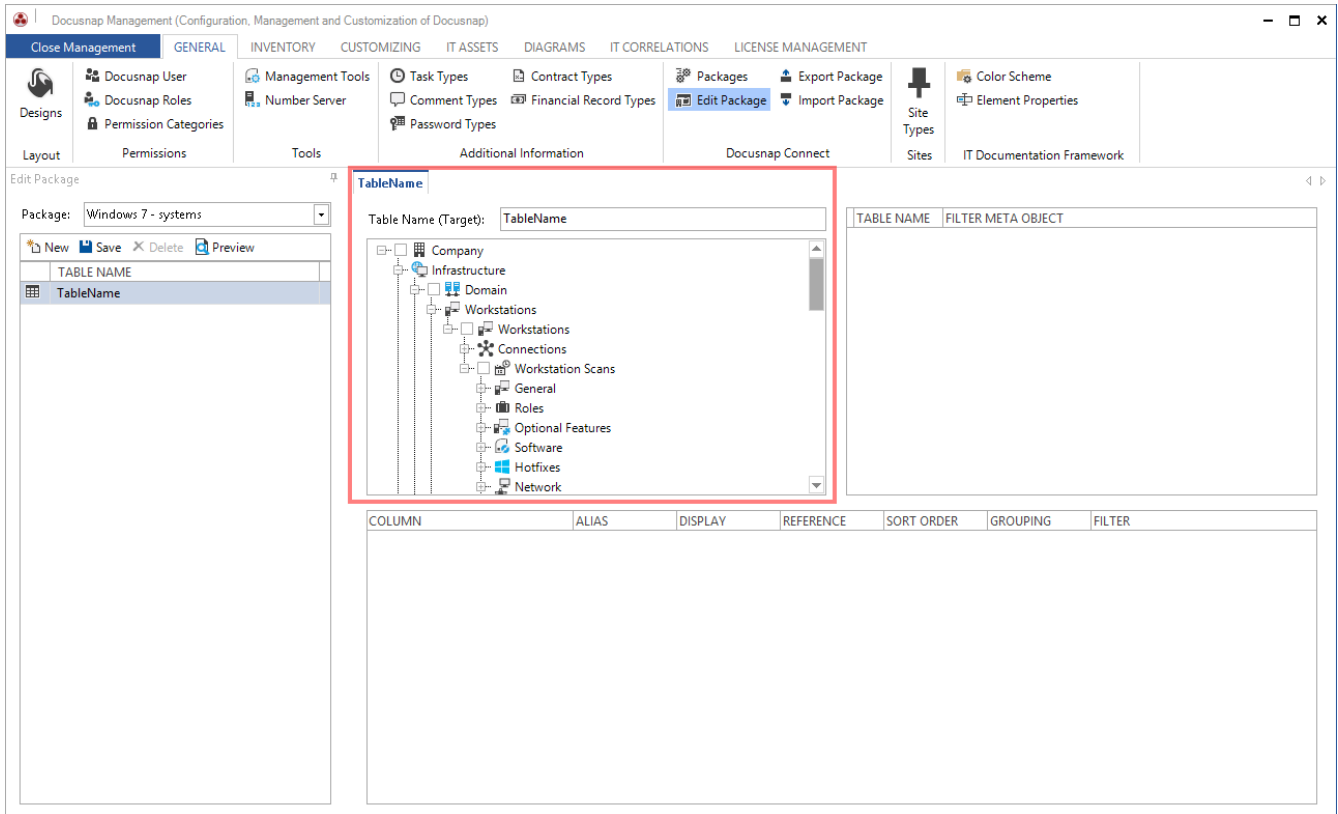


Fig. 7 – Selecting the tables

2.4.2 HOST NAMES

For this application example, the names of the workstations are required. Once you click the checkbox of a node in the tree, the corresponding table is selected.

TableName
◀ ▶

Table Name (Target):

- Company
 - Infrastructure
 - Domain
 - Workstations
 - Connections
 - Workstation Scans
 - Servers
 - Linux
 - Mac
 - SNMP Systems
 - Thin Clients
 - HP-UX

TABLE NAME	FILTER META OBJECT
tHosts	Company.Domain.Workstations

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		

Fig. 8 – Selecting the Workstations node

At the right, the name of the corresponding table (**tHosts**) is displayed. It contains the workstation data. Please note that this table also contains data on other systems such as SNMP devices or servers. Since you selected the (Windows) “Workstations” node, the data will be filtered on Windows workstations.

2.4.3 SCAN DATE

To find the scan date, select the “Workstation Scans” node.

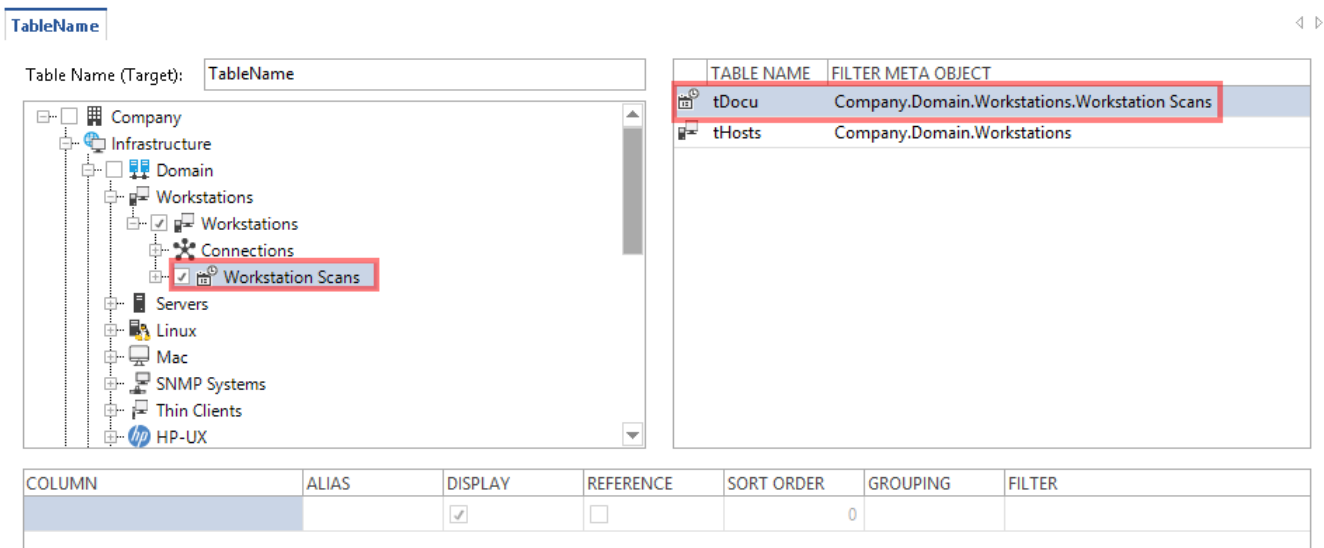


TABLE NAME	FILTER META OBJECT
tDocu	Company.Domain.Workstations.Workstation Scans
tHosts	Company.Domain.Workstations

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		

Fig. 9 – Selecting scan information

This adds the tDocu table to your list on the right.

2.4.4 OPERATING SYSTEM

Information on the operating system installed on each system can be found in the tDocuWindows table. To select this table, go to the “General” node under “Workstation Scans”.

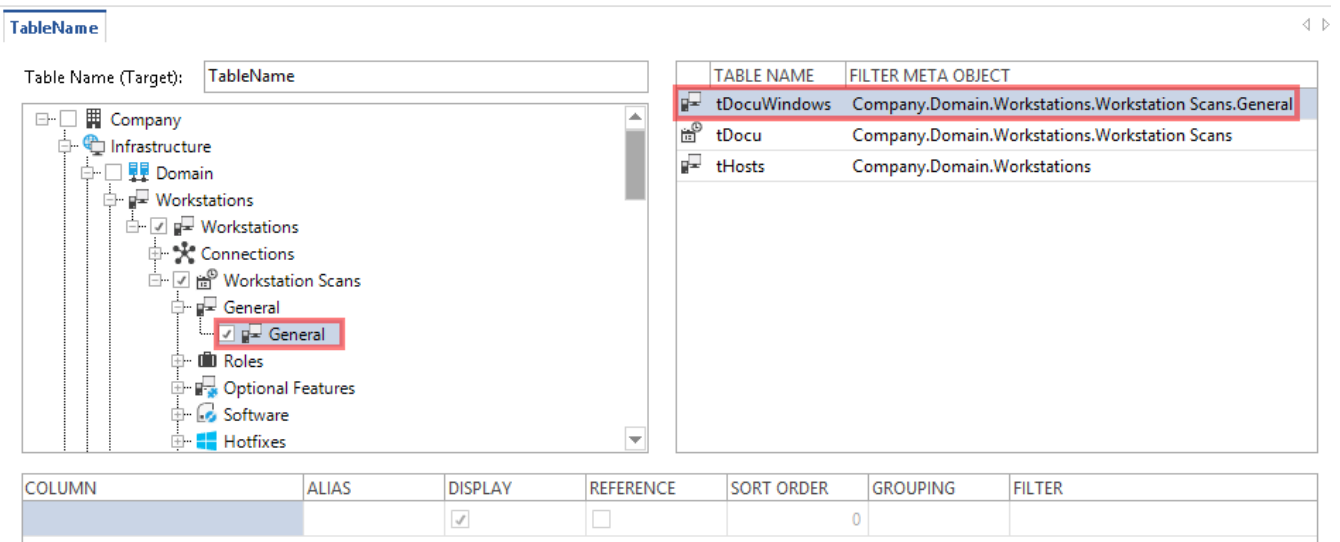


TABLE NAME	FILTER META OBJECT
tDocuWindows	Company.Domain.Workstations.Workstation Scans.General
tDocu	Company.Domain.Workstations.Workstation Scans
tHosts	Company.Domain.Workstations

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		

Fig. 10 – Selecting the “General” node

2.4.5 SELECTING DATA FIELDS

The data fields required for this application example can be selected in the field selection panel at the bottom of this screen.

