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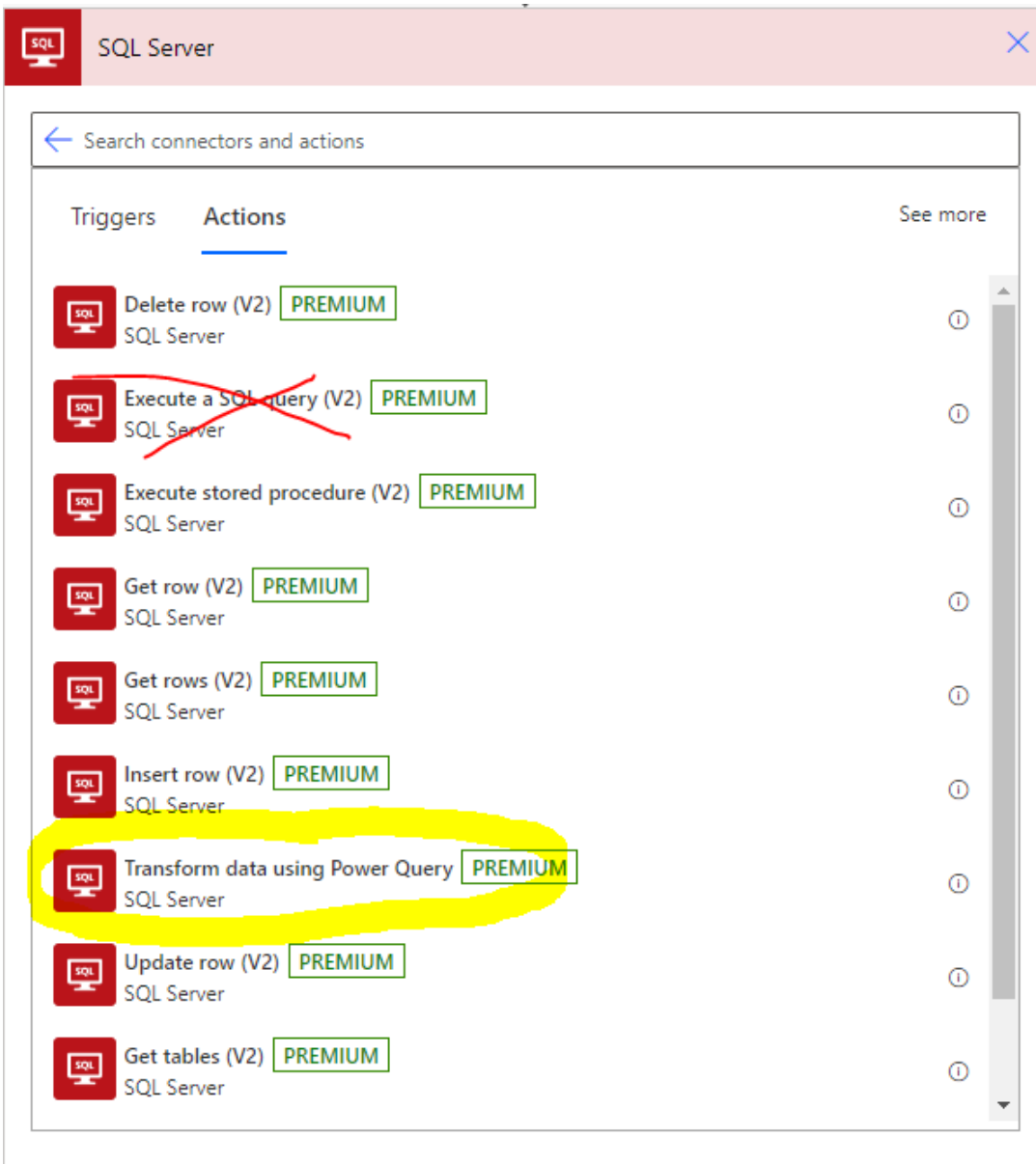
Déc

[Power Automate: execute a SQL Query via On-Promise Gateway](#)

Posté par [Aymeric](#) le vendredi 9 décembre 2022 Publié dans [Divers](#), [English](#), [Niveau expert](#) Partager sur [f](#) [+](#) [t](#)

