

Physical Infrastructure

Documentation of physical infrastructures



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1. Overview and Intended Use

The feature Physical Infrastructure covers the documentation of your physical IT infrastructure.

This begins with the visualization of sites, buildings, and rooms. Subsequently, devices, racks, switches, and all other IT relevant systems can be assigned. The cabling of the systems can also be included.

Various maps and reports are available for evaluation.



2. Introduction to the Infrastructure Editor

2.1 Definitions

The following terms are used regularly in this manual.

Physical Infrastructure

In Docusnap the following elements are combined under the physical infrastructure:

- Sites (cities, buildings, floors, rooms, etc.)
- Racks, Patch Panels and Network Sockets
- Cabling

Infrastructure Editor

The Infrastructure Editor provides the interface to create and manage the elements associated with the physical infrastructure.

Sites

Sites are used in Docusnap to represent the structure of a company. At least one site is required to map the physical infrastructure.

Racks

Racks can be used to document the physical structure of a rack in Docusnap.

Site Elements

Site elements in Docusnap are all elements that can be assigned to a site, e.g. network sockets, air conditioners, etc.

Rack Elements

A rack element is built into a rack. Examples of a rack element are servers, switches or patch panels.

Shapes

A shape is the image of a physical element (e.g. server, switch, network socket) and serves to graphically represent the element in the rack. Furthermore, the detected plugs are used for the documentation of the cabling.

Shape Editor

Integrated editor in Docusnap, that helps to extend the existing Shape collection by own Shapes.



2.2 The Infrastructure Editor

The Infrastructure Editor is the user interface for mapping the physical infrastructure in Docusnap. All tasks dealing with this topic can be done in the editor.

The editor can be used to map site structures, create racks, and fill them with elements.

Furthermore, the cabling of the physical components can be carried out and new shapes can be added.

🔂 Docusnaj	p 11						Q 🕸 🎇 - ?	
6	Physical	Infrastructure					0 ⊗ 🕅 · ? · − Docusnap Sports - ⊗ - −	
Discovery	0	Sites						
Inventory	Sites	+ 🗸 🗊 🕅						
_	8							
	Racks	Name	Site Type	Status	Additional Information	Change Image		
ocumentation	•	Q London	City	No Changes		5		
튭	Site Elements	ID-BranchOffice	Building	No Changes				
IT Security	Site clements	ID-Headquarters	Building	No Changes				
· · · ·	-	• • • Munich	City	No Changes		54		
<u>_</u>	Rack Elements	MU-BranchOffice	Building	No Changes				
License Vanagement		B MU-BO-FL_I	Floor	No Changes		5		
	E.	MU-BO-FL_I-01_Sales	Room	No Changes	J			
Ŀ	Add. Info	MU-BO-FL_I-02_Sales	Room	No Changes		5		
All Jobs	\$	B MU-BO-GF	Floor	No Changes		5		
6 ⁰	Favorites	MU-BO-GF-01_Sales	Room	No Changes				
Connect	- de cinces	MU-BO-GF-02_Serve.	. Room	No Changes	1	5		
-		😑 🖩 MU-Headquarters	Building	No Changes				
8		B BMU-HQ-BM_I	Floor	No Changes				
Physical nfrastructure		MU-HQ-BM_I-01_IT	Room	No Changes				
		MU-HQ-BM_I-02_Se	Room	No Changes				
°o		B MU-HQ-FL_I	Floor	No Changes		5		
/lanagement		MU-HQ-FL_I-01_Lab	Room	No Changes				
		MU-HQ-FL_I-02_Acc.	Room	No Changes				
		B BMU-HQ-GF	Floor	No Changes				
		MU-HQ-GF-01_Acco	Room	No Changes				
		MU-HQ-GF-01_Cont.	. Room	No Changes		5		
		🖻 🔍 New York	City	No Changes		54		
		INY-BranchOffice	Building	No Changes		5		

Fig. 1 - Overview Infrastructure Editor



2.3 Editor Basic Functions

As soon as a site or an element of the physical infrastructure has been selected in the data tree, the editor can be opened. According to the selected element in the Docusnap tree structure, the respective client is selected in the editor.



Fig. 2 - Open the Editor II



Editing within the editor takes place in the first step using a tabular structure (grid).

•	Sites					
Sites	+ 🗸 前 🛱	7				
8		7				
Racks	Name	Site Type	Status	Additional Information	Change Image	
		🔥 Continent	New Entry			
a	🗉 🍳 London	City	No Changes		5	
lements	🗉 📲 LO-BranchOffice	Building	No Changes		5	
::	🗉 🖩 LO-Headquarters	Building	No Changes		5	
lements	🗉 🔍 Munich	City	No Changes		54	
	🗉 📱 MU-BranchOffice	Building	No Changes			
	🗉 📲 MU-Headquarters	Building	No Changes		5	
l. Info	New York	City	No Changes		5	
☆	IIII NY-BranchOffice	Building	No Changes		55	

Fig. 3 - Tabular Editing within the Editor

The functions Create, Save and Delete are available for managing the sites.

All actions, such as adding, changing, or deleting objects, are only applied after saving (shortcuts can also be used here - e.g. Ctrl + S).

It is possible to map the complete hierarchy and then save it.

The color coding of the elements indicates that the actions still must be adopted.

- Green: New element is added
- Pink: Element is deleted
- Blue: Change made to element



A previously made change, if it has not yet been saved, can be undone via the context menu.

The context menu offers at least the following options for each element. Depending on the element, further options are available, which will be dealt with in the later chapters.

Q	Sites					
Sites	+ 🗸 🕅 🕅					
8		,				
Racks	Name	Site Type	Status	Additional Information	Change Image	
•	🖻 🔍 London	City	No Changes		54	
here and the second sec	🗉 📲 LO-BranchOffice	Building	No Changes		53	
Elements	🗉 📲 LO-Headquarters	Building	No Changes		54	
	🗉 🔍 Munich	City	No Changes		54	···· •
Elements	🗉 📲 MU-BranchOffice	Building	No Changes		54	🖉 Edit
	🗄 📕 MU-Headquarters	Building	No Changes		54	\$ ² Add to Dashboard
1	New York	City	No Changes		54	☆ Add to Favorites
dd. Info	🗉 📲 NY-BranchOffice	Building	No Changes		54	Additional Information Edit Description

Fig. 4 - Context Menu

Edit

The selected object is edited. Alternatively, the object can be edited by double-clicking on the icon.



Add to Dashboard

The dashboard is the entry point to the Infrastructure Editor. When opened, all added elements are available. The dashboard opens with a click on **Physical Infrastructure**.

The dashboard is user-specific and is therefore not transferred to other users.

