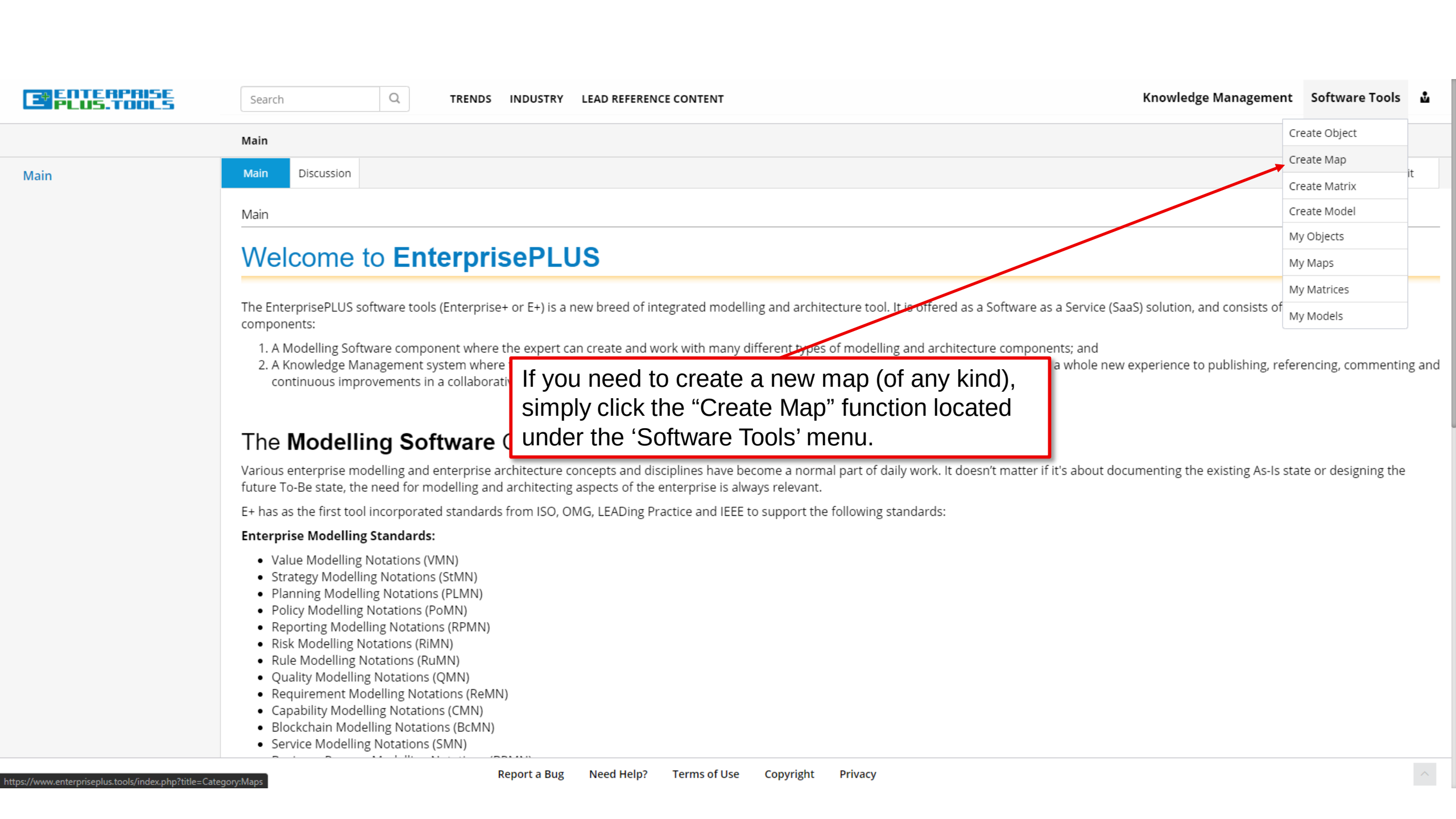
ENTERPRISE PLUS.TOOLS

Overview of how to create and work with

Maps & Matrices

((o))LEADING PRACTICE
We set the Enterprise Standards!

GLOBAL UNIVERSITY ALLIANCE


ENTERPRISE PLUS.TOOLS
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LEAD REFERENCE CONTENT
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Software Tools
Create Object
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My Maps
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Welcome to EnterprisePLUS
The EnterprisePLUS software tools (Enterprise+ or E+) is a new breed of integrated modelling and architecture tool. It is offered as a Software as a Service (SaaS) solution, and consists of components:
1. A Modelling Software component where the expert can create and work with many different types of modelling and architecture components; and
2. A Knowledge Management system where
a whole new experience to publishing, referencing, commenting and continuous improvements in a collaborati
If you need to create a new map (of any kind), simply click the “Create Map” function located under the ‘Software Tools’ menu.
The Modelling Software
Various enterprise modelling and enterprise architecture concepts and disciplines have become a normal part of daily work. It doesn't matter if it's about documenting the existing As-Is state or designing the future To-Be state, the need for modelling and architecting aspects of the enterprise is always relevant.
E+ has as the first tool incorporated standards from ISO, OMG, LEADing Practice and IEEE to support the following standards:
Enterprise Modelling Standards:
Value Modelling Notations (VMN)
Strategy Modelling Notations (StMN)
Planning Modelling Notations (PLMN)
Policy Modelling Notations (PoMN)
Reporting Modelling Notations (RPMN)
Risk Modelling Notations (RiMN)
Rule Modelling Notations (RuMN)
Quality Modelling Notations (QMN)
Requirement Modelling Notations (ReMN)
Capability Modelling Notations (CMN)
Blockchain Modelling Notations (BcMN)
Service Modelling Notations (SMN)
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https://www.enterpriseplus.tools/index.php?title=Category:Maps

