

# PowerBi

**Duration: 24 Hours**

1. Introducing Power BI
  - a. Getting started with Power BI
  - b. Uploading data to Power BI
  - c. Introducing natural-language queries
  - d. Introducing Quick Insights
  - e. Introduction to reports
  - f. Introducing Visual Interactions
  - g. Decorating the report
  - h. Saving the report
  
2. Sharing the dashboard
  - a. Inviting a user to see a dashboard
  - b. Inviting users outside your organization
  - c. Creating a group workspace in Power BI
  - d. Turning on sharing with Microsoft OneDrive business
  - e. Viewing reports and dashboards on mobile devices
  
3. Understanding data refresh
  - a. Introducing data refresh
  - b. Introducing the Power BI refresh
  - c. architecture
  - d. Introducing Power BI Desktop
  - e. Publishing to Power BI

f. Installing the Power BI Personal Gateway

g. Configuring automatic refresh

4. Using Power BI Desktop

a. Contents

b. Connecting to a database

c. Loading from multiple sources

d. Using Query Editor

e. Hiding or removing tables

f. Handling seasonality and sorting months

5. Getting data from services

a. and content packs

b. Consuming a service content pack

c. Creating a custom dataset from a service

d. Creating a content pack for your organization

e. Consuming an organizational content pack

f. Updating an organizational content pack

6. Building a data model

a. Loading individual tables

b. Implementing measures

c. Creating calculated columns

d. Improving the report by using measures

e. Integrating budget information

f. Reallocating the budget

## 7. Improving Power BI reports

- a. Choosing the right visualizations
- b. Choosing between standard visuals
- c. Using custom visualizations
- d. First steps with custom visualizations
- e. Improving reports by using custom visualizations
- f. Identifying conditions when custom visualizations requirement
- g. Using DAX in data models
- h. Creating high-density reports

## 8. Using Microsoft Power BI in your company

- a. Getting data from existing systems
- b. Understanding differences between
- c. data refresh and live connections
- d. Using relational databases on-premises
- e. Using relational databases in the cloud
- f. Using live connections to Analysis services
- g. Integrating Power BI with Office
- h. Publish Excel data models in Power BI
- i. Consume Power BI content from Excel
- j. Using Power BI Tiles from Office Store
- k. Managing security to access data
- l. Using row-level security
- m. Extending and customizing Power BI
- n. Creating custom visualizations for power bi

- o. Introducing the Power BI REST API
- p. Pushing real-time data to Power BI dashboards
- q. Power BI embedded in applications

9. Upcoming Data of Updates to Know REMEMBER

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