Physical I	nfrastructure				Docusnap Sports 💡 🚳 🐑 🗖 🗙 🗙
O Sites	MU-BO-Rack_01	MU-HQ-Rack_01	0 • ×	MU-HQ-Patchpanel_01	× DOSPSW14
Racks	Base Type: Rack - 24 RU Site: MU-BO-GF-02_!	Site: MU-HQ-BM_		Base Type: Patchpanel - 2 RU - 4x12 Ports Rack: MU-HQ-Rack_01	Base Type: Switch - 1 RU - J4904A Rack: MU-HQ-Rack_01
Site Elements	Rack Population:	Rack Population:			
Rack Elements	003F3W13	° • ★			
Add. Info	Base Type: Switch - 1 RU - J9280A Rack: MU-HQ-Rack_01				
₩ Favorites					

Fig. 5 - Dashboard of the Infrastructure Editor

Add to Favorites

Similar to the dashboard, elements can be added to favorites. Favorites are user-specific and are therefore not transferred to other users.

Add Additional Information

Additional information can be assigned to elements. Further information about additional information: HowTo: Add additional information in Docusnap.



3. Manage Sites

Detailed information on working with sites can be found in the manual. To map the physical infrastructure, a site is mandatory.

Within the editor, sites are created, edited, or deleted. Existing sites can also be moved.

0	Sites						
Q Sites		_					
Sites	+ ✓ 👘 🖫	a -1					
8							
Racks	Name	Site Type	Status	Additional Information	Change Image		
•	London	City	No Changes		54		
ite Elements	🙂 📱 LO-BranchOffice	Building	No Changes		Es,		
ite ciements	🕒 📱 LO-Headquarters	Building	No Changes		54		
	🖻 🍳 Munich	City	No Changes		ES,		
ick Elements	H MU-BranchOffice	Building	No Changes		54		
	😐 📕 MU-Headquarters	Building	No Changes		E 6.		
E C	Rew York	City	No Changes		E6]		
Add. Info	😐 📱 NY-BranchOffice	Building	No Changes		5		
Favorites							

Fig. 6 - Editor - Sites



3.1 Site Map

3.1.1 Open the Site Map

The site map is part of the *Edit Site* function. The **Edit Site** function is opened in the data grid of the sites via the context menu or by double-clicking on the icon of the site.

3.1.2 Work with the Site Map

The site map serves for the visual representation of the site. The site map can also be used to create elements via drag & drop (e.g. racks, air conditioning systems, etc.) and to assign inventoried systems. The created elements can be edited by double-clicking.

💮 Physica	I Infrastructure				Docusnap Sports 🚽 🔞 🗸 —	⊟ ×
Q Sites	Sites > Munich > MU-Headquarters > MU-HQ-BM_I	 MU-HQ-BM_I-02_ServerRoom 				
Racks	+ → → → → → → → → → → → → → → → → → → →				General	: •
Site Elements	Rack (9) Switch (18) Patch Panel (14)	MU-HQ-BM_1-02-AC_02		MU-HQ-Rack_02	Name: * MU-HQ-BM_I-02_ServerRoom Type: Room	
Rack Elements	Network Socket (6) System (10)	745			Site Image: *	
Add. Info	Assets (22) Container (4)	MU-HQ-BM_I-PW_5/8				
₩ Favorites	Power Socket (3) Power strip (6)					
	Other (3) Standort (8)					
					Assign Systems	>
					Cable Overview	>
		MU-HQ-BM_I-PW_9/12	MU-HQ-Rack_01			
		10-				

Fig. 7 - Overview Site Map

In the map, the context menu can be opened by right-clicking on the displayed elements. This provides further options such as displaying or editing the cable map and much more.



4. Site Elements

4.1 Use Site Elements

Site items are all items that can be added to a site. These are, for example, servers, network sockets, assets such as air conditioners or fire extinguishers.

Please note that the elements are only assigned to the site. These must subsequently be positioned in the site plan and assigned to an object.

A site element can then be assigned to an inventoried or manually created object. An assignment is made within the toolbox using Assign systems.

If the assigned system is manually or automatically assigned to another location, the linked location element is not automatically assigned to the new location. The link between the element and the system is deleted.

4.2 Create and Manage Site Elements

Site elements can be created, edited, and deleted within the Site Elements tab.

🚱 Physica	I Infrastructure					Docusnap Sports	· 🕸 - 🗆
O Sites	Site Elements						
Racks	Drag a column header here to group by that colu	mn	Access Terminal Air Conditioning Air Conditioning Type	^			
Site Elements	Name	Site	Big Tower Biometric Fingerprint	Status	Additional Information		
Site clements	MU-HQ-GF-5/6	MU-HQ-GF-01_Controll.	Blackberry Debit	No Changes			
	NY-BO-BM_I-3/4	NY-BO-BM_I-01_Server		No Changes			
Rack Elements	NY-BO-BM_I-AC_01	NY-BO-BM_I-01_Server	Digital Multimeter	No Changes			
	[₽] NY-BO-BM_I-PW_1/2	NY-BO-BM_I-01_Server	Emergency Power Empty Panel	No Changes			
Add. Info	NY-BO-BM_I-1/2	NY-BO-BM_I-01_Server		No Changes			
Add. Into	[♥] NY-BO-BM_I-PW_3/4	NY-BO-BM_I-01_Server	нтс	No Changes			
\$	♥ NY-BO-FL_I-PW_3/4	NY-BO-FL_I-01_Sales	iPad iPhone	No Changes			
Favorites	NY-BO-FL_I-3/4	NY-BO-FL_I-01_Sales	Midi Tower	No Changes			
	NY-BO-FL_I-1/2	NY-BO-FL_I-01_Sales	Mini Tower	No Changes			
	V NY-BO-FL_I-PW_1/2	NY-BO-FL_I-01_Sales	Monitor Network Socket - 1 Port	No Changes			
	DOSPTC048	NY-BO-FL_I-01_Sales	Network Socket - 1 Tera-Po	No Changes			
	DOSPTC012	NY-BO-FL_I-01_Sales	Network Socket - 2 Ports	No Changes			
	DOSPTC047	NY-BO-FL_I-01_Sales	Network Socket - 2 Tera-Po Network Socket - 3 Ports	No Changes			
	DOSPTC044	NY-BO-FL_I-01_Sales	Network Socket - 3 Ports Network Socket - 4 Tera-Po	No Changes			
	DOSPTC016	NY-BO-FL_I-02_Sales	Nokia	No Changes			
	DOSPTC045	NY-BO-FL_I-02_Sales	Oscilloscope	No Changes			
	DOSPTC049	NY-BO-FL_I-02_Sales	Patchpanel - 1 RU - 1x24 Po Patchpanel - 1 RU - 3x16 Po	No Changes			
	DOSPTC011	NY-BO-FL_I-02_Sales	Patchpanel - 1 RU - 3x8 Por	No Changes			
	♥ NY-BO-FL_I-PW_5/6	NY-BO-FL_I-02_Sales	Patchpanel - 1 RU - 4x12 Po	No Changes			
	♥ NY-BO-FL_I-PW_7/8	NY-BO-FL_I-02_Sales	Patchpanel - 1 RU - 4x6 Por Patchpanel - 1 RU - 5x10 Po	No Changes			
	NY-BO-FL_I-7/8	NY-BO-FL_I-02_Sales	Patchpanel - 1 RU - 1x12 Fib	No Changes			
	NY-BO-FL_I-5/6	NY-BO-FL_I-02_Sales	Patchpanel - 1 RU - 1x24 Fib	No Changes			
		🔥 Munich	Access Terminal	 New Entry 			

Fig. 8 - Create new Site Element

Within the grid **Site Elements**, elements can be assigned to sites. The assigned elements can then be positioned in the site map.



