

What is a Parameter

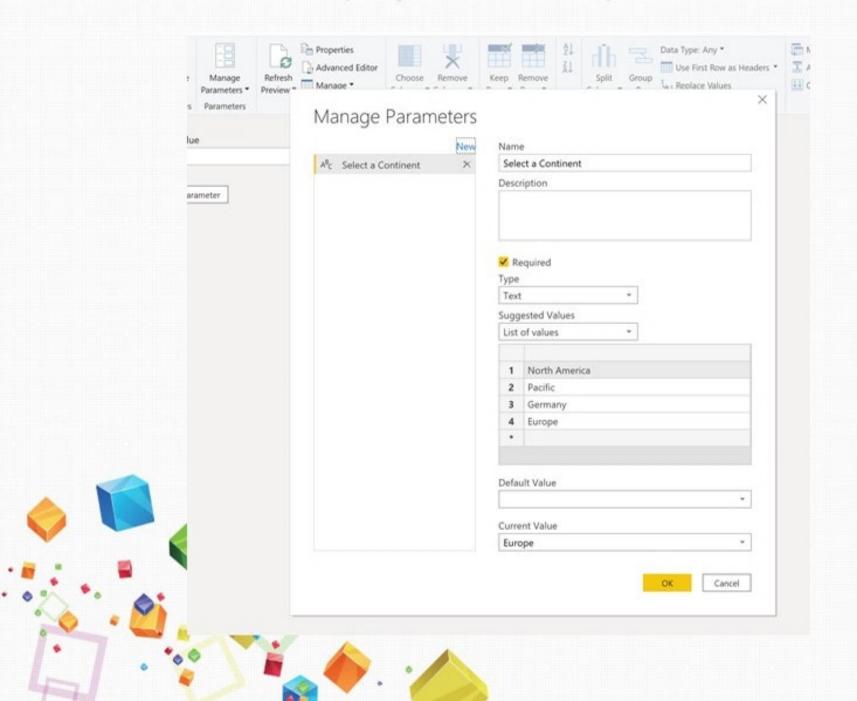
- In Power bi you can specify parameter at the data level(in your query editor) to segment the data according to the selections of the parameter.
- When you add a Parameter, the workbook updaes as per the values passed in a parameter.
- Remember to create a parameter and then add it to a field that will be used to filter the values.
- Parameter are available at Power BI services also, but there are some limitations.

parameter:

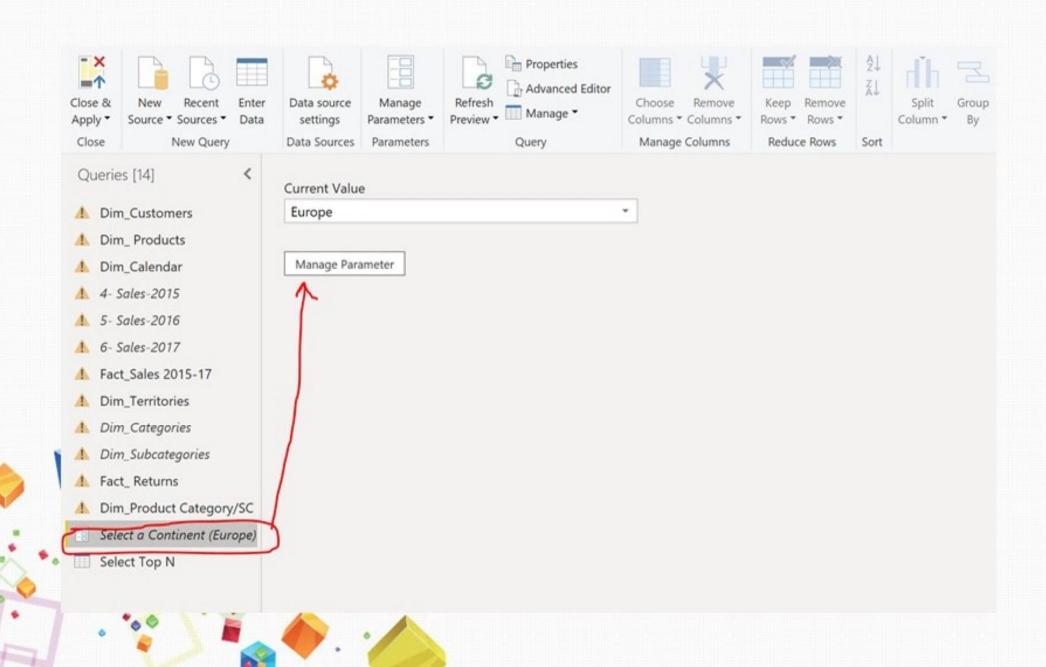
Create new parameters and specify metadata and settings for each parameter:

- Parameter Name.
- Parameter Description: This will be displayed next to the parameter name in downstream experiences, and helps the user who is specifying the parameter value to better understand the purpose and semantics of this parameter.
- Optional vs. Required: Users can specify whether a certain parameter is optional or a value for that parameter must be specified (required).
- Parameter Type: This field applies a Data Type restriction on the input value for the parameter. For instance, users can define a parameter of type Text, or Date/Time. Users can also specify Any type for more flexibility.
- Parameter Accepted Values: In addition to Data Type restrictions, users can
 apply further restrictions to the allowed values for a given parameter. For
 instance, users could specify that the Data Type for a parameter is Text and
 restrict the acceptable values to a static list of Text values. Users will then be
 able to pick one of these values when specifying the parameter value to

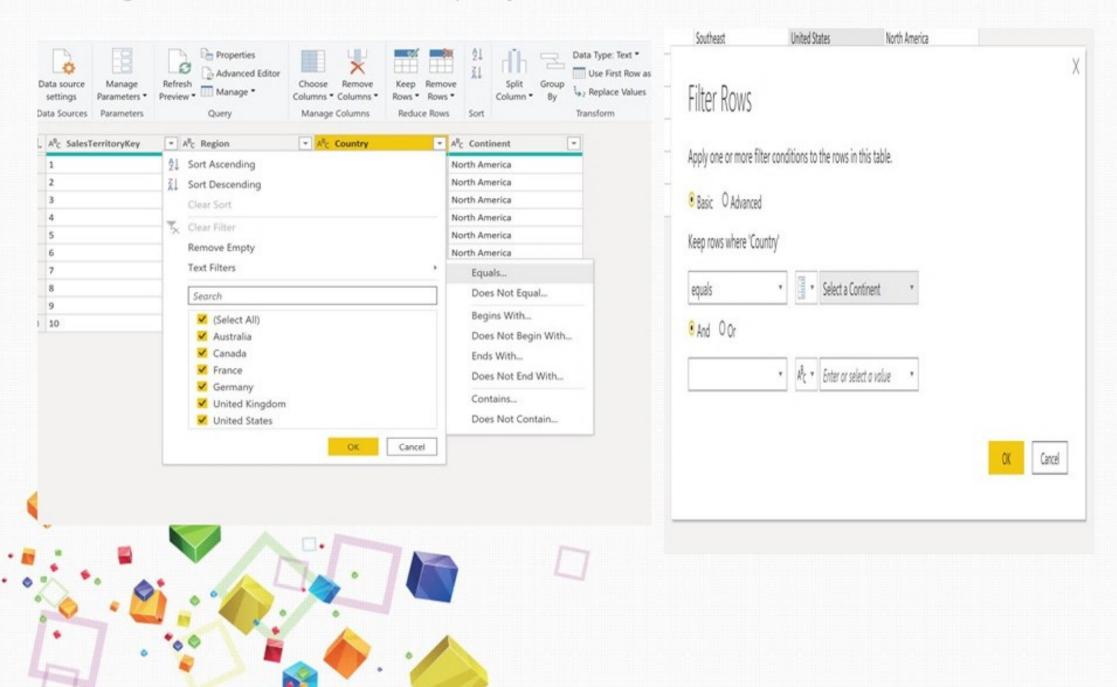
Once we open the Query editor and click on Manage Parameter, we get a dialogue box like below. Here we can specify the values of the parameter.



