



Productivity Tools

Tabular Report Generation

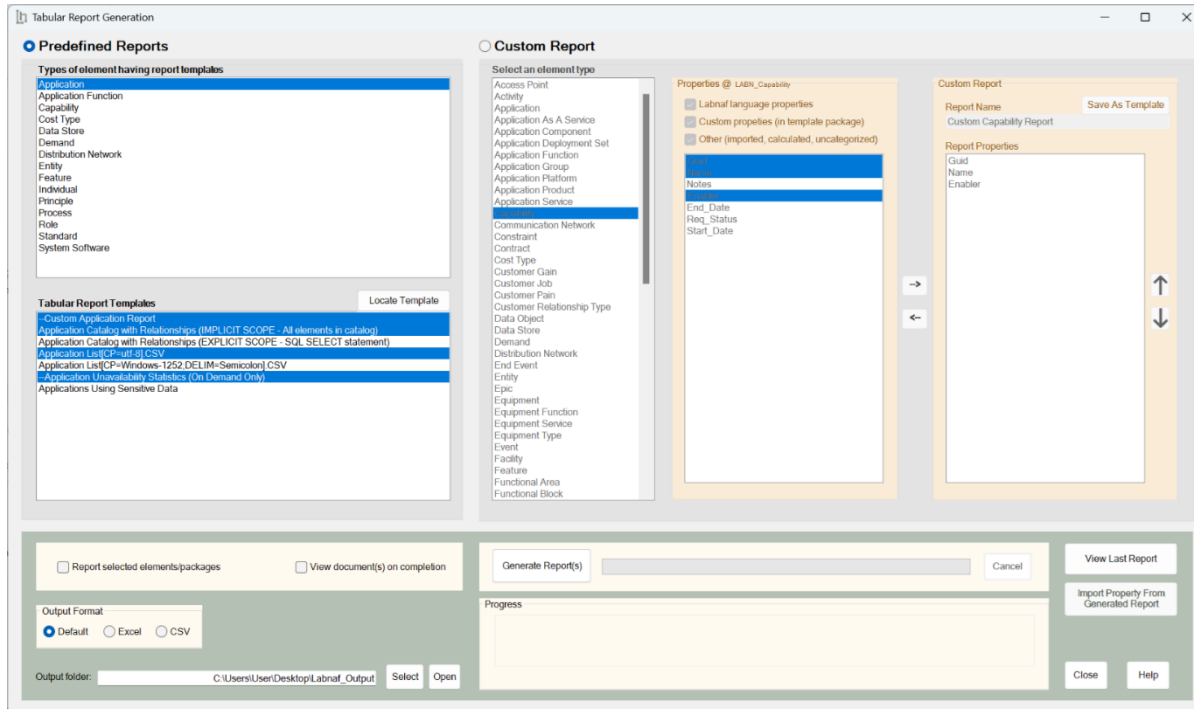
A. Generating Tabular Reports

B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



Reports generation can be performed... either **On Demand** or **Scheduled Periodically**



You can use predefined templates, or create custom reports that you can save as templates

Labnaf PowerShell Command: **GenerateTabularReports**

Usage : LNPS GenerateTabularReports [arguments]

Arguments:

- **SourceRepoPathName**
- **OutputDirectoryPath**
- **[ElementPrototype]**
- **[TabularReportTemplateName]**



To generate a CSV, add a '.CSV' extension to the tabular report template name.

The name of the CSV file can also define the CSV character encoding and column delimiter. For further information, see ['Inbound/Outbound Content Formatting'](#) on the Guidance Web Site

Scheduling

You can use either the built-in Labnaf scheduler, or the Windows task scheduler, or your own scheduler.

If you want a report to be ignored by the Labnaf PowerShell, then add the prefix "--" to its template name. The report can then be generated only on demand/ using the user interface.

- ▶  **--Application Unavailability Statistics (On Demand Only)**
- ▶  **Applications Using Sensitive Data**



Using Predefined Report Templates

Select the Templates

- Select an element type that has defined report templates
- Select tabular report templates

Select the Output Location and Format

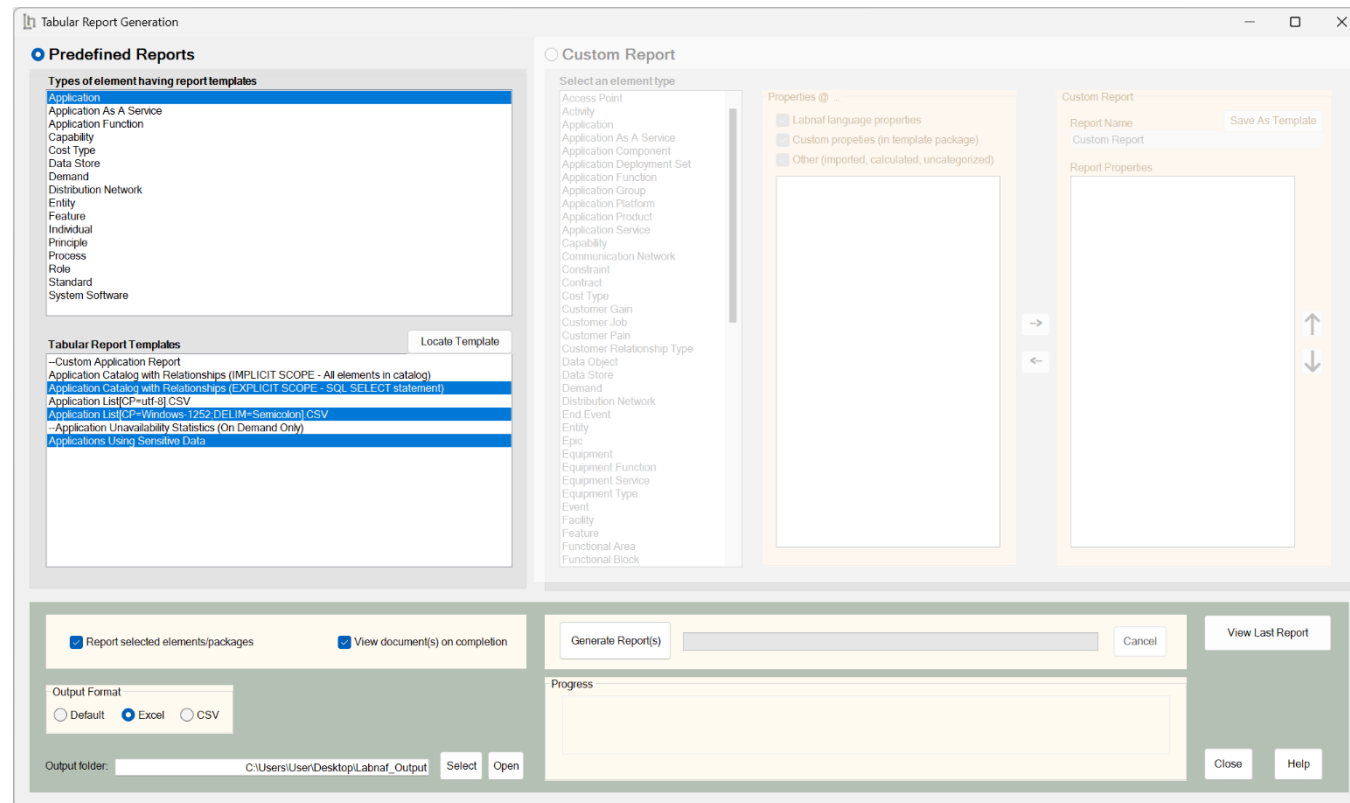
- Select an output folder (typically only once).
- Select an output format (Excel or CSV) i.e. not necessarily using the format defined by the templates.

Define the Scope

Options for defining a selection of elements (scope) to be reported

- Elements or packages selected in the project browser or in the active diagram
- Elements and packages present in a “scope” diagram that belongs to the template
- Elements selected by a SQL select defined in the template note
- All elements in the catalog (default)

If multiple scopes have been defined, then the above sequence corresponds to priorities



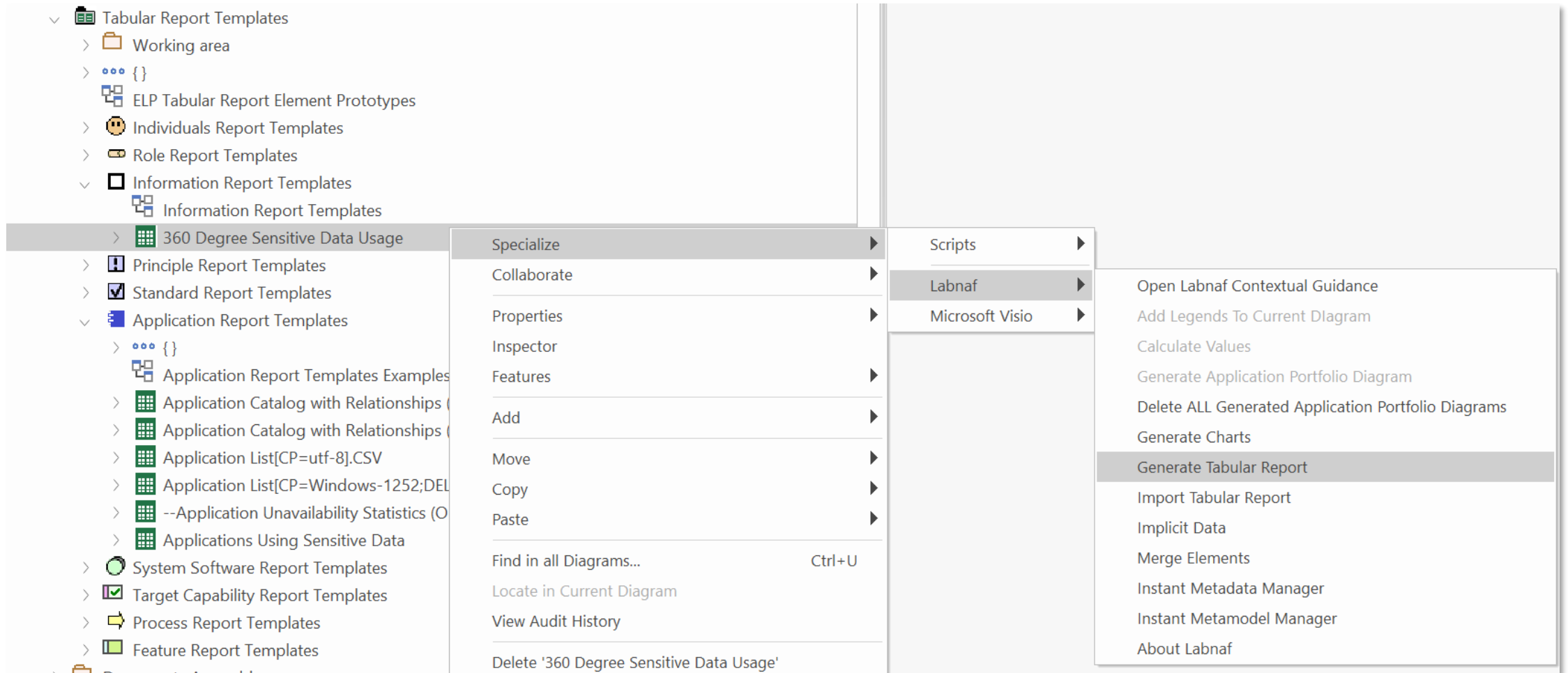
Generate Report(s)

- Generate reports from the selected templates.
- View the generated reports, or just the last one.
- Open the output folder to see all of generated reports.
- Open the “Log” folder that is located just underneath.
- Locate a selected template in the repository in case you want to make some changes, or if you want to clone and adapt it.



Using Predefined Report Templates (cont.)

You can also generate a report by selecting a template from the project browser or from a diagram



Generating Custom Reports

Define the Custom Report Content

- Select an element type
- Select properties
- Easily reorder properties

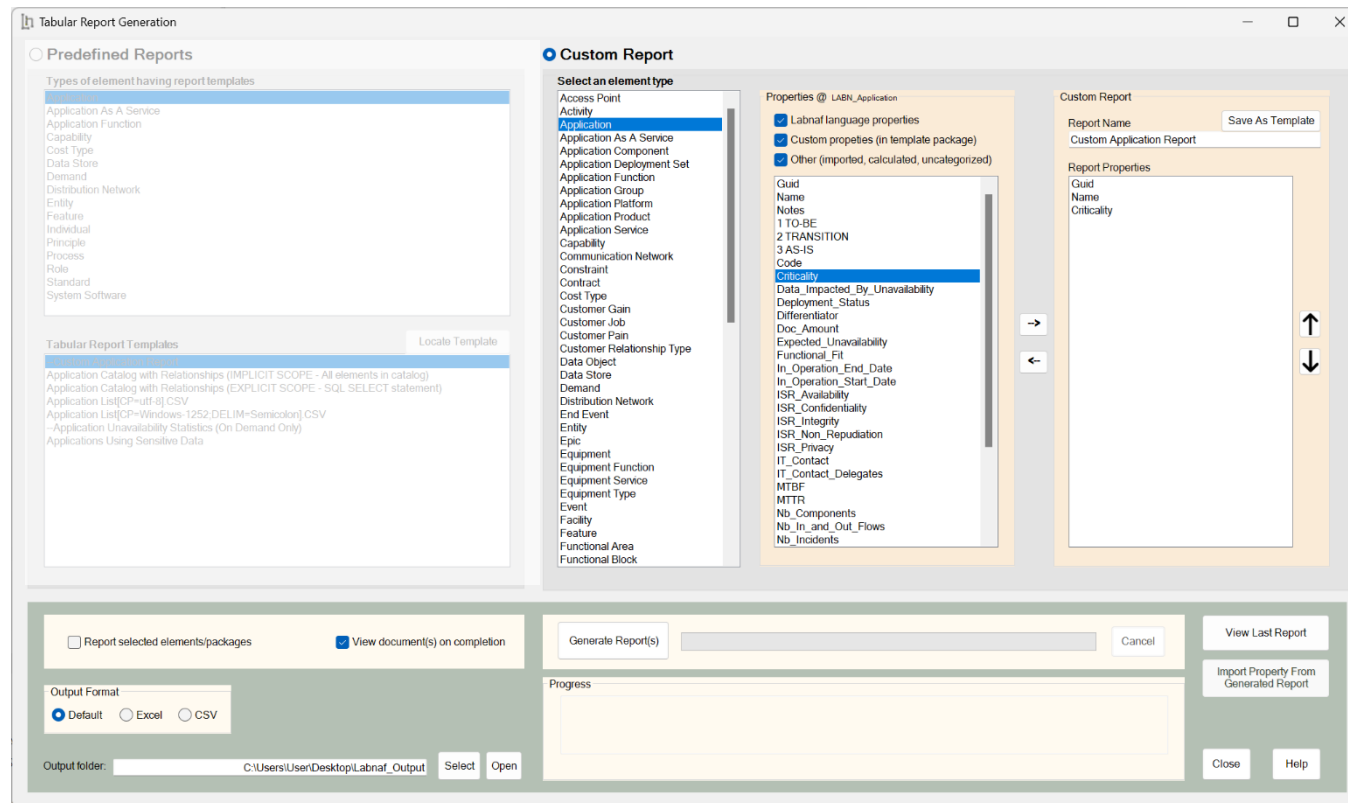
Select the Output Location and Format

- Select an output folder (typically only once).
- Select an output format (Excel or CSV) i.e. not necessarily using the format defined by the templates.

