Cecilia Brusatori

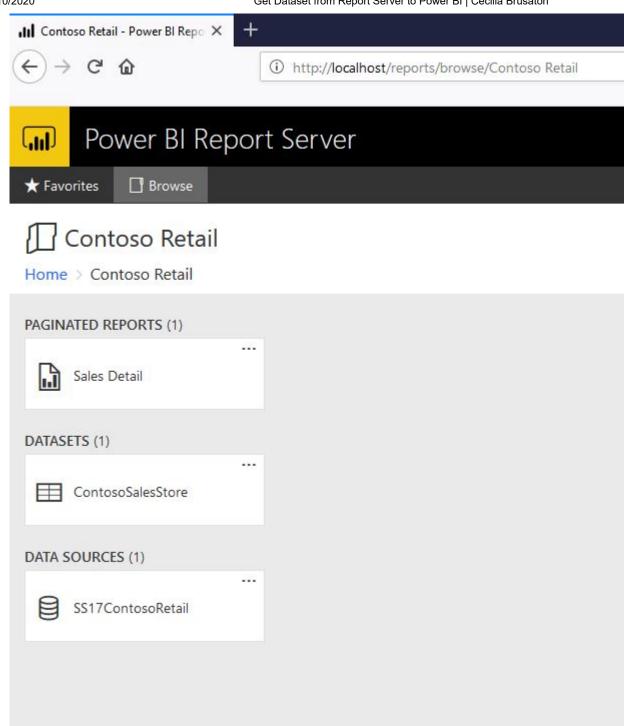
Get Data from Report Server to Power BI

Posted on September 4, 2019 by Cecilia Brusatori

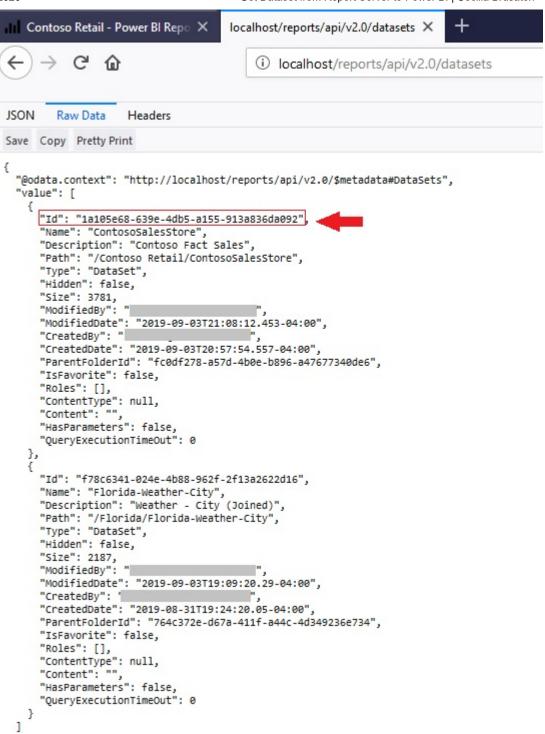
If your organization is using SSRS 2017 or Power BI Report Server, you may want to use this API to get data from a dataset already there. We will go through the steps to accomplish this task.

You can find the API documentation: https://app.swaggerhub.com/apis/microsoft-rs/SSRS/2.0#/

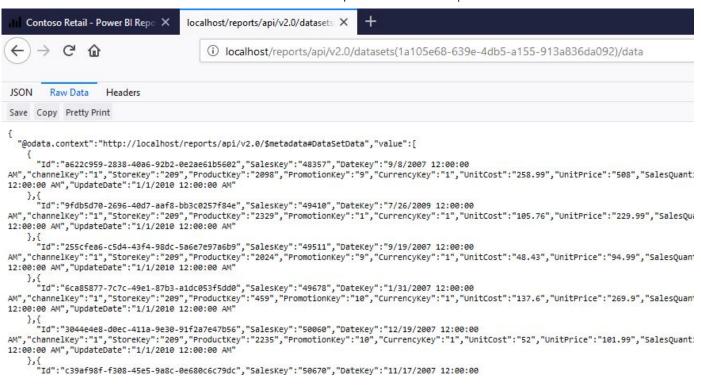
For this demo, I will bring data from "ContosoSalesStore" dataset:



