

Flatten nested array json object to one column

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:22 PM PST

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Issue:

The customer has a json file with a nested array object and would like to map this complex field into a single field in the sink. The data looks like:

```
...
"queueList":[
  {"reservedSlots":0,"qname":"idle.q","totalSlots":20,"state":"","qtype":"BIP","usedSlots":16},
  {"reservedSlots":0,"qname":"display.q","totalSlots":60,"state":"","qtype":"BIP","usedSlots":8},
  {"reservedSlots":0,"qname":"all.q","totalSlots":8,"state":"","qtype":"BIP","usedSlots":8}
]
...
```

When the customer imports the schema, each nested object of the array is mapped to a different column:

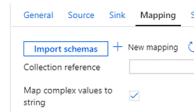
▼ queueList	[] array		
reservedSlots	123 integer	→	Edit column ▼
qname	abc string	→	Edit column ▼
totalSlots	123 integer	→	Edit column ▼
state	abc string	→	Edit column ▼
qtype	abc string	→	Edit column ▼
usedSlots	123 integer	→	Edit column ▼

Although, the customer would like to have on single column, as:

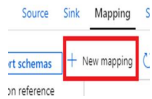
queueList	ANY any	→	queueList (varchar) ▼
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Resolution:

1. First, check 'Map complex columns to string'



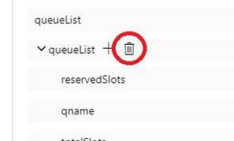
2. Right above the complex column, click on the + sign and 'Add a node', or '+ New mapping'



3. Edit the mapping manually as:

swapTotal	123 number	→	swapTotal (decimal) ▼	✓
queueList	any any	→	queueList (varchar) ▼	✓

4. Erase the complex mapping



5. The end result should be:

memTotal	123 number	→	memTotal (decimal) ▼	✓
swapTotal	123 number	→	swapTotal (decimal) ▼	✓
queueList	any any	→	queueList (varchar) ▼	✓
poll_epoch	123 number	→	poll_epoch (decimal) ▼	✓

Additional Information:

- **References:** Case ID:120031522000297

- **Author:** ganespol
- **Reviewer:**
- **Keywords:** Copy, Json, Flatten, Mapping, Complex Column

Created with Microsoft OneNote 2016.

How good have you found this content?

