SENSOURCE

A guide to

Power Query

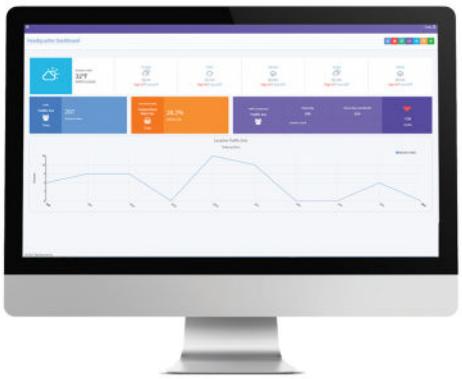


Introduction

Business Intelligence (BI) platforms are popular services used within all of the industries we serve. Microsoft's Power BI is a popular option that connects all of your data sources, helping to visualize it in a simple and efficient way.

Power BI uses Power Query to extract, transform, and load the data. Having all of that data in one place allows you to gain insights and guide important business decisions.

Power Query and Vea

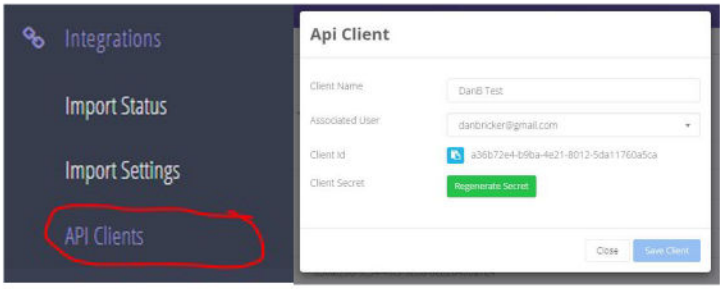


SenSource's developers have taken the steps to format foot traffic data in Vea to be extracted using Power Query.

This guide will show you, step-by-step, how to use Power Query to pull data from Vea and load it into Power BI, excel, or another compatible program.

How Does It Work?

Create an API Client in Vea.



Using Microsoft Power Query (Power BI / Excel)

