

Tour of Power BI

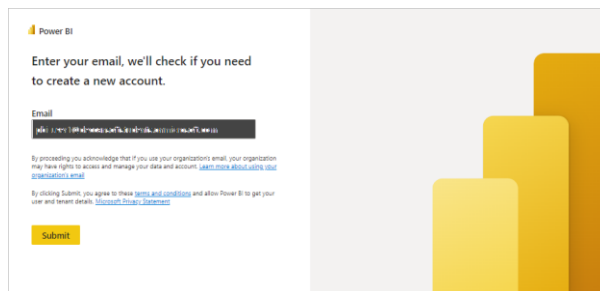
- Power BI is a collection of services, apps, and connectors
- It lets you connect to your data, may be in different sources, filter it if necessary, and then bring it into Power BI .
- Create compelling visualizations that you can share with others.
- These three elements—**Desktop**, the **service**, and **Mobile** apps

Power BI Desktop: Windows desktop application

- Windows store Download : **Windows Store** (<https://aka.ms/pbidesktopstore>)
- Web Download : **Download .msi** (<https://go.microsoft.com/fwlink/?LinkID=521662>)

Create PowerBI Service Account: Online Saas

1. Internet Explorer→Open New inPrivate Window
2. Go to app.powerbi.com and enter Email-id (Assigned to you),to create account.



→Enter Provided password

3. Update Password window pops up→Enter details and update
4. Enter Email id used to register with PowerBI

You've selected Microsoft Fabric free

- 1 Let's get you started
You are signed in with plai-user1@deccansoftstudents.onmicrosoft.com
Select **Continue** to get started.
[Continue](#) [Logout and create new account instead](#)
- 2 Create your account
- 3 Confirmation details

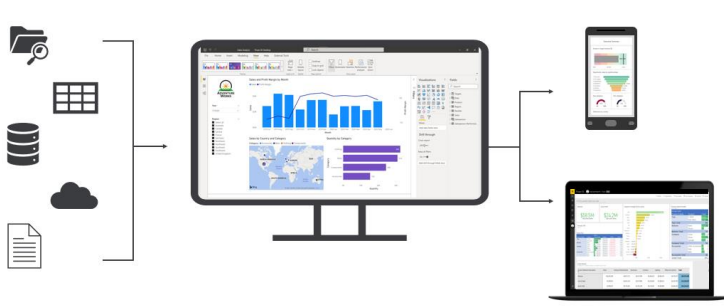
→Continue

5. Enter details for create account→You can use any number as phone number field
6. Click on Get Started→Get Started
7. Observer the page for PowerBI Service.
8. Click on User Icon On Top Left→License type:→Click on Start trial

Flow of Work in Power BI

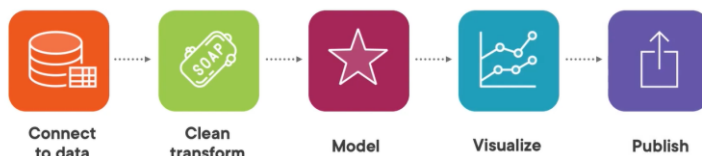
- Power BI Desktop: Bring data and create a report.

- Power BI service: Publish to the, create new visualizations build dashboards. Share dashboards with others.
- Power BI Mobile apps: View and interact with shared dashboards and reports. Available on any device, with native mobile BI apps for Windows, iOS, and Android.



Typical Workflow For creating Reports in PowerBI:

Typical Workflow



Basic building blocks in Power BI:

- Visualizations: Visual representation of data using various in-built or custom visuals
- Datasets: Collection of data used for Visual Representation. Dataset can be based on single or multiple sources
- Reports: Collection of visualizations that appear together on one or more pages
- Dashboards: Collection of visuals from a single page that you can share with other users or groups.
- Tiles: Single visualization on a report or a dashboard

What is PowerBI app?

- An **app** is a collection of preset, ready-made visuals and reports that are shared with an entire organization.
- Power BI can just as easily connect to a SaaS services: Salesforce, Facebook, Google Analytics, and more.
- **For SaaS services Power BI service** provides a collection of ready-made visuals that are pre-arranged on dashboards and reports for your organization. This collection of visuals is called an **app**.
- Apps get you up and running quickly, with data and dashboards that your organization has created for you. For example, when you use the GitHub app, Power BI connects to your GitHub account (after you

provide your credentials) and then populates a predefined collection of visuals and dashboards in Power BI.

Share the work in PowerBI

- Publish report to PowerBI service
- Share .pbix file

Pbix file:

PBIX file contains:

- Instruction to Load and transform data
- Model with data and properties
- Report
- This file stores report structure and data imported from different sources.

PBIT file: Powerbi Template file

Templates can save time and effort by providing a predefined structure and layout that can be customised as required

It contains:

- Report **pages**, visuals, and other visual elements
- The **data model definition**, including the schema, relationships, measures, and other model definition artifacts
- All **query definitions**, such as queries, Query Parameters, and other query elements.
- It does not contain data.

Save template file:

Navigation: File→Export→Power BI template

Load Template file:

Import→Power BI template

PBIDS files:

- It is a Power BI **data source file** with specific structure, contain data source setting.
- You can create a PBIDS file and other users can just use to configure same dataset

Creating the PBIDS file:

Navigation:

File > Options and settings > Data source settings→**Select required data source**→**Export PBIDS**

Lab1:Create Worksapce with logo and publish report.

1. Power BI Service→Left menu bar→Workspaces→Click on New Workspace
2. In create workspace window
3. Name :**AdworksDemoWS**
4. Workspace image→upload→Choose Location as D:\PowerBI-Learn\ClassLabs→Select Logo.jpg
5. Click Apply
6. Open AdworksSales.pbix file in PowerBI Desktop→Home Ribbon→Publish→Select the workspace for publishing(**AdworksDemoWS**)→Select
7. You can Observe Report and Semantic model(previously referred as dataset)

Lab2:Get Powerbi App for GitHub

PowerBI Service→Left menu bar→Observe Right corner of windowApps→click on Get apps