Define the Scope

Define a selection of elements (scope) to be generated (the sequence below corresponds to priorities)

- for elements or packages selected in the project browser (if any),
- or for elements or packages selected in the active diagram (if any),
- or for the entire catalog (default).



Generate, Edit, Import the Custom Report

- Generate and open Excel or CSV, edit values, and import the updates values on the fly if you wish.
- Save the custom report as a template
- Locate and edit the template content and colors, or change the scope of elements to be processed
- Open the output folder to see all the generated reports.
- Open the “Log” folder that is located just underneath.
- Locate a selected template in the repository in case you want to make some changes, or if you want to clone and adapt it.



Scheduling Tabular Reports Generation

See the
Labnaf PowerShell
documentation

[https://www.labnaf.one/EndUserMaterial/Labnaf PowerShell/](https://www.labnaf.one/EndUserMaterial/Labnaf_PowerShell/)



A. Generating Tabular Reports

B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



We will use the creation of an
Application Report Template
as an example



Predefined Report Templates: What can be configured?

Report Format: Excel or CSV (including character set and delimiters)

Grouping

Group Coloring

Optional column Rename

Connection Group Name

Automatic connection **consolidation** into parent element relationships

Group Name

Element Properties and/or Tagged Values (any sequence)

Optional automatic cell coloring following value

Filtering automatically set

Specific connection type in specific direction to connected element type(s)

Scope: Rule of any complexity for selecting the collection of elements to be reported (e.g. applications)

Scope(s): Where to find the hierarchy(ies) of connected elements. Types can be same or different at each level in the hierarchy

Type of Element to be Reported

Connections Specification

Overview:	Group	Name	Notes	IT_Contact	IT_Contact_Delegates	Value:	Criticality	Functional_Fit	Technical_Fit	Scores:	TCO	Doc_Amount	Nb_Supported_FBs	Nb_Components	Nb_In_and_Out_Flows	PtC_Unavailable	Nb_Users	Phase:	ASIS	TRANSITION	TO-BE	LifeCycle:	Vision	Deployment_Status	Start_Date	End_Date	Applications	
11DAC6	4	Active Directory		Grumpy		H	H	M		120	5	0	0	1	0	8	Y	Y	Y				Maintain	In Operation	2005-01-01	2099-12-31		
C23963	34	Aohrodite Djeimarkine		Grumpy		H	H	M		852	4	2	0	0	1	5	Y	N	N				Maintain	In Operation	2005-01-01	2099-12-31		
64E						M	M	M		430	2	1	0	0	100	Y	Y	Y										
78F						H	M	M		1250	38	4	5	3	1	50	N	Y	Y				Invest	re-Operation	2022-03-01	2099-12-31	X	
50A						M	H			69	0	0	0	0	0	50	Y	Y										
884						L	L			20	4	2	0	0	2	120	Y	N	N				Phase Out	In Operation	2020-03-02	2023-06-28		
085						M	M			45	6	3	0	0	5	120	Y	Y	N									
41E						L	M			25	50	4	4	6	5	100	Y	Y	N				Phase Out	In Operation	2005-01-01	2022-12-31		
469E						?	?			5	0	0	1	1	40	Y	Y	Y										
82A4FA	10	Customer Mobile Application		Dopey	Doc	H	M	M		0	1	6	0	3	50	N	N	Y					Invest	re-Operation	2022-01-01	2099-12-31		
E3ACE5	11	Demeter		Bashful		H	M	M		0	0	0	0	0	62	Y	Y	N					Maintain	In Operation	2005-01-01	2099-12-31		
C19E8D	12	Generic Web Browser				H	M	M		0	0	0	0	100	Y	Y	Y						Maintain	In Operation	2005-01-01	2099-12-31		
594294	13	Hera		Grumpy		H	M	M		0	0	0	0	8	Y	Y	Y						Invest	In Operation	2005-01-01	2099-12-31		
F876B9	48	Hermes Supplier Evaluation System				H	M	M		0	0	0	0	23	N	Y	Y						Invest	?	?	2022-05-01	2099-12-31	
BCF60F	15	Janus		H		H	M	M		0	0	0	0	62	N	Y	Y						New	Idea	2023-01-01	2099-12-31		
52DF5A	65	Jira				H	M	M		0	2	1	1	15	Y	Y	Y											
8C4817	16	Jupiter Cash Desk		Sneezy		H	M	M		0	0	0	0	100	Y	Y	N						Phase Out	In Operation	2005-01-01	2023-12-31	X	
E176F7	9	Labnaf Powered by Sparx Systems Platform				H	M	M		19	0	80	Y	Y	Y	Y							Invest	In Operation	2005-01-01	2099-12-31		
8AF55	17	LOGIN		D		H	M	M		0	0	0	0	50	Y	Y	Y						Maintain	In Operation	2005-01-01	2099-12-31		
241C10	14	Mail Server		Bashful		H	M	M		1	2	0	0	8	Y	Y	Y						Maintain	In Operation	2005-01-01	2099-12-31		
2E9A2E	18	Mars		Doc	Happy	H	M	L		78	2	1	0	0	0	50	Y	Y	?				Maintain	In Operation	2005-01-01	2099-12-31		
9E8DC2	19	Mars WebApp		Grumpy	Sneezy	M	M	M		65	0	0	0	0	1	100	Y	Y	?				Maintain	In Operation	2005-01-01	2099-12-31		
86F870	3	Microsoft Office		Happy	Sneezy	M	M	H		49	3	0	1	0	100	?	?	?					Maintain	In Operation	2005-01-01	2099-12-31		
245816	20	Minerva Card Payment		Sneezy	Dopey	H	M	L		867	15	1	1	2	0	8	Y	Y	Y				Invest	In Operation	2005-01-01	2099-12-31		
80CE1B	21					H	M	L																				
58F850	22					H	M	L																				
01CC8C	23					H	M	L																				
08C79E	66	Service				H	M	L																				
31D341	24	Venus Cash				H	M	L																				
9100EC2	26	Vesta				H	M	L																				
DC3FE5	27	Vulcan Communicati				H	M	L																				
C70C6F	68	Warehouse				H	M	L																				
6FF363	28	Zeus				H	M	L																				
265413	32	Zeus Convergent Media				H	M	L																				
12DE5C	33	Zeus Mobile Synchronization		Dopey	Doc	M	M	H		674	0	0	0	0	0	62	Y	Y	Y				Maintain	In Operation	2005-01-01	2099-12-31		
15E7F3	29	Zeus MRC		Bashful	Grumpy	M	M	M		901	0	0	0	0	0	50	Y	Y	Y				Maintain	In Operation	2005-01-01	2099-12-31		
31D8A7	31	Zeus Pricing		Doc Brown	Bashful	H	L	L		2412	12	1	0	2	1	50	Y	Y	Y				Invest	In Operation	2005-01-01	2099-12-31		
0A152A	30	Zeus Sales Records Management				H	M	L																				



A. Generating Tabular Reports

B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



3 alternative scenarios for Starting a New Tabular Report Template

**Custom
Report**

Save a custom report as a template



**Clone &
Edit**

Clone and adapt an existing template



**Model the
Structure**

Model the tabular report structure



Then complete/adapt the report template...

- Select the collection of elements to be reported (default = entire catalog)
- Define the properties to be reported
- Define the connections/relationships to be reported



A. Generating Tabular Reports

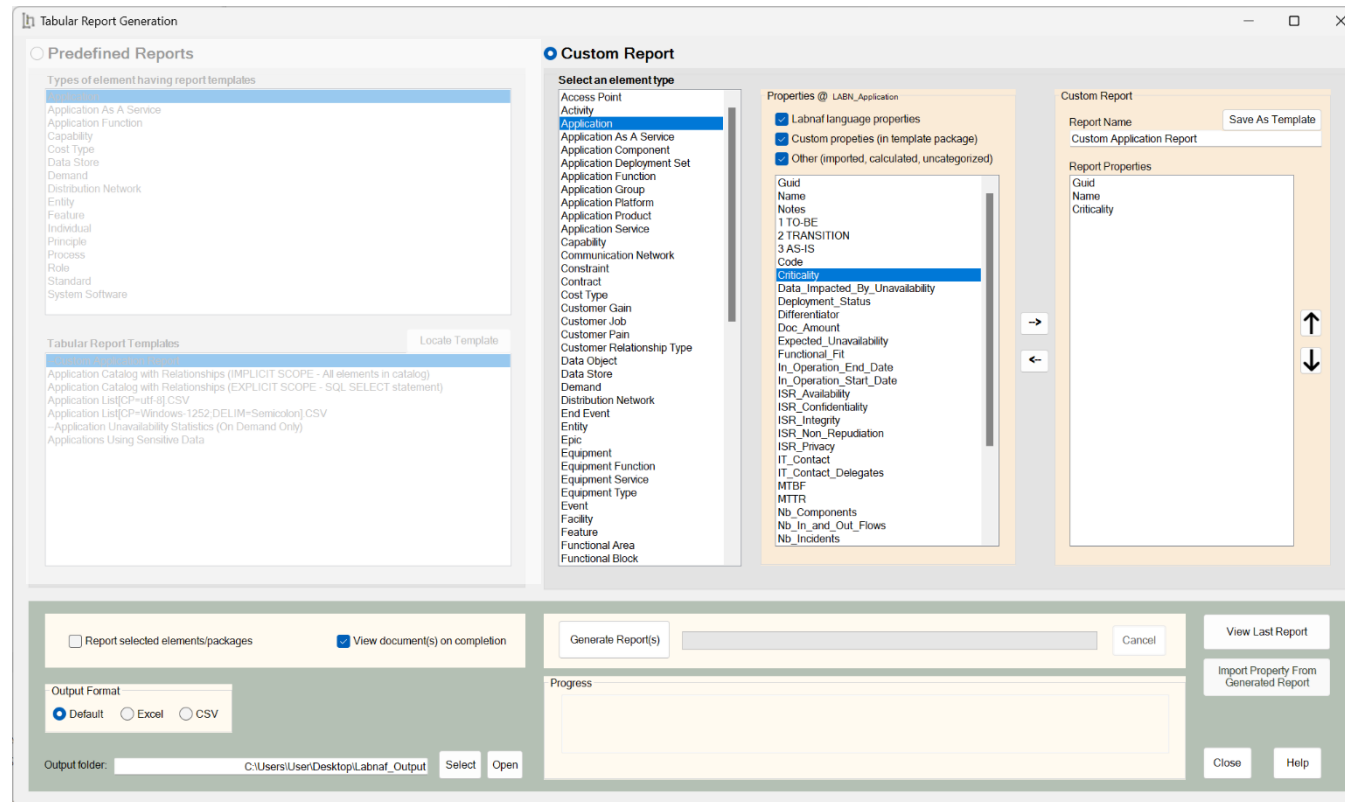
B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



Creating a Template using the « Custom Reports » option

1. Create a custom report as described earlier in « **Generating Custom Reports** » in the present document.
2. Name the report and click « Save as Template »
3. Locate and edit the template content and colors, or change the scope of elements to be processed as described further in the present document



A. Generating Tabular Reports

B. Creating Tabular Report Templates

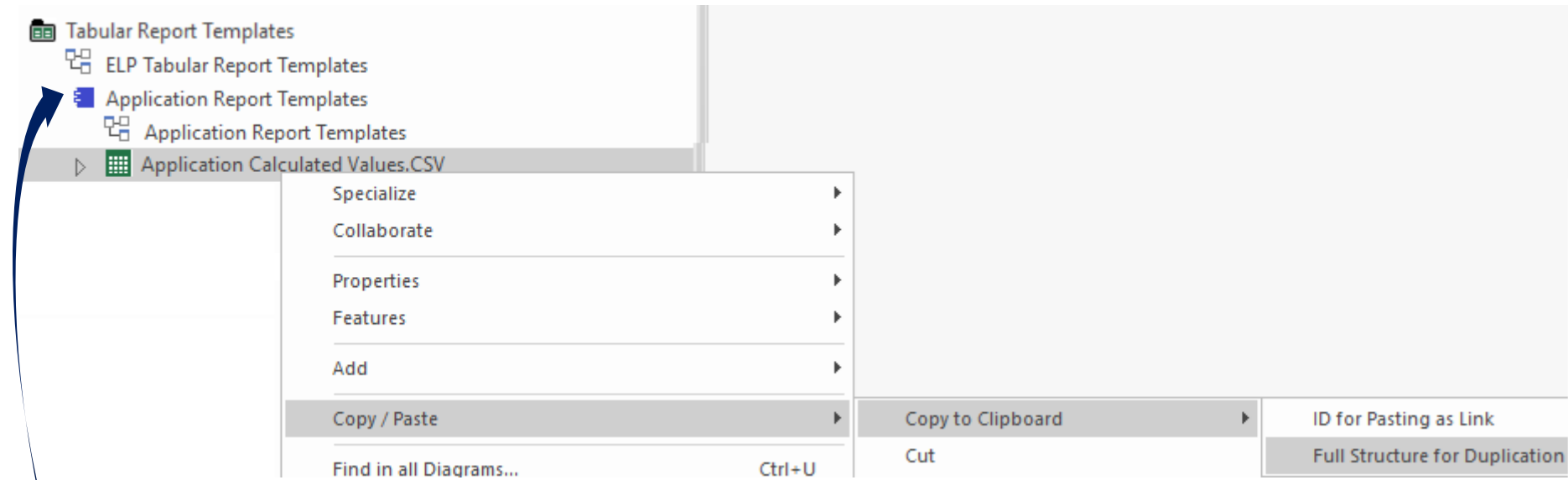
1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary





Cloning and adapting an existing template

- Copy an existing application report template



- Paste into the Tabular Report Templates Folder (must be a folder/package)
- Rename the new Tabular Report Template
- Move it into the appropriate element prototype
- Add/remove the content you need.