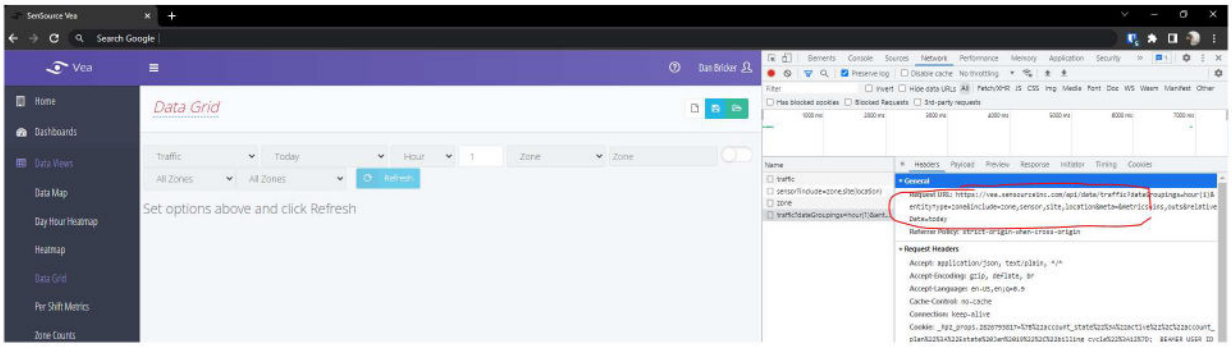
In Excel, go to DATA -> From Web

In Power BI, go to GET DATA -> Web

Choose Advanced Mode

Construct your query or use F12 while in Vea to pull your query

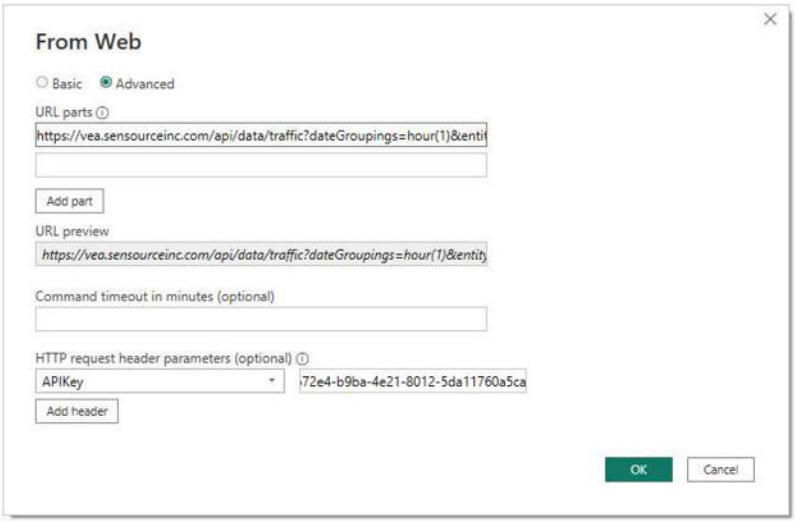
*Use HTTPS



Power Query

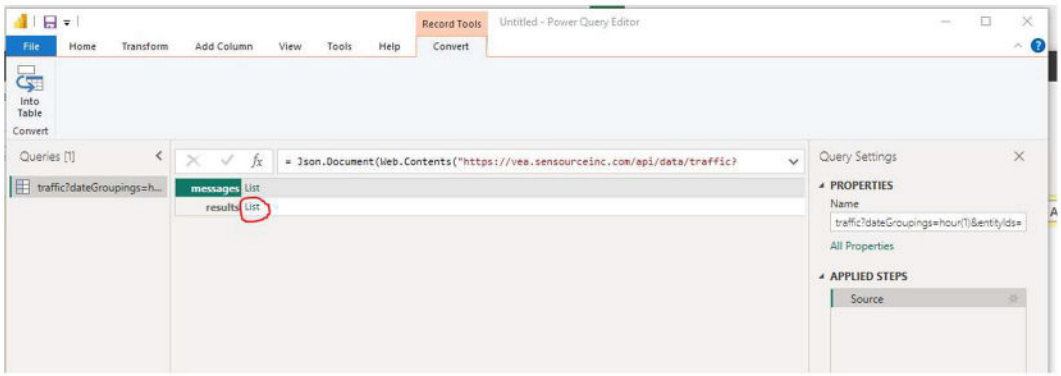
Utilize your API Client Secret and manually add the APIKey Header.

Click OK



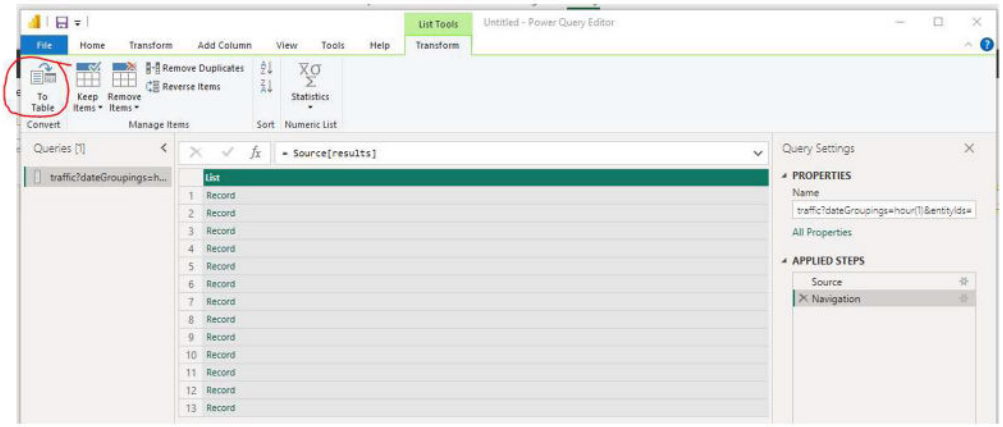
If you APIKey authentication is successful, the Power Query Editor will appear.

Click on the word LIST next to the results field in the main window.

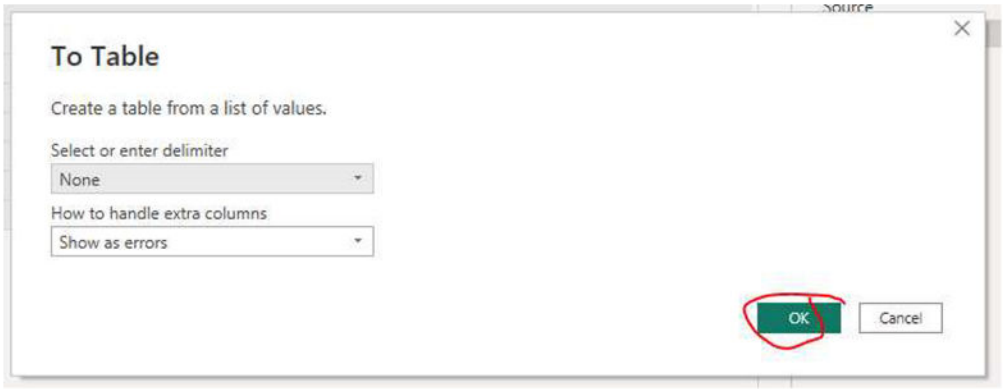


Power Query

You will see a list of generic records. Click on TO TABLE.