Go to your browser, use the URL to access your report server, add "/api/v2.0/datasets" to navigate the datasets available and identify the ID for the one you want to connect to. (localhost/reports/api/v2.0)



Once you identified your dataset, use the "id" to take a look at the dataset by adding "api/v2.0/datasets([id])/data"=> "http://localhost/reports/api/v2.0/datasets(1a105e68-639e-4db5-a155-913a836da092)/data"

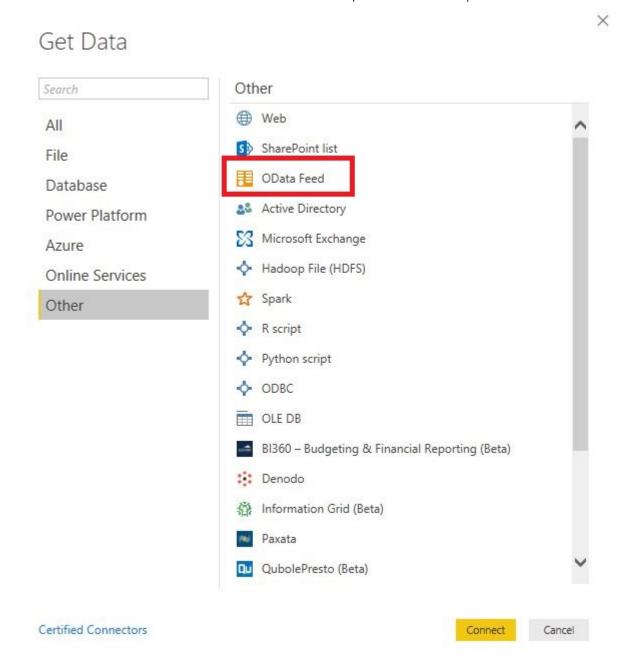


The following is the same content from the previous picture but data is formatted for a better illustration:

```
Contoso Retail - Power BI Repo X
                    localhost/reports/api/v2.0/datasets X
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                      ① localhost/reports/api/v2.0/datasets(1a105e68-639e-4db5-a155-913a836da092)/data
          Raw Data
                       Headers
JSON
Save Copy Pretty Print
  "@odata.context": "http://localhost/reports/api/v2.0/$metadata#DataSetData",
  "value": [
       "Id": "a622c959-2838-40a6-92b2-0e2ae61b5602",
       "SalesKey": "48357",
       "DateKey": "9/8/2007 12:00:00 AM",
       "channelKey": "1",
       "StoreKey": "209",
       "ProductKey": "2098",
       "PromotionKey": "9",
       "CurrencyKey": "1",
       "UnitCost": "258.99",
       "UnitPrice": "508",
       "SalesQuantity": "9",
       "ReturnQuantity": "0",
      "ReturnAmount": "0",
       "DiscountQuantity": "1",
       "DiscountAmount": "50.8",
       "TotalCost": "2330.91",
       "SalesAmount": "4521.2",
       "ETLLoadID": "1",
       "LoadDate": "1/1/2010 12:00:00 AM",
       "UpdateDate": "1/1/2010 12:00:00 AM"
    },
       "Id": "9fdb5d70-2696-40d7-aaf8-bb3c0257f84e",
       "SalesKey": "49410",
       "DateKey": "7/26/2009 12:00:00 AM",
       "channelKey": "1",
       "StoreKey": "209"
       "ProductKey": "2329"
```

Once you found the dataset, bring the URL with you to Power BI, this is how mine looks like: "http://localhost/reports/api/v2.0/datasets(1a105e68-639e-4db5-a155-913a836da092)/data"