Double-click the grey area under "Column" to enable the list control and select the desired field.
Repeat this step for every data field to be selected.

TableName
◀ ▶

Table Name (Target):

- Company
 - Infrastructure
 - Domain
 - Workstations
 - Workstations
 - Connections
 - Workstation Scans
 - General
 - General
 - Roles
 - Optional Features
 - Software
 - Hotfixes

TABLE NAME	FILTER META OBJECT
tDocuWindows	Company.Domain.Workstations.Workstation Scans.General
tDocu	Company.Domain.Workstations.Workstation Scans
tHosts	Company.Domain.Workstations

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		

Fig. 11 – Enabling the field selection control

When you click the list field arrow, a list with the data fields of all previously selected tables opens.

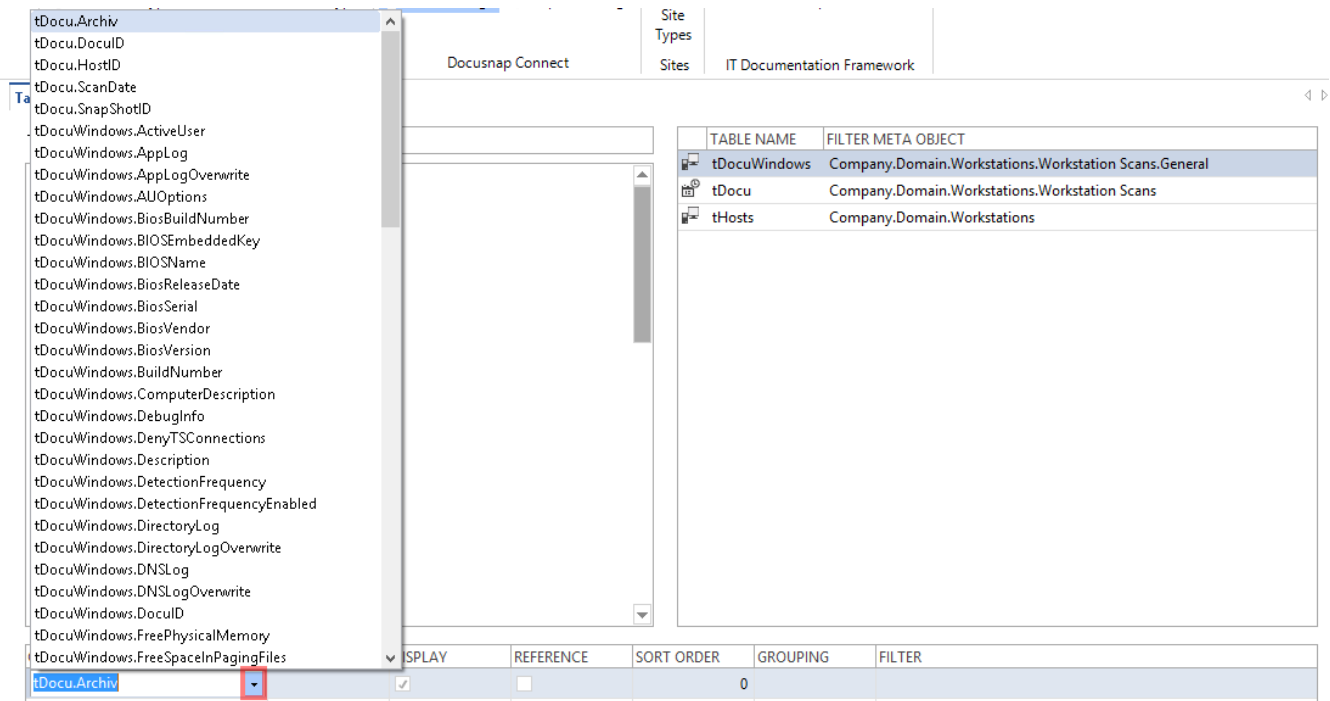


Fig. 12 – Selecting data fields

For this example, you need to select the following fields:

- tHosts.HostName
- tDocu.ScanDate
- tDocuWindows.OS

Docusnap displays descriptive field names in the "Alias" column.

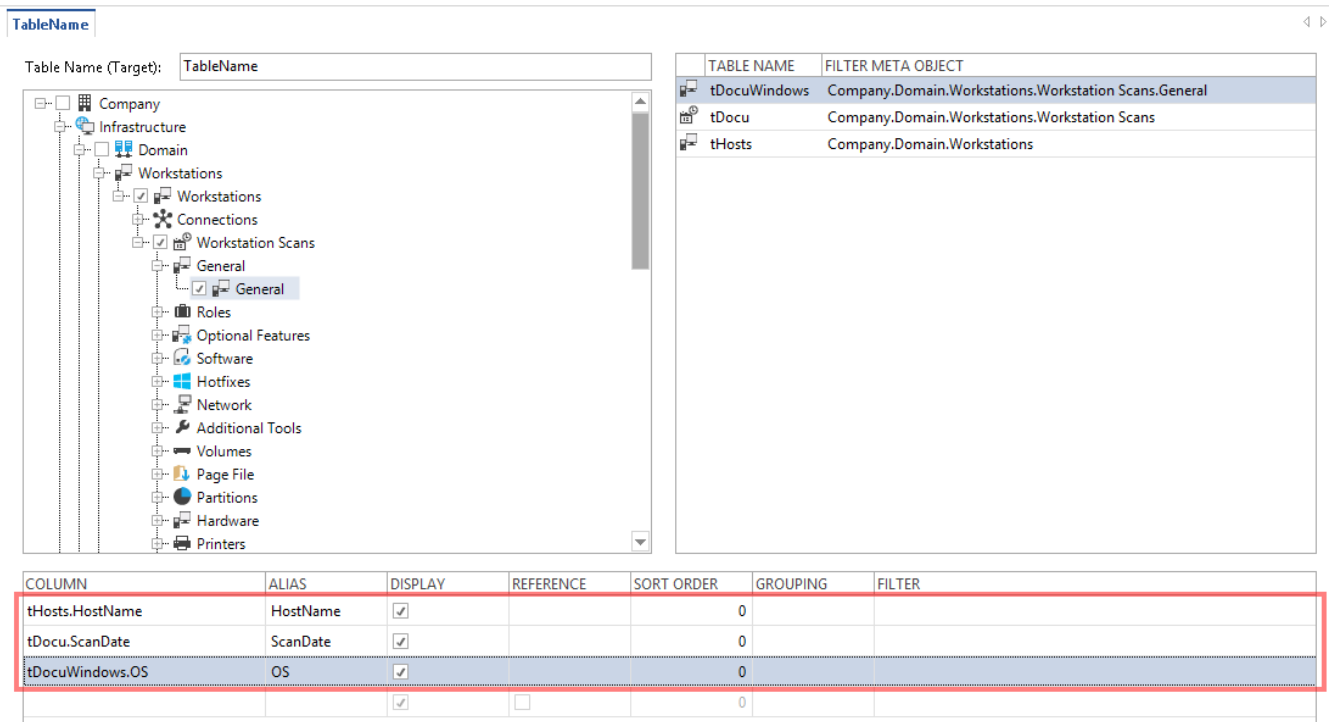


Fig. 13 – Selected data fields

2.4.6 PREVIEWING THE DATA

Click the *Preview* button to display a quick and simple preview of the records to be exported.

