# Lab Connection modes and RLS

## SCENARIO

VanArsdel is a company that manufactures and sells sporting goods. The company has offices in the United States (US) and several other countries. Its sales comprise of US sales and International sales. VanArsdel’s sales come from its owned manufactured products, as well as other manufacturers’ products.

You have uploaded reports created in Power BI Desktop and Microsoft Excel to Power BI service. You have also created dashboards in Power BI service. Now, you'd like to explore how to work with organization content packs.

In this lab, you will create an organization content pack and share it with your organization. You will use and personalize the content pack, edit and re-share the content pack.

Before starting this lab, you should review **Organization Packs, Security, and Groups** module in this course. Then, if you have not already done so, follow the instructions in the **Set up the Lab Environment** section of this course to set up the lab environment.

## WHAT YOU’LL NEED

* Completed Labs in the previous Modules (**Power BI Service** and **Working with Excel**)
* Power BI service account (You need to have a work / business email to sign up for Power BI service)
* Some steps require Power BI Pro subscription.

## Exercise 1: Direct Connectivity from Power BI Desktop

1. Start with a blank Power BI Desktop file.
2. Make sure that GlobalProttect is connected with chosen metrics:

Portal: vpn.epam.com

Gateway: vpn-ru.epam.com

1. Connect to the Azure SQL database by using **Get Data** and select the Azure SQL database.
2. Enter the following information to connect to the SQL Database.
   * **Server**: sql-server-pbiqs.database.windows.net
   * **Database**: PBI.QS.VanArsdel
3. Ensure **DirectQuery** is selected and click **OK**.
4. Select to use **Database** credentials and enter the following information to login and click **Connect**.

**User name**: PBIQS-VanArsdel-Reader

**Password**: V!F5PzD}YPRFFQM

1. Select the **bi\_salesFact,** the **bi\_Date**tables and click Load.
2. Make sure that you have relationship between **bi\_salesFact**the**bi\_Date tables in Model view. If not, it should be created. (Hint: Use date columns in both tables).**
3. Create a chart based on the **Card**visualization.
4. Drag the **Revenue**field from the **bi salesFact**table to the chart.
5. Create a slicer based on the **Slicer**visualization.
6. Drag the **Year**field from the **bi Date**table to the slicer.

**IMPORTANT!**!If you have any problems with connection, please, get you ip address and ask for help [Anna\_Sedina@epam.com](mailto:Anna_Sedina@epam.com).

### **Lab Questions**

1. Select year 2015 from the slicer and review the card visualization. What is the total Revenue for the year 2015?

125.84M

397.5M

4.91bn

251.79M

1. What is the total Revenue for the year 2014?

125.84M

397.5M

4.91bn

251.79M

## Exercise 2: Direct Connectivity From Power BI Service

1. Start with the pbix file you created in the previous exercise.
2. Use the **Publish** button to publish the report. Sign in using the account you used to sign up for Power BI service.
3. Go to **http://www.powerbi.com** and sign in using your account.
4. Go to the newly created dataset and select settings, edit data source credentials if it is needed.
5. Enter the following information and click **Sign in**.

* **Login: PBIQS-VanArsdel-Reader**
* **Password: V!F5PzD}YPRFFQM**

1. Go to the newly created report and select edit button. You should already have a card visualization for the Revenue and a slicer for the Year.
2. Create one more **Card**visualization.
3. Drag the **Units**field from the **salesFact**table to the chart.

### **Lab Questions**

1. Select year 2015 from the slicer and review the card visualization. What is the total Units for the year 2015?

11M

222K

427K

963K

1. What is the total Units for the year 2014?

11M

222K

427K

963K

1. Save the Report and give it a name.
2. Notice that you do not have to refresh this report, because it uses a live connection (DirectQuery) to the Azure SQL database, and always up-to-date.