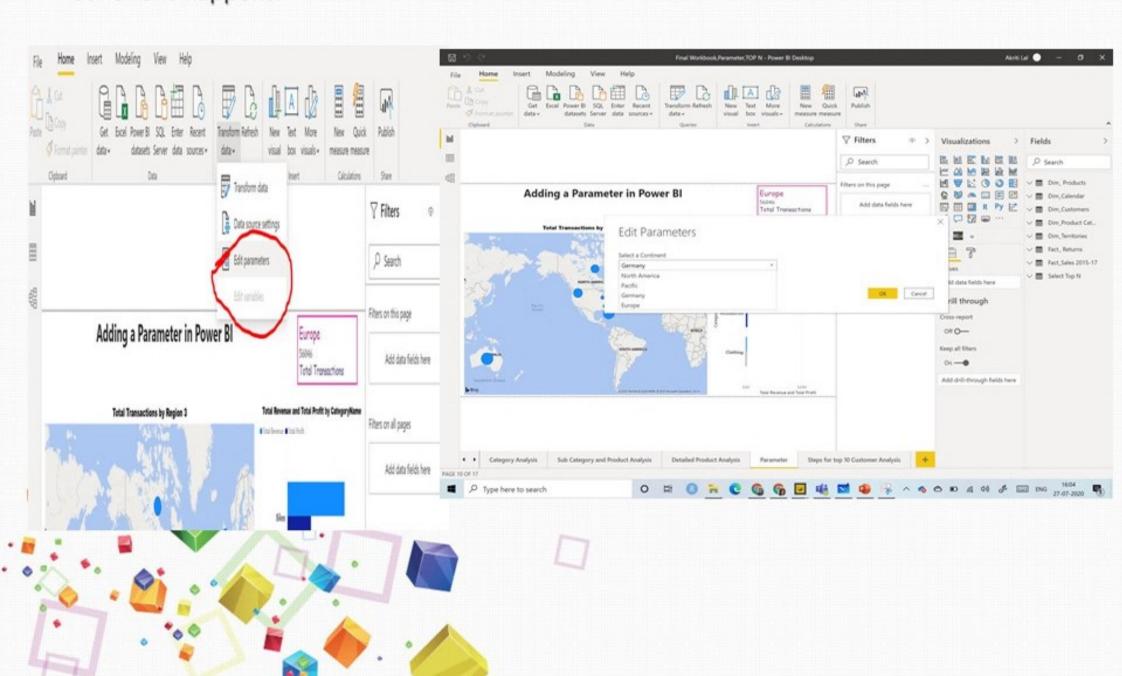
After we add a Parameter, on the left pane we can see a new table with parameter name and we will be able to see all the continents in the dropdown of the current value. We have to add this parameter to a valid data on which we want this to work.



So, we will go to the territory table as we want to see the value of the territory that we select. Open the field from the right \rightarrow Text Filters \rightarrow Equals \rightarrow and we will get another dialogue box like below screen to specify the value



Once the parameter is added to a field in the data, now when we go to Power BI desktop and from the dropdown of Transform Data; we will get Edit Parameter. When you pick a particular Continent from here, you will only get the data after the filtering of that Continent happens.



Limitations of Parameter

- Reports can only be published from Power BI desktop, other publishing processes, such as SharePoint/One Drive will not work.
- If you are using the RestAPI to publish your reports, you can manage parameters in the Power BI Service.
- Even though the parameters are multivalued in Power BI desktop, once you
 publish to the Power BI service, the value of the parameter needs to be typed
 in by the developer.
- Power BI Parameters will only work in import mode, irrespective of data source type.
- To modify the parameters in the service, the developer will need admining the service of the gateway on which the source system resides.