

# Course Content

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## Power BI



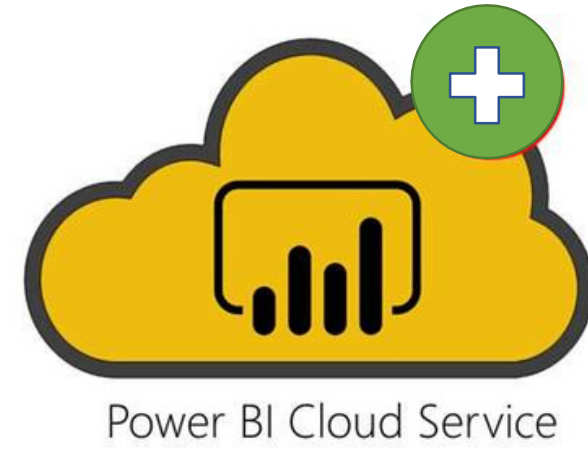
## Lesson 1 -

### Introduction to PowerBI

- Explain Power BI Desktop
- Power BI Desktop –Installation
- Data Sources andConnections
- Connect to Data In Power BI Desktop
- Creating Datasets from Data Models and DataFiles
- Getting Started with PowerBI
- Using Quick Insights to Explore
- aDataset Viewing Reports
- Exploring a Dashboard
- History of PowerBI



Power BI Desktop



Power BI Cloud Service

### Getting Data

- Databases
- Files
- Web and OtherSources
- Azure and Software as aService
- Manual Entry

## Lesson 2 -

### Power BI Desktop Features

- Creating Visualisations
- Color Formatting
- Setting SortOrder
- Scatter & Bubble Charts & PlayAxis
- Tooltips
- Slicers, Timeline Slicers & SyncSlicers
- Cross Filtering and Highlighting
- Visual, Page and Report LevelFilters
- Drill Down/Up



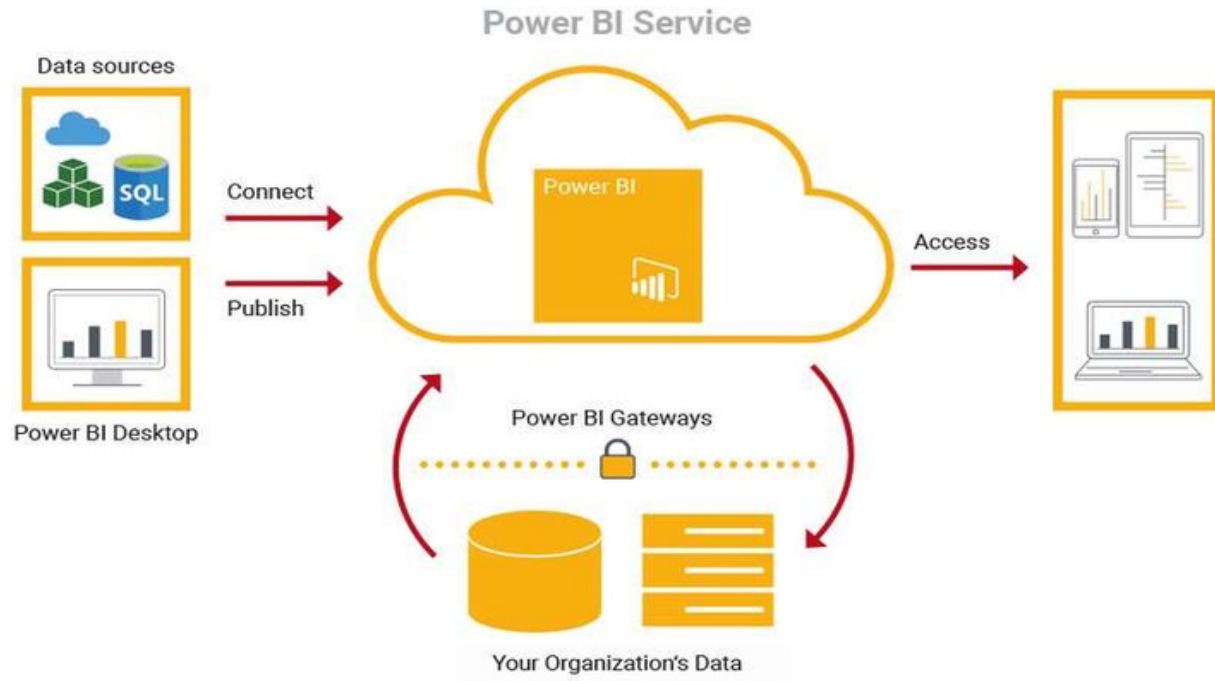
## Lesson 3 -

- Hierarchies
- Reference/Constant
- Lines Visualizations
- Custom Visuals Drill-through
- Custom ReportThemes
- Grouping andBinning
- Bookmarks &Buttons

## Lesson 4 -

### Publishing and Sharing

- Introduction
- Publish from Power BI Desktop
- Publish to Web
- Share Dashboard with Power BI Service
- Workspaces and Apps (Power BI Pro)
- Content Packs (Power BI Pro)



- Print or Save as PDF
- Row Level Security (Power BI Pro)
- Export Data from a Visualization
- Export to PowerPoint

## Lesson 5 -

- **Transforming Data**
- Query Editor in PowerBI
- Combining Queries: Append
- Fixing Metadata
- Filtering Rows
- Eliminating Columns
- Combining Queries: Merge
- Adding a Column

## Modeling Data for Analysis

- Creating Relationships
- Defining New Columns & Measures
- Table Joins
- Data Modeling
- Summary



## Lesson 6 -

- **DAX Expressions**

- Introduction to Dax (how to write Dax and basic functions in power bi)
- Important Dax used in Power Bi along with its applications.
- How to create calculated columns and measures in power bi and difference in its application.
- Scenarios with Questions on DAX & explanation.
- Practical Explanation of Dax with 100+ Dax on Relationships, Cumulative Calculations, YTD, QTD and MTD Calculations along with Building Custom Visual, Use of Variables, Performance Tuning Techniques and Comparing Current and previous year sales.



# Thank You

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