A. Generating Tabular Reports

B. Creating Tabular Report Templates

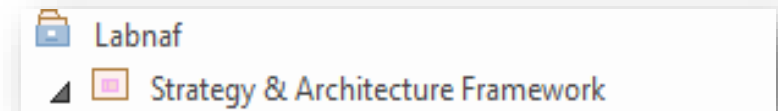
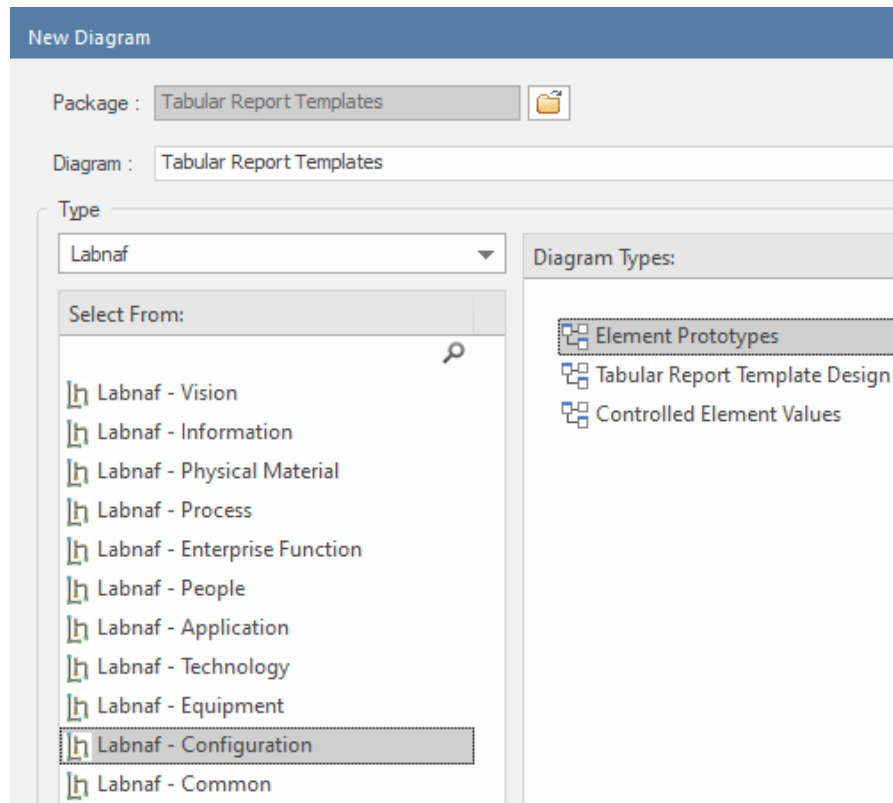
1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



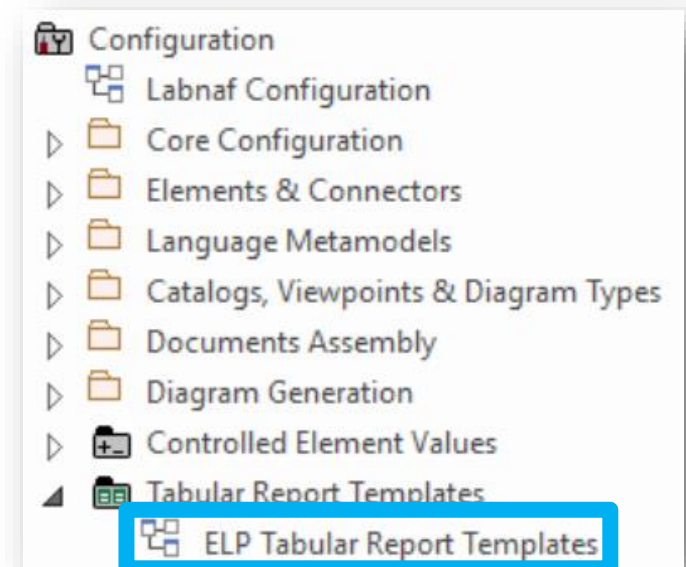
Define the type of element to be reported...



- If it does not exist yet, create a diagram of type “Element Prototypes”
- Name it, for example, “ELP Tabular Report Templates”



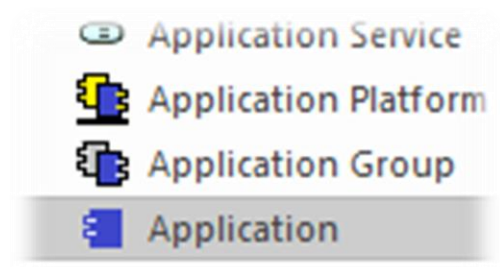
:



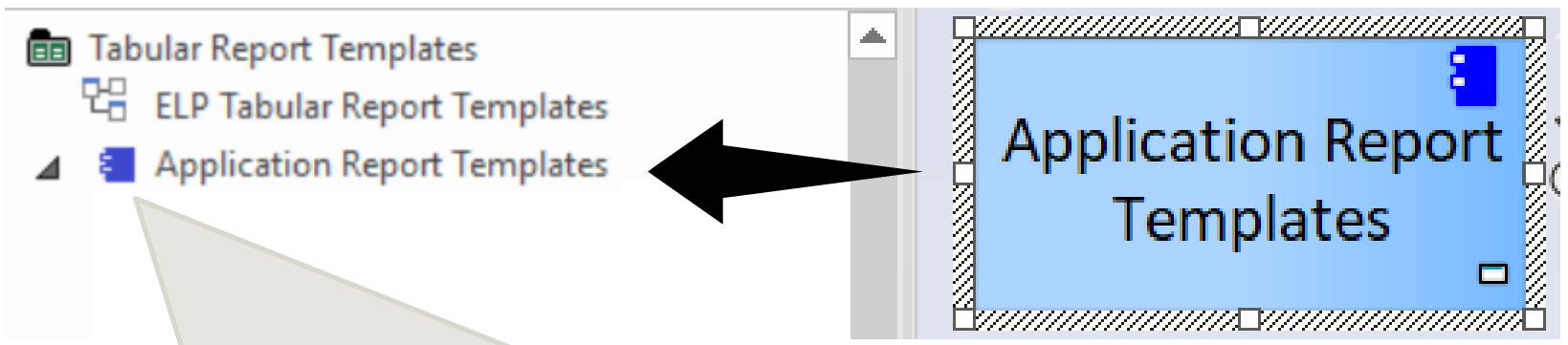


... using an element prototype

- Select an element in the toolbox
You need only one element prototype of each type. But you can have more, for example, to further classify your report templates.
- Name the element prototype for example “Application Report Templates”



Type of element to be reported

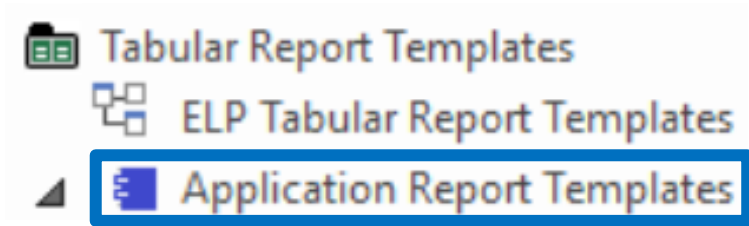


This is an **element prototype** that will group all the application report templates (Excel and CSV).
By default, the Labnaf PowerShell periodically generates all reports for all element prototypes contained in the “Tabular Report Templates” folder. But you can be selective as well.



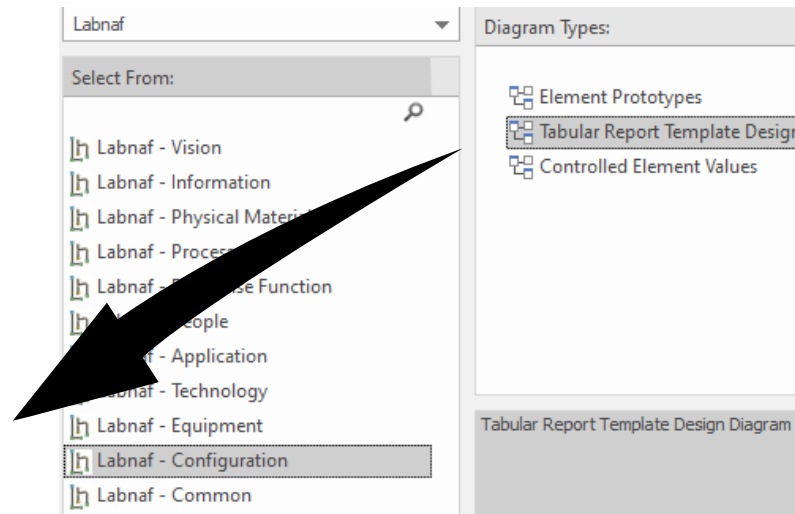


Add a diagram for creating your Application Report Templates



Right click on the element prototype and select **“Add Diagram”**

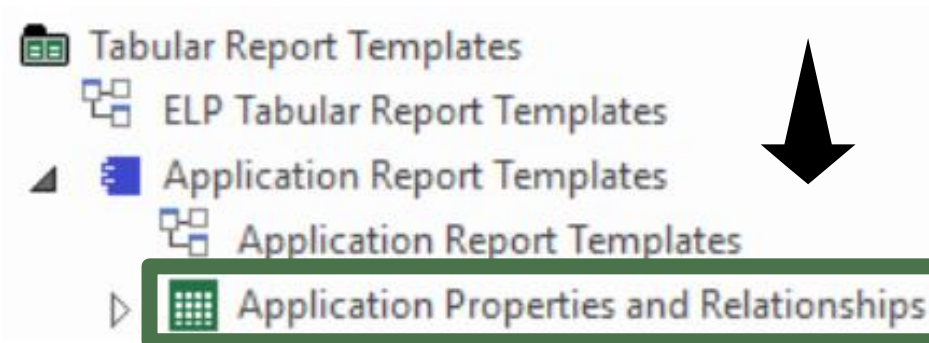
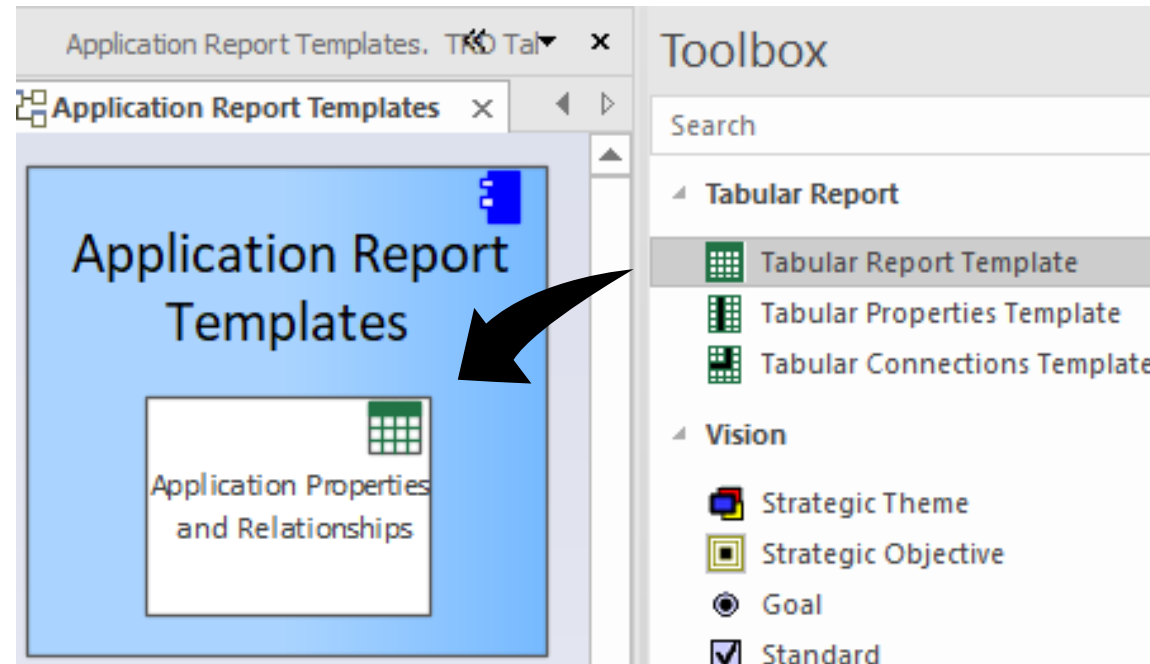
Under **“Labnaf Configuration”**, select **“Tabular Report Template Design”**



Add a report template from the toolbox



... and name it, for example, "Application Properties and Relationships"



Complete/Adapt the New Tabular Report Template...



A. Generating Tabular Reports

B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



Scope of Reported Elements (rows)



Selecting the

Collection of Elements

to be Reported

{5B 5	Ares
{78 6	Athena Cash Desk
{D6 8	Bellona ESB
{39 7	CMDB
{C4 10	Custom Mail Application
{23 11	Demeter
{39 12	Generic Web Browser
{3E 13	Hera
{1C 15	Janus
{F9 16	Jupiter Cash Desk
{69 9	Labnaf Powered by Enterprise Architect
{6D 17	LOGIN B2B
{3D 14	Mail Server
{F7 18	Mars
{F8 19	Mars WebApp



Defining a selection of elements (scope) to be reported

Options that can be defined in the template

1. Elements and packages present in a “scope” diagram that belongs to the template
2. Elements selected by some SQL select defined in the template
3. All elements in the catalog (default)

If multiple scopes have been defined, then the above sequence corresponds to priorities

Additional option when the report is generated from the user interface

- Report only elements or packages selected in the project browser or in the active diagram