4.3 Site Element Map

The site element map provides a graphical overview of the selected element. Furthermore, cable connections are defined here, properties are adapted, and system assignments are carried out.

🚱 Physica	l Infrastr	ucture								Docusnap Sports -	🕸 – 🗆	×
•	Site Elen	nents 🔸	Munich	MU-BranchOffice	e ► MU-BO-F	L_I • MU-BO-FL_I	-01_Sales DOSPTC004					
Sites	\checkmark	\bigcirc	CSV ←I	\mapsto								
Racks						_			General		:	-
2									Name: *	DOSPTC004		
Site Elements									Type:	Midi Tower		
Rack Elements									HU:	10 Depth:	473,00	2
						Ŷ			Assigned System:	DOSPTC004		
ED Add. Info						÷,			More Properties			>
\$						Ē			Plugs & Cabel Co	onnections		>
Favorites						7			Assign Systems			>
						\odot	٩		A			
						DOSPTC004 MU-BO-FL_I-01	Sales					
						TT.						
					MU-BO-FL MU-BO-FL	_I-5/6 _I-01_Sales	MU-BO-FL_I-PW_5/6 MU-BO-FL_I-01_Sales					
						MU-BO-Patchp MU-BO-GF-02						
						-	-	– — – + ୲ଭ୍ରି ୲ଭ୍ <mark>Rea</mark> r				

The site element map can be opened via the context menu in the tab **Site Elements**.

Fig. 9 - Site Element Plan

If other elements are connected to the selected element, the direct connections are displayed in the site elements map.

The mouse over function for individual cabling displays more detailed information about this.



5. Racks

5.1 Use Racks

A rack is created in the Infrastructure editor. Elements are then added to the rack. Inventoried or manually added systems (assets) can then be assigned to these elements.





5.2 Create and Manage Racks

In the Infrastructure Editor, new racks can be created, or existing ones managed in the racks area.

Predefined shapes are supplied as standard. New shapes can be created with the shape editor.

If a new rack shape is created, the counting direction can be defined in addition to the height.

The rack can then be selected for editing via the context menu.

Elements can be inserted into the rack via drag & drop.

The inserted elements can be marked and edited in the toolbox. The element can be inserted forwards or backwards.

Once a rack element has been selected, an inventoried or manual object can be assigned to it. An assignment is made within the toolbox using **Assign Systems**.

If the assigned system is manually or automatically assigned to another location, the linked rack element is not automatically assigned to the new location. The link between the element and the system is deleted.

The name of the rack element is automatically set during system assignment.



Fig. 10 - Edit the Rack - Elements Added



5.3 Clone and Export / Import Racks

Existing racks can be duplicated or saved as templates.

To duplicate a rack or save it as a template, open the context menu of the desired rack. This option can also be found in the site map or rack map.

	Element Type Production O-Rack_01 Rack - 12 RU UServerRoom O-Rack_02 Rack - 18 RU 2.ServerRoom Q-Rack_01 Rack - 38 RU	LO-BO-GF-04_	Status Production No Changes ServerRo No Changes	Additional Information		
Racks Site Site Elements Site Elements Rack Elements Add. Info Add. Info ≤ Favorites MU-B0-GF-02, MU-B0-GF-02, MU-B0-GF-02, MU-B0-GF-02, MU-B0-GF-02, MU-B0-GF-02, MU-B0-GF-02, MU-B0-GF-02, MU-H0-9M, J- MU-H0-9M, J-	Element Type Production O-Rack_01 Rack - 12 RU UServerRoom O-Rack_02 Rack - 18 RU 2.ServerRoom Q-Rack_01 Rack - 38 RU	LO-80-GF-01_1 LO-80-GF-04_3	Production No Changes			
Site Elements V Image: Site Elements Image: Site Elements Rack Elements Image: Site Elements Image: Site Elements Image: Site Elements <td>Production O-Rack_01 Rack - 12 RU ServerRoom O-Rack_02 Rack - 18 RU 2.ServerRoom Q-Rack_01 Rack - 38 RU</td> <td>LO-80-GF-01_1 LO-80-GF-04_3</td> <td>Production No Changes</td> <td></td> <td></td> <td></td>	Production O-Rack_01 Rack - 12 RU ServerRoom O-Rack_02 Rack - 18 RU 2.ServerRoom Q-Rack_01 Rack - 38 RU	LO-80-GF-01_1 LO-80-GF-04_3	Production No Changes			
Add. Info Add. Info Favorites Add. Info	O-Rack_01 Rack - 12 RU serverRoom O-Rack_02 Rack - 18 RU 2,serverRoom Q-Rack_01 Rack - 38 RU	LO-BO-GF-04_				
Rack Elements ILO-BC Add. Info ILO-HQ-GF-04 Add. Info ILO-HQ-GF-02 Favorites ILO-HQ-GF-02 MU-Bo-GF-02 ILO-HQ-GF-02 MU-Bo-GF-02 ILO-HQ-GF-02 MU-Bo-GF-02 ILO-HQ-GF-02 MU-Bo-GF-02 ILO-HQ-GF-02 MU-Bo-GF-02 ILO-HQ-GF-02	O-Rack_01 Rack - 12 RU serverRoom O-Rack_02 Rack - 18 RU 2,serverRoom Q-Rack_01 Rack - 38 RU	LO-BO-GF-04_				
Rack Elements	_ServerRoom O-Rack_02 Rack - 18 RU 2_ServerRoom Q-Rack_01 Rack - 38 RU	LO-BO-GF-04_				
	O-Rack_02 Rack - 18 RU 2.ServerRoom Q-Rack_01 Rack - 38 RU		ServerRo No Changes			
Add. Info Add. Info Favorites Add. Info A LO-HQ-GF-02. A MU-B0-GF-02 A MU-B0-GF-02 A MU-B0-GF-02 MU-B0-GF-02. A MU-B0-GF-02. A MU-B	2_ServerRoom Q-Rack_01 Rack - 38 RU		ServerRo No Changes			
Favorites	Q-Rack_01 Rack - 38 RU					
Favorites MU-B0-GF-02 MU-B0-GF-02 MU-B0-GF-02 MU-B0-GF-02 MU-B0-GF-02 MU-B0-GF-02 MU-B0-GF-02	-					
Favorites MU-Bu MU-HQ-BM_I-		LO-HQ-GF-02_	ServerRo No Changes			
MU-HQ-BM_I-	2_ServerRoom					
	3O-Rack_01 Rack - 24 RU	MU-BO-GF-02_	ServerR No Changes			
E MILH	-02_ServerRoom				2 Edit	
B 100-11	HQ-Rack_01 Rack - 38 RU	MU-HQ-BM_I-0	02_Serve No Changes		Remove from Dashboard	
E MU-H	HQ-Rack_02 Rack - 38 RU	MU-HQ-BM_I-0	02_Serve No Changes		Add to Favorites	
4 MU-HQ-FL_I-0	01_Lab				Save Rack as Template	
🗐 MU-H	HQ-Rack_04 Rack - 24 RU	MU-HQ-FL_I-01	1_Lab No Changes		Additional Information	
МU-Н	HQ-Rack_03 Rack - 18 RU	MU-HQ-FL_I-01	1_Lab No Changes		' Duplicate Rack	
4 NY-BO-BM_I-0	01_ServerRoom					
S NY-BC	O-Rack_01 Rack - 24 RU	NY-BO-BM_I-01	1_Server No Changes			