Main

Maps
Application Interface Map
Application Map
Application Roles Map
Application Rules Map
Application Screen Map
Application Service Map
Balanced Scorecard Map
Case Map
Channel Map
Competency/Business Model
Compliance Map
Cost Map
Data Map
Data Rules Map
Data Service Map
Forces & Drivers Map
Information Map
Infrastructure Map
Infrastructure Rules Map
Infrastructure Service Map
Measurement & Reporting Map
Media Map
Object Map
Operating Map
Organizational Chart Map
Owner Map
Performance Map
Platform Distribution Map
Platform Map

Maps Discussion Open Page Edit View History

Maps

Category:Maps

Pages in category "Maps"

The following 45 pages are in this category, out of 45 total.

A
- Maps:Application Interface Map
- Maps:Application Map
- Maps:Application Roles Map
- Maps:Application Rules Map
- Maps:Application Screen Map
- Maps:Application Service Map

B
- Maps:Balanced Scorecard Map

C
- Maps:Case Map
- Maps:Channel Map
- Maps:Competency/Business Model
- Maps:Compliance Map
- Maps:Cost Map

D
- Maps:Data Map
- Maps:Data Rules Map
- Maps:Data Service Map

I
- Maps:Infrastructure Rules Map
- Maps:Infrastructure Service Map

M
- Maps:Measurement & Reporting Map
- Maps:Media Map

O
- Maps:Object Map
- Maps:Operating Map
- Maps:Organizational Chart Map
- Maps:Owner Map

P
- Maps:Performance Map
- Maps:Platform Distribution Map

R
- Maps:Revenue Map
- Maps:Risk Map
- Maps:Role Map
- Maps:Rule Map

S
- Maps:Security Map
- Maps:Service Map
- Maps:Stakeholder Map
- Maps:Strategy Map
- Maps:System Measurements/Report

V
- Maps:Value Map
- Maps:Vision, Mission & Goals Map

On this page, you will find the grand overview of all currently available maps that you can create from a blank artefact (template).

For this presentation, we will be using the Data Map as an example.

Main

Maps
- Application Interface Map
- Application Map
- Application Roles Map
- Application Rules Map
- Application Screen Map
- Application Service Map
- Balanced Scorecard Map
- Case Map
- Channel Map
- Competency/Business Model
- Compliance Map
- Cost Map
- Data Map
- Data Rules Map
- Data Service Map
- Forces & Drivers Map
- Information Map
- Infrastructure Map
- Infrastructure Rules Map
- Infrastructure Service Map
- Measurement & Reporting Map
- Media Map
- Object Map
- Operating Map
- Organizational Chart Map
- Owner Map
- Performance Map
- Platform Distribution Map
- Platform Map

Data Map | Discussion | Open Page | Edit | View History

Data Map

Description[edit]

The Data Map provides an overview of the data components, objec rprise.

Usage[edit]