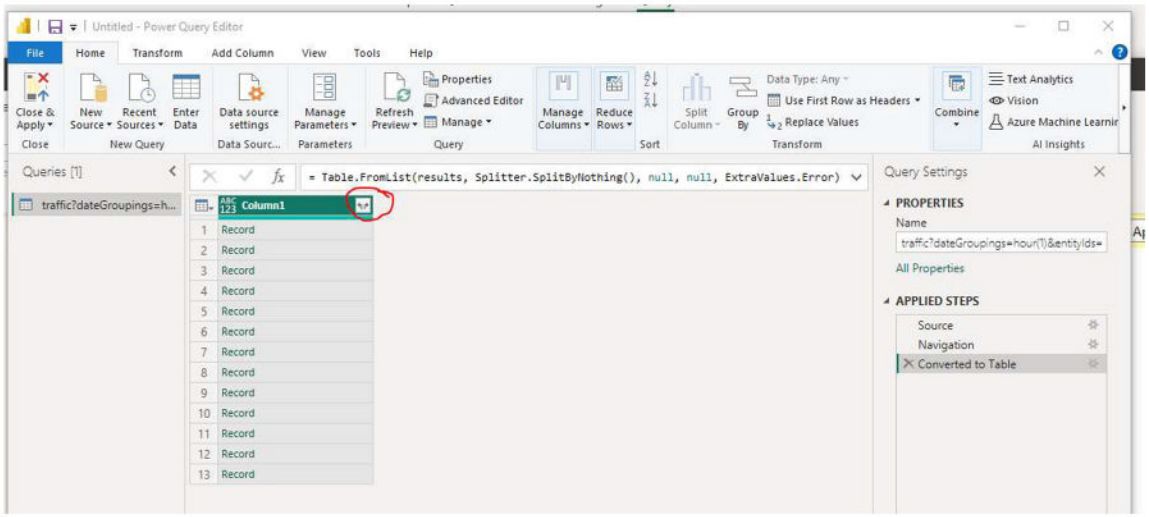


Use the below parameters in the dialog box:

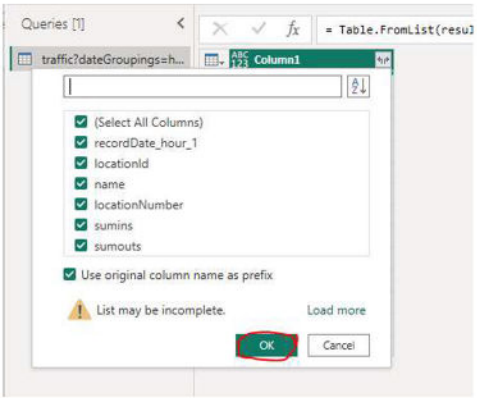


Power Query

An icon should appear in the column1 header to expand the records.

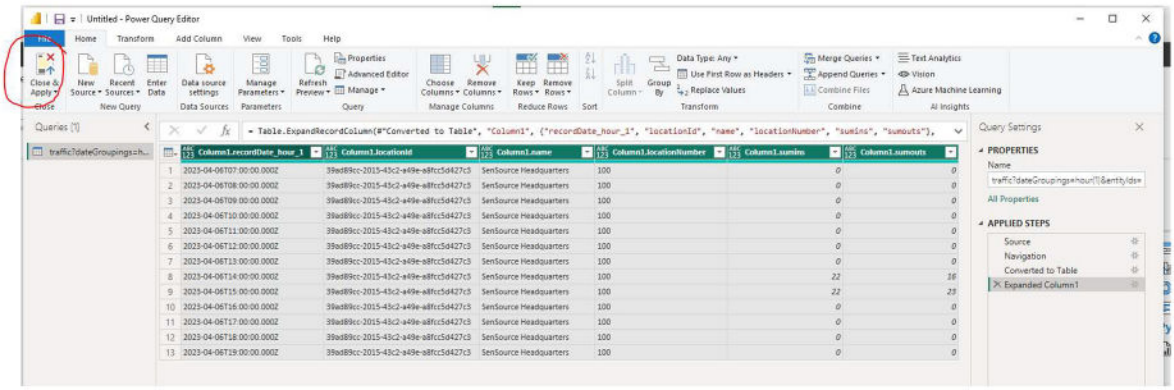


Click OK on the pop-up windown.