Fig. 11 - Duplicate Rack or Save as Template

If the rack is saved as a template, the information is saved in an XML file. When a new rack is created, the option Create rack from template is available.

If the rack is duplicated, it will be created with all components included.

If a rack is duplicated or created from a template, the properties of the rack and elements must be adjusted.



6. Rack Elements

6.1 Use Rack Elements

Rack elements are those components that are inserted into a rack.

In the rack elements area, elements can be added to a rack via the grid. Elements that are assigned to the rack via the grid are not automatically positioned in the rack. The positioning of the elements is carried out afterwards in the rack map.

It should be noted that no validation takes place as to whether there is still sufficient space in the rack.

Physical	Infrastr	ucture							Docusnap Sports	· 🕸	- 8
Q Sites	Rack Eler	ments									
Racks	Rack										
a		Name	Site	Rack	Element Type	Install forward	Height Unit	Status	Additional Information		
Elements	7										
_	d LO-BO	-Rack_01									
		LO-BO-PS_RM_01	LO-BO-GF-01_Production (Lo	LO-BO-Rack_01	Power Strip - Rack Mounting		1	No Changes			
Elements	<u>/111</u>	LO-BO-Patchpanel_01	LO-BO-GF-01_Production (Lo	LO-BO-Rack_01	Patchpanel - 1 RU - 4x6 Ports	1	12	No Changes			
EO		SESX15	LO-BO-GF-01_Production (Lo	LO-BO-Rack_01	Server - 4 RU - 6 Ports - 4 Po	1	3 - 6	No Changes			
dd. Info	<u>/111</u>	LO-BO-Patchpanel_04	LO-BO-GF-01_Production (Lo	LO-BO-Rack_01	Patchpanel - 1 RU -1x12 Fibre	1	10	No Changes			
		DOSPSW10	LO-BO-GF-01_Production (Lo	LO-BO-Rack_01	Switch - 1 RU - J9775A	1	8	No Changes			
☆	d LO-BO	-Rack_02									
Favorites 4	000	LO-BO-PS_RM_02	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Power Strip - Rack Mounting		3	No Changes			
	/111	LO-BO-Patchpanel_06	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Patchpanel - 1 RU - 4x12 Ports	1	16	No Changes			
		DOSPDB01	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Server - 1 RU - 4 Ports - 2 Po	1	5	No Changes			
		DOSPBK01	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Server - 1 RU - 4 Ports - 2 Po	1	6	No Changes			
	8	LO-BO-Rack_02-USV_01	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Rack USV	1	1 - 2	No Changes			
	/111	LO-BO-Patchpanel_05	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Patchpanel - 1 RU -1x12 Fibre	V	17	No Changes			
	<u>/m</u>	LO-BO-Patchpanel_02	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Patchpanel - 1 RU -1x24 Tera	1	18	No Changes			
		DOSPSW12	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Switch - 1 RU - J4904A	V	12	No Changes			
		DOSPSW20	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Switch - 1 RU - J8698A	V	13	No Changes			
		DOSPSW09	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Switch - 1 RU - J9775A	1	9	No Changes			
		DOSPSW11	LO-BO-GF-04_ServerRoom (L	LO-BO-Rack_02	Switch - 1 RU - J9775A	1	10	No Changes			
	d LO-HQ	I-Rack_01									
		LO-HQ-PS_RM_02	LO-HQ-GF-02_ServerRoom (L	LO-HQ-Rack_01	Power Strip - Rack Mounting	1	6	No Changes			
		DOSPSW17	LO-HQ-GF-02_ServerRoom (L	LO-HQ-Rack_01	Switch - 1 RU - J9775A	1	33	No Changes			
		DOSPSW18	LO-HQ-GF-02_ServerRoom (L	LO-HQ-Rack_01	Switch - 1 RU - J9280A	1	29	No Changes			
		DOSPSW15	LO-HQ-GF-02 ServerRoom (L	LO-HO-Rack 01	Switch - 1 RU - J4904A	1	27	No Changes			

Fig. 12 - Overview Rack Elements



6.2 Rack Elements Map

If the editing of a rack element is started via the context menu, the rack elements map is opened.

With the help of the toolbox, the rack element can be edited, cable connections can be stored, or a system assignment can be made.

In the case the cabling is defined, the direct connections are displayed.

The mouse over function for individual cabling displays more detailed information about this.



Fig. 13 - Cabling of the Elements



7. Shapes

Shapes in Docusnap are graphical images of elements. These are needed, for example, to visually represent the structure of a rack. Examples of shapes are servers, workstations, power strips, UPS, patch panels, etc.

7.1 Shape Editor

Docusnap supplies ready-made shapes. The existing Shape collection can be extended using the Shape Editor.

For newly created other assets, a corresponding shape is automatically created.

7.1.1 Use Shape Editor

The Shape Editor is started within the Infrastructure Editor - via the gearwheel and the Edit Element Types selection.