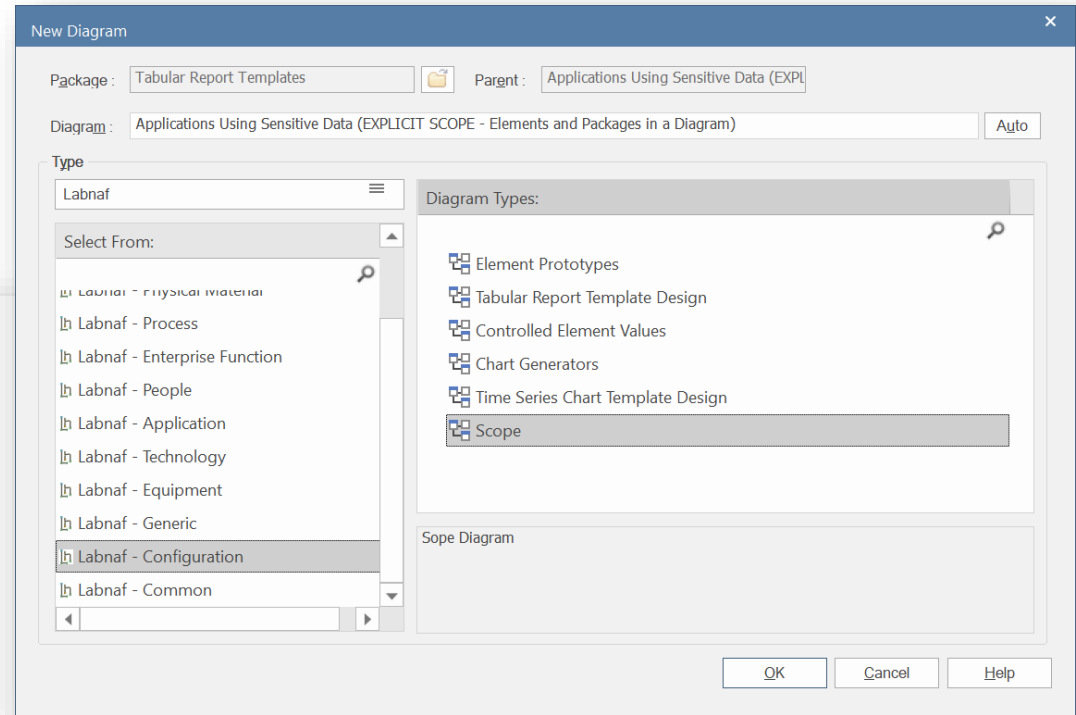
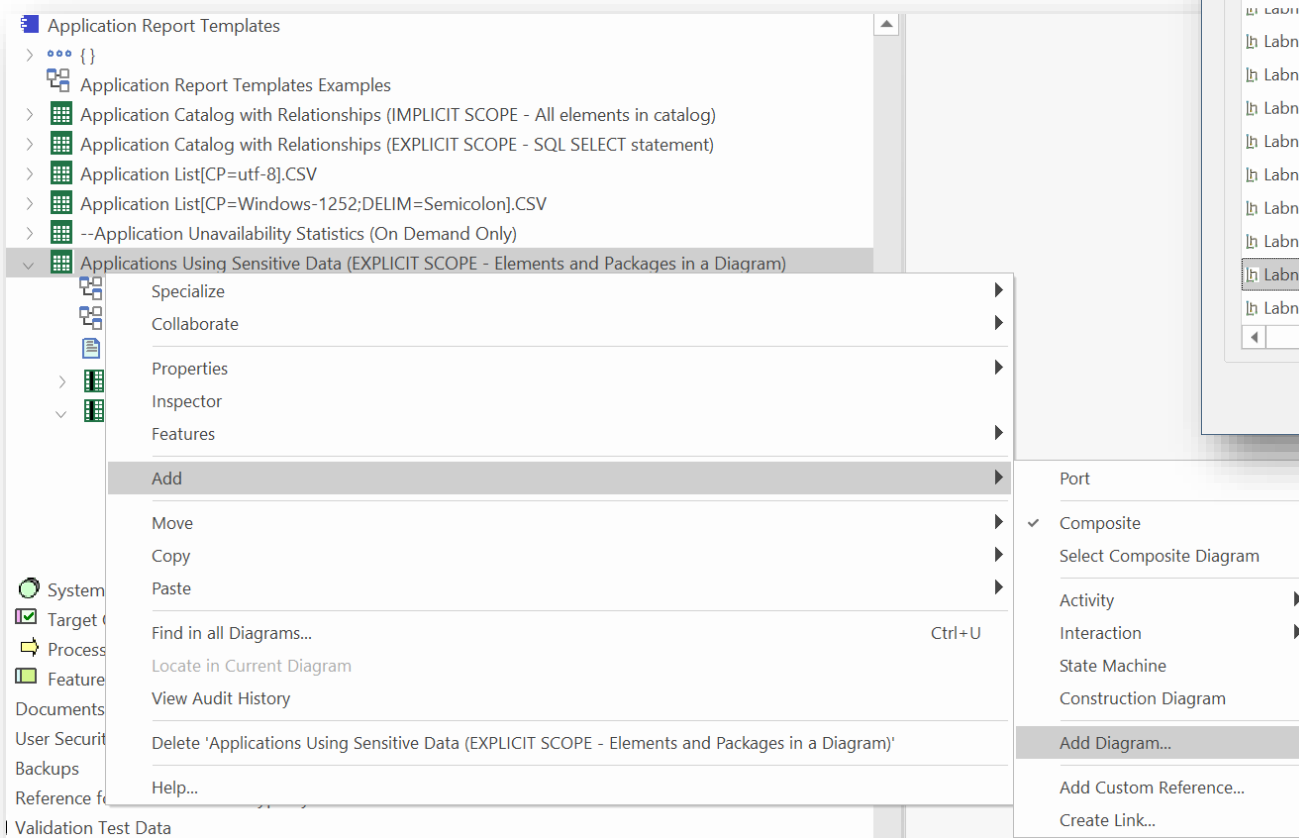
When selected, this option overrides all the other ones.



1. Scope Diagram

Creating a “scope” diagram defining the collection of element to be reported

- Select a tabular report template and add a « Scope » diagram



1. Scope Diagram

Populate the Scope diagram

Add the elements and packages to be reported to the scope diagram
=> the collected elements are

- Elements and packages of elements (including sub-elements) in the scope diagram
- that have the same stereotype as the parent element prototype

Stereotype = 'LABN_Application'

Application Report Templates

- Application Report Templates Examples
- Application Catalog with Relationships (IMPLICIT SCOPE - All elements in catalog)
- Application Catalog with Relationships (EXPLICIT SCOPE - SQL SELECT statement)
- Application List[CP=utf-8].CSV
- Application List[CP=Windows-1252;DELIM=Semicolon].CSV
- Application Unavailability Statistics (On Demand Only)
- Applications Using Sensitive Data (EXPLICIT SCOPE - Elements and Packages in a Diagram)
 - TRD Application Carrying Sensitive Data
 - SCP Applications Using Sensitive Data (EXPLICIT SCOPE - Elements and Packages in a Diagram)
 - Sample Report - Applications Using Sensitive Data.xlsx
- Overview
- Information Security Requirements
 - ISR_Availability:Availability Requirements
 - ISR_Confidentiality:Confidentiality Requirements
 - ISR_Integrity:Integrity Requirements
 - ISR_Non_Repudiation:Non_Repudiation Requirements
 - ISR_Privacy:Privacy Requirements

Scope Diagram

L-Z

- Labnaf Powered by Sparx Systems Platform
- LOGIN
- Mail Server
- Mars
- Microsoft Office
- Minerva Card Payment
- MyCo
- Neptune
- Poseidon
- Service Now
- Venus Cash Desk
- Vesta Web
- Vulcan Communication BE
- Warehouse Plus
- Zeus

Elements

Packages of Elements

L-Z

- APL Applications L-Z
 - Labnaf Powered by Sparx Systems Platform
 - LOGIN
 - Mail Server
 - Mars
 - Microsoft Office
 - Minerva Card Payment
 - MyCo
 - Neptune
 - Poseidon
 - Service Now
 - Venus Cash Desk
 - Vesta Web
 - Vulcan Communication BE
 - Warehouse Plus
- Zeus
 - APL Zeus Application Platform Contents
 - Zeus Backend
 - Zeus CCE
 - Zeus MRC
 - Zeus Sales Records Management
 - Zeus Orchestration
 - Zeus Pricing
 - Zeus Convergent Mediation
 - Zeus Mobile Synchronization

Sub-elements in package

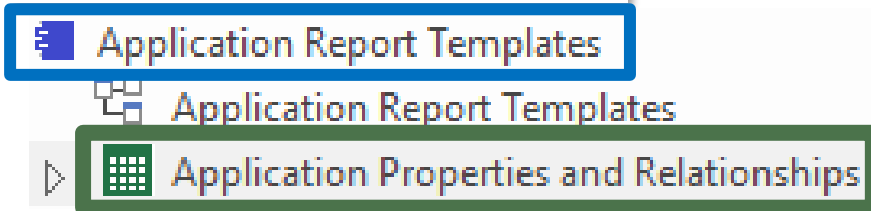
Elements selected by the scope diagram in the generated report

Overview:	Guid	Name	Information Security Requirements:	Privacy Requirements	Confidentiality Requirements	Integrity Requirements	Availability Requirements	Non_Repudiation Requirements
:78F998}		Athena Order Management		2	2	2	2	2
4168FC}		CMDB		0	2	2	2	0
82A4FA}		Customer Mobile Application		0	0	2	2	0
E176F7}		Labnaf Powered by Sparx Systems Platform		0	2	2	2	0
:BAFF55}		LOGIN						
:241C10}		Mail Server						
2E9A2E}		Mars						
9E8DC2}		Mars WebApp						
:B6F870}		Microsoft Office						
:245816}		Minerva Card Payment		2	2	2	2	2
80CE1B}		MyCo						
:58F850}		Neptune						
01CC8C}		Poseidon						
:08C79E}		Service Now						
31D341}		Venus Cash Desk		2	2	2	2	2
9D0EC2}		Vesta Web						
DC3FE5}		Vulcan Communication BE						
:C70C6F}		Warehouse Plus						
36FF363}		Zeus CCE		0	0	2	2	0
:265413}		Zeus Convergent Mediation						
12DE5C}		Zeus Mobile Synchronization						
:15E7F3}		Zeus MRC						
31D8A7}		Zeus Pricing						
DA152A}		Zeus Sales Records Management						



Custom SQL for selecting the collection of elements to be reported.

By default, all elements with the same stereotype as the element prototype are selected.



The "Notes" property of the Tabular Report Template can contain some SQL SELECT statement. That SQL statements selects the elements that need to be included in the report.

```
Notes
B I U A x² x₂
/* Selection in a 2 levels hierarchy of packages using a variable to be defined as
an attribute in the "(((ModelingLanguageConfiguration)))" element */
SELECT * FROM t_object o
WHERE stereotype='LABN_Application'
AND o.Package_ID IN
(SELECT package1.package_ID FROM t_package package1
LEFT JOIN t_package package2 ON package2.package_id = package1.parent_id
WHERE package2.ea_guid = '#MyParentApplicationPackageGUID#')
ORDER BY Name
```

With professional database engines, that SELECT statement can reach a level of sophistication that goes way beyond users' requirements.

Access databases, on the other hand, have some limitations, but it is still usually sufficient to implement most use cases. Access databases are anyway not designed for running on professional database servers.



Sample SQL Statements

```
/* Selection in a 2 levels hierarchy of packages */
SELECT * FROM t_object o
WHERE stereotype='LABN_Application'
AND o.Package_ID IN
(SELECT package1.package_ID FROM t_package package1
LEFT JOIN t_package package2 ON package2.package_id = package1.parent_id
WHERE package2.ea_guid = '#uMyVariableContainingAPackageGUID#')
ORDER BY Name

/* selection in a set of packages
SELECT * FROM t_object WHERE stereotype ='LABN_Application' AND package_ID=550
UNION
SELECT * FROM t_object WHERE stereotype ='LABN_Application' AND package_ID=1126
*/

/* Ordered selection in a set of packages (Access only)
SELECT * FROM (
SELECT * FROM t_object WHERE stereotype ='LABN_Application' AND package_ID=550
UNION
SELECT * FROM t_object WHERE stereotype ='LABN_Application' AND package_ID=1126
)
ORDER BY NAME
*/
```

Statement can include comments

```
/* my comment */
```

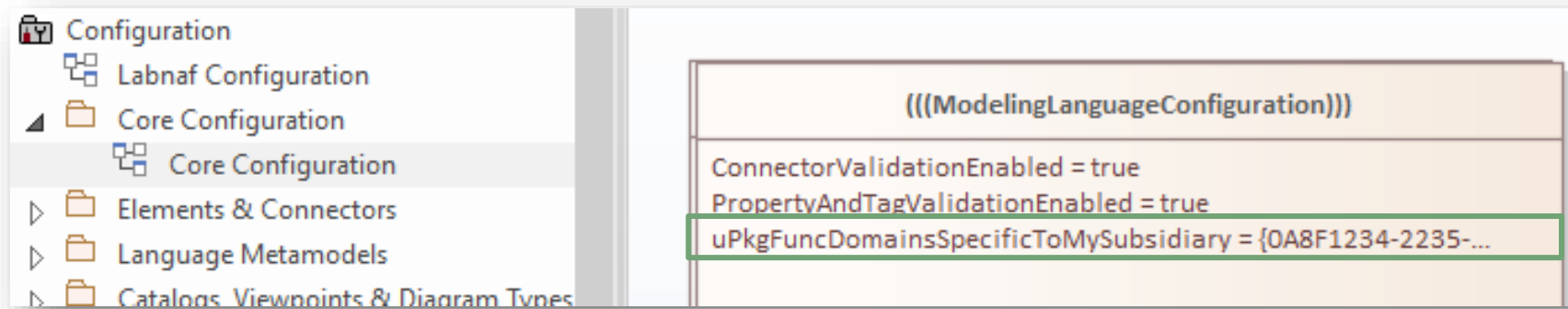


These SQL statements can include variables

Variables defined in the core configuration can be used in SQL statements. You can add your own variables.