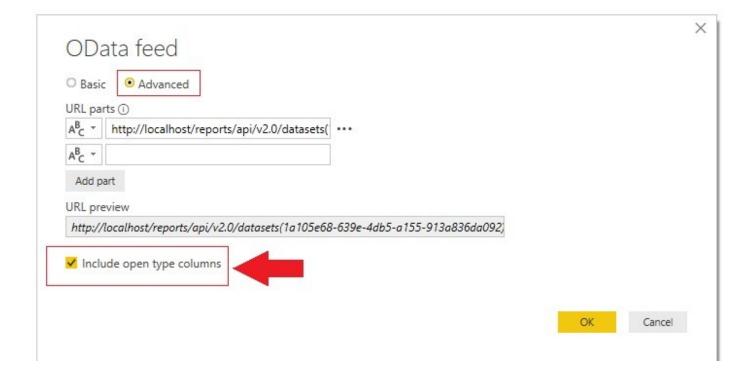
In Power BI, go to Get Data >Others > OData Feed:



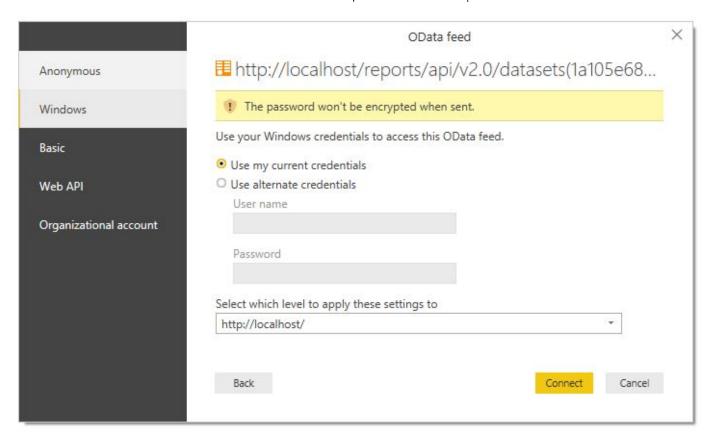
Bring the URL and paste it here:



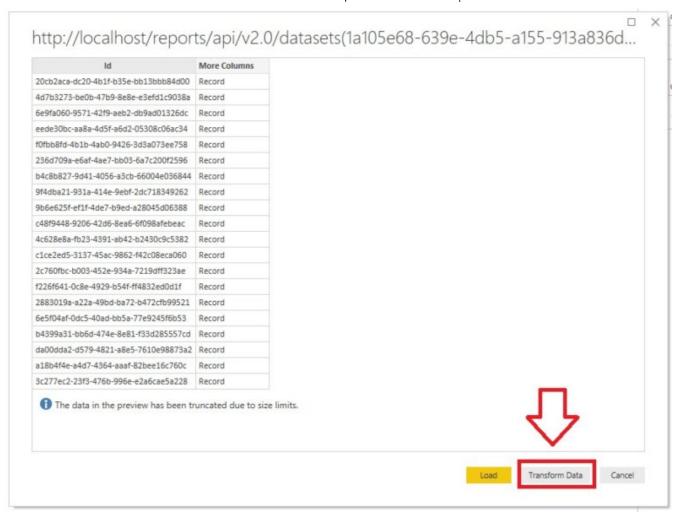
Before clicking ok, we need to go to Advanced and enable "include open type columns" option, otherwise you will see just the first column and you will come back to this post to find out what you missed!