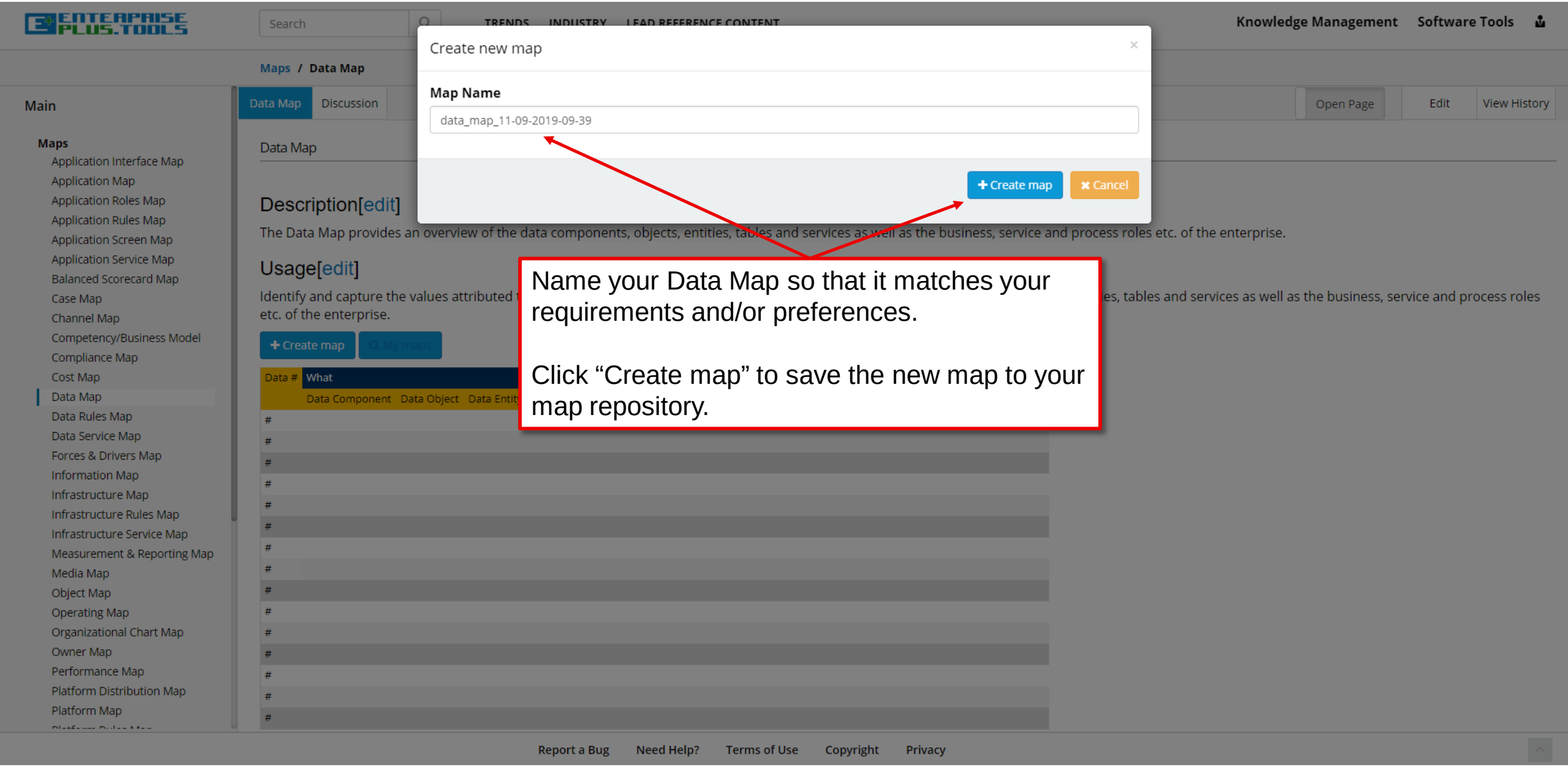
Identify and capture the values attributed to the main meta object as well as the business, service and process roles etc. of the enterprise.

+ Create map | My maps

Data #	What					Where		Who		
	Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
#										
#										
#										
#										
#										
#										
#										
#										
#										
#										
#										
#										
#										
#										
#										

On this page, you can see the empty Data Map artefact and its basic structure.

Click the “Create map” function to start building your own Data Map.


Create new map
Map Name
data_map_11-09-2019-09-39
+ Create map
✖ Cancel
Name your Data Map so that it matches your requirements and/or preferences.
Click “Create map” to save the new map to your map repository.

data_map_11-09-2019-09-39 - Map

Save Close

File Edit Insert Format

Legend

	A	B	C	D	E	F	G	H	I	J	K
1	Data #	What					Where		Who		
2		Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
3	#										
4	#										
5	#										
6	#										
7	#										
8	#										
9	#										
10	#										
11	#										
12	#										
13	#										
14	#										
15	#										
16	#										
17	#										

On this page, you will see the basic structure of the Data Map artefact (template).

You can now begin populating your map with all your previously created data elements such as;

- Data Components
- Data Objects
- Data Entities
- Data Tables
- Data Services
- Data Channels
- Data Media
- Organizational Roles
- Service Roles
- Process Roles

data_map_11-09-2019-09-39 - Map

Save Close

File Edit Insert Format

Open Sans 13 Legend

	A	B	C	D	E	F	G	H	I	J	K
1	Data #	What					Where		Who		
2		Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
3	#										
4	#										
5	#										
6	#										
7	#										
8	#										
9	#										
10	#										
11	#										
12	#										
13	#										
14	#										
15	#										
16	#										
17	#										

The top 2 rows are row headers.

The first row is the WHAT, WHERE, WHO indicators that tells you what the object is, where it is located, and who (roles in the organization) works with it.

The second row is a header for the object name. Each object has it's own column, so any one column can only contain 1 type of object (i.e. column B should **only** contain Data Component objects, column C should **only** contain Data Objects, etc.).