User-define variable must start with the letter 'u'

Example: A user-defined variable containing the GUID of a package:



Usage of the user-defined variable in a SQL statement:

```
select * from t_object o inner
join t_package p on o.package_id = p.package_id
where o.ParentID = 0 and o.stereotype like 'LABN_%'
and p.ea_guid = '#uPkgFuncDomainsSpecificToMySubsidiary#'
ORDER BY o.Name
```



Default Scope = All elements in the catalog

By default, all elements with the same stereotype as the element prototype “LABN_XXX” are selected from the related catalog with stereotype “LNCAT_XXX”.

```
SELECT * FROM t_object WHERE stereotype = 'LABN_Application'  
AND Package_ID IN  
(SELECT PDATA1 from t_object  
where Object_Type='Package' and Stereotype = 'LNCAT_Application')  
order by Name
```

 Application Report Templates

 Application Report Templates

 Application Properties and Relationships

A catalog is a set of packages (folders) with a specific stereotype



A. Generating Tabular Reports

B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



Properties

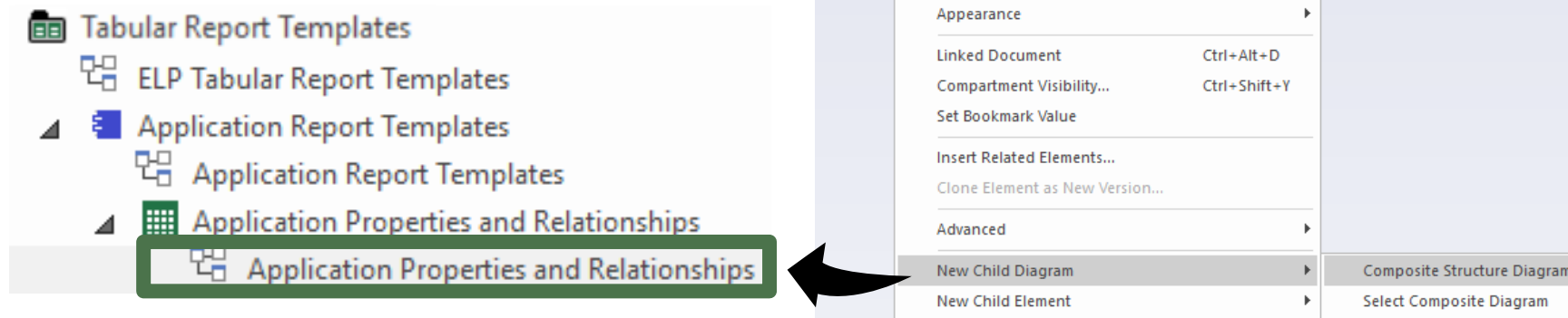
Reporting Element

Properties and Tagged Values



Add a diagram to enter properties and connections to the report template

Right click on the report template and select “**New Child Diagram > Composite Structure Diagram**”

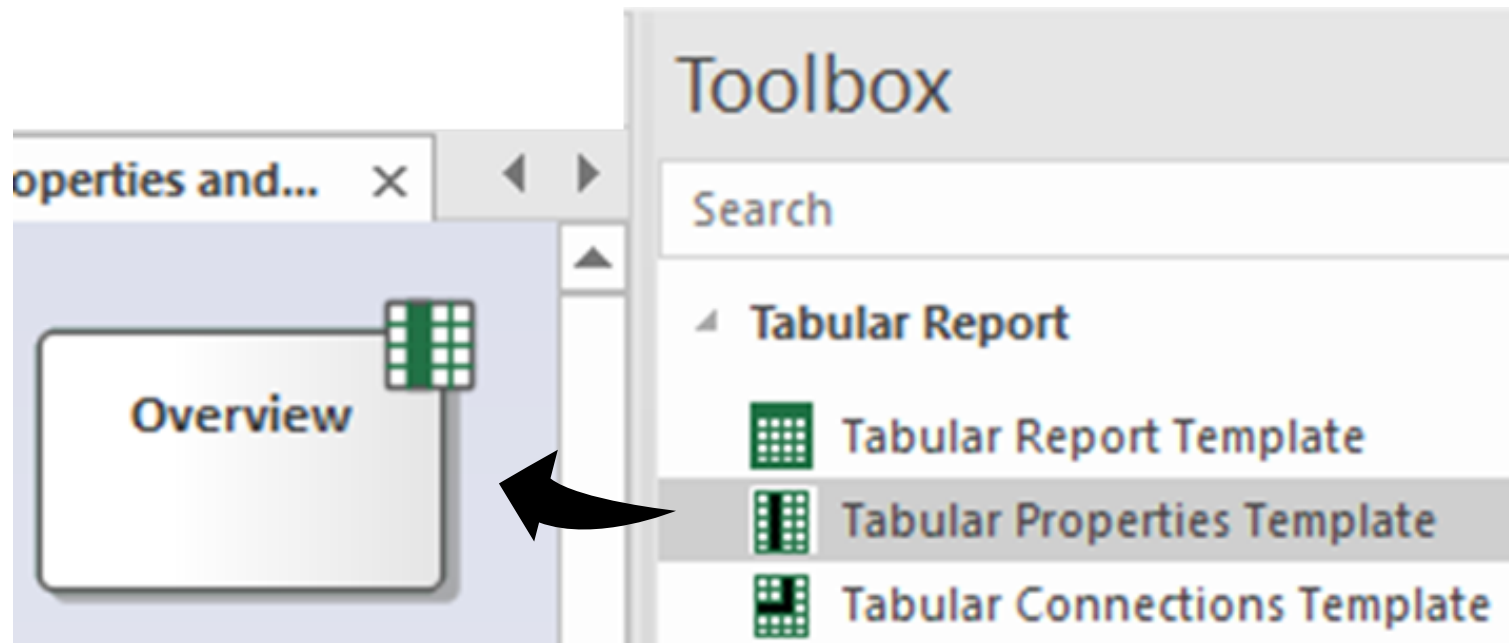


=> A new **Tabular Report Template Design** diagram has been created



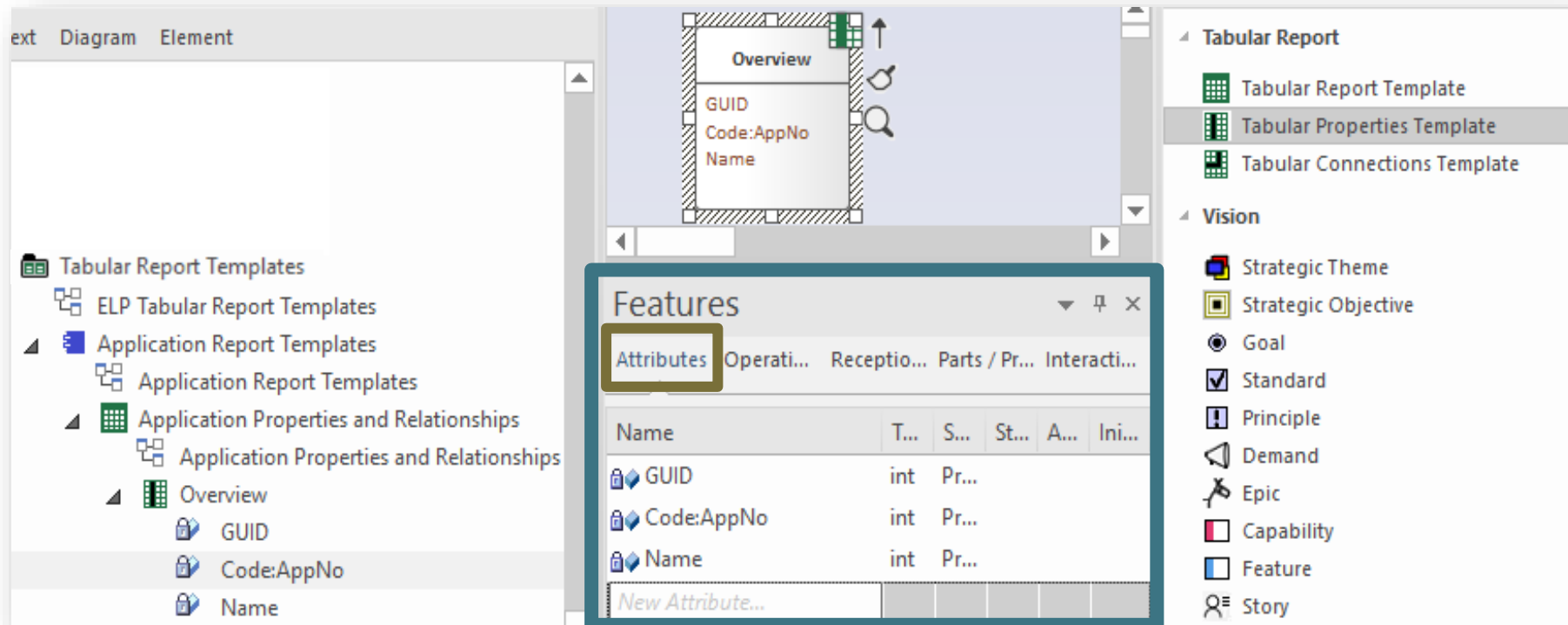
Add a “Tabular Properties Template” to the new Tabular Report Template Design diagram

.... and name it for example “Overview”



Add Properties

- Select the Tabular Properties Template in the diagram
- Press F9 to open the “**Features / Attributes**” window
- Enter the desired property and/or tagged value **names**



Add Properties (cont.)

In the output tabular reports...

Background element colors will be assigned to property column groups.

If an element appears in more than one diagram the color is selected from the first diagram found.

If such diagram exists under the Tabular Report element then this diagram takes precedence.

The color cannot be the default element color (otherwise it will be blank).

Element **Properties** and/or **Tagged Values** (any sequence)

Type CTRL + Up or Down Arrow to change the sequence in the report

Group Coloring

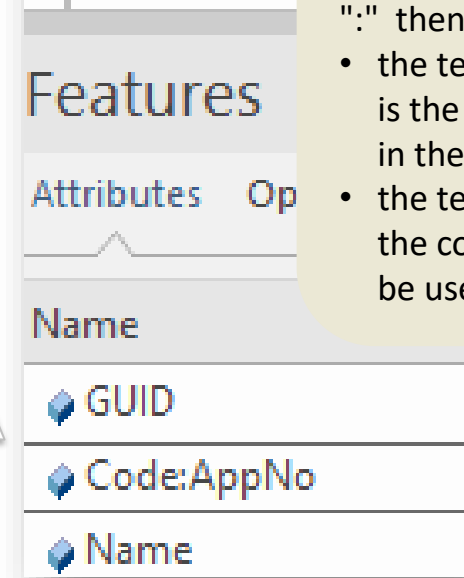
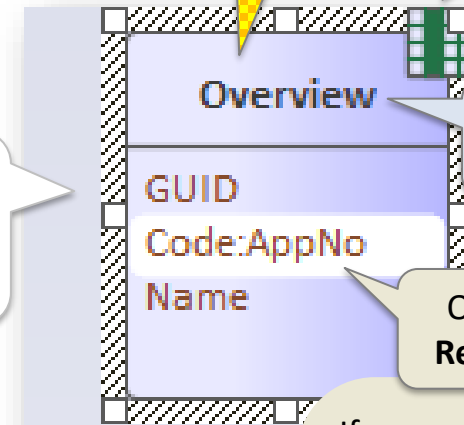
Grouping (Tabular Properties Template)

Group Name

Optional Renaming

If a property name includes the character ":" then

- the text before the ":" is the property name in the repository
- the text after the ":" is the column name to be used in the report



Adding more groups of properties and/or tagged values

Generate

Application Properties and Relationships

- Application Properties and Relationships
 - Overview
 - Guid
 - Code:AppNo
 - Name
 - Notes
 - IT_Contact
 - IT_Contact_Delegates
 - Value
 - Criticality
 - Functional_Fit
 - Technical_Fit
 - Scores
 - TCO
 - Doc_Amount
 - Nb_Supported_FBs
 - Nb_Components
 - Nb_In_and_Out_Flows
 - Pct_Unavailable
 - Nb_Users
 - Plateaus
 - 3 AS-IS:AS-IS
 - 2 TRANSITION:TRANSITION
 - 1 TO-BE:TO-BE
 - Lifecycle
 - Vision
 - Deployment_Status

Tabular Properties Templates

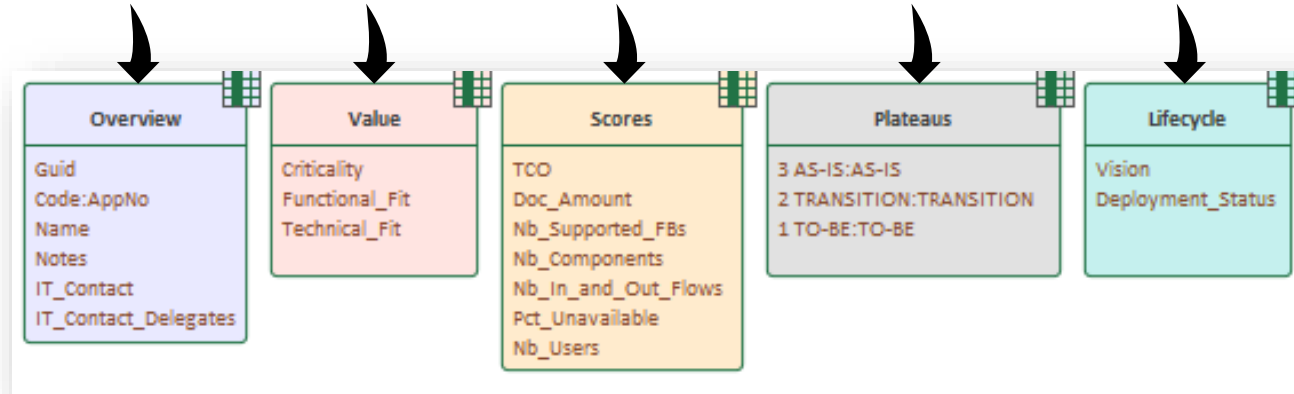
Resulting Groupings

Overview	Guid	AppNo	Name	Notes	IT_Contact	IT_Contact_Delegates	Value	Functional_Fit	Technical_Fit	Scores	TCO	Doc_Amount	Nb_Supported_FBs	Nb_Components	Nb_In_and_Out_Flows	Pct_Unavailable	Nb_Users	Plateaus	AS-IS	TRANSITION	TO-BE	Lifecycle	Vision	Deployment_Status
{3F:4			Active Directory		Bashful	Grumpy	M	H	M	120	5	0	0	1	0	8		Y	Y	Y		Maintain	In Operation	
{0A:34			Aphrodite Digimarketing		Doc	Happy	H	H	M	852	4	2	0	0	1	5		Y	N	N		Maintain	In Operation	
{5B:5			Ares		Grumpy	Sneezy	L	M	M	430	2	1	0	0	0	100		Y	Y	Y		Maintain	In Operation	
{78:6			Athena Cash Desk		Happy	Sleepy	M	M	M	1250	33	3	5	2	1	50		N	Y	Y		Invest	Pre-Operation	
{D6:8			Bellona ESB		Sneezy	Dopey	M	M	H	69	0	0	0	0	0	50		Y	Y	Y		Maintain	In Operation	
{39:7			CMDB		Sleepy	Bashful	M	M	L	258	50	4	4	6	5	100		Y	Y	N		Phase Out	In Operation	



Group Ordering

The sequence of elements being added in the diagram defines the sequence in the report



Resulting Group Ordering

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Overview	Guid	AppNo	Name	Notes	IT_Contact	IT_Contact_Delegates	Value	Criticality	Functional_Fit	Technical_Fit	Scores	TCO	Doc_Amount	Nb_Supported_FBs	Nb_Components	Nb_In_and_Out_Flows	Pct_Unavailable	Nb_Users	Plateaus	AS-IS	TRANSITION	TO-BE	Lifecycle	Vision	Deployment_Status
{3F:4	Active Directory			Bashful	Grumpy		M	H	M		120	5	0	0	0	1	0	8		Y	Y	Y		Maintain	In Operation
{0A:34	Aphrodite Digimarketing			Doc	Happy		H	H	M		852	4	2	0	0	0	1	5		Y	N	N		Maintain	In Operation
{5B:5	Ares			Grumpy	Sneezy		L	M	M		430	2	1	0	0	0	0	100		Y	Y	Y		Maintain	In Operation
{78:6	Athena Cash Desk			Happy	Sleepy		M	M	M		1250	33	3	5	2	1	50		N	Y	Y		Invest	Pre-Operation	
{D6:8	Bellona ESB			Sneezy	Dopey		M	M	H		69	0	0	0	0	0	0	50		Y	Y	Y		Maintain	In Operation
{39:7	CMDB			Sleepy	Bashful		M	M	L		258	50	4	4	6	5	100		Y	Y	N		Phase Out	In Operation	



Auto-coloring cells following their value

Numeric and date cells are formatted according to the recognized data type.

