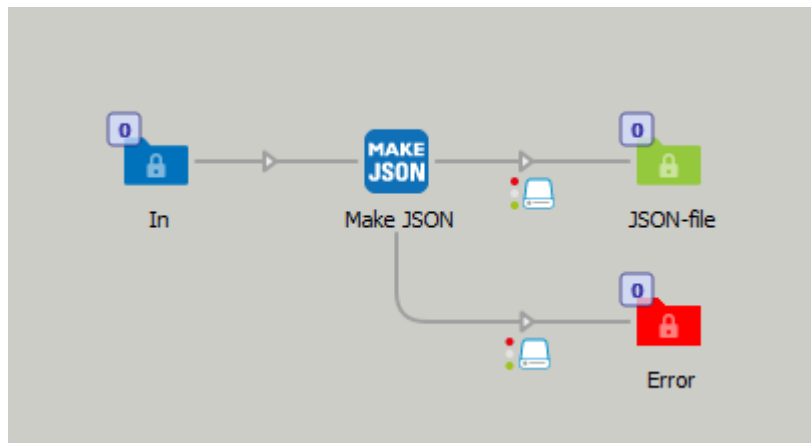


Make JSON V12

Description

Make JSON will let you create a JSON-file from text and Switch variables of your selection. This is a simple way to make JSON files for other uses in other systems outside of Switch.



This app is very simple, you have a multiline editor with variables where you can write your own JSON-code and add values from variables. For example you can pickup an XML file in Switch and make a JSON file out of it.

Note: If you in your variables specify the Xpath with defined key values the single quotes and double quotes will confuse Switch in how to define the variable values in the JSON code. With version 12 this is fixed and requires some special ways of defining the variable in the JSON code property.

Normally you specify an XML variable like this:

"[Metadata.Text:Dataset='order',Model='XML',Path='/order/[tag='Note']/value']" when you in this case write [tag='Note']. And this will not work because the quotes inside the square brackets needs to be different than the rest of the quotes in the variable.

With version 12 you can now correct this and get a valid JSON

'[Metadata.Text:Dataset="order",Model="XML",Path="/order/[tag='Note']/value"]'

With this way of writing in the variable Make JSON can handle this variable properly and write the value in the JSON. The app will then replace the single quotes around the value with proper double quotes.

Version 10 was a complete re-write of the app in NodeJS.

It adds JSON dataset to the output and a search and replace function when you create JSON Arrays in your code with square brackets in combination with Switch variables.

The created JSON can be displayed in Switch Messages Debug.

If your JSON isn't correct and valid it will go to the Error connection.

Switch can give you a warning that "*The value of the dynamic property 'myJson' cannot be converted to a string*". This will happen when a value in the JSON is something else than a text string, for example a number or boolean value.

If you name the app element with "debug_" at the beginning of the name it will show your JSON code giving you a chance to find eventual errors.

Compatibility

Switch 2021 Fall.

Windows or Mac OSX.

Connections

Make JSON has traffic light outgoing connection with Success and Error options. No settings are available for the outgoing connection.

Properties detailed info

Properties	
Property	Value
Element type	Make JSON
Name	Make JSON
Description	
Output file name	Single-line text with variables defined
JSON code	Multi-line text with variables defined
JSON Arrays uses	No
Add JSON dataset	No
Save as private data	No

Output file name

Set the name of the JSON-file.

JSON code

Multiline field to create the JSON with variables.

JSON Arrays uses

If you have arrays in your JSON they will conflict with the definition of Switch variables. If this property is set to "Yes" you can replace your JSON square brackets with something else. The values will then be replaced to make a correct JSON.

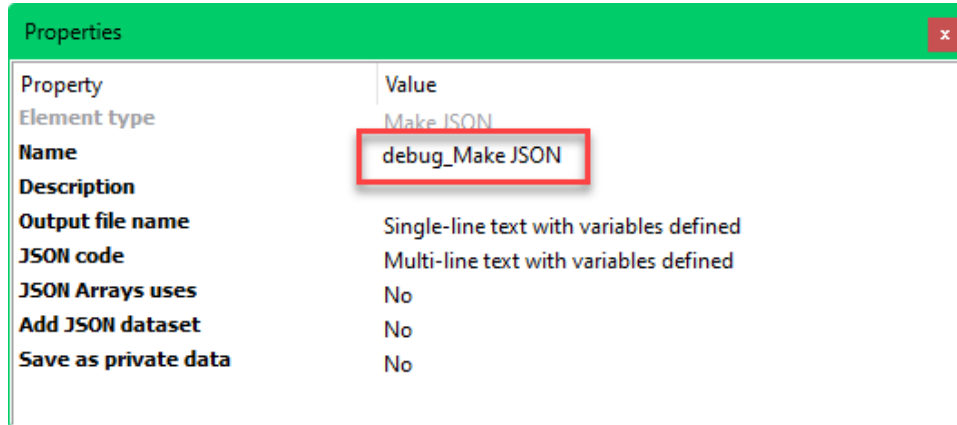
Properties	
Property	Value
Element type	Make JSON
Name	Make JSON
Description	
Output file name	Single-line text with variables defined
JSON code	Multi-line text with variables defined
JSON Arrays uses	Yes
<i>Replace left bracket</i>	##%
<i>Replace right bracket</i>	@#
Add JSON dataset	Yes
<i>Dataset name</i>	myJson
Save as private data	Yes
<i>Private data key</i>	jsonKey

Dataset name

The name of the JSON dataset.

Private data key

The key for the Private data that stores your JSON.



The image shows a 'Properties' dialog box with a green header and a red close button. The dialog contains a table with two columns: 'Property' and 'Value'. The 'Name' property is highlighted with a red box and contains the text 'debug_Make JSON'. Other properties include 'Element type' (Make JSON), 'Description', 'Output file name' (Single-line text with variables defined), 'JSON code' (Multi-line text with variables defined), 'JSON Arrays uses' (No), 'Add JSON dataset' (No), and 'Save as private data' (No).

Property	Value
Element type	Make JSON
Name	debug_Make JSON
Description	
Output file name	Single-line text with variables defined
JSON code	Multi-line text with variables defined
JSON Arrays uses	No
Add JSON dataset	No
Save as private data	No

New in version 11

Bugfix when Add dataset was set to "No".

New in version 12

Correct handling of keys in XPath in XML variables.