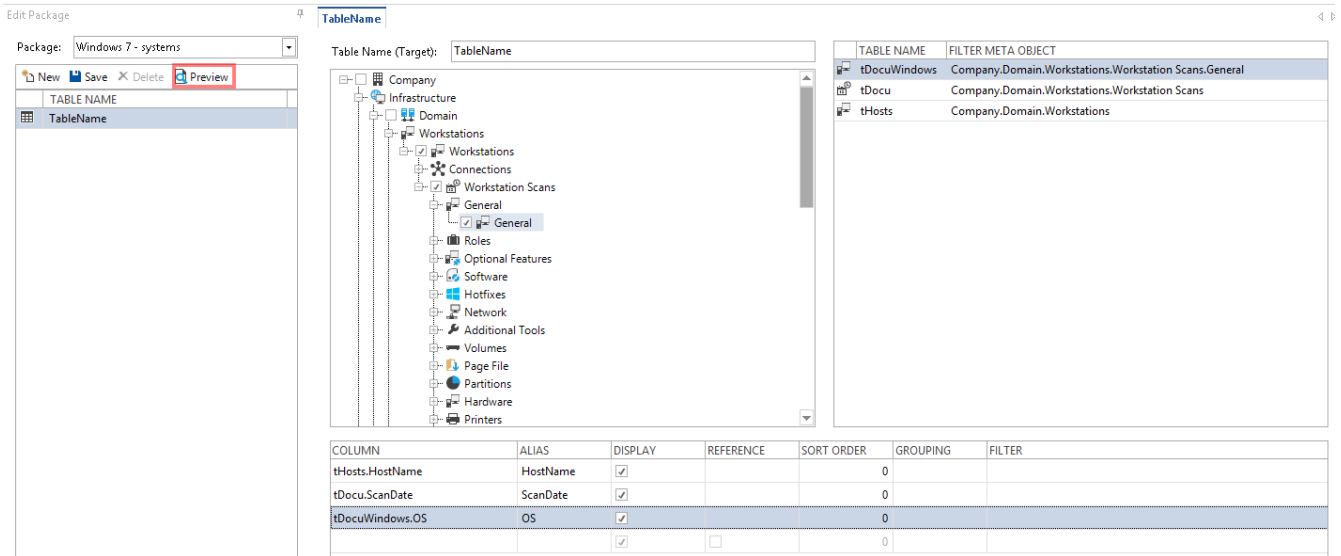


Fig. 14 – Starting the preview

By default, 10 records are shown. You can change this value in the “Limit Data Rows to” field.

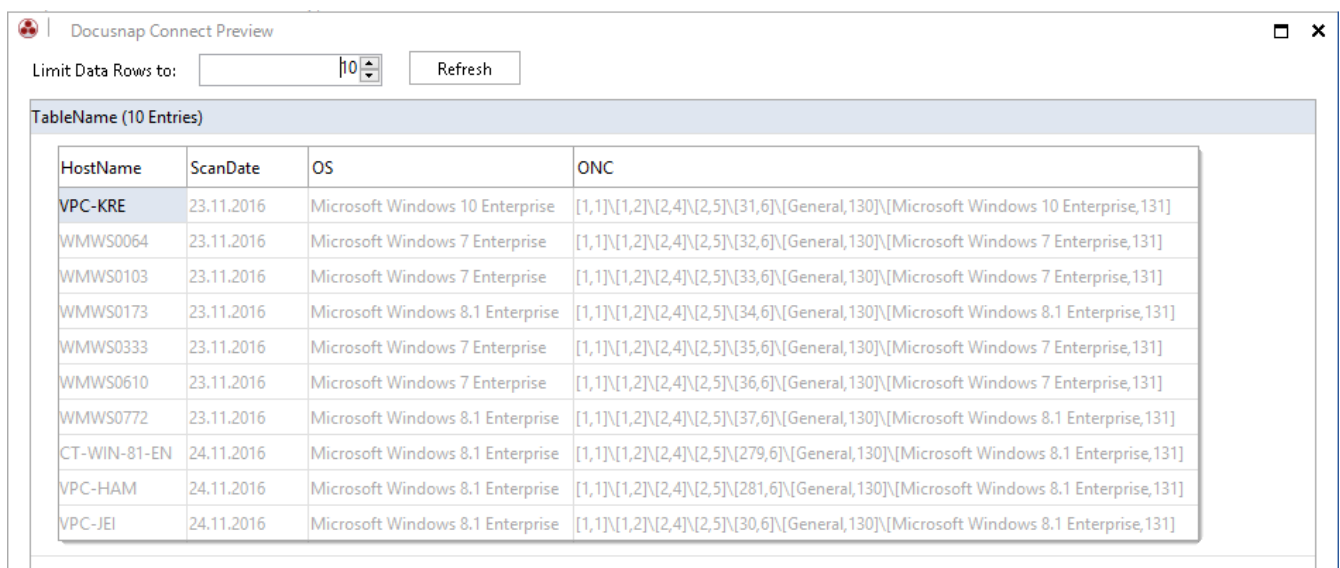


Fig. 15 – Preview

It is strongly recommended to use the preview feature before performing the actual export. This way, you can make sure that the fields you have selected are containing the required information.

In this example ten systems are displayed. As you can see, no filter has been defined yet to limit the records to a particular operating system.

The ONC column contains a unique description of the position of each meta object within the hierarchy. This information is an integral part of the export. It will be required to run the Docusnap “DocusnapLink.exe” tool.

For more details on Docusnap Link, refer to the Docusnap User Manual at <http://www.docusnap.com/en/manual/user/index.html?docusnap-link.htm>.

2.4.7 FILTERING

In our application example, we only want to export data of Windows workstations running with Windows 7 operating system. To do so, you can define a filter in the field selection panel.

Double-click the "Filter" column to define the following filter for the tDocuWindows.OS data field:

LIKE '%Windows 7%'

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
tDocuWindows.OS	OS	<input checked="" type="checkbox"/>		0		LIKE '%Windows 7%'
tDocu.ScanDate	ScanDate	<input checked="" type="checkbox"/>		0		
tHosts.HostName	HostName	<input checked="" type="checkbox"/>		0		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		

Fig. 16 – Filter for Windows 7

Use MS SQL standard expressions to define your filters.

For more details, see: <https://msdn.microsoft.com/en-us/library/ms179859.aspx>.

2.4.8 OTHER FEATURES

The other features of the field selection panel are covered in the ADVANCED TOPICS section.

2.5 SCHEDULING A PACKAGE

2.5.1 GENERAL

Using the package scheduling feature, you can export the previously selected data to a SQL database or to a file. This can be done interactively or by using a schedule.

The following output formats are available:

- Microsoft SQL Server
- MySQL Server
- XML (plain or XML dataset)
- CSV
- Microsoft Excel

2.5.2 WIZARD

Unlike the package definition, the wizard for scheduling packages is not located in the Management module.

To open the wizard, go to the "Inventory" module and click the SCHEDULING tab.

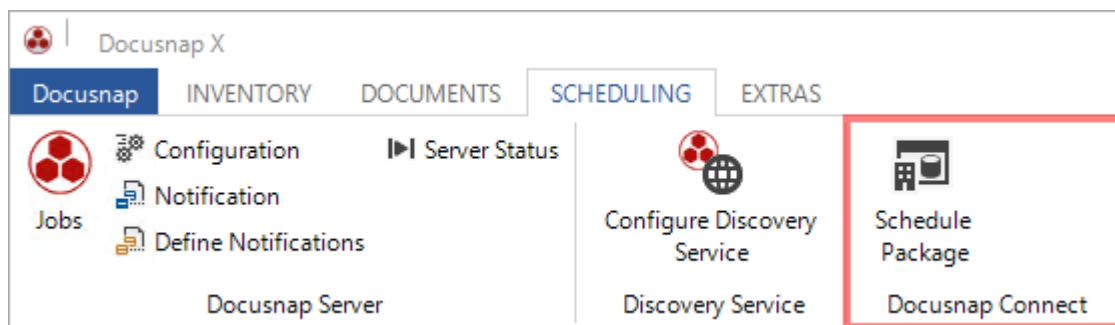


Fig. 17 – Package scheduling wizard

2.5.3 SELECTING THE CONFIGURATION

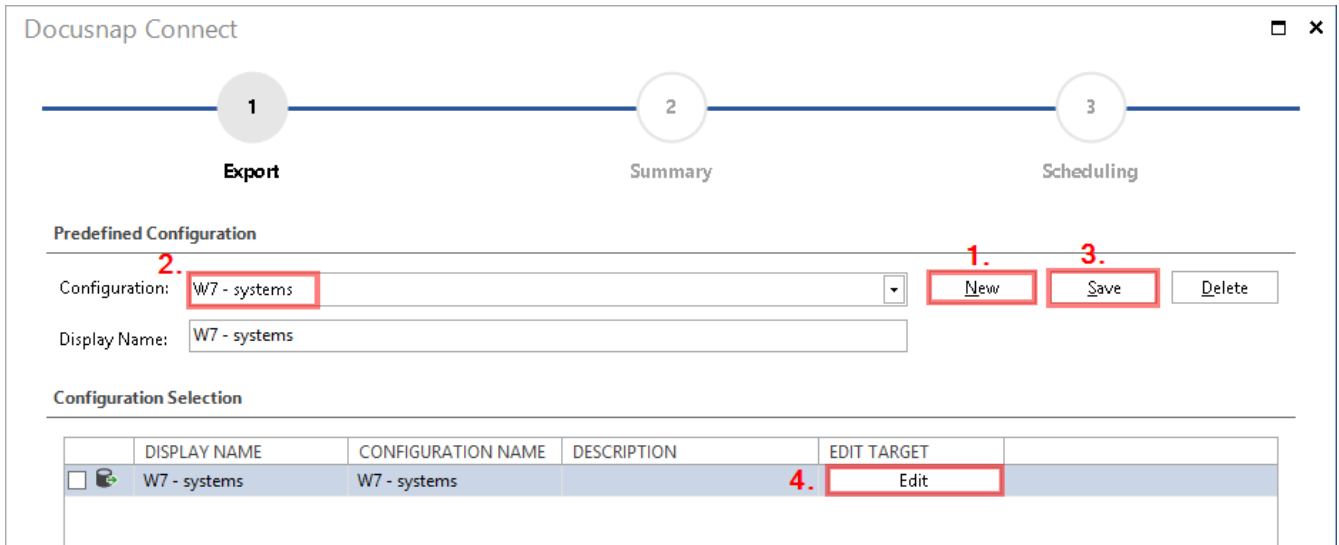
First, select the previously created package definition for the export.

