

Drillthrough Filters in Power BI

Version 1.0

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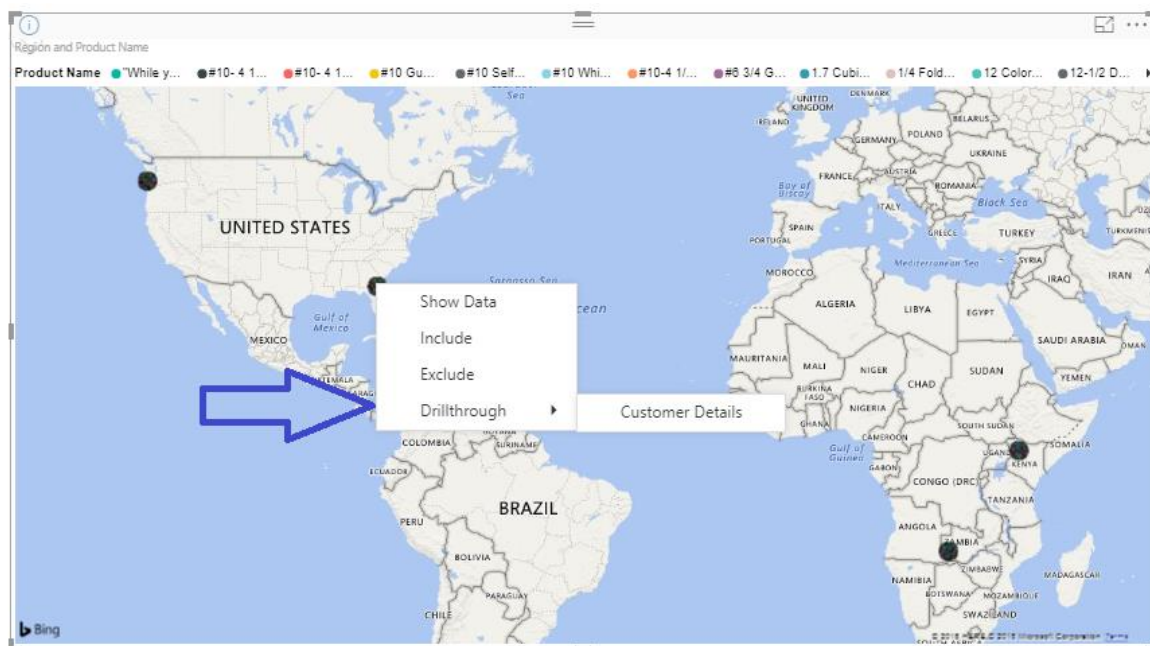
Date: 17 May 2018