You may delete any columns that you do not need in order to simply your map and remove unnecessary information.

data_map_11-09-2019-09-39 - Map

Save Close

File Edit Insert Format

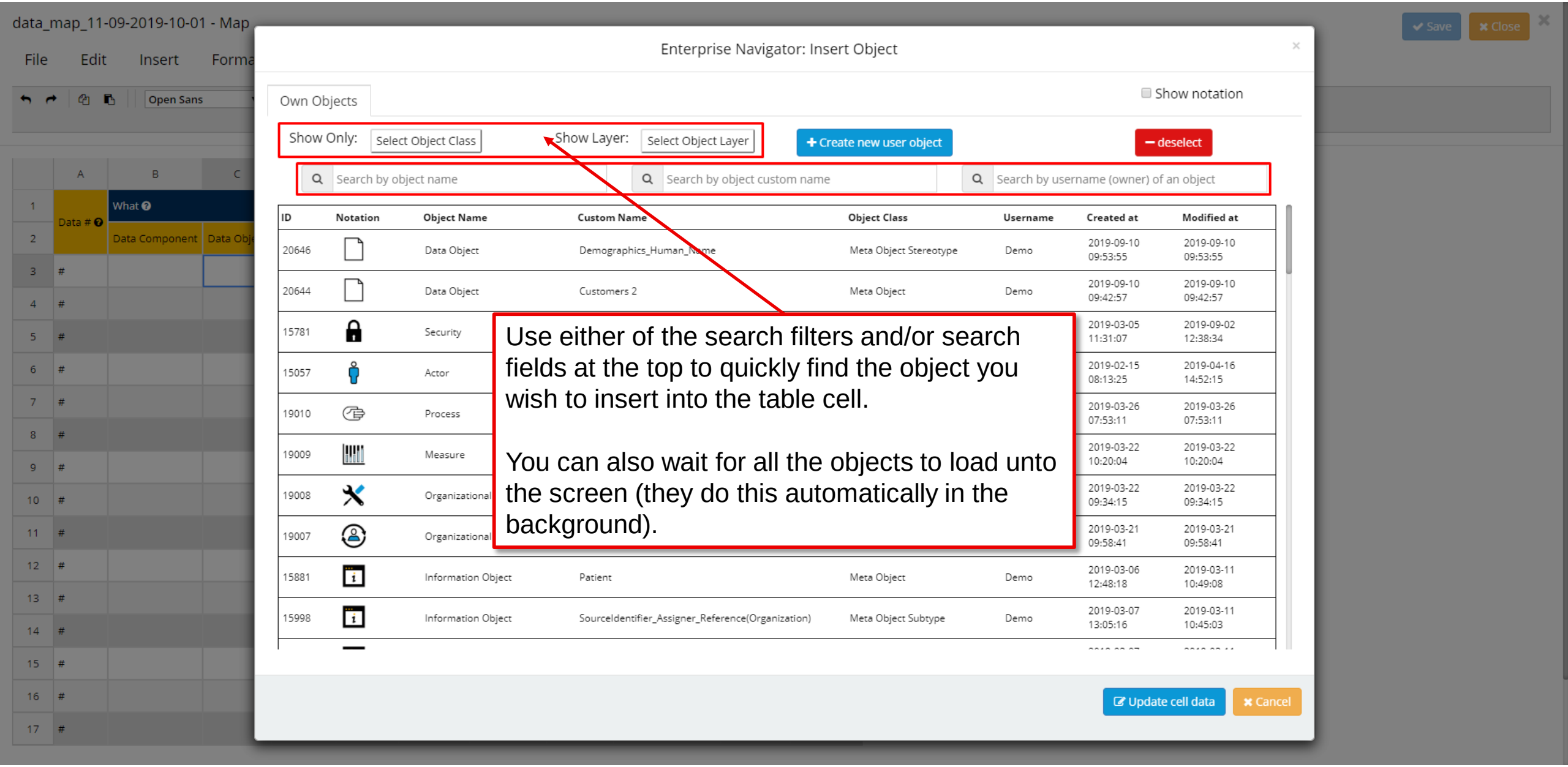
Open Sans 13 B I S A Legend

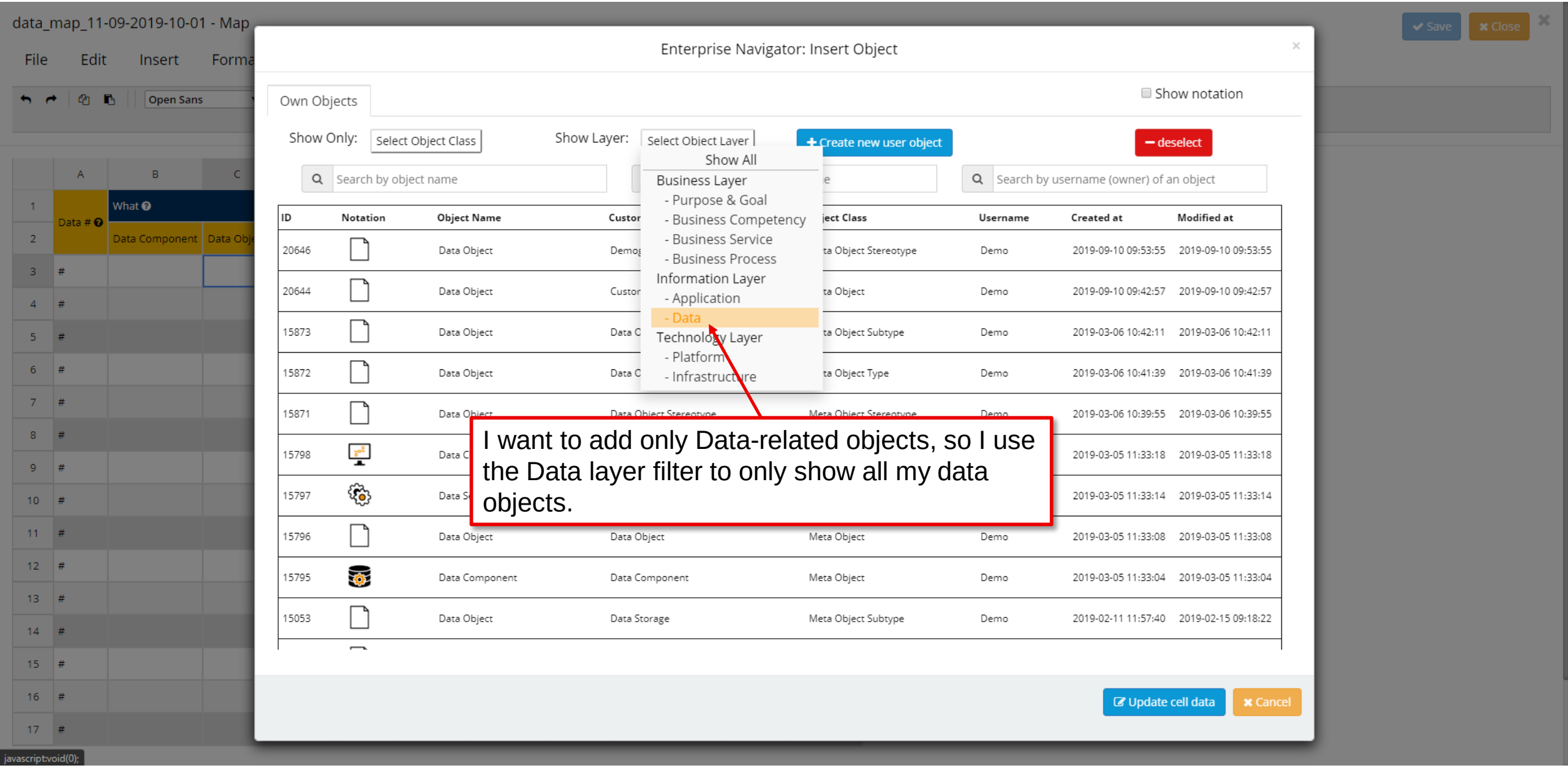
	A	B	C	D	E	F	G	H	I	J	K
1	Data #	What					Where		Who		
2		Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
3	#										
4	#										