Step 1: Click "New".

Step 2: Click the arrow in the "Configuration" field and select the desired package.

Step 3: Confirm your selection by clicking "Save".

Step 4: Now, click "Edit" to define the output format.



Docusnap Connect

1 **Export** 2 **Summary** 3 **Scheduling**

Predefined Configuration

Configuration:

Display Name:

Configuration Selection

	DISPLAY NAME	CONFIGURATION NAME	DESCRIPTION	EDIT TARGET
<input checked="" type="checkbox"/>	W7 - systems	W7 - systems		<input type="button" value="Edit"/>

Fig. 18 – Selecting the export configuration

2.5.4 SPECIFYING THE OUTPUT FORMAT

In this dialog, you can select the desired output format. The next dialog depends on the selection made here.

If you choose to export the data to another database, you need to specify the required credentials and can, e.g., specify whether the target table contents should be deleted before adding the current export data to it. If you choose to export to a file, you need to specify the name of the output Excel file and its path.

For a description of the available output formats, please refer to the Docusnap User Manual at <http://www.docusnap.com/en/manual/user/index.html?docusnap-connect-schedule-package.htm>.

Enable the “Create Archive Folder” checkbox to automatically create a backup of a file of the same name in a subfolder.

Click “Close” to close this window.

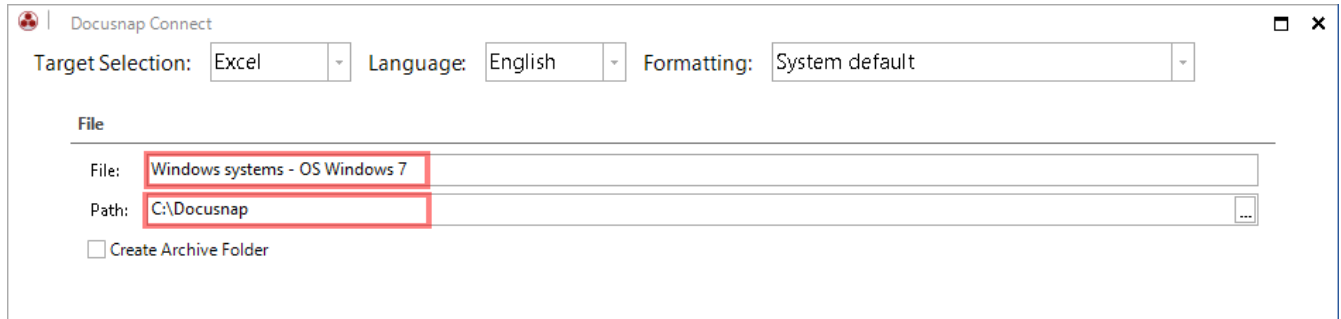


Fig. 19 – Output to an Excel file

Now, the checkbox in the Configuration Selection panel is enabled and you can click the “Next” button.

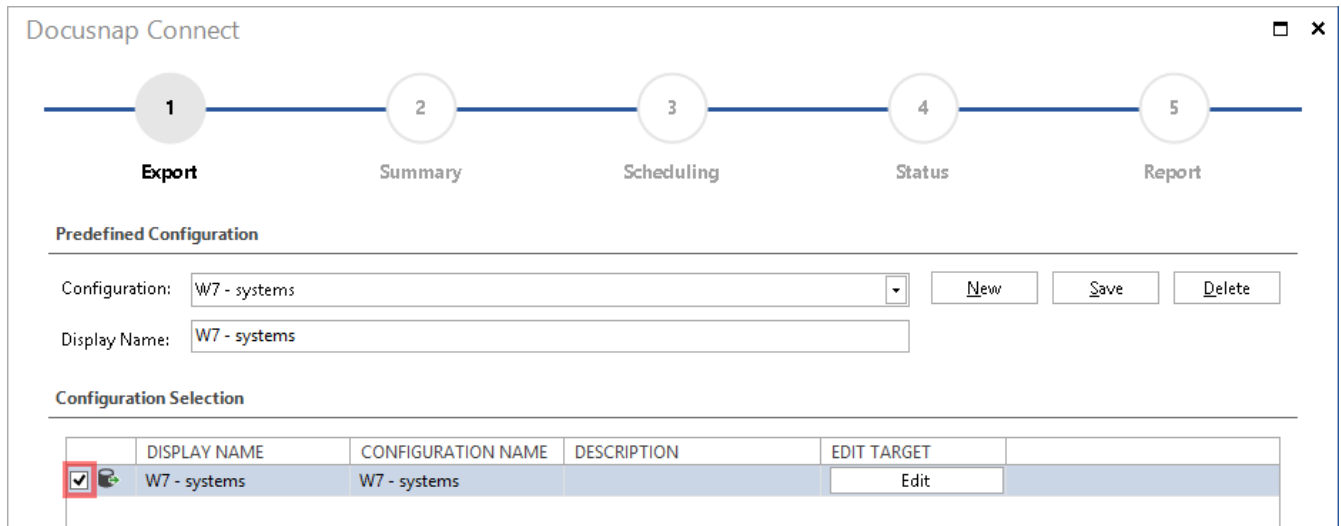


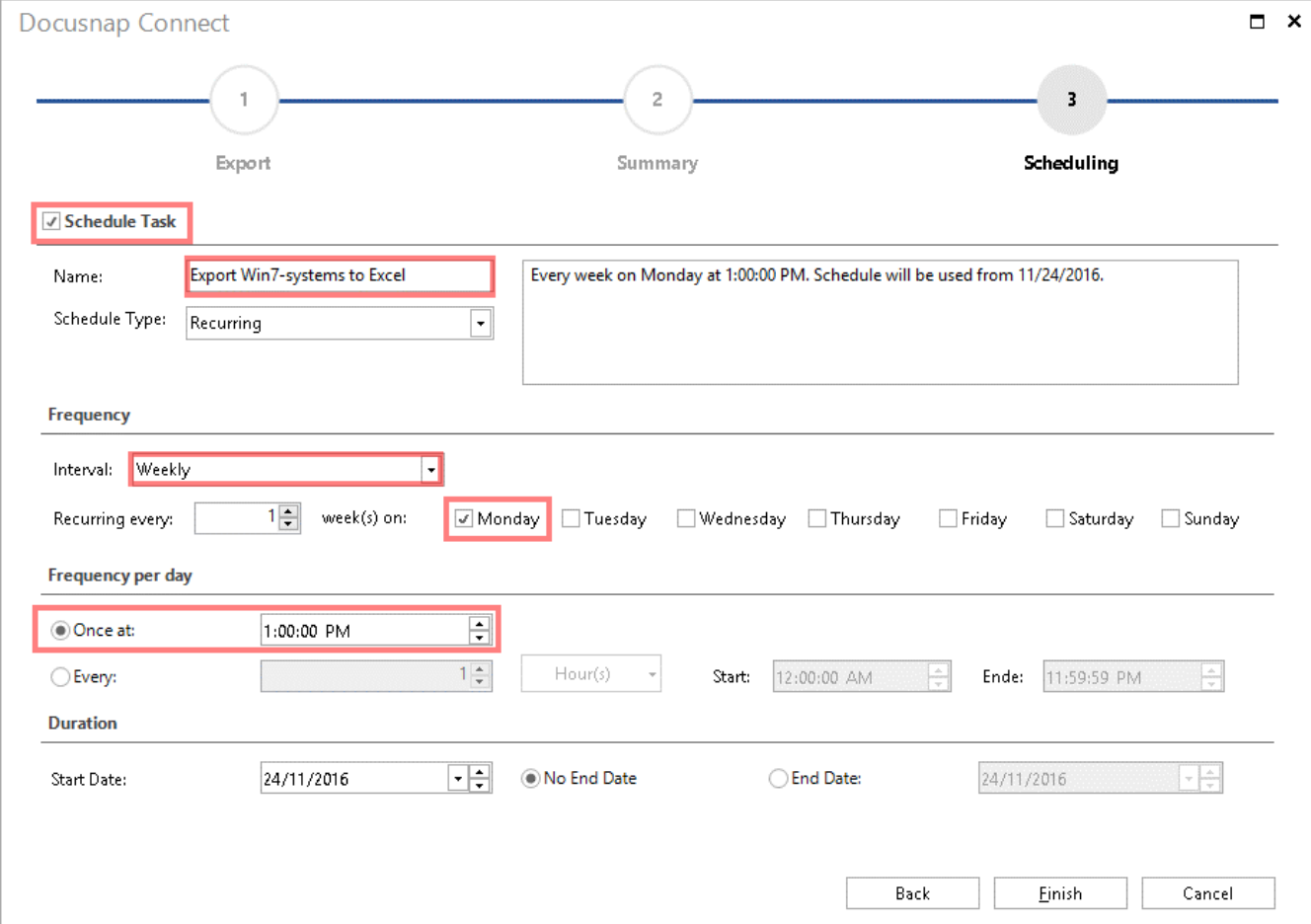
Fig. 20 – Selected configuration enabled

2.5.5 SCHEDULING

Next, a summary of the selected settings is displayed and you can click “Next” to open the “Scheduling” window.