Purpose

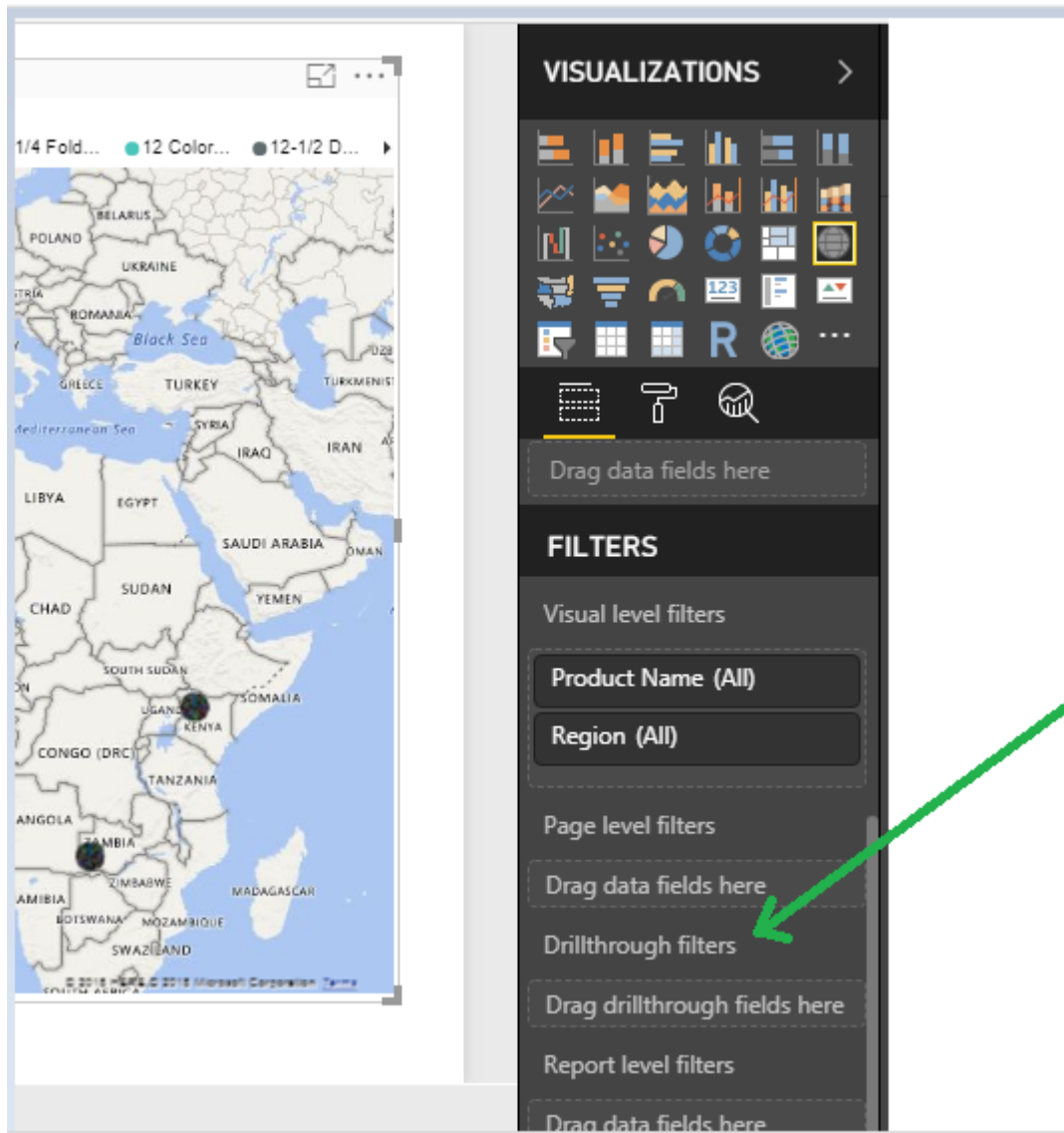
This document covers the concept of “Drillthrough Filters” in Power BI Desktop. This is high level document created and assumes that resource has basic knowledge of Power BI Concepts.

What are Drillthrough Filters?

These are the filters in Power BI which apply to a single entity in a report, with which we can create destination page in the report that focuses on a that specific entity - such as a product, customer, or country. Users can drillthrough to the focused page by doing right click on a data point for that entity from other report pages to get filtered details for that context.

