JSON SPLITTER

Description

The JSON splitter app breaks up JSON on a repeating node element.

App Usage

The usage of the app is based on parent node to child node relationship within the hierarchy of the JSON searched.
A direct parent to child node relationship or a recursive search can be performed for the node looked for in relation to the parent node.

If no parent node given the parent context will be the root of the JSON.

There is the ability to filter based on the presence of a node or nodes. The filtering methodology can look for specific values on the node specified using standard comparison types.

A flow has been provided that illustrates the usage of the app.

Private data added to job

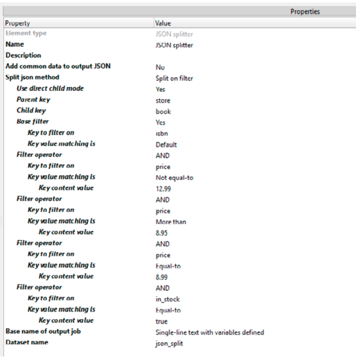
On success:

- json_split.count - the count of the number of results output
- json_split.status - indicates status of the job - Success or Error
- json_split.query - query that was run to get data

On error(if nothing matched):

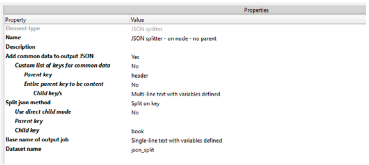
- json_split.status - indicates status of the job - Success or Error
- json_split.message- error message
- json_split.query - query that was run to get data

Overview of configuration options



Properties

Property	Value
Element type	JSON splitter
Name	JSON splitter
Description	
Add common data to output JSON	No
Split json method	Split on filter
Use direct child mode	Yes
Parent key	store
Child key	book
Base filter	Yes
Key to filter on	isbn
Key value matching is	Default
Filter operator	AND
Key to filter on	price
Key value matching is	Not equal-to
Key content value	12.99
Filter operator	AND
Key to filter on	price
Key value matching is	More than
Key content value	8.95
Filter operator	AND
Key to filter on	price
Key value matching is	Equal-to
Key content value	8.99
Filter operator	AND
Key to filter on	in_stock
Key value matching is	Equal-to
Key content value	true
Base name of output job	Single-line text with variables defined
Dataset name	json_split



Properties

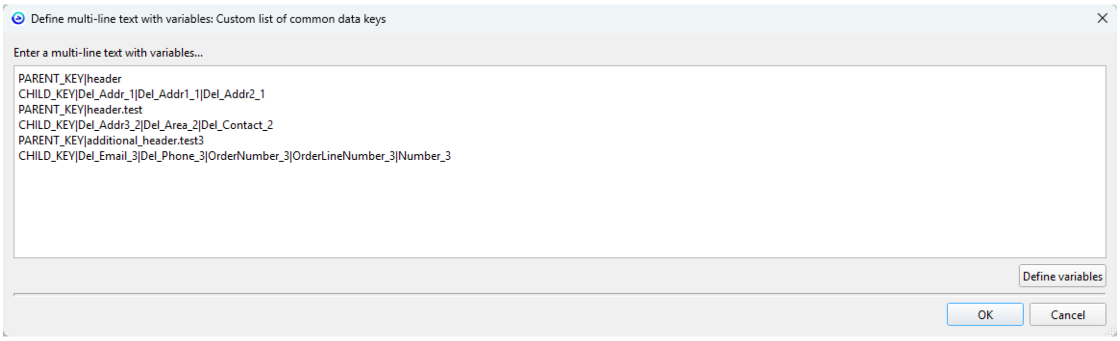
Property	Value
Element type	JSON splitter
Name	JSON splitter - on node - no parent
Description	
Add common data to output JSON	Yes
Custom list of keys for common data	No
Parent key	header
Entire parent key to be content	No
Child key/s	Multi-line text with variables defined
Split json method	Split on key
Use direct child mode	No
Parent key	
Child key	book
Base name of output job	Single-line text with variables defined
Dataset name	json_split

Configuration of app in Switch using a search based on a filter(Split on filter) and search based on a node(Split on key).