However, this is only possible if Docusnap Server has been configured before. Please refer to the User Manual under <http://www.docusnap.com/en/manual/user/index.html?docusnap-server.htm>.

In our application example, the data of all Windows 7 systems should be exported to an Excel file every Monday at 1:00:00 PM.



Docusnap Connect

1 Export 2 Summary 3 Scheduling

Schedule Task

Name: **Export Win7-systems to Excel** Every week on Monday at 1:00:00 PM. Schedule will be used from 11/24/2016.

Schedule Type: Recurring

Frequency

Interval: Weekly

Recurring every: 1 week(s) on: Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Frequency per day

Once at: 1:00:00 PM

Every: 1 Hour(s) Start: 12:00:00 AM Ende: 11:59:59 PM

Duration

Start Date: 24/11/2016 No End Date End Date: 24/11/2016

Back Finish Cancel

Fig. 21 – Scheduling the export

If no scheduling is used, the data will be exported directly when you select *Finish*.

2.5.6 RESULT

The result is a flat Excel table with AutoFilters.

The filter used in this application example for field data selection (LIKE ' %Windows 7% ') ensures that only data related to Windows 7 operating systems will be included in the output.

	A	B	C	D
1	HostName	ScanDate	OS	ONC
2	WMWS0064	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][21,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
3	WMWS0032	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][22,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
4	WMWS0123	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][23,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
5	WMWS0333	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][25,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
6	WMWS0700	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][27,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
7	WMWS0701	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][28,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
8	WMWS0703	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][30,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
9	WMWS0704	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][31,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
10	WMWS0705	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][32,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
11	WMWS0706	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][33,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
12	WMWS0707	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][34,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
13	WMWS0709	30.09.2014 09:57:58	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][36,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
14	WKNE0003	29.10.2014 13:36:23	Microsoft Windows 7 Enterprise	[1,1][1,2][2,4][2,5][359,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
15	BNT0001	30.09.2014 10:33:21	Microsoft Windows 7 Enterprise	[3,1][3,2][6,4][6,5][80,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
16	DS-MONITOR	30.09.2014 10:33:21	Microsoft Windows 7 Ultimate	[3,1][3,2][6,4][6,5][83,6][Allgemein,130][Microsoft Windows 7 Ultimate,131]
17	NKNC1003	30.09.2014 10:33:21	Microsoft Windows 7 Enterprise	[3,1][3,2][6,4][6,5][87,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
18	SVOICE01	30.09.2014 10:33:21	Microsoft Windows 7 Enterprise	[3,1][3,2][6,4][6,5][166,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
19	WKNE0003	10.10.2014 12:07:47	Microsoft Windows 7 Enterprise	[3,1][3,2][6,4][6,5][191,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
20	WKNE0011	30.09.2014 10:33:21	Microsoft Windows 7 Enterprise	[3,1][3,2][6,4][6,5][199,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
21	WKNT1005	30.09.2014 10:33:21	Microsoft Windows 7 Enterprise	[3,1][3,2][6,4][6,5][243,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
22	WKNVV001	30.09.2014 10:33:21	Microsoft Windows 7 Enterprise	[3,1][3,2][6,4][6,5][261,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
23	WKNE0003	12.11.2014 09:22:31	Microsoft Windows 7 Enterprise	[3,1][3,2][8,4][8,5][360,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
24	WMWS0123	31.12.2014 10:59:40	Microsoft Windows 7 Enterprise	[3,1][3,2][8,4][8,5][568,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]
25	WMWS0700	31.12.2014 10:59:40	Microsoft Windows 7 Enterprise	[3,1][3,2][8,4][8,5][569,6][Allgemein,130][Microsoft Windows 7 Enterprise,131]

Fig. 22 – Export result in Excel

2.6 ADVANCED TOPICS

2.6.1 OTHER FIELD SELECTION FEATURES

In addition to the filter functionality already used in this application example, there are other useful field selection features that will be outlined below.

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
tDocu.ScanDate	ScanDate	<input checked="" type="checkbox"/>			5	
tHosts.HostName	HostName	<input checked="" type="checkbox"/>			1	
tDocuWindows.OS	OS	<input checked="" type="checkbox"/>			2	LIKE '%Windows 7%'
tDocuWindows.HostLanguage	HostLanguage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		4	
vRAM.Capacity	Capacity	<input checked="" type="checkbox"/>			3	
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		0	

Fig. 23 – Other field selection features

Alias Specifies the name of the field for output. The name can be changed, if required. When exporting to an Excel table, this is the entry in the header row.

Display Here, you can specify whether the field itself will be included in the export. It is possible to use the fields only for filtering and not for export.

Reference By enabling this checkbox, you can specify that values stored as reference values in the database are resolved for export and output accordingly.

- Example: "Reference" field disabled for tDocuWindows.HostLanguage
 - Output in the export file = 1031
- Example: "Reference" field enabled for tDocuWindows.HostLanguage
 - Output in the export file = German

For more details on reference values, please refer to the Configuration Manual at <http://www.docusnap.com/en/manual/configuration/index.html?docusnap-database-structures-reference-values.htm>

Sort Order By entering a numeric value in this field, you can specify in which order the selected records will appear in the export. By default, this value is "0", i.e. the fields will be exported in the order in which they are displayed in the Field selection panel.

Grouping This field will be explained in an additional example in the section below.

2.6.2 GROUPING

For the previous application example, a package was configured that includes data of all Windows 7 workstations with the date of the last successful inventory scan. As an additional data field, the RAM capacity of each system should be output.

The additional vRAM table with the “Capacity” data field can be added via the “Hardware” node.

TableName
◀ ▶

Table Name (Target):

- Hotfixes
- Network
- Additional Tools
- Volumes
- Page File
- Partitions
- Hardware
 - CD ROM
 - Monitor
 - Network Cards
 - Processor
 - RAM
 - RAM
 - SCSI Controller

TABLE NAME	FILTER META OBJECT
vRAM	Company.Domain.Workstations.Workstation Scans.RAM
tDocuWindows	Company.Domain.Workstations.Workstation Scans.General
tDocu	Company.Domain.Workstations.Workstation Scans
tHosts	Company.Domain.Workstations

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
tHosts.HostName	HostName	<input checked="" type="checkbox"/>			1	
tDocu.ScanDate	ScanDate	<input checked="" type="checkbox"/>			2	
tDocuWindows.OS	OS	<input checked="" type="checkbox"/>			3	LIKE '%Windows 7%'
vRAM.Capacity	Capacity	<input checked="" type="checkbox"/>			4	
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		0	

Fig. 24 – Adding the RAM “Capacity” field

However, the preview reveals that some systems appear multiple times in the list. The reason is that the system has multiple RAM modules that are listed separately here.

Limit Data Rows to: Refresh

TableName (10 Entries)

HostName	ScanDate	OS	Capacity	ONC
WMWS0064	23/11/2016	Microsoft Windows 7 Enterprise	1073741824	[1,1]\[1,2]\[2,4]\[2,5]\[32,6]
WMWS0333	24/11/2016	Microsoft Windows 7 Enterprise	2147483648	[1,1]\[1,2]\[2,4]\[2,5]\[35,6]
WMWS0333	24/11/2016	Microsoft Windows 7 Enterprise	1073741824	[1,1]\[1,2]\[2,4]\[2,5]\[35,6]
WMWS0610	24/11/2016	Microsoft Windows 7 Enterprise	2147483648	[1,1]\[1,2]\[2,4]\[2,5]\[36,6]
WMWS0610	24/11/2016	Microsoft Windows 7 Enterprise	268435456	[1,1]\[1,2]\[2,4]\[2,5]\[36,6]
WMWS0610	24/11/2016	Microsoft Windows 7 Enterprise	134217728	[1,1]\[1,2]\[2,4]\[2,5]\[36,6]
WMWS0610	24/11/2016	Microsoft Windows 7 Enterprise	16777216	[1,1]\[1,2]\[2,4]\[2,5]\[36,6]
WMWS0610	24/11/2016	Microsoft Windows 7 Enterprise	8388608	[1,1]\[1,2]\[2,4]\[2,5]\[36,6]
WMWS0610	24/11/2016	Microsoft Windows 7 Enterprise	4194304	[1,1]\[1,2]\[2,4]\[2,5]\[36,6]
WMWS0103	24/11/2016	Microsoft Windows 7 Enterprise	2147483648	[1,1]\[1,2]\[2,4]\[2,5]\[33,6]

Fig. 25 – Preview with RAM “Capacity” field

In order to determine the total of installed RAM modules, you can use the grouping feature.

2.6.3 GROUPING: GROUPS AND TOTALS

Grouping should now be done by host. In addition, you want DocuSnap to calculate the total RAM and display it as the total capacity of the system.

