Create Custom Visuals

* Prerequisites: Power BI Service, Knowledge of HTML, CSS and JavaScript (TypeScript)

**NOTE: Please use Edge or Internet Explorer for better results**

**Steps to create a new project:**

1. Install Node.js (latest version)
2. Run command ‘ npm install –g powerbi-visuals-tools ’
3. Go to directory where you want to create the project in command prompt and run this command

>pbiviz new Barchart -- Barchart is just a placeholder.

4. Run ‘ cd Barchart ‘

5. Run ‘ pbiviz –-create-cert ‘ -- Create a local SSL certificate

If above command gives error,

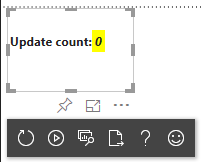
Then, Run ‘ pbiviz –install-cert ‘

1. A passphrase of 8-10 digits will be generated and a new wizard will pop up.
2. Select ‘Current User’ -> Click Next -> Paste the passphrase in textbox and click next -> Select ‘Place all certificate in the following store’ -> Click ‘Browse’ -> Select ‘Trusted root certification Authorities’ and press OK -> Click ‘Finish’

6. Run ‘ pbiviz start ‘ -- Start the development server which will expose the template

**To check the new Visual is working:**

1. Create a new Report in Power BI Desktop and load some data in it and publish it to Power BI service.
2. In Power BI Service, go to Settings -> Developer -> Click the checkbox
3. In the Report view, in the Visualization tab, a new template  gets enabled.
4. Click on it and you’ll see a sample template like below.



**Note: If error is displayed, make sure the ‘pbiviz start’ command is running and use Edge/Internet Explorer. Also carefully install certificate again.**

Important Links :

<https://docs.microsoft.com/en-us/power-bi/developer/custom-visual-develop-tutorial#prerequisites>

<https://github.com/microsoft/powerbi-visuals>