



DP-605: Develop Dynamic Reports with Microsoft Power BI

Microsoft - Business Applications

- **Nível:** Intermédio
 - **Duração:** 7h
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Sobre o curso

Transform and load data, define semantic model relationships and calculations, create interactive visuals, and distribute reports using Power BI.

Objetivos

- Get data in Power BI
 - Clean, transform, and load data in Power BI
 - Design a semantic model in Power BI
 - Add measures to Power BI Desktop models
 - Add calculated tables and columns to Power BI Desktop models
 - Design Power BI reports
 - Configure Power BI report filters
 - Create and manage workspaces in Power BI
 - Manage semantic models in Power BI
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Pré-requisitos

Basic understanding of Data Analytics and Power BI

Programa

- Get data in Power BI
- Clean, transform, and load data in Power BI
- Design a semantic model in Power BI

- Add measures to Power BI Desktop models
- Add calculated tables and columns to Power BI Desktop models
- Design Power BI reports
- Configure Power BI report filters
- Create and manage workspaces in Power BI
- Manage semantic models in Power BI

Get data in Power BI

- Get data from files
- Get data from relational data sources
- Create dynamic reports with parameters
- Get data from a NoSQL database
- Get data from online services
- Select a storage mode
- Get data from Azure Analysis Services
- Fix performance issues
- Resolve data import errors

Clean, transform, and load data in Power BI

- Shape the initial data
- Simplify the data structure
- Evaluate and change column data types

- Combine multiple tables into a single table
- Profile data in Power BI
- Use Advanced Editor to modify M code

Design a semantic model in Power BI

- Work with tables
- Create a date table
- Work with dimensions
- Define data granularity
- Work with relationships and cardinality
- Resolve modeling challenges

Add measures to Power BI Desktop models

- Create simple measures
- Create compound measures
- Create quick measures
- Compare calculated columns with measures

Add calculated tables and columns to Power BI Desktop models

- Create calculated columns
- Learn about row context
- Choose a technique to add a column

Design Power BI reports

- Design the analytical report layout
- Design visually appealing reports
- Report objects
- Select report visuals
- Select report visuals to suit the report layout
- Format and configure visualizations
- Work with key performance indicators

Configure Power BI report filters

- Introduction to designing reports for filtering
- Apply filters to the report structure
- Apply filters with slicers
- Design reports with advanced filtering techniques
- Consumption-time filtering
- Select report filter techniques
- Case study - Configure report filters based on feedback

Create and manage workspaces in Power BI

- Distribute a report or dashboard
- Monitor usage and performance

- Recommend a development life cycle strategy
- Troubleshoot data by viewing its lineage
- Configure data protection

Manage semantic models in Power BI

- Use a Power BI gateway to connect to on-premises data sources
- Configure a semantic model scheduled refresh
- Configure incremental refresh settings
- Manage and promote semantic models
- Troubleshoot service connectivity
- Boost performance with query caching (Premium)