Physical I	nfrastructure			Docusnap Sports 🕞 🚱 - 🗖 🗙
Sites	MU-BO-Rack_01	MU-HQ-Rack_01	Base Type: Patchpanel - 2 RU - 4x12 Ports	Be Edit Element Types n ⁰ / ₂ Edit Cable Types DOSPSW14 □ Edit Plug Types Element Types Element Types Edit Category Base Types
Racks	Site: MU-BO-GF-02_S Rack Population:	Site: MU-HQ-BM_I-0. Rack Population:	Rack: MU-HQ-Rack_01	Rack: MU-HQ-Rack_01
Rack Elements	DOSPSW13 Ø • × Base Type: Switch - 1 RU - J9280A Rack: MU-HQ-Rack_01			
☆ Favorites				

Fig. 14 - Call the Shape Editor





7.1.2 Work with the Shape Editor

7.1.2.1 Add New Shapes

To be able to create new shapes, corresponding image files are required first. Please note that front and back side are required.

In the first step, information regarding name, type, height, width, and depth is entered. The values refer to the actual size of the object.

The image files are then made available. Image files can be made available to the Shape Editor already cut. However, the Shape Editor also has an integrated crop mode.

🚳 🕴 Shape Edi	itor													×
Element Deta	ils													
Name:	HPE DL	380 Gen 10]
Type:	System		 Height: 		2.00 🔹	HU	• Width:		19.00 🜲	inch	▼ Depth:	400 🗘	in mm	
Description:	HPE DI	L380 Gen 10 Shape											< >	
Front Image	Back Ir	nage												-
Select Imag	e:	C:\Users\Administrator\P	ictures\HPE DL38) Gen 10 - Front.png			Plug Widt	:h:		118 🜲	Plug Height:		118 💂	-
Plug Type:		Audio Input	• 💉 F	lug Group Name:								Advanced Options	•	
									↑ Up 🕹 Down	🗙 Delete Plu	g			
				↑⇔७୯	🕄 Mode	Select		-	NR. NAME		TYPE	GROUP NAME		
							VARIABILITY	11						
												Save	Cancel	

Fig. 15 - Crop the Shapes in the Editor



7.1.2.2 Define Plug Connections

Docusnap automatically recognizes the possible plug connections of the shape. The following figure shows the detected plug connections (marked red).

Note: By adjusting the plug width and height, the algorithm can detect plugs that were not detected during the first pass.

🚳 🕴 Shape E	ditor												×
Element De	tails												
Name:	HPE DI	.380 Gen 10											
Type:	Switch		▼ Heig	ht:	2.00 📮 HU	J	• Width:		19.00 🔹	inch 🔹 Depth:	400	in mm	
Description	HPE D	L380 Gen 10 Shape										~	
Front Imag	Back I												
Select Imag		C:\Pictures\HPE DL38	0 Gen 10 - Back nn	9			Plug Width:	Г		118 🌩 Plug Height:		118 🜲	-
Plug Type		Audio Input		9 Plug Group Name:			Flug Widdh.			ridg Height	Advanced Options	•	
Flug Type									∱Up ∳Down	× Delete Plug			
				↑⇔୭୯	🤁 Mode: Sel	ect	-		NR. NAME	ТҮРЕ	GROUP NAME		
	6		ষ্ট:গ্ৰ				.						
	a 1				100								
· ·	2												
	•••	4 3 -	00] 🔳 📜										
											Save	Cancel	

Fig. 16 - Detected Plugs



A plug connection is defined by selecting the interface on the shape. Before a selection is made, the appropriate plug type should be selected.

Shape Edito	r			□ ×
Element Detail:	5			
Name:	HPE DL380 Gen 10			
Category:	System Height: 2.00 HU Width:	19.00 🔹 inch	Depth:	400 🔹 in mm
Description:	HPE DL380 Gen 10 Shape			^
				~
Front Image	Back Image			
Select Image	e: C:\Docusnap\Shapes\HPE DL380 Gen 10 - Back.png Plug Width:	79	+ Plug Height:	79 🛓
Plug Type:	RJ-45 🗸 Plug Group Name: Network		[Advanced Options 🔹
		↑ Up ↓ Down × Dele	te Plug	
	↑ ↔ "> C "O Mode: Select -	Nr. Name	Туре	Group Name
		1 1	RJ-45	Network
NO	61 ====== \$1 ==	2 2	RJ-45	Network
$\bigcirc \odot$		3 3	RJ-45	Network
	4.	4 4	RJ-45	Network
	5.			
۲				
	6.			
•				
l				
0				
<	>			
				Save Cancel

Fig. 17 - Define the Detected Plugs



7.1.2.3 Add Unrecognized Plugs

If individual plugs are not detected automatically, they can be added manually. The **Define Plug Manually** mode is used for this purpose.

The position of the plug can be defined with the aid of four marking points. Once the connector has been defined, it can be added with the green +.

Shape Edito	Dr						□ ×
Element Detail	s						
Name:	HPE DL380 Gen 10						
Category:	System .	- Height:	2.00 - HU - Width:	19.00	inch 🗸 Depth:	400-	in mm
Description:	HPE DL380 Gen 10 Shape						^
Front Image	-						~
Select Image		IPE DL380 Gen 10 - Bac			118 Plug Height:		118
Plug Type:	VGA	 Plug Group N 	Name: Network			Advanced Option	s 🔹
				↑Up ↓Do	own 🗙 Delete Plug		
		↑ ↔ ७ ୯	🖞 🔿 Mode: Define Plug Manually 🔹 🕂	Nr. Name	Туре	Group Name	
			Select	1 1	RJ-45	Network	
			Crop Image Define Plug Manually	2 2	RJ-45	Network	
			Denne Plug Manualy	3 3	RJ-45	Network	
				4 4	RJ-45	Network	
						Save	Cancel

Fig. 18 - Define the Plug Manually



7.2 Add Properties

Further properties (e.g. weight, current consumption, etc.) can be added to an element via the gear wheel and the selection Edit Element Types.

To assign properties to an element, it must be selected. The **Properties** button opens an overview of the available properties.

The Define Properties button can be used to create additional properties and assign them to the element.