5	#										
6	#										
7	#										
8	#										
9	#										
10	#										
11	#										
12	#										
13	#										
14	#										
15	#										
16	#										
17	#										

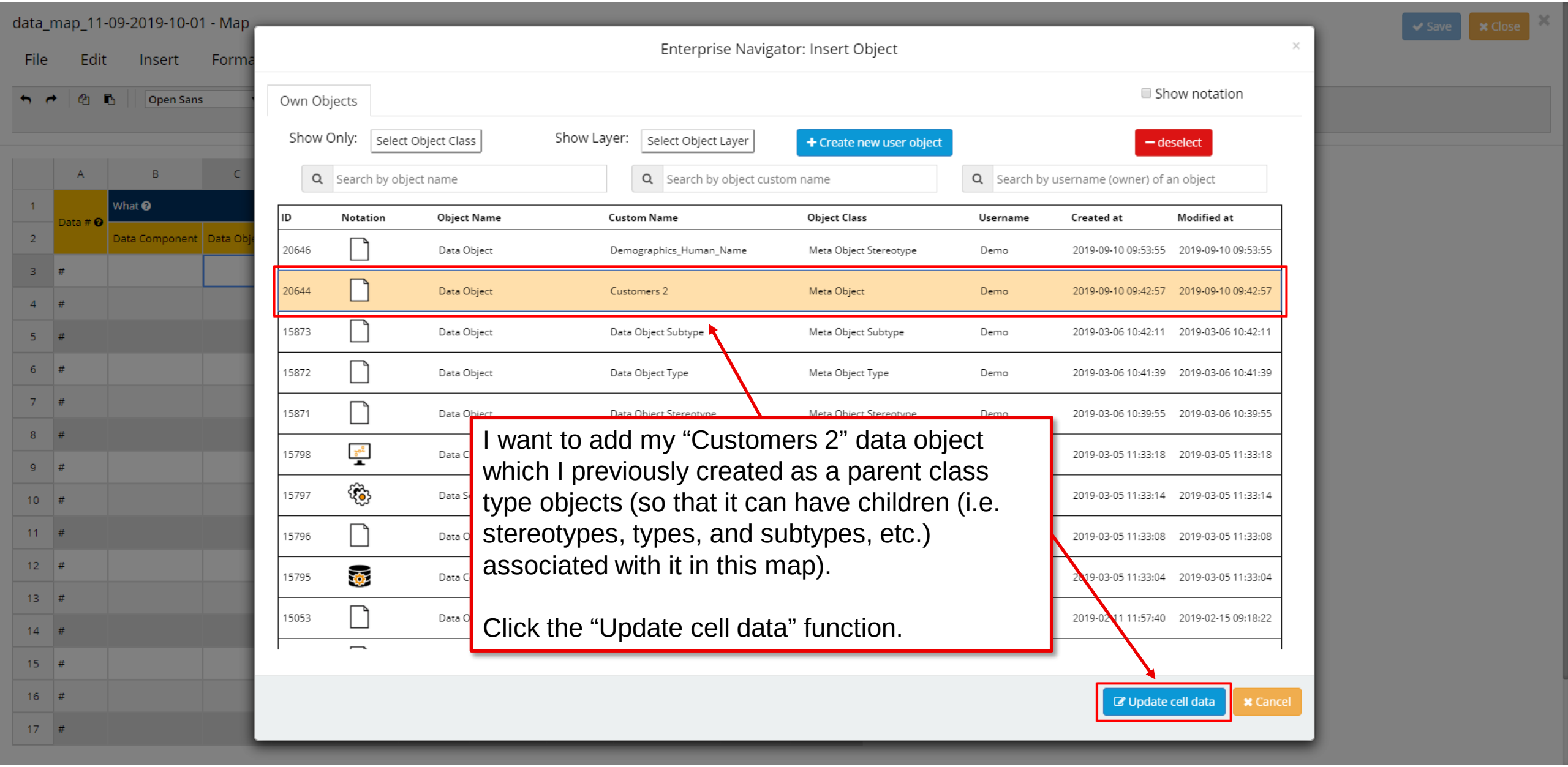
- **Insert Object**
- Cell Color
- Copy
- Paste
- Insert row above
- Insert row below
- Insert column on the left
- Insert column on the right
- Remove row
- Remove column
- Undo
- Redo
- Merge cells