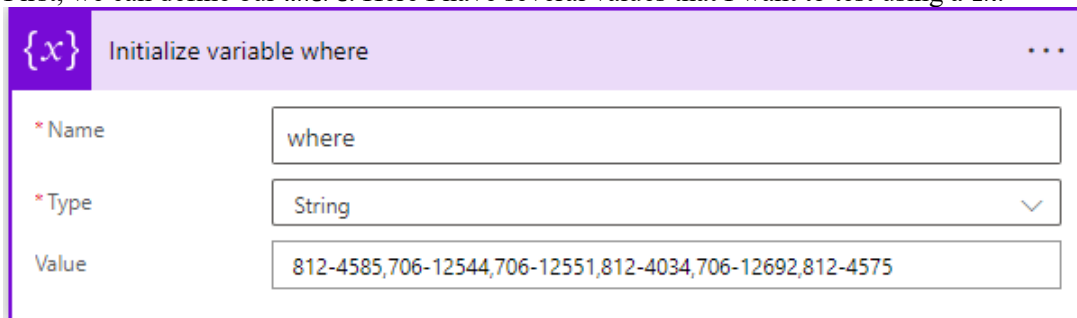
In Power Automate, when you want to connect to a SQL Server and if you have a On-Promise Gateway, then you cannot use the command « **Execute a SQL Query** » because it will say it's not currently supported.

There is a workaround with « **Transform data using Power Query** » (ATTENTION: you cannot load it from a flow from a Solution... you'll have to go to your Flows and edit the flow from there):



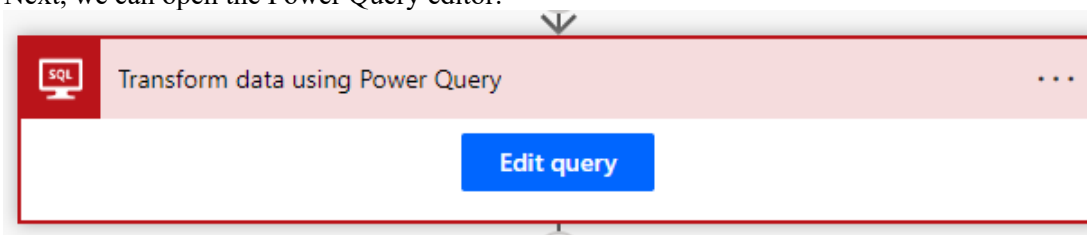
Let's say we have 3 tables: ITEM_CATALOG, CATALOG and CURRENCY. We want to join them and filter them based on a variable found previously in our flow.

First, we can define our where. Here I have several values that I want to test using a IN:

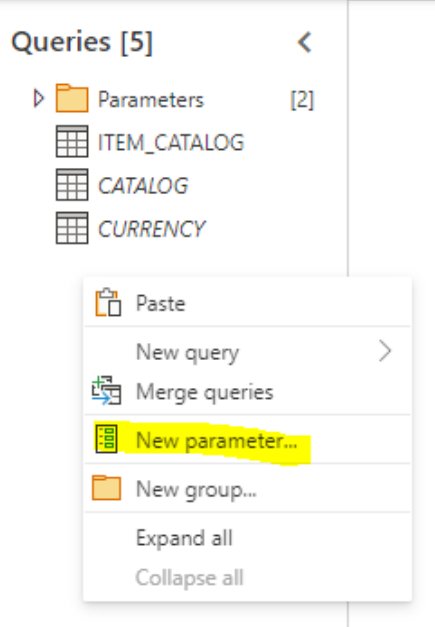


I create a string with my different values separated by a coma.

Next, we can open the Power Query editor:



In the interface, we choose the 3 tables we need to merge and we add a parameter called « where »:



We rename it to « where » and leave the default settings:

Manage parameters ?

New

ABC Server	
ABC Database	
ABC where	X

Name:

Description:

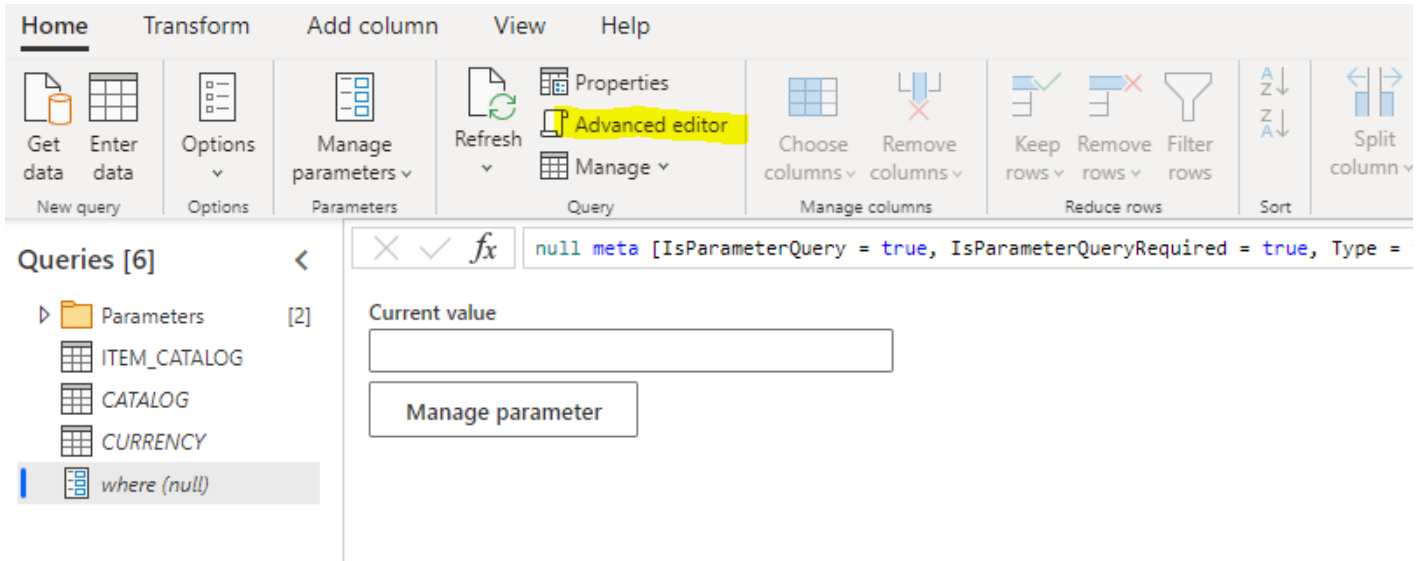
Required

Type:

Suggested values:

Current value:

Then we use the « **Advance Editor** »:



And we wrote the below:

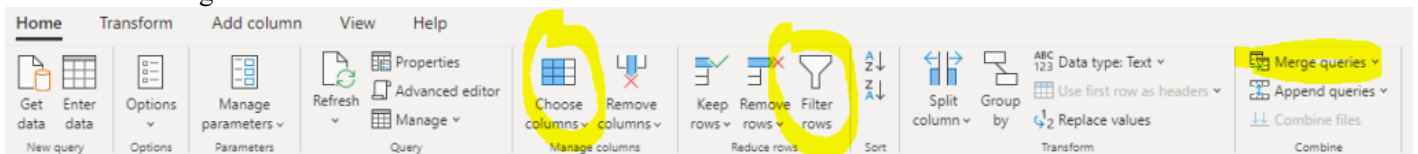
```
let
  where = Text.Split( "@{variables('where')}}" , ",")
in
  where
```

It means we want to split the variable « where » coming from the flow, based on the coma separator:

Advanced editor

```
1 let
2   where = Text.Split( "@{variables('where')}}" , ",")
3 in
4   where
```

We can now merge the tables and add a filter:



And when the step to filter is here, we select « in » and our query:

Filter rows ?

Apply one or more filter conditions to the rows in this table.

Basic Advanced

Keep rows where "sku_num"

In Not in Between Not between

and or

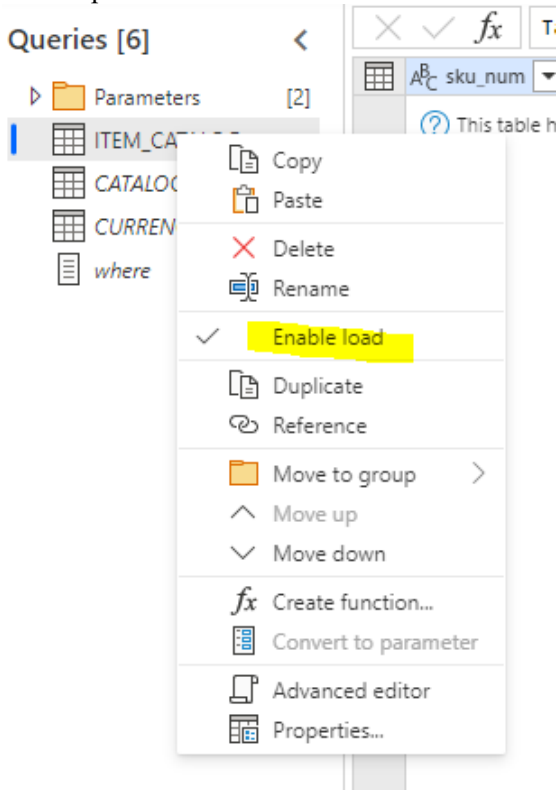
Enter a value

Select a parameter

Select a query

OK Cancel

Last step is to « **Enable Load** » to make sure this is what the operation will return to our flow:



You can run it to test and see if it works.