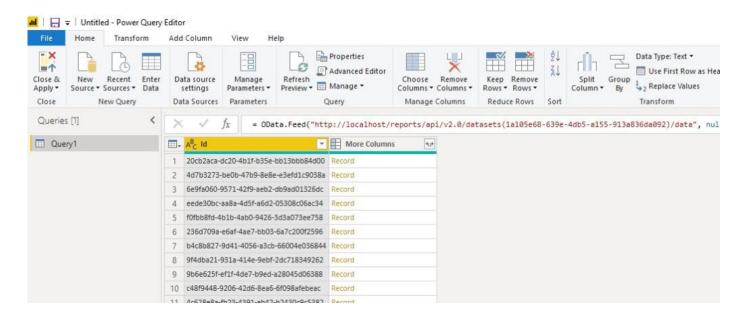
Edit your credentials if needed, I'm going to leave mine with my Current Windows Credentials, click Connect:



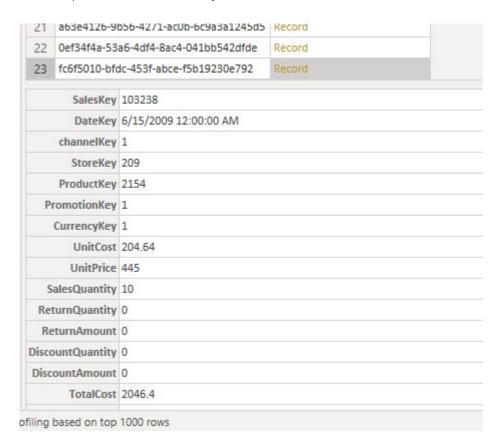
We need to apply a few steps, so let's click on "Transform Data"



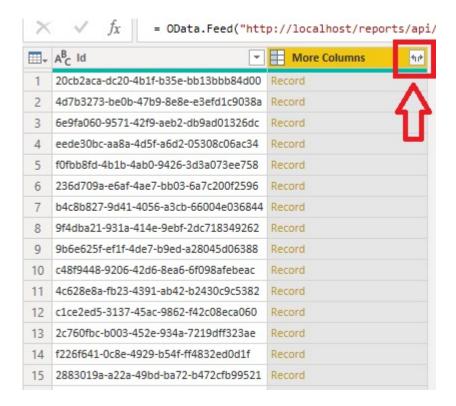
See that we brought 2 columns, one has the record id, and the second column has the record that we need to expand



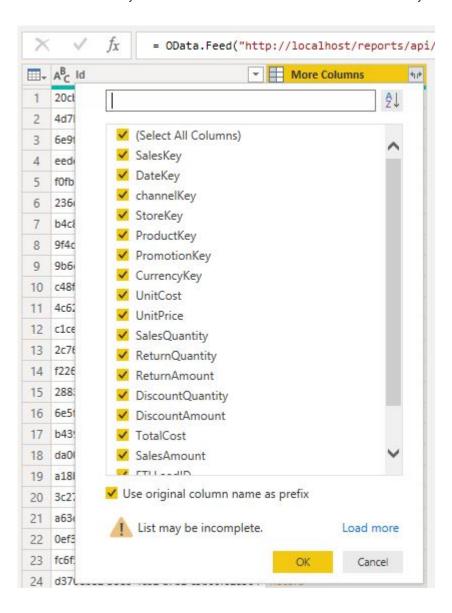
Let's explore one record so you see how it looks like:



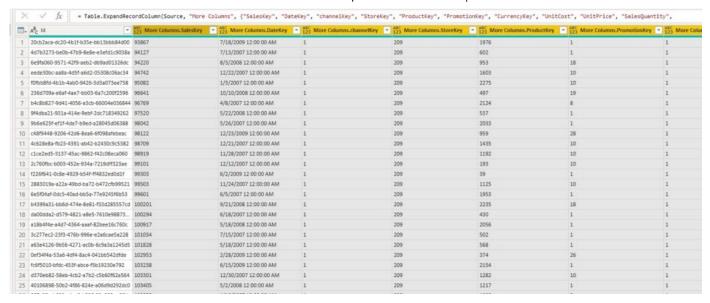
Find the Expand Record Column icon, click on it



Note that you can click ok and it will expand and keep all the columns available, or you can just select the ones you want to work with, click ok when ready:



And Voilà! There is our dataset in Power BI!



- PowerBl
- API, Dataset, Power BI, Power BI Report Server, SSRS