Numeric cells can be automatically colored by setting parameters in the attribute's Initial Value.

Parameters are separated by a semi-column (";").

Recognized parameters are (in any order):

- **Autocolor** => numbers will be colored following a green to red scale where the **lowest** value is best, this being colored in green
- **HighestIsBest** => Coloring is reversed i.e. numbers will be colored following a green to red scale where the **highest** value is best, this being colored in green

Name	Initial Value
TCO	Autocolor
Doc_Amount	Autocolor;HighestIsBest
Nb_Supported_FBs	
Nb_Components	
Nb_In_and_Out_Flows	
Pct_Unavailable	Autocolor
Nb_Users	

L	M	N	O	P	Q	R	S
Scores:	TCO	Doc_Amount	Nb_Supported_FBs	Nb_Components	Nb_In_and_Out_Flows	Pct_Unavailable	Nb_Users
120	5	0	0	1	0	8	
852	4	2	0	0	1	5	
430	2	1	0	0	0	100	
1250	38	4	5	3	1	50	
69	0	0	0	0	0	50	
20	4	2	0	0	2	120	
45	6	3	0	0	5	120	
258	50	4	4	6	5	100	
5	20	1	6	0	3	50	
545	4	2	0	0	0	62	
62	3	0	1	0	0	100	
254	4	2	0	0	0	8	
56	2	1	0	0	0	23	
455	2	1	0	0	0	62	
10	0	0	2	0	0	15	
66	6	3	0	0	0	100	
2	136	4	11	19	0	80	
5	2	1	0	0	0	50	
9	13	0	1	2	0	8	
78	2	1	0	0	0	50	
65	0	0	0	0	1	100	
49	3	0	1	0	0	100	
867	15	1	1	2	0	8	
240	0	0	0	0	0	100	
510	2	1	0	0	2	62	
95	0	0	0	0	1	50	
10	0	0	2	0	0	12	
1503	17	1	0	3	0	62	
57	2	1	0	0	1	50	
1564	25	2	2	3	1	50	
4856	0	0	0	0	0	3	
56	3	0	1	0	4	8	
173	0	0	0	0	1	50	
674	0	0	0	0	0	62	
901	0	0	0	0	0	50	
2412	12	1	0	2	1	50	
55	18	2	3	1	0	100	



A. Generating Tabular Reports

B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



Connections

Reporting

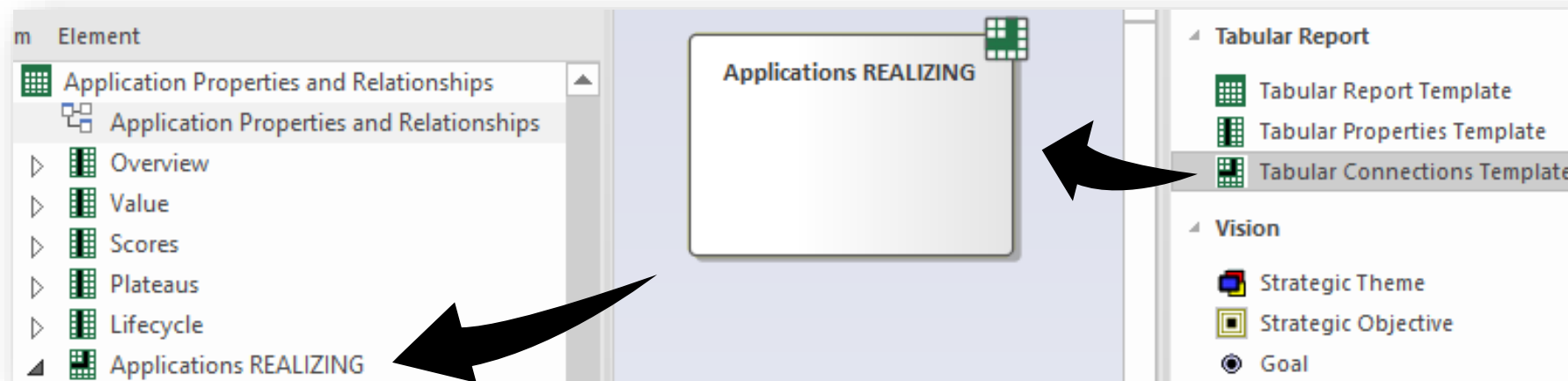
Element

Connections/Relationships

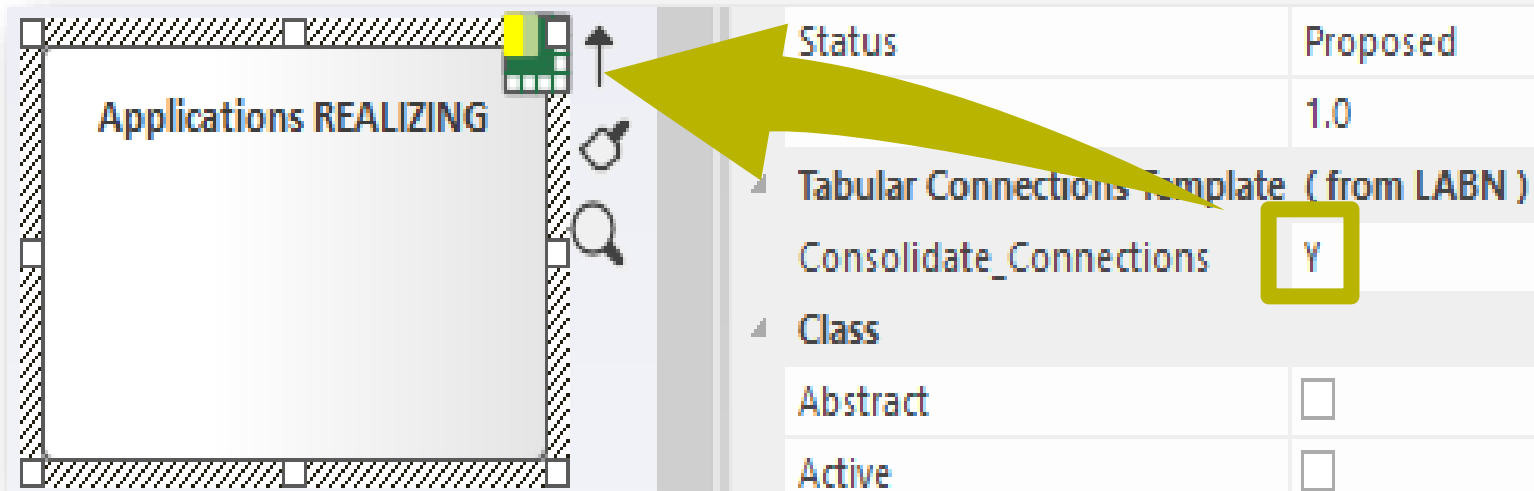


Add a “Tabular Connections Template” to the new Tabular Report Template Design diagram

.... and name it “Applications REALIZING”

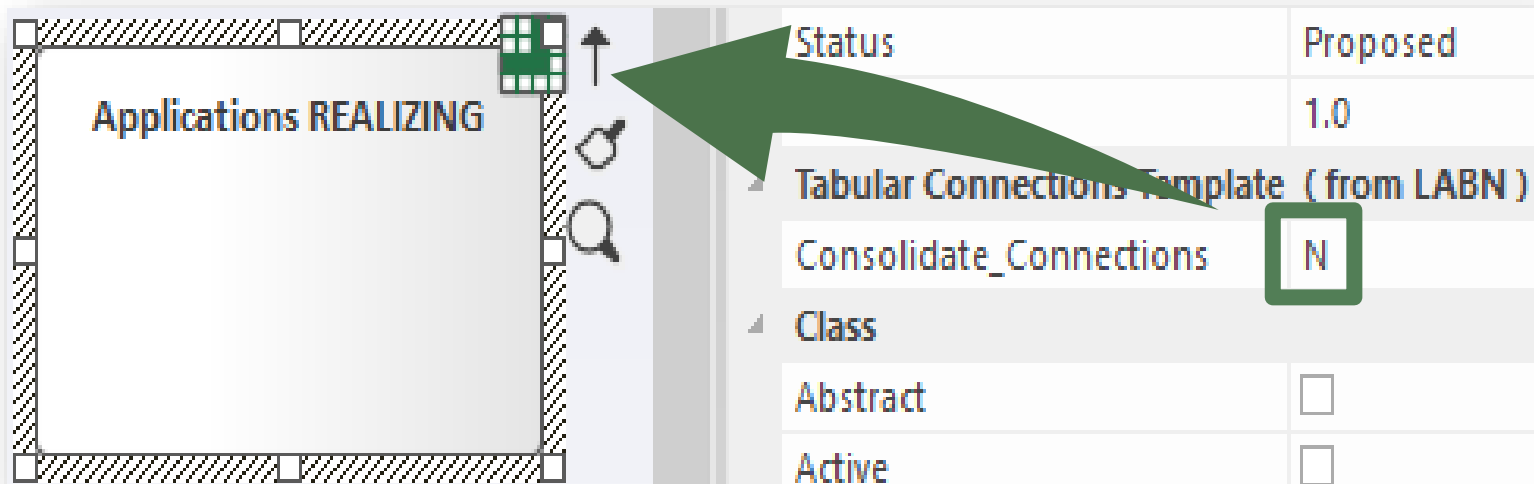


To consolidate ...



Status	Proposed
	1.0
Tabular Connections Template (from LABN)	
Consolidate_Connections	Y
Class	
Abstract	<input type="checkbox"/>
Active	<input type="checkbox"/>

... or not to consolidate connections

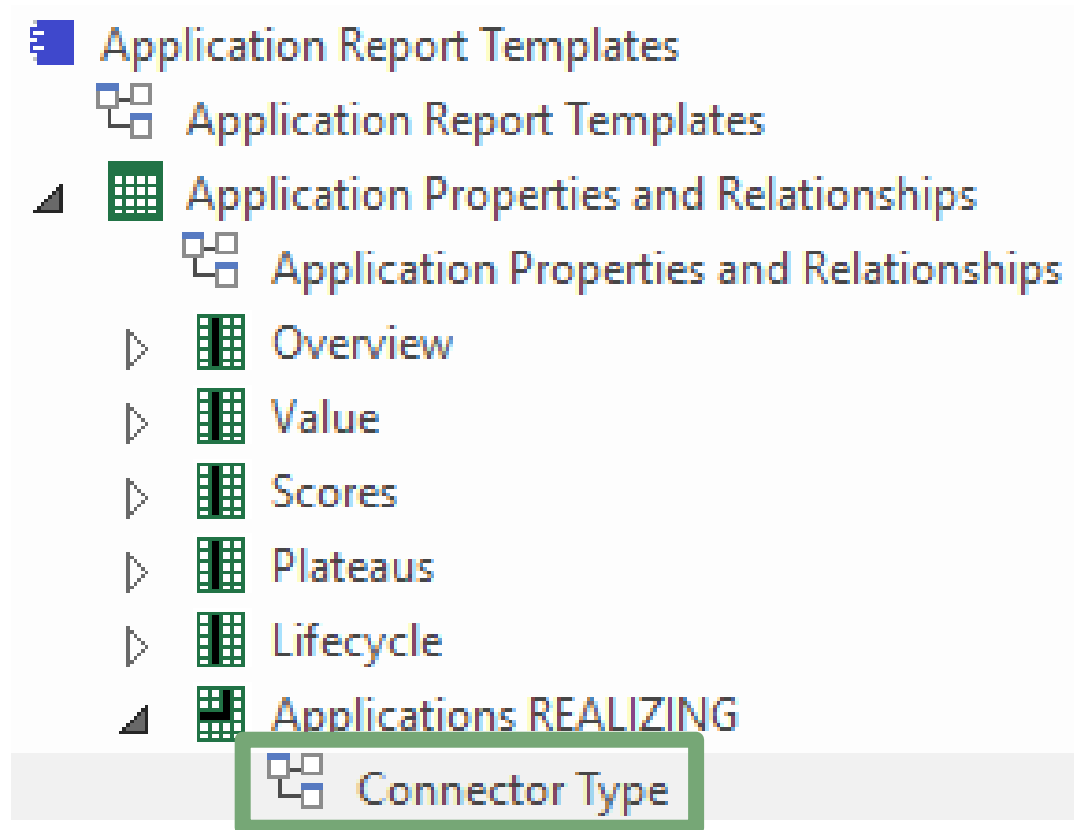


Status	Proposed
	1.0
Tabular Connections Template (from LABN)	
Consolidate_Connections	N
Class	
Abstract	<input type="checkbox"/>
Active	<input type="checkbox"/>



