

DP-605T00: Prepare and visualize data with Microsoft Power BI

Course Outline

1) Get started building with Power BI

- How Power BI services and applications work together
- Explore how Power BI can make your business more efficient
- How to create compelling visuals and reports

2) Get data in Power BI

- Identify and connect to a data source
- Get data from a relational database, like Microsoft SQL Server
- Get data from a file, like Microsoft Excel
- Get data from applications
- Get data from Azure Analysis Services
- Select a storage mode
- Fix performance issues
- Resolve data import errors
- Lab: Prepare data in Power BI Desktop

3) Clean transform and load data in Power BI

- Resolve inconsistencies, unexpected or null values, and data quality issues
- Apply user-friendly value replacements
- Profile data so you can learn more about a specific column before using it
- Evaluate and transform column data types
- Apply data shape transformations to table structures
- Combine queries
- Apply user-friendly naming conventions to columns and queries
- Edit M code in the Advanced Editor
- Lab: Load data in Power BI Desktop

4) Design a semantic model in Power BI

- Create common date tables
- Configure many-to-many relationships
- Resolve circular relationships
- Design star schemas
- Lab: Model data in Power BI Desktop

5) Design Power BI reports

- Learn about the structure of a Power BI report
- Learn about report objects
- Select the appropriate visual type to use
- Lab: Design a report in Power BI Desktop

6) Create interactive reports using Copilot for Power BI

- Design semantic model
- Create visuals and reports

- Create summaries

7) Introduction to end-to-end analytics using Microsoft Fabric

- Describe end-to-end analytics in Microsoft Fabric

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