Overview of configuration options, cnt’d

Element	Options	Element Type	Description
Name		String	Name of app element in Switch.
Description		String	Description of element in Switch.
Add common data to output JSON		Yes/No list	Add common data, eg. client related data that should be kept with individual orders on a W2P order.
	Custom list of keys for common data	Yes/No list	If ‘Yes’ this then allows the setting of custom strings for parent & child node names.
	Parent key	Single-line text/ Single-line text with variables/Script expression	If ‘Custom list of keys for common data’ is No, then name of parent node under which child nodes are to be found can be specified. If no parent key given the child keys will be direct children of the root of the JSON.
	Entire parent key to be content	Yes/No List	Is the content of the entire parent to be the content of the common data.
	Child key/s	Multi-line text with variables/Script expression	If parent is not content then specify list of child nodes to be gotten. If script expression an array of string values that are the names of the child nodes must be returned.
	Custom list of common data keys	Multi-line text with variables/Script expression	If ‘Custom list of keys for common data’ is Yes, set list of parent/child keys. The form must follow the following example: **PARENT_Key|parent_key_name** **CHILD_KeyS|child_key_1|child_key_2|child_key_3** By means of the above designation of the parent/child key names, keys can be gotten from multiple parent locations to build out the content of the header key added to the JSON to contain the prefix data. With keys gotten from multiple locations there should not be duplicate key names. See flow example for usage. If script expression option chosen then result must mirror the example text, ie. an array of strings with form given above.

Configuration for parent/child relationship


Define multi-line text with variables: Custom list of common data keys
Enter a multi-line text with variables...
Define variables
OK
Cancel

```
PARENT_KEY|header
CHILD_KEY|Del_Addr_1|Del_Addr1_1|Del_Addr2_1
PARENT_KEY|header.test
CHILD_KEY|Del_Addr3_2|Del_Area_2|Del_Contact_2
PARENT_KEY|additional_header.test3
CHILD_KEY|Del_Email_3|Del_Phone_3|OrderNumber_3|OrderLineNumber_3|Number_3
```

Example of multi parent setup for common keys.

Overview of configuration options, cnt'd

Element	Options	Element Type	Description
Split json method		Drop down list	2 methodologies to perform search: **Split on key**: Derive data to be gotten from a key that exists in the children key/s to be gotten for creating the repeating data to be output. **Split on value**: Search for a matching value in the key specified that exists in the children key/s to be output for the repeating data.
	Use direct child mode	Yes/No list	If **Yes**, then the child key searched for must be a direct child of the parent key specified. If no parent specified then the child key given will become the direct child of the root of the JSON. If **No**, then the searched for key can exist anywhere under the parent key specified. If no parent key given then the child key will found anywhere under the root of the JSON.
	Parent key	Single-line text/ Single-line text with variables/Script expression	If 'Use direct child mode' is **Yes**, then name of the key given for 'Child key' must be a direct descendant of the key specified here, ie. the child key is chained to the key specified here.. Else the child key name specified for 'Child key' can exist anywhere under the key name specified here.
	Child key	Single-line text/ Single-line text with variables/Script expression	Name of the child key searched for. Note comments made for 'Use direct child mode?'.
	Filter 1	Yes	If using filters to generate split JSON, this field is mandatory. As it is mandatory for the use of filters, it does not indicate None, or AND or OR
	Filter 2/3/4/5	None/Drop down/ Single line text with variables/Script expression	If using more than one filter up to five filters, these fields will ask if this is an '**AND**' or '**OR**' filter. Options are: **None** This will not add a another value as a filter. **AND** This will make this argument bound to the previous argument for the search to return true. **OR** This will make this argument optional in relation to the previous argument for the match to be true.
	Key to filter on	Single-line text/ Single-line text with variables/Script expression	Can just be a key name to look for or used as the key to access the content that makes the condition true for the content of child key searched for to be split out for outputting as JSON.

Configuration for JSON parsing

Overview of configuration options, cnt’d

Element	Options	Element Type	Description
	Key value matching is	Default/Dropdown list/Single-line text with variables/ Script expression	**Default**: Checks if the key specified exists in the repeating data to be output. If the key is found the result will be true regardless of the value set on the key. Anything else except default: Checks the value set on the key specified according to the relational operator specified. **More than** : > : use for numbers **Less than** : < : use for numbers **More than or equal-to** : >= : use for numbers **Less than or equal-to** : <= : use for numbers **Equal-to** : == : use for numbers and strings **Not equal-to** : != : use for numbers and strings
	Key content value		Fixed value for relational check.
Base name of output job		Single-line text/ Single-line text with variables/Script expression	Indicate the name to be used for the JSON output. **[Job.NameProper]** is the default. The word split will be added to the designated name for the output job, plus a sequence number. Name will look something like the following(data being the designated name): data_split_1.json
Dataset name(outgoing)		Single-line text	Name of outgoing dataset.

Configuration for JSON parsing