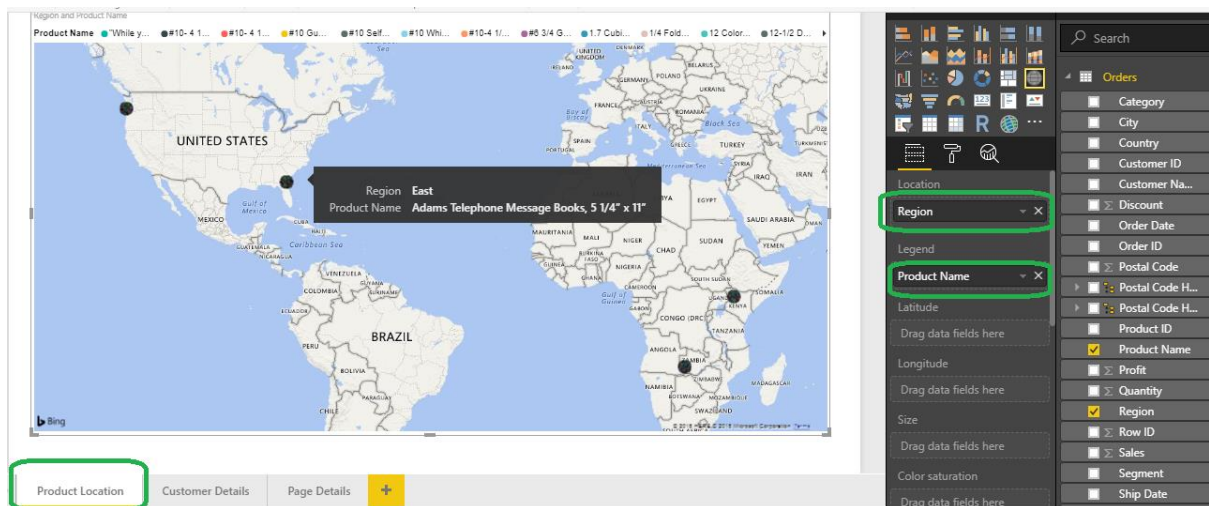


We drag the field which we want to drillthrough in below highlighted area called **Drillthrough bucket**.



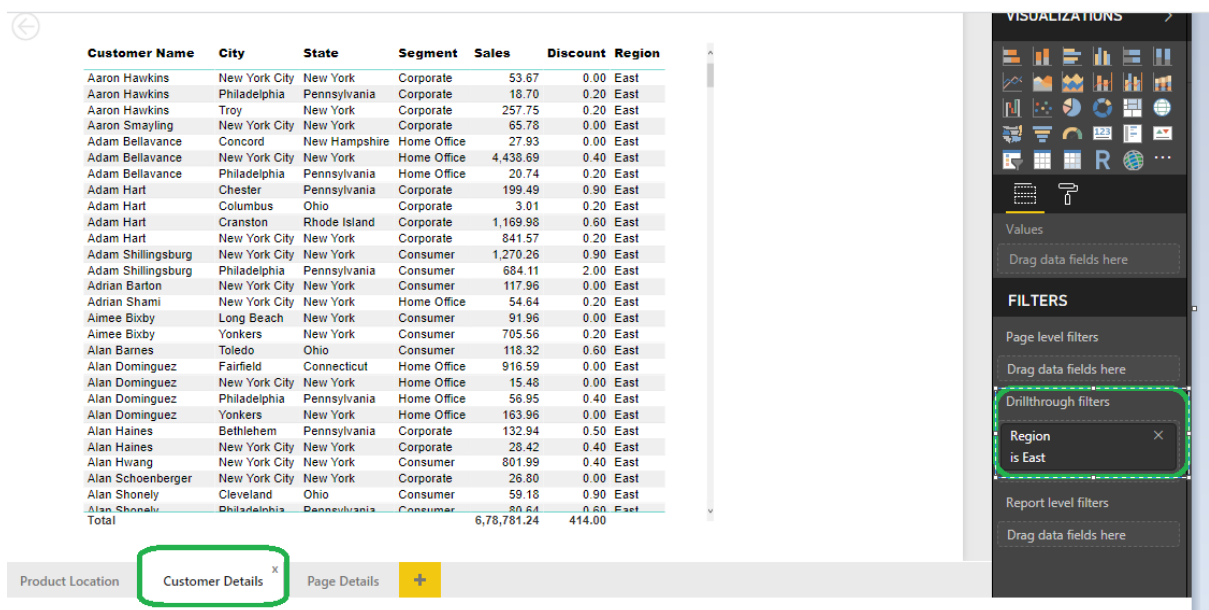
How to create and use Drillthrough Filters?

1. Create any sample report in Power BI Desktop.
2. Add an originating page (for which we want to opt drillthrough) named **"Product Location"** having the desired visuals which with the entity on which we will provide drillthrough.

