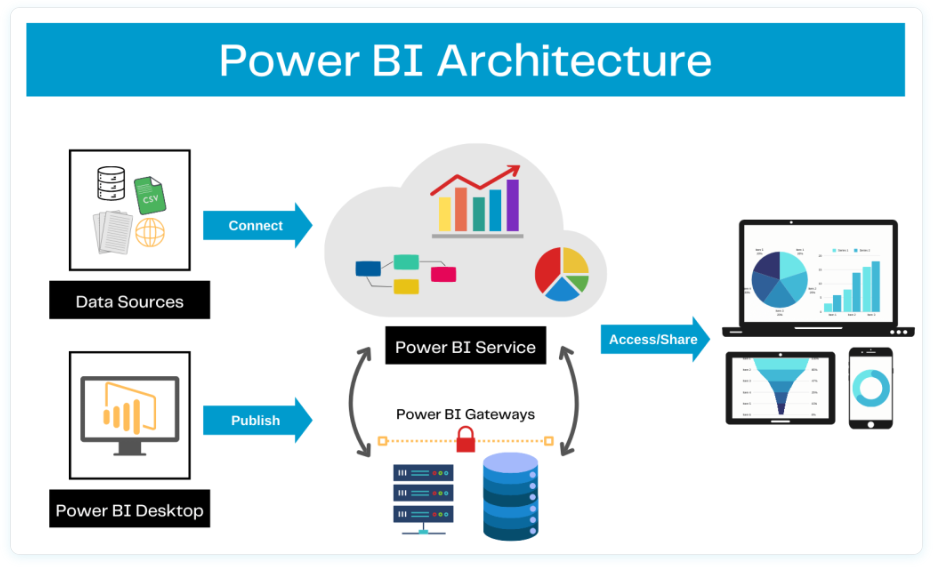
# POWER BI (Business Intelligence)

**Install Power BI Desktop**: -> Microsoft Store

**Update Power BI Desktop**: -> File -> Options and Settings -> Preview Fields -> Mark necessary checkboxes and restart the application.



## Introduction to Power BI

**Power BI is a business intelligence (BI) and data visualization tool developed by Microsoft. It allows users to connect to various data sources, transform raw data, and create interactive reports and dashboards to gain insights. Power BI is widely used for data analysis, reporting, and decision-making.**

### Power BI Desktop

* A **Windows application** used for creating reports and dashboards.
* Provides features like **data modeling, visualization, and DAX (Data Analysis Expressions)**.

### Power BI Service (Power BI Online)

* A **cloud-based platform** where users can publish, share, and collaborate on Power BI reports and dashboards.
* Enables **automatic data refresh** and integration with other Microsoft services (e.g., Excel, Azure).

### Supporting Components of Power BI

**Power Query**

* A data transformation tool that allows users to clean, reshape, and combine data before analysis.

**Power Pivot**

* A data modeling component for creating relationships and measures using **DAX (Data Analysis Expressions)**.

**Power View**

* The visualization layer where users design interactive reports with charts, graphs, and KPIs.

## Basic Charts in Power BI Desktop

### Column Chart

### Stacked Column Chart

### Pie Chart

### Donut Chart

### Funnel Chart

### Ribbon Chart