

Module 8: The Developer API Development with Power BI

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Lesson 1: The Power BI API

Demo 1: Using the Power BI Embedded Playground

1. Start the **MT17B-WS2016-NAT**, **20778C-MIA-DC**, and **20778C-MIA-SQL** virtual machines, and then log on to **20778C-MIA-SQL** as **Student** with the password **Pa55w.rd**.
 2. In Internet Explorer, go to <https://microsoft.github.io/PowerBI-JavaScript/demo/v2-demo/index.html>.
 3. Under **Sample Report**, click **Select**.
 4. In the **Embed** pane, review the default options.
 5. In the **Code** pane, review the code to embed the report, and then click **Run**.
 6. In the **Log** pane, review the events listed, and then in the **Embedded view** pane, review the report.
 7. In the **Region** section of the report, click **East**, and wait for the report to update showing on the results for the East region.
 8. On the right-hand side of the report above **FILTERS**, click the expand arrow.
 9. Expand **Month**, and then select **Jan-14**. Note that the report updates to show only data in the East region in January 2014.
 10. Review the events list in the **Log** pane again.
 11. In the **Interact** pane, expand **Data**, and then click **Export visual data summarized**.
 12. In the **Code** pane, click **Run**.
 13. Review the data returned to the **Log** pane.
 14. In the left-hand menu, click **Sample tool**.
 15. Under **Sample Q&A**, click **Select**.
 16. In the **Embed** pane, review the default options.
 17. In the **Code** pane, review the code to embed the Q&A element, and then click **Run**.
 18. In the **Embedded view** pane, review the question and the answer.
 19. Change the last variable in the question to **clustered bar chart**, and then review the change to the answer.
 20. Close Internet Explorer.
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Lesson 2: Custom Visuals

Demo 1: Importing and Using a Custom Visual

Import a Custom Visualization

1. Log on to **20778C-MIA-SQL** as **powerbi\fenago** with the password **Pa55w.rd**.
2. In Internet Explorer, go to <https://app.powerbi.com/visuals>.
3. In the **Search Microsoft AppSource** box, type **Aster Plot**, and then press Enter.
4. In the **Aster Plot** visual, click **Get it now**.
5. In the **Sign in to Microsoft AppSource** dialog box, enter the credentials you used to sign up for Power BI service, and then click **Sign in**.
6. If the **One more thing** dialog box appears, click **Continue**.
7. On the **Office Store** page, click **Download for Power BI**.
8. In the message box, click **Save**, and download the visual to a folder on your local machine.
9. On the Taskbar, click **Power BI Desktop**.
10. To close the getting started window, at the top-right of the window, click **X**.
11. In the **Power BI Desktop** window, click **Open other reports**.
12. In the **Open** dialog box, browse to **D:\Demofiles\Mod08\Demo**, click **Adventure Works Sales.pbix**, and then click **Open**.
13. If the **Introducing Q&A** dialog box appears, click **Got it**.
14. In the **VISUALIZATIONS** pane, click the ellipsis (...), and then click **Import from file**.
15. In the **Caution: Import custom visual** dialog box, click **Import**.
16. In the **Open** dialog box, browse to the location where you saved Aster Plot, click **AsterPlot.x.x.x.x.pbiviz**, and then click **Open**.
17. In the **Import custom visual** dialog box, click **OK**.

Use a Custom Visualization

1. In the **Report** view, at the bottom of the page, click the **Company Report** tab.
2. Click the **Line Total by Company Name** visual.
3. In the **Visualizations** pane, click the **Aster Plot** icon. Data that was previously displayed using the **Clustered column chart** is now displayed in the **Aster Plot** visualization.
4. Close Power BI Desktop, without saving any changes, and then close Internet Explorer.