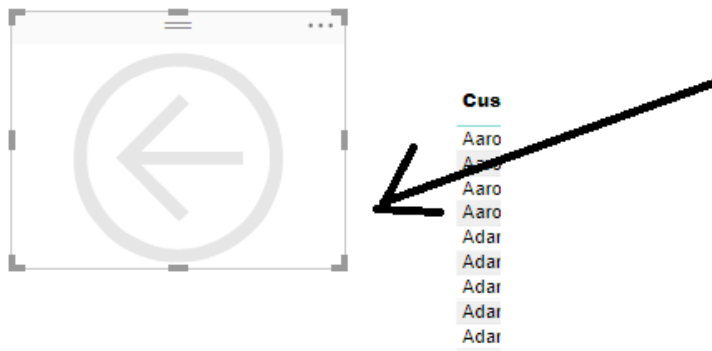


3. Now create another page “**Customer Details**” which will be a drillthrough destination page.

4. After this, drag the field into the **Drillthrough filters** bucket in the **Fields** section of **Visualizations** pane for which we want to drillthrough. For instance, we are adding “**Region**” as shown in below image.

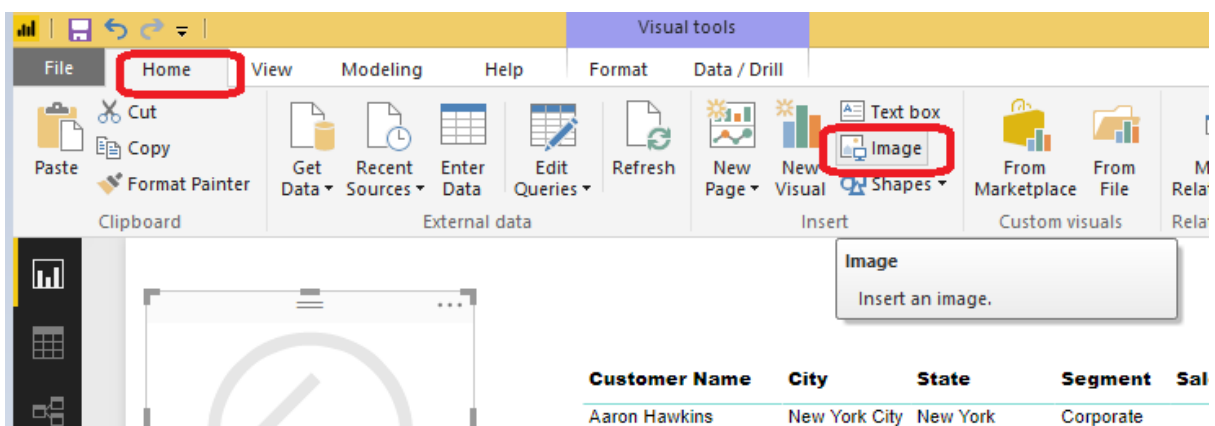


5. A back button visual will be created automatically by Power BI desktop when the field is added in the **Drillthrough filters** bucket. This will become a button in published reports and helps users in Power BI Service to go back to the originating report page “**Product location**” from which they selected to drill through.

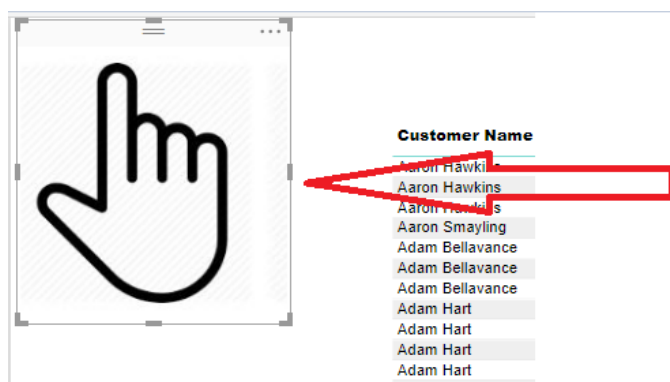


We can also replace image of this visual with our desirable image by following the below steps:

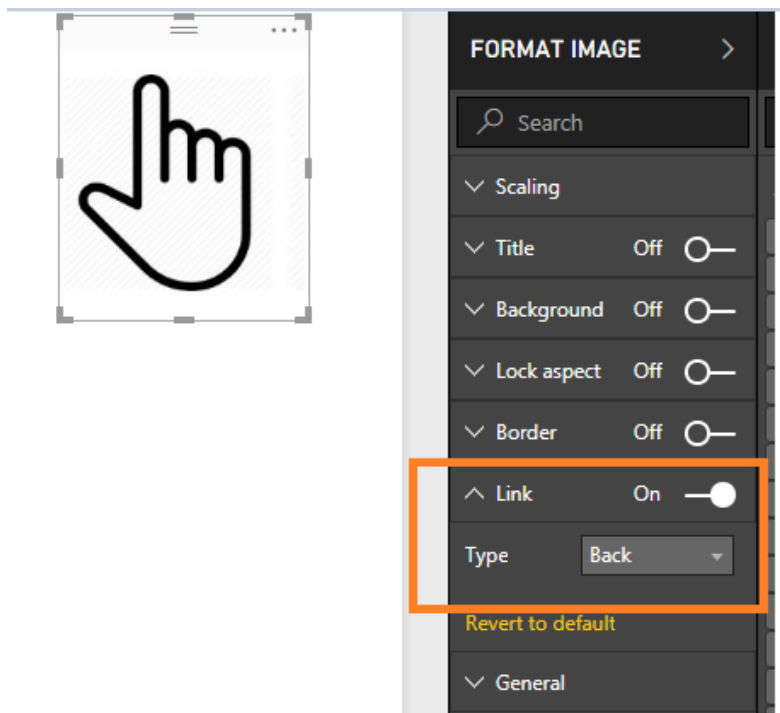
- Go to **Home** tab and click on **Image** icon.



- Insert the desired image on drillthrough page by selecting it from the placed location.

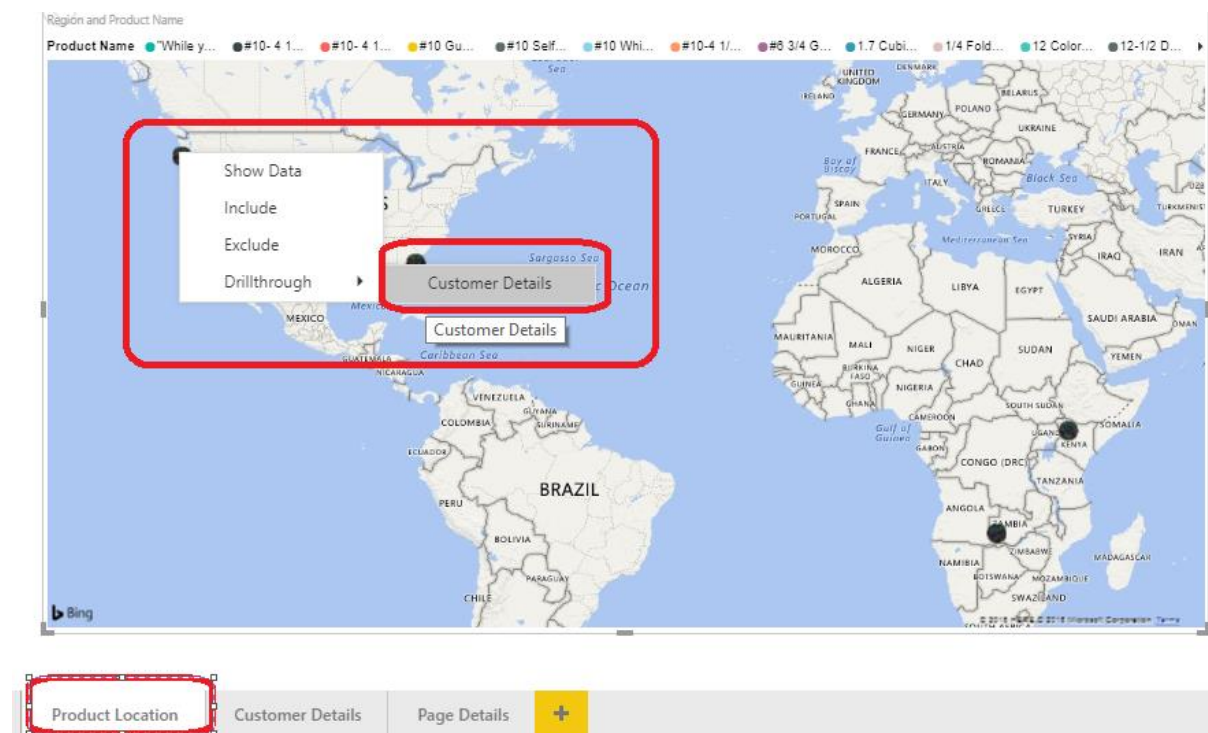


- Select the new image and set the **Link** slider to **ON** and set the **Type** to **Back** under the **Format Image** section so that the image start functioning as a back button.