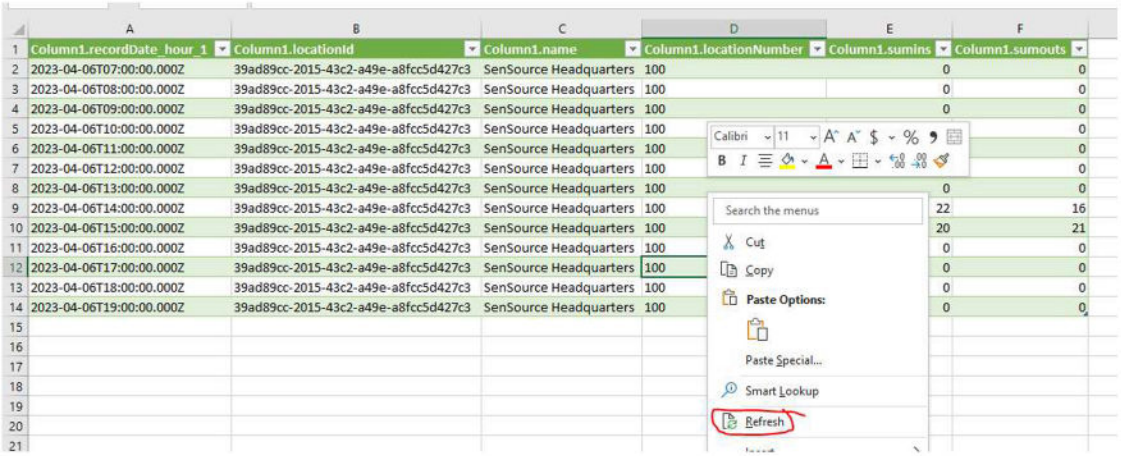
Your columns are now ready.

Click CLOSE & APPLY to work with the data.

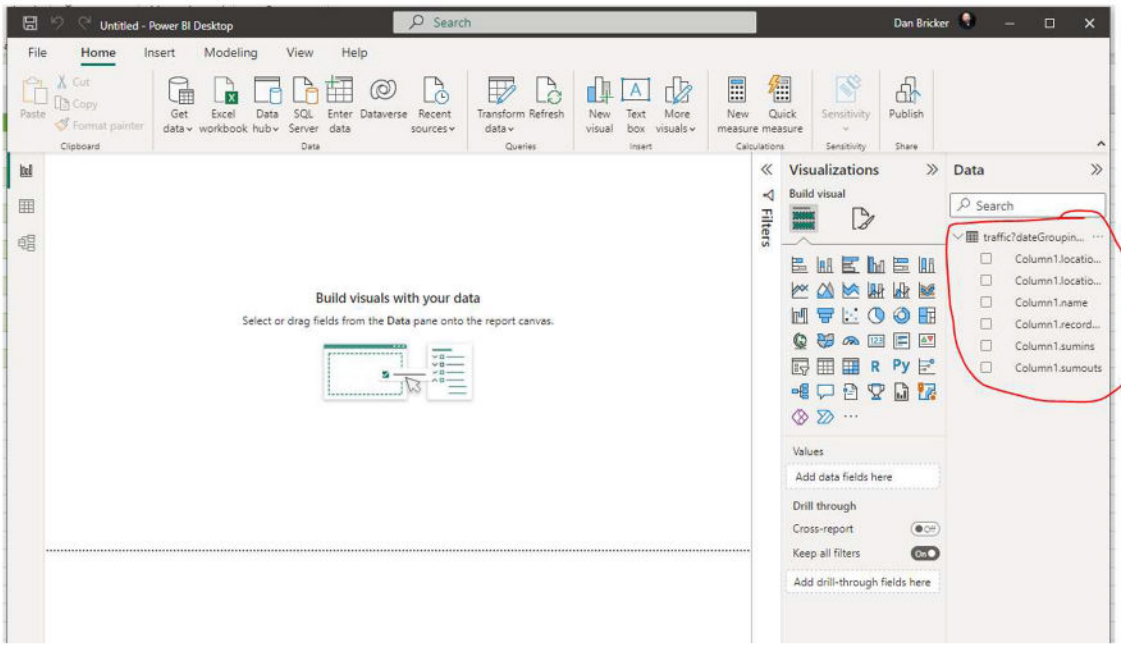


Power Query

In Excel, a dynamic table will be added to your worksheet. Right click this table to refresh the data at any time.



In Power BI Desktop, the data sources are available as columns.



Power Query

Bonus -

PowerShell Script access is also possible.

```
PS > $r = iwr "https://<QUERY>" -Headers @{'APIKey'='<CLIENTSECRET}
PS > $r.RawContent > .\APIOutput.txt
```

OR

```
PS > (iwr "https://<QUERY>" -Headers @{'APIKey'='<CLIENTSECRET}).con-
tent
```