To populate your map with objects, simply right-click a column cell beneath row 2 (in this case, we want to add a Data Object to row 3, column C).

Next, click the “Insert Object” function at the top of the pop-up menu.


data_map_11-09-2019-10-01 - Map
File
Edit
Insert
Save
Close
Enterprise Navigator: Insert Object
Own Objects
Show notation
Show Only:
Select Object Class
Show Layer:
Select Object Layer
+ Create new user object
− deselect
Search by object name
Search by object custom name
Search by username (owner) of an object
ID
Notation
Object Name
Custom Name
Object Class
Username
Created at
Modified at
20646
Data Object
Demographics_Human_Name
Meta Object Stereotype
Demo
2019-09-10 09:53:55
2019-09-10 09:53:55
20644
Data Object
Customers 2
Meta Object
Demo
2019-09-10 09:42:57
2019-09-10 09:42:57
15781
Security
2019-03-05 11:31:07
2019-09-02 12:38:34
15057
Actor
2019-02-15 08:13:25
2019-04-16 14:52:15
19010
Process
2019-03-26 07:53:11
2019-03-26 07:53:11
19009
Measure
2019-03-22 10:20:04
2019-03-22 10:20:04
19008
Organizational
2019-03-22 09:34:15
2019-03-22 09:34:15
19007
Organizational
2019-03-21 09:58:41
2019-03-21 09:58:41
15881
Information Object
Patient
Meta Object
Demo
2019-03-06 12:48:18
2019-03-11 10:49:08
15998
Information Object
SourceIdentifier_Assigner_Reference(Organization)
Meta Object Subtype
Demo
2019-03-07 13:05:16
2019-03-11 10:45:03
Use either of the search filters and/or search fields at the top to quickly find the object you wish to insert into the table cell.
You can also wait for all the objects to load unto the screen (they do this automatically in the background).
Update cell data
Cancel


data_map_11-09-2019-10-01 - Map
File
Edit
Insert
Save
Close
Enterprise Navigator: Insert Object
Own Objects
Show notation
Show Only:
Select Object Class
Show Layer:
Select Object Layer
Create new user object
deselect
Search by object name
Search by username (owner) of an object
Show All
Business Layer
- Purpose & Goal
- Business Competency
- Business Service
- Business Process
Information Layer
- Application
- Data
Technology Layer
- Platform
- Infrastructure
ID
Notation
Object Name
Username
Created at
Modified at
20646
Data Object
Demo
2019-09-10 09:53:55
2019-09-10 09:53:55
20644
Data Object
Demo
2019-09-10 09:42:57
2019-09-10 09:42:57
15873
Data Object
Demo
2019-03-06 10:42:11
2019-03-06 10:42:11
15872
Data Object
Demo
2019-03-06 10:41:39
2019-03-06 10:41:39
15871
Demo
2019-03-06 10:39:55
2019-03-06 10:39:55
15798
2019-03-05 11:33:18
2019-03-05 11:33:18
15797
2019-03-05 11:33:14
2019-03-05 11:33:14
15796
Data Object
Data Object
Meta Object
Demo
2019-03-05 11:33:08
2019-03-05 11:33:08
15795
Data Component
Data Component
Meta Object
Demo
2019-03-05 11:33:04
2019-03-05 11:33:04
15053
Data Object
Data Storage
Meta Object Subtype
Demo
2019-02-11 11:57:40
2019-02-15 09:18:22
I want to add only Data-related objects, so I use the Data layer filter to only show all my data objects.
Update cell data
Cancel
javascript:void(0);