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
tDocu.ScanDate	ScanDate	<input checked="" type="checkbox"/>			2	
vRAM.Capacity	Total RAM Capacity	<input checked="" type="checkbox"/>			4 Sum	
tDocu.Windows.OS	OS	<input checked="" type="checkbox"/>			3	LIKE '%Windows 7%'
tDocu.ScanDate	ScanDate	<input checked="" type="checkbox"/>			2	
tHosts.HostName	HostName	<input checked="" type="checkbox"/>			1 Group	
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		0	

Fig. 26 – Grouping field selections

Make sure to assign a meaningful name to the field for which the total will be calculated (in the *Alias* column) so that it is clear, in the export data, that it refers to a total here.

Now, every system appears just once, with its total RAM capacity.

DocuSnap Connect Preview □ ×

Limit Data Rows to: Refresh

TableName (4 Entries)

HostName	ScanDate	OS	Total RAM Capacity	ONC
WMWS0064	23/11/2016	Microsoft Windows 7 Enterprise	1073741824	[1,1][1,2][2,4][2,5][32,6]
WMWS0333	24/11/2016	Microsoft Windows 7 Enterprise	3221225472	[1,1][1,2][2,4][2,5][35,6]
WMWS0610	24/11/2016	Microsoft Windows 7 Enterprise	2579496960	[1,1][1,2][2,4][2,5][36,6]
WMWS0103	24/11/2016	Microsoft Windows 7 Enterprise	2147483648	[1,1][1,2][2,4][2,5][33,6]

Fig. 27 – Preview with total RAM capacity

2.6.4 IMPORTING / EXPORTING PACKAGES

The package definitions created in Docusnap are not restricted to the database in use. With the “Export Package” feature, you can export a definition, and then use the “Import Package” feature in another Docusnap database to import it there. The package file type has the DCP file extension.

These features can be accessed from the *General* ribbon of the Docusnap Management module (see section LAUNCHING THE PACKAGE CONFIGURATION).

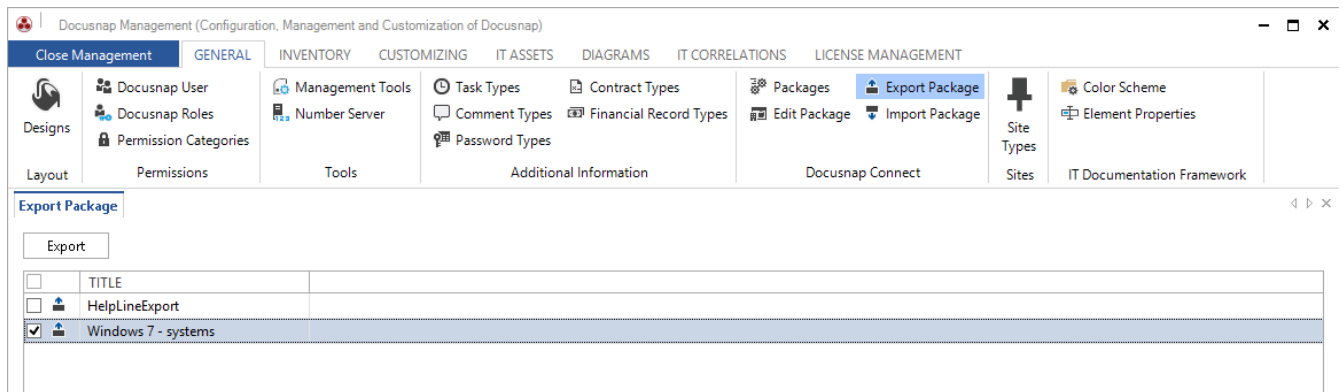


Fig. 28 – Exporting a package

3. DATA IMPORT (CSV)

3.1 APPLICATION EXAMPLE

A CSV import allows you to import data from existing files (.csv and .txt formats) to the Docusnap database. This example describes how to import data that add a description to the workstations in Docusnap.

The following list with workstation descriptions should now be imported, updating the existing workstation entries.

	A	B	C	D	E
1	Name	Domain	Type	Description	
2	WMWS0032	2	Workstation	PC Accounting	
3	WMWS0064	2	Workstation	PC Accounting	
4	WMWS0113	2	Workstation	PC Finance	
5	WMWS0123	2	Workstation	PC Finance	
6	WMWS0173	2	Workstation	PC HR	
7	WMWS0333	2	Workstation	PC Engine control	
8	WMWS0610	2	Workstation	PC IT	
9	WMWS0700	2	Workstation	PC IT	
10	WMWS0701	2	Workstation	PC Laboratoy	
11	WMWS0703	2	Workstation	PC Testsystem	
12	WMWS0704	2	Workstation	PC Reception	
13	WMWS0705	2	Workstation	PC Printing	
14	WMWS0707	2	Workstation	PC Administration	
15					

Fig. 29 – Import data

For Docusnap, this means that the data will be imported to the **tHosts** SQL table. Some required fields must be filled to import to this table.

These are:

Name Name of the host in Docusnap.

Domain Here, you must specify the domain ID assigned by Docusnap and not the real name.

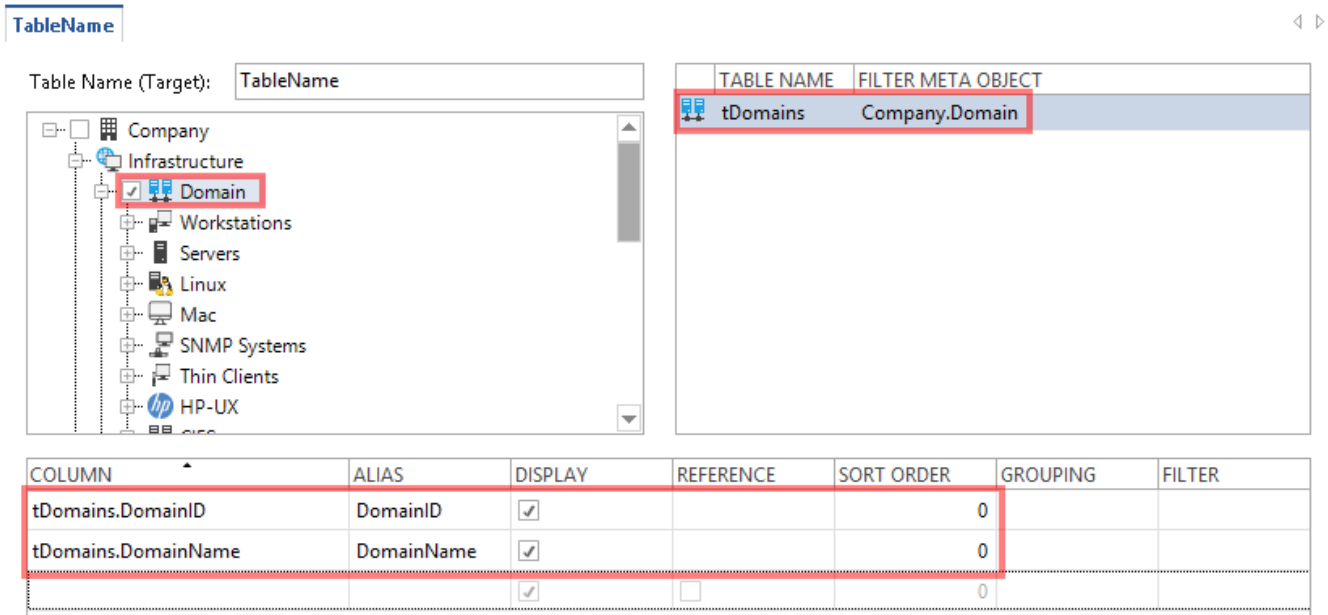
Type e.g. Workstation, Server, DC.

3.2 DETERMINING THE DOMAIN ID

To determine the domain IDs of all workstations, define a package named DomainID in DocuSnap Connect.

To create the package, proceed as described in the DEFINING A PACKAGE section.

For this package, select the **Domain** object node and the **tDomains.DomainID** and **tDomains.DomainName** fields.



The screenshot shows the configuration interface for a package named "Table Name". On the left, a tree view shows the "Domain" object node selected. On the right, a table lists the selected fields:

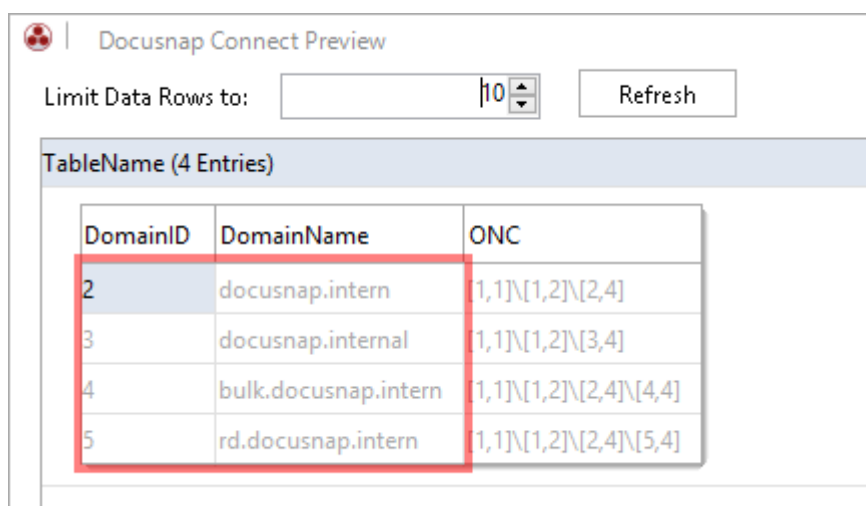
TABLE NAME	FILTER META OBJECT
tDomains	Company.Domain

Below this, a table defines the columns for the package:

COLUMN	ALIAS	DISPLAY	REFERENCE	SORT ORDER	GROUPING	FILTER
tDomains.DomainID	DomainID	<input checked="" type="checkbox"/>		0		
tDomains.DomainName	DomainName	<input checked="" type="checkbox"/>		0		
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	0		

Fig. 30 – Field selection

The preview shows the domains available in DocuSnap and the associated domain IDs.