♀ Sites	MU-BO-Rack_0)1		0 - X	MU-HQ-Rack_	01	6	∥ • ×	MU-HQ-Pa	tchpanel_01	Ø	• ×	DOSPSW	/14	0 -
Racks	Base Type: Site:	Rack - 24 RU MU-BO-GF-02_5		age Shar	Base Type:	Rack -	38 RU -		Base Type:	Patchpanel - 2 R		×	Base Type: Rack:	Switch - 1 RU - J4904A MU-HQ-Rack_01	
ite Elements	Rack Population:			ew 🔹 🖉 Edi Name	t 🖶 Properties 🗙	Delete 🕻	Copy Type	Plug							•• ••••
ck Elements	DOSPSW13		7 8,-	HPE DL380	Gen 10	Add I	Properties						□ ×		
	Base Type: Swi	tch - 1 RU - J9280A		HTC		V	Property Inventory Number		Туре		Edit Default Value				
Add. Info	Rack: MU	I-HQ-Rack_01	8,/ 8,/	iPad iPhone		·	Manufacturer		Text Text						
				Midi Tower			Waste heat in Watt		Text						
☆ avorites				Mini Tower			Warranty expires		Date						
			-	Monitor			Input Current (A) Input Voltage (V)		Decimal						
					ket - 1 Port ket - 1 Tera-Port		Power Rating (VA)		Decimal						
					ket - 2 Ports		Serial Number		Decimal						
			E,	Network So	ket - 2 Tera-Ports		Weight (kg)		Decimal						
			ŧ,	Network So	sket - 3 Ports		Contact		List						
			-		ket - 4 Tera-Ports										
				Nokia											
				Carollossono											
										Define Pro	operties Ok		Cancel		

Fig. 19 - Edit properties



7.3 Edit Plug Types

The call is made within the Infrastructure Editor - via the gear wheel on the top right and the selection Edit Plug Types.

All plugs created in Docusnap have a basic type. Only plugs that share the same basic types can be wired to each other. The different plugs can be assigned to several basic types. E.g. SFP + corresponds to the type Network as well as Fibre-optic.

The Plug Count specifies the number of possible connections per plug. This is required if several connections are possible with one port, e.g. with a TERA cabling.

7.4 Edit Cable Types

The call is made within the Infrastructure Editor - via the gear wheel and the selection Edit Cable Types.

All connections created in Docusnap have a basic type. Cable types can only be wired with a plug that shares the same basic types.

The number of possible ports per side can be defined by means of the number of A/B plugs.

7.5 Shape Export / Import

Newly created shapes can be exported or imported. This makes it possible to transfer shapes to other databases. To open the export/import wizard, select a site or any physics element in the Docusnap tree structure. Then the desired wizard can be selected via the context menu. When importing, Docusnap checks if a shape with the same name already exists. Only shapes that do not already exist will be imported.

Docusn	ар							0 竣 №·?• - □ ×
Discovery	Inventory							
	📕 Windows (AD) 🔸	🖵 SNMP 🕇	🖹 Active Directory 📩	VMware	*	🔺 Azure Service 🔶	Ø Office	*
Inventory	🕼 System Groups 📩	··· All Wizards						
Documentation	 Docursing Sports Cocursing Sports Cocursing Sports Cocursing Sports Cocursing Sports Solution Solution<th>Nan</th><th>ne X Dele BranchOffice Headquarters ← Impo</th><th>te ch</th><th>Tyr Bu</th><th>Additional Information</th><th>nment Criteria</th><th></th>	Nan	ne X Dele BranchOffice Headquarters ← Impo	te ch	Tyr Bu	Additional Information	nment Criteria	





8. Document Cabling

By mapping the Physical Infrastructure, it is possible to document the cabling.

Before cabling routes can be mapped, the corresponding elements must be stored in Docusnap. These elements could be for example

- Several sites of the type room
- One or more racks in which switches and patch panels are added
- One or more network sockets available in the rooms
- Elements of the type workstations in rooms
- Defined plugs
- Defined cable types



Fig. 21 - Sample Cable Map



8.1 Cable Types

Different cable types are required to map complete cabling. Docusnap contains standard cable types. Further cable types can be added in the menu under Edit Cable Types.



Fig. 22 - Add Cable Types

The required cable types can then be defined in the next dialog.



8.2 Description of the Procedure

To define a cabling, it is necessary to switch to the editing of the element. Connections to other elements can be specified in the toolbox under **Plugs & Cable Connections**.



Fig. 23 - Ports & Power Connections

It should be noted that some elements require a connection for the front and rear sides, e.g. patch panels or network sockets.

If an element is linked to a switch, the topology map of the linked switch can be displayed. This is opened with the help of the button Switch Assignment within the toolbox Plugs & Cable Connections.

By means of the three points a description can be deposited for a single port. The name of the plug can be edited directly in the PLUG column.

< 1	Back to Ov	erview	(DOSPTO	2040)		
Plug)					
□S	how Descrip	otion				
0 F	Adjust Cable	⊨Exp	ort Plugs	# Switch Assignment		
	Plug	Nr.	Group	Wired with		•
U	Audio O	1			,	
U	Audio In	2		Change Descr	iption	
U	USB 1	3				

Fig. 24 - Show Switch Assignment



A new cable connection can be defined for this object using the cabling dialog. This can be opened via the **Adjust Cable** button or by double-clicking in the **Wired with** column.

The cable name, the cable type, the cable color, the element name of start and destination as well as the port can be defined.

All existing cable connections are displayed in the editing dialog. The default setting, however, is a filter that filters the data grid to the previously selected port.

If a new entry is created, the desired cable type must be selected. Then one or more ports can be connected depending on the cable type. The checkbox at the cable side indicates the starting point and the end point of the connection. An empty checkbox corresponds to Start, and a set checkbox corresponds to Endpoint.

Cable Con	nections							
Name:	Connection-005				Name	Connection	Color	
Cable Type:	Power	Cable Color:		Y J	Connection	NY-BO-FL_I-PW_5/6 - Power Plug		-
Plug:	Element	Port	Cable Direction	ŋ	Connection	NY-BO-FL_I-PW_5/6 - Power Plug		
	୍ତି NY-BO-FL_I-PW_1/2	Power Plug 1 - Front		Ű	Connection	NY-BO-FL_I-PW_7/8 - Power Plug		
	থ DOSPTC047	Power Plug	1	J	Connection	NY-BO-FL_I-PW_7/8 - Power Plug		
		-		J	Connection	lug 1 <-> DOSPTC047 - Power Plu	ig 📃	
				Ĵ	Connection	NY-BO-FL_I-PW_1/2 - Power Plug		
				J	Connection	NY-BO-FL_I-PW_3/4 - Power Plug		
				J	Connection	NY-BO-FL_I-PW_3/4 - Power Plug		
				J	Connection	NY-BO-BM_I-PW_1/2 - Power Plu	🗖	
				J	Connection	NY-BO-BM-PS_RM_01 - Power Ca		
		New	Save Delete	J	Connection	NY-BO-BM-PS_RM_02 - Power Ca		
				J	Connection	NY-BO-BM-PS_RM_01 - Power Pl.		
				Ű	Connection	NY-BO-BM-PS_RM_02 - Power Pl.		
				J	Connection	LO-BO-GF-PW_3/4 - Power Plug .		
				Ű	Connection	LO-BO-GF-PW_3/4 - Power Plug .		
				Ű	Connection	LO-BO-GF-PW_1/2 - Power Plug .		
				Ű	Connection	LO-BO-GF-PW_1/2 - Power Plug .		
				J	Connection	LO-BO-PS_RM_01 - Power Cable .		
				J	Connection	DOSPSW10 - Power <-> LO-BO		
				J	Connection	SESX15 - Power Plug 1 <-> LO-B.		
				J	Connection	SESX15 - Power Plug 3 <-> LO-B.		
				.8	· ·			
								ОК
								_

Fig. 25 - Cable Connection



9. Documentation and Analysis

9.1 Reports

Docusnap contains various reports on the Physical Infrastructure. These can be found in the tree structure below the sites.