data_map_11-09-2019-10-01 - Map
File
Edit
Insert
Save
Close
Enterprise Navigator: Insert Object
Own Objects
Show notation
Show Only:
Select Object Class
Show Layer:
Select Object Layer
+ Create new user object
− deselect
Search by object name
Search by object custom name
Search by username (owner) of an object
ID
Notation
Object Name
Custom Name
Object Class
Username
Created at
Modified at
20646 Data Object Demographics_Human_Name Meta Object Stereotype Demo 2019-09-10 09:53:55 2019-09-10 09:53:55
20644 Data Object Customers 2 Meta Object Demo 2019-09-10 09:42:57 2019-09-10 09:42:57
15873 Data Object Data Object Subtype Meta Object Subtype Demo 2019-03-06 10:42:11 2019-03-06 10:42:11
15872 Data Object Data Object Type Meta Object Type Demo 2019-03-06 10:41:39 2019-03-06 10:41:39
15871 2019-03-06 10:39:55 2019-03-06 10:39:55
15798 2019-03-05 11:33:18 2019-03-05 11:33:18
15797 2019-03-05 11:33:14 2019-03-05 11:33:14
15796 2019-03-05 11:33:08 2019-03-05 11:33:08
15795 2019-03-05 11:33:04 2019-03-05 11:33:04
15053 2019-02-11 11:57:40 2019-02-15 09:18:22
I want to add my “Customers 2” data object which I previously created as a parent class type objects (so that it can have children (i.e. stereotypes, types, and subtypes, etc.) associated with it in this map).
Click the “Update cell data” function.
Update cell data
Cancel

data_map_11-09-2019-10-01 - Map

Save Close

Cell properties successfully updated.

File Edit Insert Format

Open Sans 13 Legend

	A	B	C	D	E	F	G	H	I	J	K
1	Data #	What					Where		Who		
2		Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
3	#		Customers 2								
4	#										
5	#										
6	#										
7	#										
8	#										
9	#										
10	#										
11	#										
12	#										
13	#										
14	#										
15	#										
16	#										
17	#										

The data object “Customers 2” has now been inserted into the table cell.

data_map_11-09-2019-10-01 - Map

Save Close

File Edit Insert Format

Open Sans 13 B I S A Legend

	A	B	C	D	E	F	G	H	I	J	K
1	Data #	What					Where		Who		
2		Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
3	#		Customers 2								
4	#										
5	#										
6	#										
7	#										
8	#										
9	#										
10	#										
11	#										
12	#										
13	#										
14	#										
15	#										
16	#										
17	#										

Insert Object
Cell Color
Copy
Paste
Insert row above
Insert row below
Insert column on the left
Insert column on the righ
Remove row
Remove column
Undo
Redo
Merge cells

So what do we do if we then wish to also add the child (stereotype) of this parent object?

Simply select the “Data Object” column on row 2 and right-click mouse, and then select the “Insert column on the right” function.

data_map_11-09-2019-10-01 - Map

Save Close

File Edit Insert Format

Legend

	A	B	C	D	E	F	G	H	I	J	K	L
1	Data #	What						Where		Who		
2		Data Component	Data Object		Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
3	#		Customers 2									
4	#											
5	#											
6	#											
7	#											
8	#											
9	#											
10	#											
11	#											
12	#											
13	#											
14	#											
15	#											
16	#											
17	#											

A new empty column has now been created, and we can now begin inserting any needed stereotype objects of the parent object “Customers 2”.

data_map_11-09-2019-10-01 - Map

Save Close

File Edit Insert Format

Open Sans 13 B I S A Legend

	A	B	C	D	E	F	G	H	I	J	K	L
1	Data #	What						Where		Who		
2		Data Component	**Data Object (class type)**	Data Object (stereotype)	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process R
3	#		Customers 2									
4	#											
5	#											
6	#											
7	#											
8	#											
9	#											
10	#											
11	#											
12	#											
13	#											
14	#											
15	#											
16	#											
17	#											

To make it easier for you to remember, you can add the object type level to the row headers to easily identify the object type levels the objects are added to. Class type is always the parent object, then comes stereotype, type, subtype, sub-subtype, and sub-sub-subtype as nested child objects (depending on which level of detail you need to map your objects at.

data_map_11-09-2019-10-01 - Map

Save Close

File Edit Insert Format

Open Sans 13 B I S A Legend

	A	B	C	D	E	F	G	H	I	J	K	L
1	Data #	What						Where		Who		
2		Data Component	Data Object (class type)	Data Object (stereotype)	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process R
3	#		Customers 2									
4	#											
5	#											
6	#											
7	#											
8	#											
9	#											
10	#											
11	#											
12	#											
13	#											
14	#											
15	#											
16	#											
17	#											

Insert Object
Cell Color
Copy
Paste
Insert row above
Insert row below
Insert column on the left
Insert column on the right
Remove row
Remove column
Undo
Redo
Merge cells

You can now begin populating your new “stereotype” column with stereotype objects that is the child of the “Customers 2” class type (parent) object.

Similarly, you can create more columns next to the stereotype column if you want to add type level objects, etc.