The screenshot shows the "DocuSnap Connect Preview" window. It includes a "Limit Data Rows to:" field set to 10 and a "Refresh" button. Below, a table titled "Table Name (4 Entries)" displays the following data:

DomainID	DomainName	ONC
2	docuSnap.intern	[1,1][1,2][2,4]
3	docuSnap.internal	[1,1][1,2][3,4]
4	bulk.docuSnap.intern	[1,1][1,2][2,4][4,4]
5	rd.docuSnap.intern	[1,1][1,2][2,4][5,4]

Fig. 31 – Preview with domain IDs

In our example, domain ID 2 has been assigned to the domain named *docuSnap.intern*. This is the ID we need in our CSV file.

First, open the *Data Import* dialog. There, you must specify the target for our import data. The following options can be selected: *Table*, *IT Assets*, *Extensions*.

For our example, click *Table* and then select the *Hosts* table.

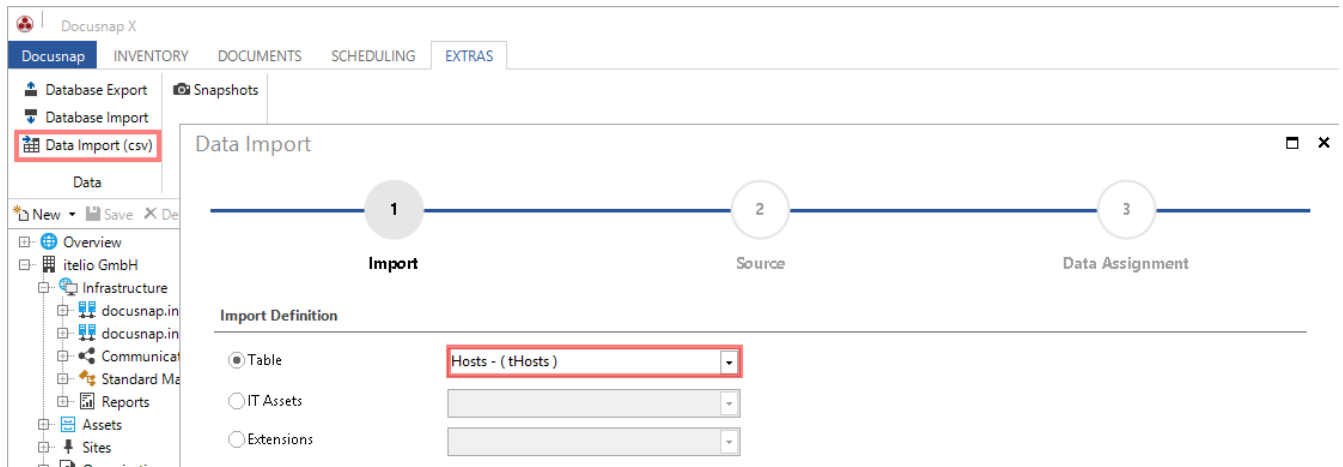


Fig. 32 – Import target selection

On the *Source* screen, select the CSV file that contains the data to be imported. Since the first row of this file describes the kind of information the column contains, enable the *First Row as Header* checkbox.

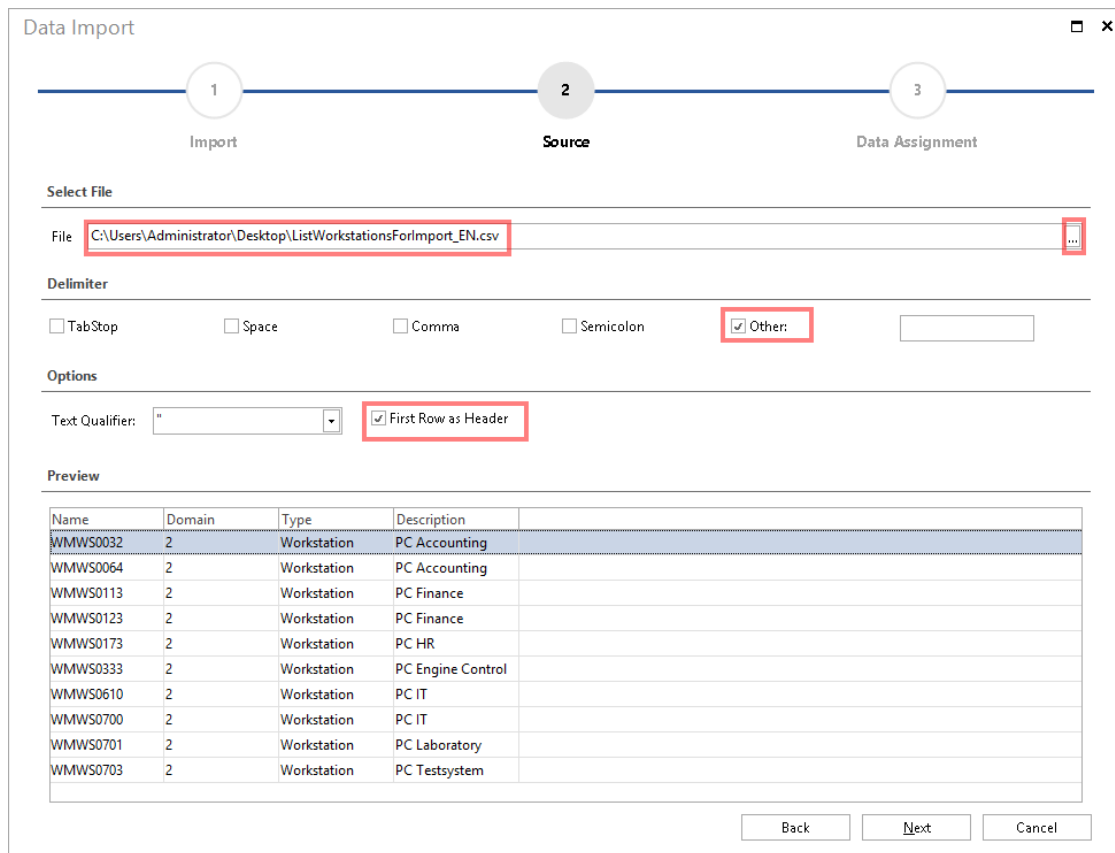


Fig. 33 – Selecting the source

3.3 DATA ASSIGNMENT

On the *Data Assignment* screen, assign the CSV values to corresponding fields in the database.

To do so, highlight a value in the “CSV Values” column and the corresponding value in the “Target Settings” column and click *Assign*. For fields that show a yellow triangle with an exclamation mark, the assignment is mandatory, for the other fields, it is optional.

If you want to update objects that already exist in Docusnap, enable the *Import as Update* checkbox.

