# Luno Tools Data Mapper

## Description

Data Mapper aims to be a better alternative to adding private data via the Folder element. A disadvantage to adding private data in Switch via the normal way is that when you want to use the stored private data you have to remember the exact name of the private data tag.

When you don't know the exact tag name you have to:

- Close the variables panel where you wanted to use the private data
- Go to the folder element where the private data was stored
- Open the private data property editor
- Copy the tag of the private data
- Close the private data property editor again
- Go to the flow element where you want to use the private data
- Open the property where you want to use private data
- Choose the private data Switch variable
- Paste the private data tag name so it can be used

This problem doesn't happen when using Data Mapper to store data in a job. Data Mapper stores the data in an XML dataset with a fixed structure. When building a Switch variable based on an XML dataset (and having a sample job), you can see the contents of the XML dataset, avoiding the need to copy paste the tag name.

The settings below result in the dataset shown next to it:

Define multi-line text with variables: Info Map Lines			Build location	path		
	Select sample job					
er a multi-line text with variables	Name	Size Type	Modified	Job prefix	Flow element	
gName1=TagValue1 gName2=TagValue2	🧝 test.png 🛛	5.9 KB png File	08/07/2020 20:25	06BN4	Temp	
	Metadata dataset	Location path synt	ax			
	Embedded	O XMP location	path			
	<ul> <li>External</li> </ul>	<ul> <li>XML location</li> </ul>	path			
	Masterdata	<ul> <li>JDF location</li> </ul>		t by the encoified	location path will be interpreted	1 00 17
		O XPath express	ision	a by the specified	location path will be interpreted	as
Define variables	XML location path					
	/Data/TagName1					
Cancel	XML data tree					
	Name	Val	10			
	Data					
	@datasetCre		no Tools Data Mapper			
	TagName1		gValue1			
	TagName2	Ia	gValue2			
					Cancel	OF

Data Mapper also allows the use of comments to give extra information on the data maps (which are available in the XML dataset)

Define multi-line text with variables: Info Map Lines		Build location path	
Enter a multi-line text with variables	Select sample job	Size Type Mod	ífied
$\not\!\!\!//$ Lines starting with a double slash like this line are considered general comments and are ignored.	🦉 test.png	75.9 KB png File 08/	07/202
// In the following line a data map is done with "TagName1" is name of the Private Data or XML dataset tag and "TagValue1" as value TagName1=TagValue1 //The following line has a comment which will be added to the XML dataset. It can be used to add extra info, by example if the info map contains a dimension the comment can explain the unit of the dimension TagName2=TagValue2// This comment will be added to the XML dataset.	Embedded XM External XM Masterdata JD	on path syntax MP location path ML location path DF location path Path expression	Text'
Define variables	XML location path		
Define variables	/Data/TagName2		
	XML data tree		
	Name	Value	
Cancel OK	Cancel OK  V Data QedatasetCreator Luno Tools Data Mapper TagName1 TagValue1 V TagName2 TagValue2	TagValue1	
	<ul> <li>lagname2</li> <li>@comment</li> </ul>	This comment will be added to the XML dataset.	
		Cancel	ĸ

It is also possible to use separate properties to set the tag name and value. This way it is possible to:

- Store data with returns or equal signs in it.
- Store data created using a condition with variables or a script expression.

80	Properties			
Property	Value			
Name	Data Mapper			
Description				
Мар То	XML Dataset and Private Data			
XML Dataset Tag	Masterdata			
Info Map Lines	Multi-line text with variables defined			
Extra Map Name	tagname1			
Extra Map Value	tagValue			
Extra Map Comment	This is a comment			
Extra Map Name	tagname2			
Extra Map Value	Single-line text with vari	Inline value		
Extra Map Comment	None	Edit multi-line text		
Extra Map Name	None	Define single-line text with variables		
Extra Map Name	None	Define multi-line text with variables		
Extra Map Name	None	Define condition with variables		
Extra Map Name	None	Define script expression		
Extra Map Name	None			
Extra Map Name	None			
Extra Map Name	None			
Extra Map Name	None			

**Compatibility** Switch 18, update 3 and higher.

## Data Mapper properties

### • Map to

Choose if you wish to map the data to Private Data, an XML dataset or both.

Private Data can be used with only the Core Switch Module, however it requires you to remember the name of the Private Data tag when using it again.

An XML dataset requires the Metadata Module to be licensed. It has the additional benefit that you can use the Switch dataset browser to choose the right field from the dataset.

# • XML dataset tag

Choose the name of the XML dataset tag.

### Info map lines

In this property you can add data maps. Please check the default value for the structure of the property.

Adding data maps with this method works best if the data map doesn't have any of the following limitations:

- The value of the data map contains multiple lines.
- The value of the data map contains an equal sign.

- The value of the data map is calculated using a script expression or condition with variables.

If you wish to add data maps with any of the above limitations, please use the "Extra map" properties instead.

# • Extra map name

Name of the extra data map to be added.

• Extra map value Value of the extra data map to be added.

### • Extra map comment

Comment to add to the XML dataset for this data map. If none of empty no comment will be added.

This setting is only used when mapping to an XML dataset, it is ignored when mapping to private data.