Then, to get the output from it, we'll use a « **Parse JSON** »... The schema is probably something like:

```
{
  "type": "object",
  "properties": {
    "resultType": {
      "type": "string"
    },
    "value": {
      "type": "array",
      "items": {
        "type": "object",
        "properties": {
          "COLUMN_A": {
            "type": "string"
          },
          "COLUMN_B": {
            "type": "integer"
          },
          "COLUMN_C": {
            "type": "string"
          }
        },
        "required": [
          "COLUMN_A",
          "COLUMN_B",
          "COLUMN_C"
        ]
      }
    }
  }
}
```

You may need to make several tries in order to find the correct schema. You can also use the « **Generate from sample** » by pasting the data from the previous step:

The screenshot shows the 'Parse JSON' step configuration in Power Query. The 'Content' field is set to 'Body x'. The 'Schema' field contains a JSON schema snippet:

```
body("Transform_data_using_Power_Query")
{
  "type": "object",
  "properties": {
    "resultType": {
      "type": "string"
    },
    "value": {
      "type": "array",
      "items": {
        "type": "object",
```

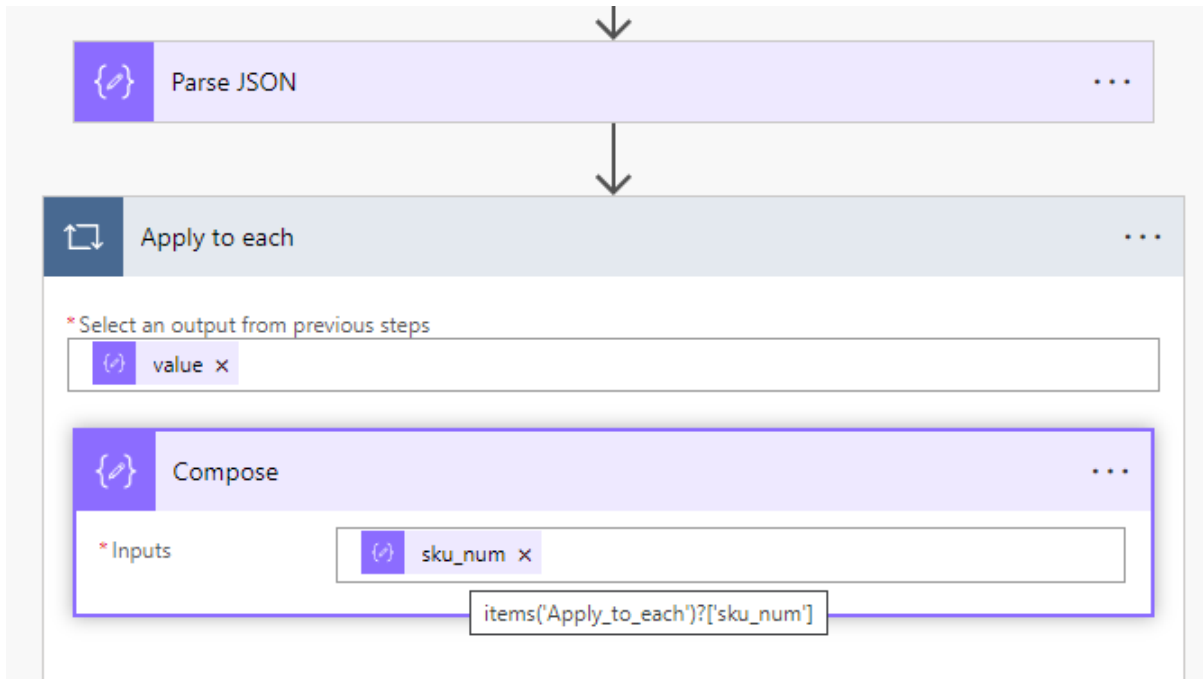
Below the schema is a 'Generate from sample' button.

We use « **value** » in the loop:

The screenshot shows the 'Apply to each' step configuration. The 'Select an output from previous steps' field is set to 'value x'. The 'Compose' step is highlighted with a blue border and has 'sku_num x' in its 'Inputs' field. The 'Apply to each' step's formula bar contains the expression:

```
body("Parse_JSON")?["value"]
```

And then we can access our columns:



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