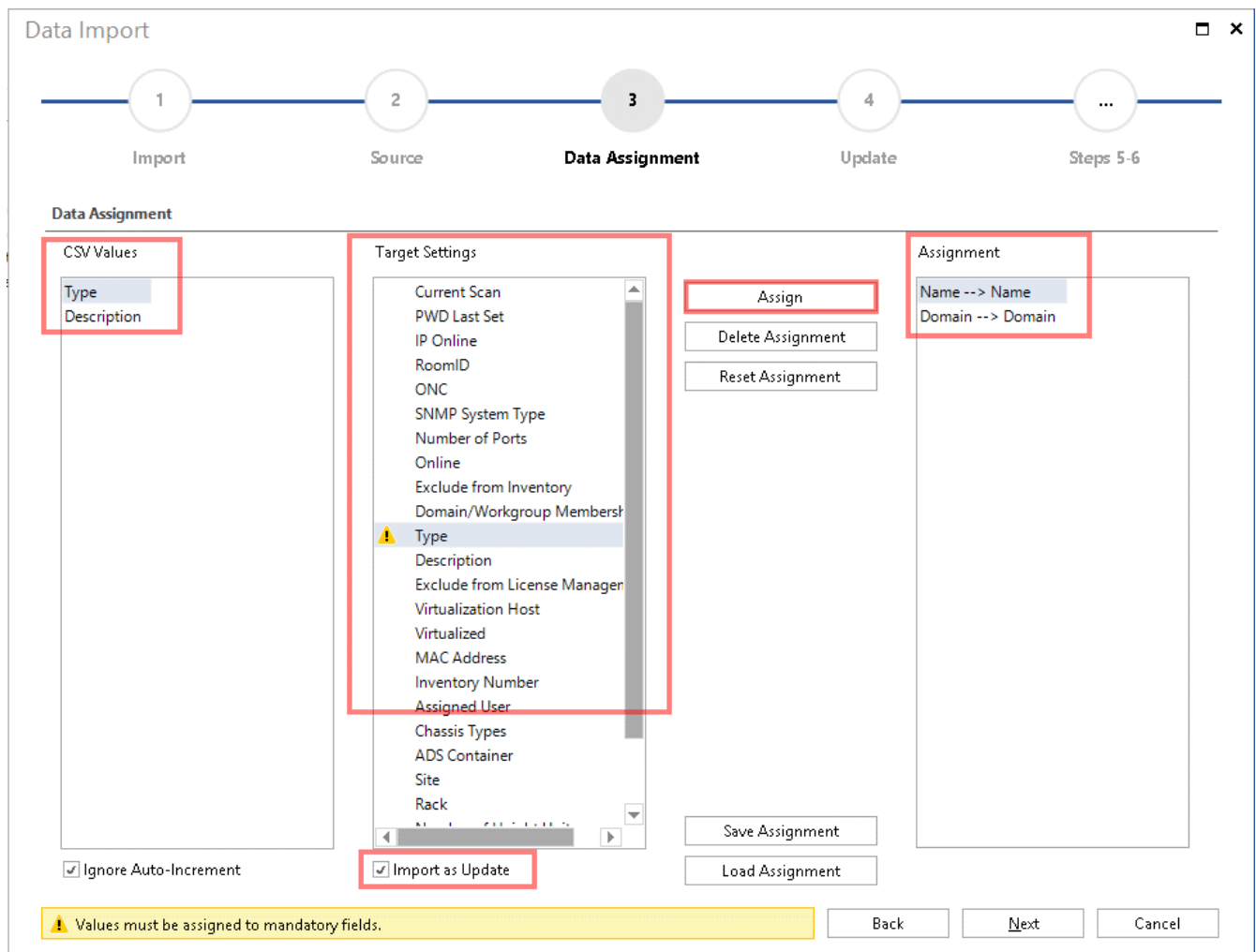


Fig. 34 – Data assignment

Since you intend to update existing objects in Docusnap, click *Update Existing Records* and select the "Name" field under "Specify Compare Fields" in the "Update" screen.

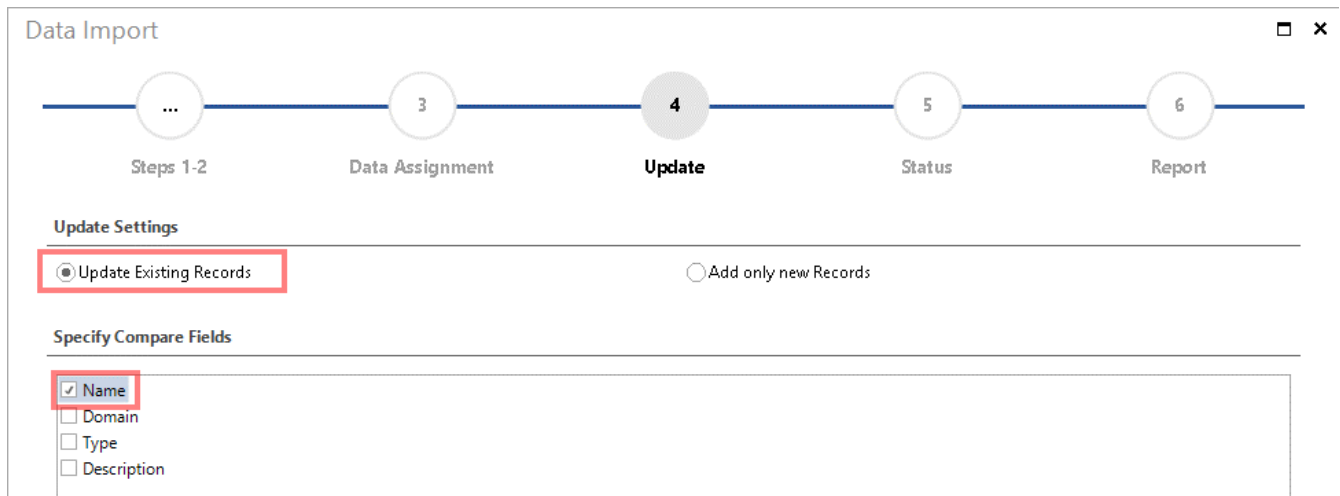


Fig. 35 – Update settings

In the next step, the values from the CSV file will be imported to the corresponding fields of the database. The *Report* screen summarises the status of the data import.

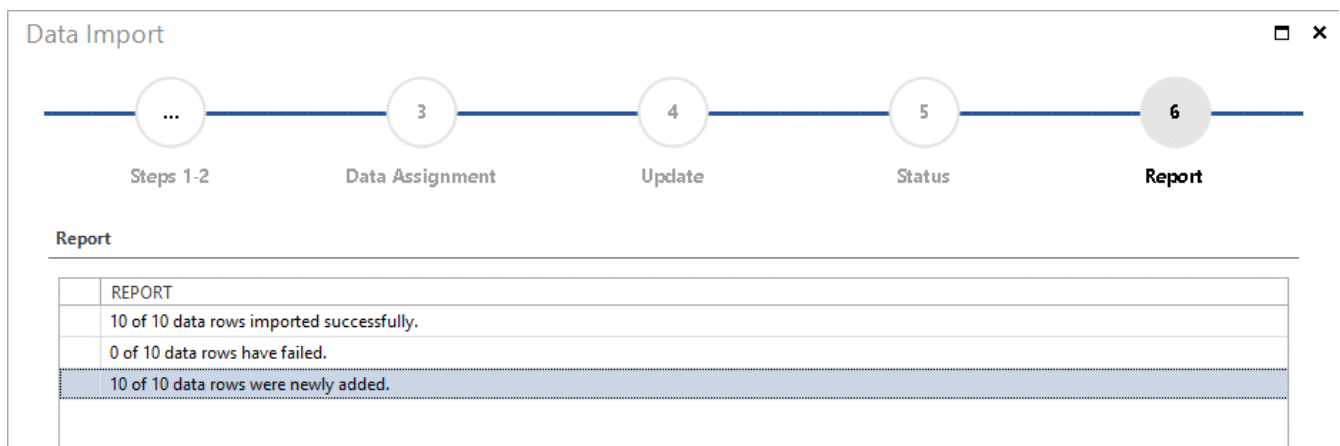
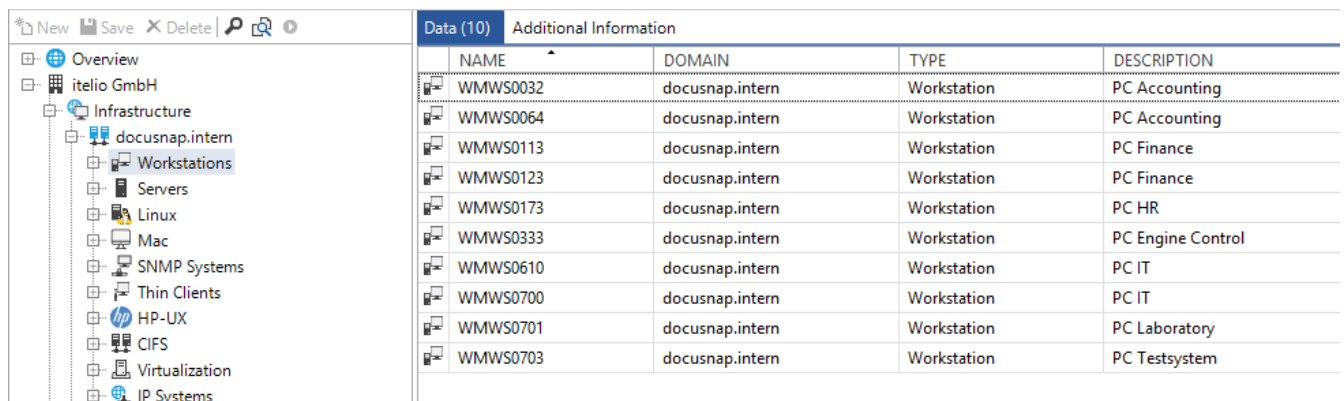


Fig. 36 – Report

3.4 RESULT

The additional workstation data imported from the CSV file is now stored in the Docusnap database.



Data (10)		Additional Information	
NAME	DOMAIN	TYPE	DESCRIPTION
WMWS0032	docusnap.intern	Workstation	PC Accounting
WMWS0064	docusnap.intern	Workstation	PC Accounting
WMWS0113	docusnap.intern	Workstation	PC Finance
WMWS0123	docusnap.intern	Workstation	PC Finance
WMWS0173	docusnap.intern	Workstation	PC HR
WMWS0333	docusnap.intern	Workstation	PC Engine Control
WMWS0610	docusnap.intern	Workstation	PC IT
WMWS0700	docusnap.intern	Workstation	PC IT
WMWS0701	docusnap.intern	Workstation	PC Laboratory
WMWS0703	docusnap.intern	Workstation	PC Testsystem

Fig. 37 – Import result

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