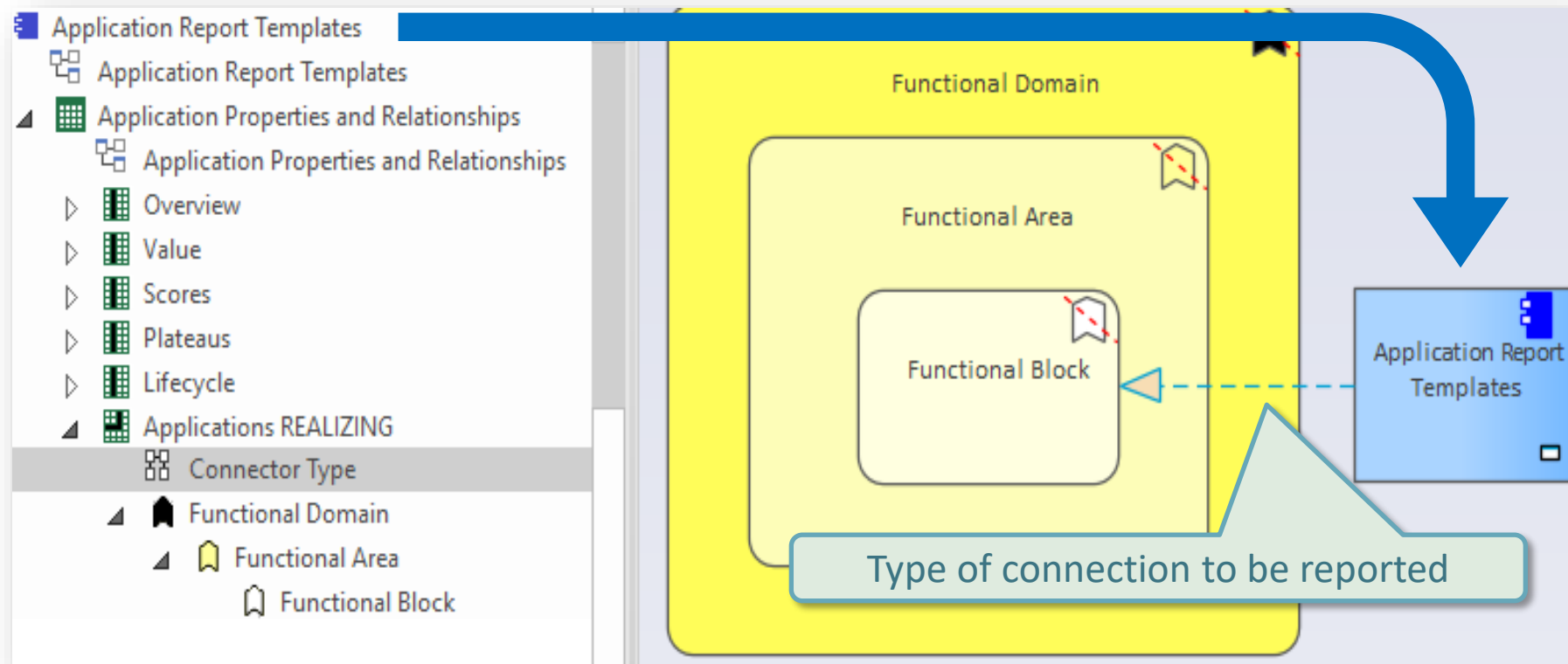
Define the type of connection to be reported

Add a diagram of type “**Element Prototypes**” under the new tabular connection template and name it, for example, “Connection Type”



Define the type of connection to be reported

- Add the element prototype to the diagram
- In the browser window, create a hierarchy of elements for which explicit and implicit connections should be reported
- Connect the element prototype to the lowest level in the hierarchy

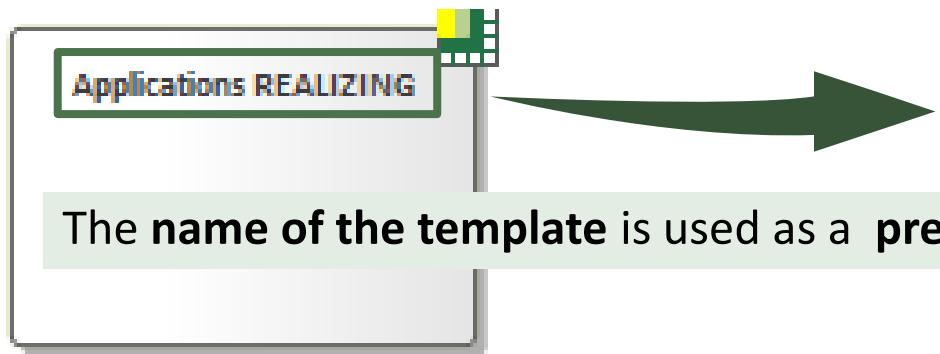


Resulting Connection Group Name



The **type of the connected element** (implicit or explicit) is used as a **suffix** for the **connections group name**

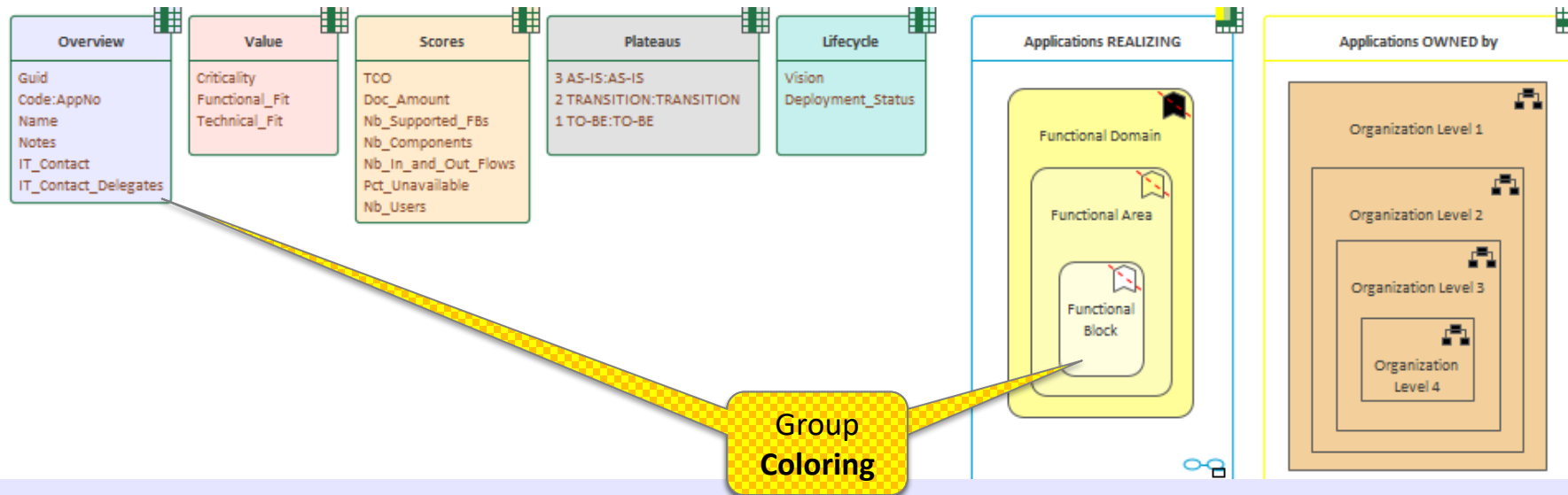
	BV	BWBX	BY	BZ	CAC	CB	CC	CD	CE	CF	CG	CH	C
Applications REALIZING Functional Block													
Email Exchange													
SMS Exchange													
Payment Exchanges													
Digital Marketing													
Search Engine Management													
Order Management													
B2B Indirect Sales													
B2C Order Management													
B2C Self-Service Channel													
Pricing Management													
Bulk Distribution													
Face-to-Face Distribution													
Product Management													



The **name of the template** is used as a **prefix** for the **connections group name**



Colors of Connection Groupings



In the output tabular reports...

Background element colors will be assigned to column groups.

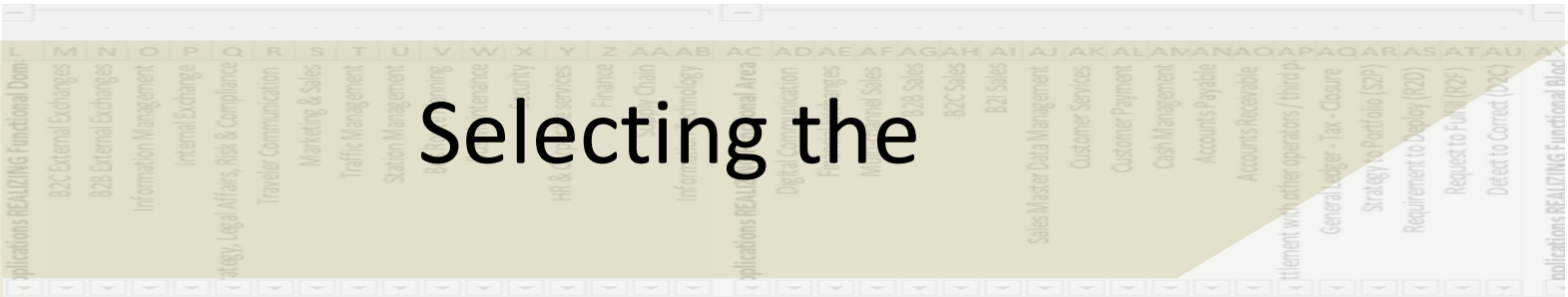
If an element appears in more than one diagram the color is selected from the first diagram found.

If such diagram exists under the Tabular Report element then this diagram takes precedence.

The color cannot be the default element color (otherwise it will be blank).



Scope of Connected Elements (columns)



Selecting the

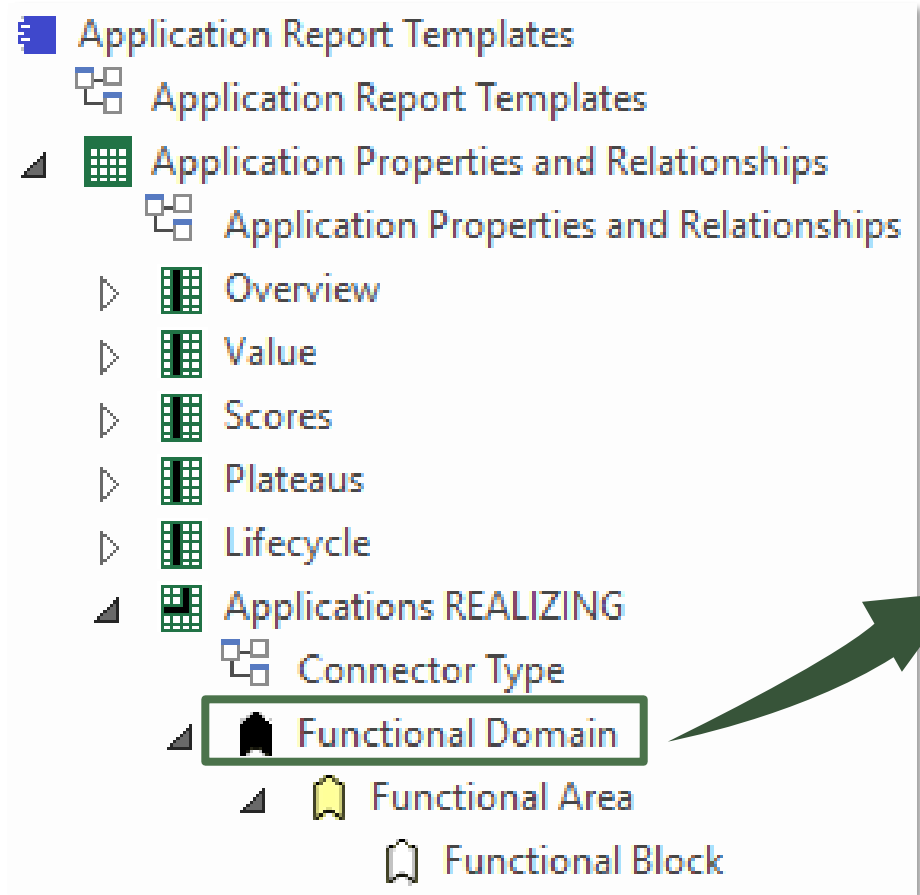
Collection of

Connected Elements



Selecting connected elements to be reported

Implicit (default) Selection



By default, Labnaf selects all elements with that same stereotype in the related catalog.

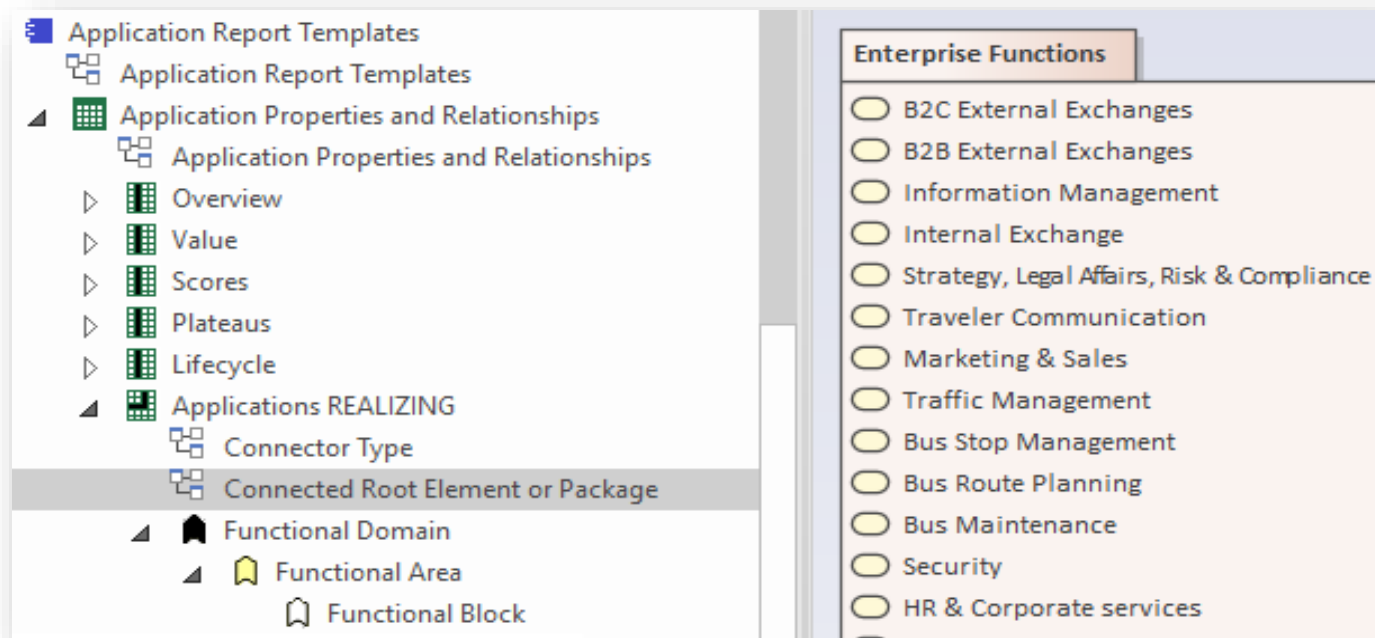
So, in this example, it will collect all elements having a stereotype 'LABN_FunctionalDomain' in all packages having a stereotype 'LNCAT_FunctionalDomain'.



Selecting connected elements to be reported

Explicit Selection

- Add a diagram of any type under the new tabular connection template and name it, for example, “Connected Root Element or Package”.
- Add any number of packages and/or (connected) elements to be reported.
The elements in the packages or the explicit elements should be at the top level in the connected elements hierarchy



- Tabular Report Templates
 - ELP Tabular Report Templates
 - Application Report Templates
 - Application Report Templates
 - Application Properties and Relationships
 - Application Properties and Relationships
 - Overview
 - Value
 - Scores
 - Plateaus
 - Lifecycle
 - Applications REALIZING
 - Applications OWNED by
 - Application Calculated Values.CSV
 - Application Calculated Values
 - Overview
 - Calculated Values
 - System Software Report Templates

- Tabular Report Template
- Tabular Properties Template
- Tabular Connections Template

You can create any number of element prototypes and templates of any kind and in any order



A. Generating Tabular Reports

B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



Defining the Report Format


- The report format is defined in the report template name
- The format is therefore also visible in the generated report name (same name as the template)
=> by looking at a report name, you can immediately determine its format

Application Report Templates

▷  {}




Application Report Templates Examples


▷  Application Catalog with Relationships (IMPLICIT SCOPE - All elements in catalog)

▷  Application Catalog with Relationships (EXPLICIT SCOPE - SQL SELECT statement)

▷  Application List[CP=utf-8].CSV

▷  Application List[CP=Windows-1252;DELIM=Semicolon].CSV

▷  --Application Unavailability Statistics (On Demand Only)

▷  Applications Using Sensitive Data

Default report **format** is **Excel**.
To generate a **CSV** report, add a “.CSV”
extension to the report template name.