Data Matrix

Description[edit]

The Data Matrix provides an overview of the data components, objects, entities, tables and services as well a… impact the organization. This information is taken directly from the map, and then related individually to oth…

Usage[edit]

Identify, capture and relate the meta objects (rows) such as requirements, goals, timing, quality, risks, securit… the business, service and process roles etc. of the enterprise.

+ Create matrix | My matrices

Interrogative Specification		Data #	What					Where		Who		
			Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizational Role	Service Role	Process Role
What (What are the requirements around data)	Requirement 1	#										
	Requirement 2	#										
	Requirement N	#										
What (business, application or technology goal)	Goal 1	#										
	Goal 2	#										
	Goal N	#										
When	Timing 1	#										
	Timing 2	#										
	Timing N	#										
What	Quality 1	#										
	Quality 2	#										

The Data Matrix artefact (template) works exactly the same way as the Data Map with only a single yet specific difference.

Click the “Create matrix” function to see an example of a blank Data Matrix.

data_matrix_11-09-2019-10-22 - Matrix

Save Close

File Edit Insert Format

Legend

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Interrogative Specification		Data #	What					Where		Who		
2				Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizati		
3	What (What are the requirements around data)	Requirement 1	#										
4		Requirement 2	#										
5		Requirement N	#										
6													
7	What (business, application or technology goal)	Goal 1	#										
8		Goal 2	#										
9		Goal N	#										
10													
11	When	Timing 1	#										
12		Timing 2	#										
13		Timing N	#										
14													
15	What	Quality 1	#										
16		Quality 2	#										
17		Quality N	#										
18													

As you can see with the Data Matrix structure, it is much the same as the Data Map, except it now also contains column A and column B as table headers.

This is because we want to add another column next to column B to insert (for example) Requirement, Goal or Time objects respectively.

Scroll down to see more object options.

data_matrix_11-09-2019-10-22 - Matrix

Save Close

File Edit Insert Format

Open Sans 13 Legend

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Interrogative Specification		Data #	What					Where		Who		
2				ent	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media	Organizati		
3	What (What are the requirements around data)	Requirement 1											
4		Requirement 2											
5		Requirement N											
6													
7	What (business, application or technology goal)	Goal 1											
8		Goal 2											
9		Goal N											
10													
11	When	Timing 1	#										
12		Timing 2	#										
13		Timing N	#										
14													
15	What	Quality 1	#										
16		Quality 2	#										
17		Quality N	#										
18													

Insert Object
Cell Color
Copy
Paste
Insert row above
Insert row below
Insert column on the left
Insert column on the righ
Remove row
Remove column
Undo
Redo
Unmerge cells

Click on any table cell in column B and right-click and select the “Insert column on the right” function.

data_matrix_11-09-2019-10-22 - Matrix

Save Close

File Edit Insert Format

Legend

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Interrogative Specification			Data #	What					Where				
2					Data Component	Data Object	Data Entity	Data Table	Data Service	Data Channel	Data Media			
3	What (What are the requirements around data)	Requirement 1		#										
4		Requirement 2		#										
5		Requirement N		#										
6														
7	What (business, application or technology goal)	Goal 1		#										
8		Goal 2		#										
9		Goal N		#										
10														
11	When	Timing 1		#										
12		Timing 2		#										
13		Timing N		#										
14														
15	What	Quality 1		#										
16		Quality 2		#										
17		Quality N		#										
18														

You now have a new blank column C to add requirements, goal, time, quality objects, etc. into.

A good rule of thumb is to relate these objects directly to the parent objects only to any of the objects inserted into columns E to N.

Tips & Tricks of the Trade!

Get to know and learn some nice-to-know tips and tricks of how to work effectively with the modelling tool.

Many basic functions work the same way as most other general software products. This includes, but is not limited to, functions such as:

- **CTRL+A** = Select all elements on the canvas.
- **CTRL+S** = Saves the current model using the same name. A good general workflow practice is to USE THIS FUNCTION OFTEN.
- **CTRL+Shift+L** = Shows the “Layers” window that you can use to place shapes, texts and object elements in different layers (on top or below each other). Makes it easier to control many elements across specific layers.
- **CTRL+Shift+G** = Show a Grid-based canvas background. Useful for structuring and aligning elements on your canvas.
- **CTRL+G** = Groups elements together. Simply pick the elements you want, and the hit CTRL+G to group the elements together. Makes it easy to drag multiple elements around on the canvas while keeping the design intact.
- **CTRL+L** = Locks/unlocks elements (shapes, texts, objects, etc.) on the canvas. This is very useful for locking elements so that you do not accidentally delete or move them around unintentionally.

All of these highly useful functions are also available from the top main menu.

EXTRA TIPS:

- Make it a habit of turning on the “Grid” from the “View” menu. It enables a background grid where elements can “snap” to the lines. It makes it easy and convenient to keep your design elements aligned throughout the model canvas.
- Use the arrow keys to move elements by 1 point incrementally. Hold down SHIFT and use the arrow keys to move elements by 10 point incrementally. This makes it easier and more convenient to keep exact distances between design elements.

Enjoy your modelling journey!
We hope that you had a pleasant learning experience and that you gained valuable knowledge of how to work with E+!