The following reports are available.

Rack Summary The Rack Summary outputs information about the rack. It includes existing properties. Information on installed elements is also displayed.

Rack Summary - Site All racks of the site and the subordinate sites are considered.

Patch Panel Summary

The Patch Panel Summary outputs information about the patch panel. It includes existing properties. information on wired elements is also displayed.

Patch Panel Summary - Site All patch panels of the site and the subordinate sites are considered.

Physical Elements Dashboards Overview of the elements added to the dashboard.

Physical Elements Favorites Overview of the elements added to the favorites.

Wiring Overview Overview of the patch panel assignment and the further cabling.

Site Wiring Overview Outputs the cabling performed for elements at the selected location.

Element Wiring Overview Outputs the cabling carried out for the selected element.



9.2 Maps

A visual evaluation of the Physical Infrastructure can be carried out with the help of maps. These can be found in the tree structure within the navigation areas *Inventory* and *Documentation*.

These maps are ad hoc maps. They are thus regenerated when opened and always refer to the most current data.

Maps are not only displayed in Docusnap but can also be exported to various formats (PNG, Visio, HTML, SVG).

9.2.1 Element Map

The element map can be opened below a single element in the tree structure. This map shows the connection between the element and other elements. Only the direct connections of the element are displayed.

Using the ribbon bar, you can control whether the front or rear side of the elements should be shown.

The mouse over function for individual cabling displays more detailed information about this.



Fig. 26 - Element Map



9.2.2 Wiring Map

The wiring map can be opened below a single element in the tree structure. This map shows the continuous cabling route of the corresponding element to the endpoint, e.g. the network cabling of a workstation to the backbone switch.

Using the ribbon bar, you can control whether the front or rear side of the elements should be shown.

The mouse over function for individual cabling displays more detailed information about this.



Fig. 27 - Wiring Map

9.2.3 Site Map

The site map can be found below a site. The site map shows the structure of the site. This applies to the stored site image as well as the positioning of the site elements.

9.2.4 Rack Map

The rack map reflects the physical structure of a rack. The positioning of the rack elements in the rack is shown. The map can be found below a rack.

Using the ribbon bar, you can control whether the front or rear side of the elements should be shown.

By setting the checkbox *Show Connections* the connections of the elements within the rack are displayed.

The mouse over function for individual cabling displays more detailed information about this.



9.3 Data Output and Further Processing

In addition to reports and maps the documented Physical Infrastructure can be output and further processed with the following functions.

Docusnap Connect

Using Docusnap Connect, user-defined packages can be exported. These contain the desired information from the Physical Infrastructure.

Docusnap Concepts

Maps, reports and overviews from the Physical Infrastructure can be integrated into concepts.

Grid Export

Possibility of direct Excel export. Overviews in data grids can be exported directly to an Excel table.



10. Physical Infrastructure - CSV Import

10.1 Building a CSV File

Physical Infrastructure information can be imported via CSV import. The general requirements for the CSV file are listed below.

An Excel template can be downloaded from our community. The Excel file contains several data sheets that show the various imports.

- The sign ";" (semicolon) is used as a separator.
- A heading is always expected in the first line. This row will not be considered during the import.
- The names of the columns are not relevant.
- Docusnap assigns the names of the entries to the dependent objects to import the CSV data. IDs cannot be used.
- If data records to be imported are not complete or cannot be assigned, they are imported in the Import dialog and can be manually adjusted there.
- If data records already exist, duplicates are created.
- The order of the columns must be observed. This is specified in the individual points.

Sites

- Site Name
- Site Type
- Parent Site (empty if at the top of the hierarchy)

Site Elements

- Site Element Name
- Site
- Site Element Type

Racks

- Rack Name
- Rack Type
- Site

Rack Elements

- Rack Element Name
- Rack Name
- Rack Element Type
- Orientation (front or back) (front = 1 or True, back = 0 or False)

Rack elements can only be assigned to the rack via the CSV import, but not to the height unit. After the CSV import, the elements must be positioned accordingly.


Cable Connection

At least two lines are required for each cable connection to be imported, depending on the connector. One line for each connector that the cable has. The cable connection is assigned based on the name / connection name:

Name	CableName	Color	ElementName	PortName	isFront	Number	Direction
SW01-PP01-01	Cat 5	0-0-0	SW01	1	1	1	0
SW01-PP01-01	Cat 5	0-0-0	PP01	1	1	1	1
PP01-SRV01-01	Cat 5	0-0-0	PP01	1	0	1	0
PP01-SRV01-01	Cat 5	0-0-0	SRV01	1	0	1	1
SW01-SRV01-01	Cat 5	0-0-0	SW01	2	1	1	0
SW01-SRV01-01	Cat 5	0-0-0	SRV01	1	0	1	1

- Name Designation of the connection, must be unique
- CableName cable type
- Colour Colour of the cable as RGB
 - o If the field is left empty, the standard colour of the cable is used
- ElementName element to be wired from the physical infrastructure
- PortName Name of the port
- IsFront Is the port on the front or back of the element
 - o Front = 1 or True, Rear = 0 or False
- Number relevant for cabling with multiple connections
 - o Indicates the position of the connection on the connector
 - o If the connector only has one port, a 1 is always entered
- Direction Indicates at which end of the cabling this port is located
 - o Start = 0 and end = 1
 - o Relevant if there are several connectors on one side of the connection. E.g. TERA cabling



Entries that could not be inserted correctly are marked with a red X and must be adjusted manually.

Import Cab	le Connections									×
←Import Data	a 🗙 Delete									
Name:	MappedCable837					Name	Color			
Cable Type:	Cat 5	✓ Cable Color:		-	ŋ	Connection				
Plug:	Element	Port	Cable Direction		ମ୍ ମ୍	Connection	_			
	ീ DOSPLX07	<new entry=""></new>			ญ	Connection	_			
	এ DOSPSW01	14	7		ปี	Connection				
					ปี	Connection				
				0	ŋ	Connection				
					ŋ	Connection				
					Ű	Connection	_			
					ŋ	Connection				
					ŋ	Connection	_			
					ŋ	Connection	_			
					Ű	Connection				
					Ŷ	Connection	_			
					ŋ	Connection	_			
					Ŋ	Connection				
					ମ୍ ମ୍	Connection				
					•0 ญี	Connection	_			
					•0 🛞	MappedCabl				
					0	wappeucabi				1
								ОК	Cancel	

Fig. 28- Results of the CSV Import for Connections



10.2 Cable Connections Import/ Export Functions

With the help of the function **Export Plugs** it is possible to export a finished CSV file with the cabling of the system. The export function is available for all elements where connections can be documented.