Inbound/outbound CSV character encoding and
column delimiters can be specified in the tabular
report name itself.

[For further information, see
« Inbound/Outbound Content Formatting »
on the Guidance web site.](#)



A. Generating Tabular Reports

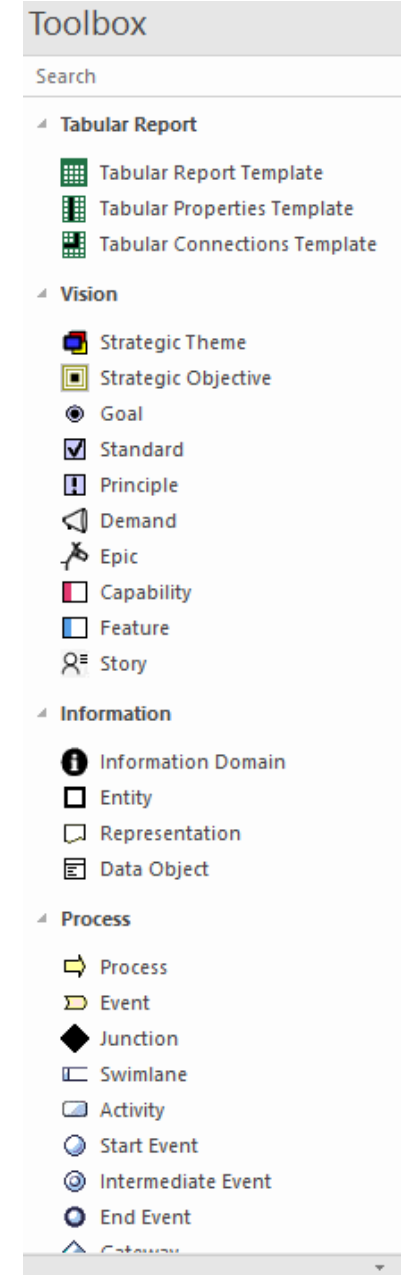
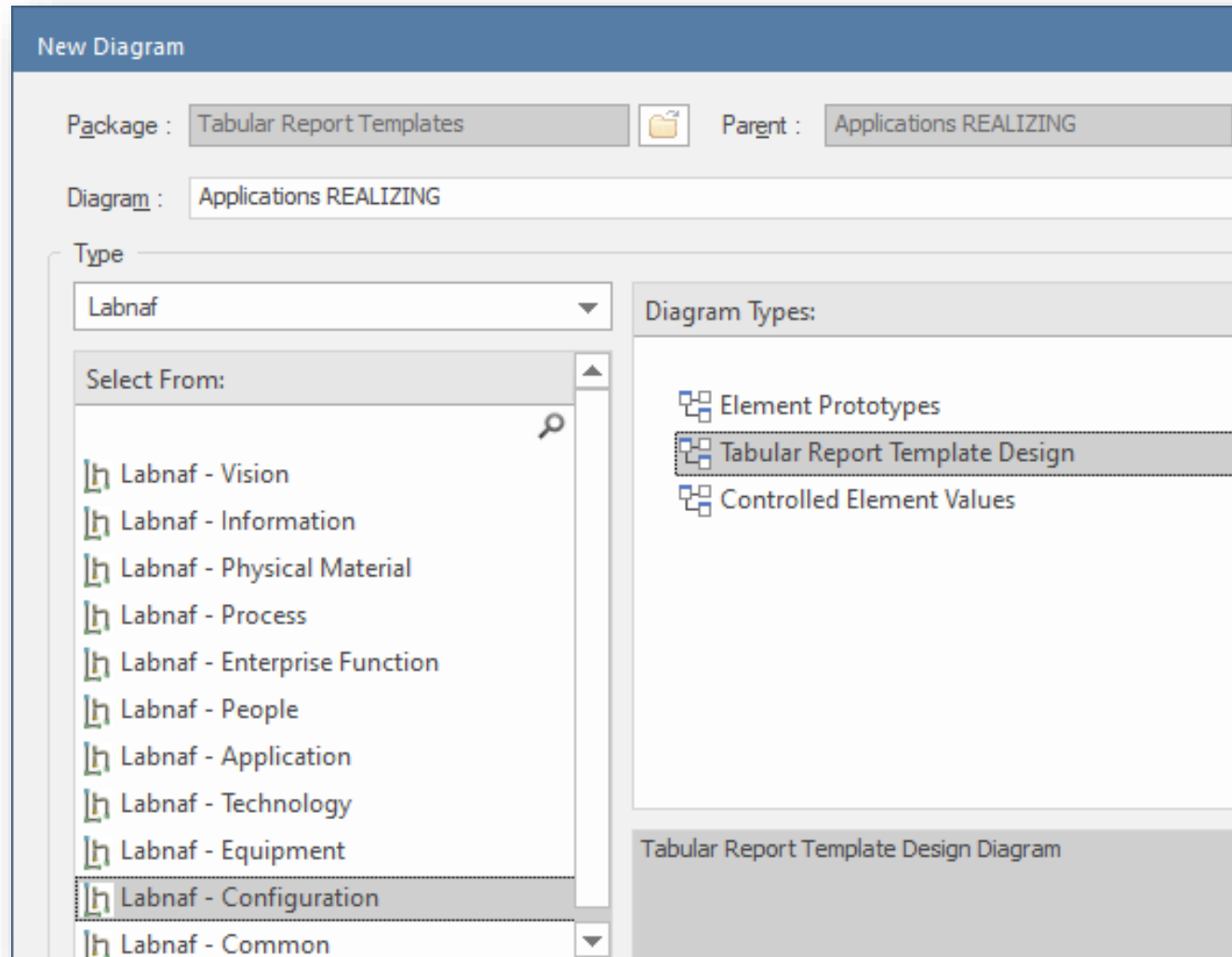
B. Creating Tabular Report Templates

1. Scenarios for Starting a New Tabular Report Template
 - a. Custom Report
 - b. Clone & Edit
 - c. Model the Structure
2. Collection of Elements to be Reported (scope)
3. Reported Element Properties
4. Reported Connections
5. Report Format
6. Summary



Tabular Report Summary

A tabular report can contain tagged values, properties and connections to any kind of element.



Tabular Report Summary (cont.)

An element prototype for grouping tabular reports
So we can see that the embedded tabular report definitions are for elements of that specific type and stereotype.

A folder where we define tabular reports

Tabular report template

Element properties to be reported (and renamed if needed)

Optional

- Configuration
 - Tabular Report Templates
 - Application Report Templates
 - Application Properties and Relationships
 - Overview
 - Code:AppNo
 - Guid
 - Name
 - Notes
 - Plateaus
 - Lifecycle
 - Applications REALIZING
 - Connected Root Element or Package
 - Connector Type
 - Functional Domain
 - Functional Area
 - Functional Block
 - Applications OWNED by
 - Connected Root Element or Package
 - Connector Type
 - Organization Level 1
 - Organization Level 2
 - Organization Level 3
 - Organization Level 4

Package : Tabular Report Templates Parent : Applications REALIZING

Diagram : Applications REALIZING

Type: Labnaf

Select From:

- Labnaf - Vision
- Labnaf - Information
- Labnaf - Physical Material
- Labnaf - Process
- Labnaf - Enterprise Function
- Labnaf - People
- Labnaf - Application
- Labnaf - Technology
- Labnaf - Equipment
- Labnaf - Configuration
- Labnaf - Common

Diagram Types:

- Element Prototypes
- Tabular Report Template Design
- Controlled Element Values

Toolbox

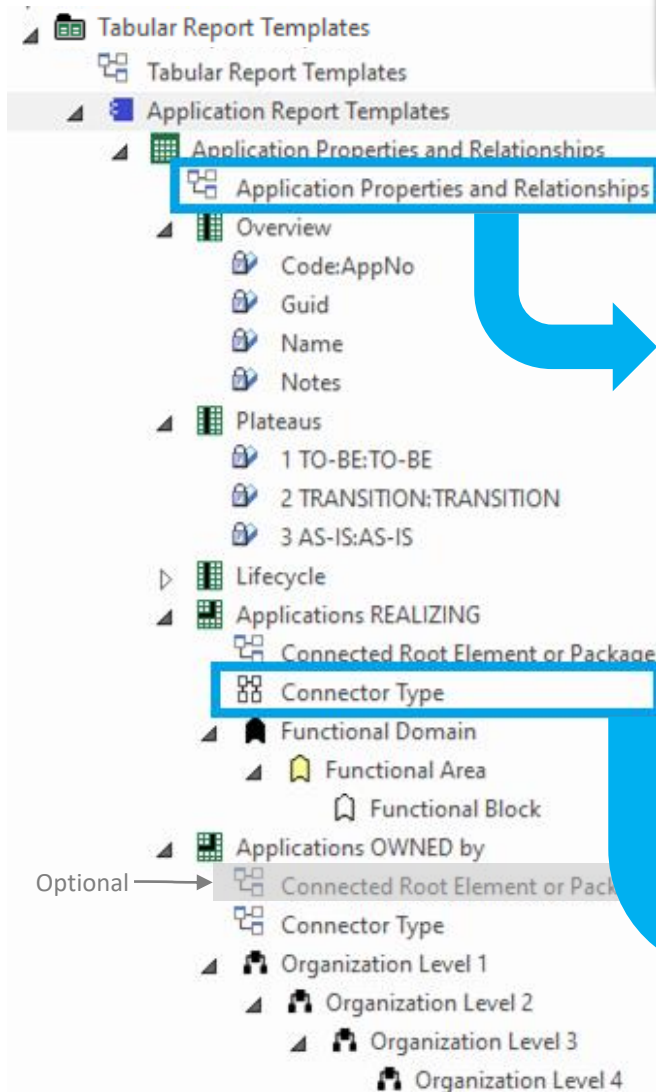
Search

- Tabular Report
 - Tabular Report Template
 - Tabular Properties Template
 - Tabular Connections Template

Element connections to be reported and consolidated at several levels of detail.
Connected element types and stereotypes can be different at each level.

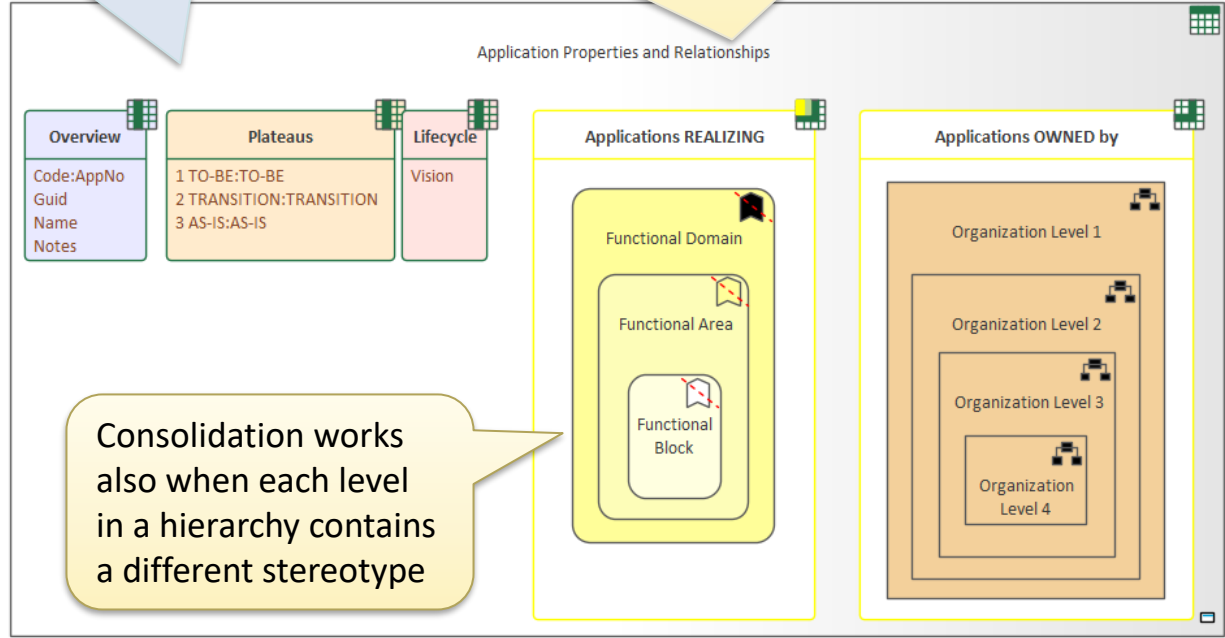


Tabular Report Summary (cont.)

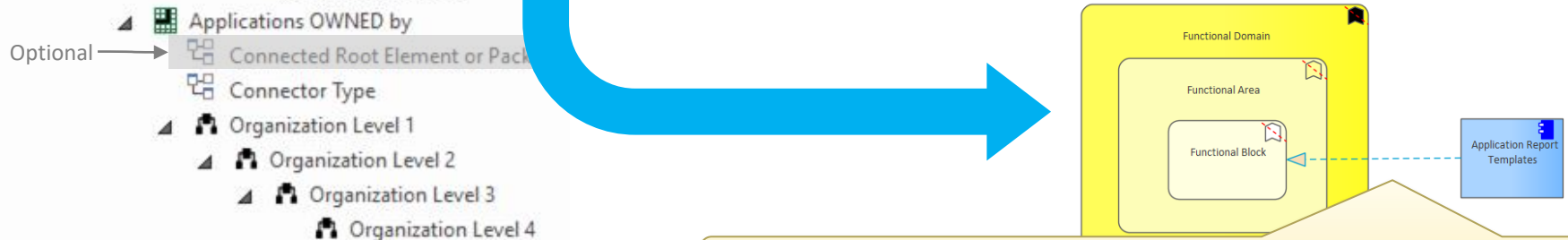


Model the element properties and/or tagged values with optional renaming and colored groupings

Model the specific connections in specific direction to specific types of elements.
Model the connection **consolidation** into parent element relationships



Consolidation works also when each level in a hierarchy contains a different stereotype



Model the leaf element **connector** to be reported and consolidated