6. After the completion of drillthrough page “Customer Details” we will right click on data point in the originating (Source) page “Product Location” which uses the field “Region” which we put in the Drillthrough filters bucket, the following highlighted dropdown box appears which will take us to the Drillthrough (Destination) page.

Originating (Source) Page



Drillthrough (Destination) page

The screenshot displays a data visualization interface. On the left, a table lists customer data with columns: Customer Name, City, State, Segment, Sales, Discount, and Region. The 'Region' column is highlighted with a red box. A hand icon points to the table. On the right, a sidebar titled 'VISUALIZATIONS' contains various chart icons and filter sections. The 'Drillthrough filters' section is highlighted with a red box, showing 'Region is East' as the selected filter. The bottom navigation bar shows 'Product Location', 'Customer Details' (highlighted with a red box), and 'Page Details'.

Customer Name	City	State	Segment	Sales	Discount	Region
Aaron Hawkins	New York City	New York	Corporate	53.67	0.0	East
Aaron Hawkins	Philadelphia	Pennsylvania	Corporate	18.70	0.2	East
Aaron Hawkins	Troy	New York	Corporate	257.75	0.2	East
Aaron Smayling	New York City	New York	Corporate	65.78	0.0	East
Adam Bellavance	Concord	New Hampshire	Home Office	27.93	0.0	East
Adam Bellavance	New York City	New York	Home Office	4,438.69	0.4	East
Adam Bellavance	Philadelphia	Pennsylvania	Home Office	20.74	0.2	East
Adam Hart	Chester	Pennsylvania	Corporate	199.49	0.9	East
Adam Hart	Columbus	Ohio	Corporate	3.01	0.2	East
Adam Hart	Cranston	Rhode Island	Corporate	1,169.98	0.6	East
Adam Hart	New York City	New York	Corporate	841.57	0.2	East
Adam Shillingsburg	New York City	New York	Consumer	1,270.26	0.9	East
Adam Shillingsburg	Philadelphia	Pennsylvania	Consumer	684.11	2.0	East
Adrian Barton	New York City	New York	Consumer	117.96	0.0	East
Adrian Shami	New York City	New York	Home Office	54.64	0.2	East
Aimee Bixby	Long Beach	New York	Consumer	91.96	0.0	East
Aimee Bixby	Yonkers	New York	Consumer	705.56	0.2	East
Alan Barnes	Toledo	Ohio	Consumer	118.32	0.6	East
Alan Dominguez	Fairfield	Connecticut	Home Office	916.59	0.0	East
Alan Dominguez	New York City	New York	Home Office	15.48	0.0	East
Alan Dominguez	Philadelphia	Pennsylvania	Home Office	56.95	0.4	East
Alan Dominguez	Yonkers	New York	Home Office	163.96	0.0	East
Alan Haines	Bethlehem	Pennsylvania	Corporate	132.94	0.5	East
Alan Haines	New York City	New York	Corporate	26.42	0.4	East
Alan Hvang	New York City	New York	Consumer	801.99	0.4	East
Alan Schoenberger	New York City	New York	Corporate	26.80	0.0	East
Alan Shonely	Cleveland	Ohio	Consumer	59.18	0.90	East
Alan Shonely	Philadelphia	Pennsylvania	Consumer	80.64	0.60	East
Total				6,78,781.24	414.00	

Please note when we choose to drillthrough, the destination page is filtered and show the information about the selected data point. As seen in above image, we right clicked on data point on source page having region "East" and it shows the data on destination page for that only region.