Fig. 29 - Export Plugs

The existing connections can be deleted during export. This means that the connections can then be adapted in the exported CSV file and then re-imported.

Export Plu	ıgs 🗖 🗙
File Name:	C:\Docusnap\CSV\Export.csv
🗌 Delete exi	sting connections of the element before export
	cess multiple plugs and cables simultaneously, cable connections can be exported to a CSV file. , the file with the cables and plugs is imported again via CSV import and the changes are saved in a. Export Cancel

Fig. 30 - Export Plug Dialog

Attention: If the checkbox is activated, these connections are deleted from the database. If the CSV file is lost, the connections must be documented again.

The exported CSV file can then be imported as usual using the Import Cable Connections button.



11. Migration Wizard

To migrate inventory data of the Physical Infrastructure from older Docusnap versions a migration wizard is available. This is started as soon as the editor is opened.

? Start Conversion
Do you want to convert the old physical infrastructure data?
Yes <u>N</u> o

Fig. 31 - Migration Wizard - Start Conversion

The request for migration only occurs once and for all clients in the database. If the conversion is rejected, the dialog does not appear again.

The migration of the existing Physical Infrastructure is only partially automated since information was not defined in this level of detail in the previous Physical Infrastructure. For example, patch panels were connected to a switch without detailed port information. The assignments within a rack cannot be transferred either. The corresponding elements are placed in the rack but must be moved to the desired position by the user.

The previous tables and columns and their contents are retained after migration.

- tRacks
- tNetworkSocket
- tNetworkSocketPort
- tHosts.RackID
- tHosts.RackStartHeightUnits
- tHosts.RackNumberOfHeightUnits



11.1 Transfer Data

The following steps are performed in the migration wizard:

- Racks are converted
 - o Name and site are taken over automatically
 - A rack type must be manually assigned to the existing rack.

nve	ert					- 1
	1	2	3	4)(
	Information	Racks	Systems	Network	Socket Ste	eps 5-6
lonv	vert Racks					
	Add Rack Type					
	Name	Site	Rack Type	Old Rack Height		
٥	Rack One Munich	Server-Room	-	10		
			Rack - 12 RU Rack - 15 RU			
			Rack - 18 RU			
			Rack - 24 RU			
			Rack - 26 RU			
			Rack - 38 RU Rack - 42 RU			
			Rack - 47 RU			
			Rack - 9 RU			
					Next	Cancel
					<u></u> ext	Cancer

Fig. 32 - Migration Wizard - Racks



- Systems and assets are converted
 - o System name, rack and site are assigned automatically.
 - You may have to make manual adjustments to the system type.
 - o Systems assigned to a rack must be manually positioned in the rack.
 - An automatic installation on the corresponding RUs does not take place!
 - You can make a multiple selection for the system type by choosing Assign System Type.

nve	ert				- 1
	- 1	2	3	4	
	Informati	ion Racks	Systems	Network Socket	Steps 5-6
onv	ert Systems	R/ Acceta			
4/	Add System T	ypes 🛛 👼 Assign System Type			
	Name	System Type	Assigned Rack	Site	Old Element Height
ŀ	SESX10	Server -1 RU - 4 Ports - 1 Power Plug (Rack One Munich	Server-Room	1,00
þ	TKNVT002	Desktop PC (HE 10; 2 Audio Input; 3 A	<no selection=""></no>	Meeting-Room	
þ	TKNP0004	Desktop PC (HE 10; 2 Audio Input; 3 A	<no selection=""></no>	Meeting-Room	
þ	SESX11	Server -1 RU - 4 Ports - 1 Power Plug (Rack One Munich	Server-Room	
þ	SESX12	Server -1 RU - 4 Ports - 1 Power Plug (Rack One Munich	Server-Room	
[.	ASWIT003	Switch - 1 RU - 2x8 Ports (HE 1; 2 Pow	Rack One Munich	Server-Room	
þ	ASWIT005	Switch - 1 RU - 2x8 Ports (HE 1; 2 Pow	Rack One Munich	Server-Room	
þ	ASWIT001	Switch - 1 RU - 2x8 Ports (HE 1; 2 Pow	Rack One Munich	Server-Room	
					<u>N</u> ext Cancel

Fig. 33 - Migration Wizard - Systems

- Network sockets are converted
 - o The name is transferred
 - The network socket type is determined automatically if possible. A manual correction may be necessary here
 - o The site must be assigned if necessary
- Patch panels are converted
 - o Name and site are automatically transferred if possible.
 - A patch panel type must be entered manually.
 Patch panels assigned to racks are only assigned to the corresponding rack. An automatic installation on the corresponding RUs does not take place.



12. Use Case for the Physical Infrastructure

In the following chapters, practical scenarios are described using the Docusnap demo database provided. These are explained using fictitious examples.

These use cases do not contain a detailed description of the individual menus.

12.1 Relocation of a Workstation

The relocation of a workstation is described below. The aim is to move the workstation DSWS02 from room EG_00-ROOM_01 to room EG_00-ROOM_02. The problem is to understand the cabling route.

The wiring map is used to ensure that all cable connections are plugged in correctly and that connections that are no longer required are removed.



Fig. 34 - Cabling Map - Demo Database

The system is then assigned to the new site and rewired.



12.2 Determine the Wiring of Critical Systems

This example describes the wiring of a redundant network. It looks like this.



Fig. 35 - Redundant Network Scheme – Use Case

In this use case, the two core switches Coreswitch_01 and Coreswitch_02 are considered. A coreswitch should be wired as follows.

- Connection to the other coreswitch
- One connection each to the three servers
- One connection each to the distribution switches
- One connection each to a separate UPS network

The element plan can be used to check the direct connections of a system.

If a presumed connection is not displayed in the element map, you must check whether it exists.

You can find a redundant network in the Docusnap demo database in the following rack: MU-HQ-Rack_02



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VERSION HISTORY

date	Description of the		
23.01.2019	Version 1.0 released		
01.07.2019	Version 1.1 new features described		
06.05.2020	20 Version 2.0 - Revision of the HowTos for Docusnap 11		
29.06.2021	Version 2.1 – Shape Export & Import feature described		
28.05.2024	Version 2.2 - Revision of the CSV import.		
	Link to template in the community added.		

