# Power BI Desktop Intermediate Training

Duration: **2 Day**

BILGINÇ IT Academy
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## Overview

Take your Power BI skills to the next level with this**advanced, practical 2-day intermediate {*training}**. Designed for data professionals already familiar with Power BI, this course introduces **advanced features and best practices** in report interactivity, performance, security, and automation.

Learn how to **secure your dashboards, implement row-level security, configure auto-refresh**, and leverage **Power BI features like Q&A, decomposition trees, smart narratives, custom tooltips, bookmarks**, and more.

Whether you're preparing enterprise-level dashboards or aiming to create highly interactive visualizations, this course will **sharpen your skills and boost your Power BI capabilities**.

## Prerequisites

Attendees should have completed **Power BI Desktop for Technical Users or Power BI Desktop for Business Users**, or possess equivalent Power BI Desktop experience.

### Virtual Learning Requirements

For virtual attendees:

- A second monitor (minimum 19") is required
- Minimum screen resolution: **1280x1024** (critical for lab visibility)
- Labs will be conducted via **GoToMyPC** or **LearnOnDemand**

## Who Should Attend

This {*training} is ideal for:

- Power BI users with foundational report-building experience
- Business intelligence professionals aiming to master intermediate techniques
- Data analysts who want to implement advanced functionality in their reports

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## What You Will Learn

By the end of this {*training}, you will have gained knowledge and skills in the following areas:

- Advanced-level Power BI Desktop skills
- Mastery over interactive report elements and layout control
- Knowledge of performance tuning and data refresh workflows
- Confidence to build enterprise-grade dashboards with security and automation
- Enhanced storytelling with advanced visuals and DAX techniques

## Outline

### 1. Security and Row-Level Filtering

- Create user roles and apply security filters using`USERPRINCIPALNAME()`
- Configure row-level security within the Power BI Service

### 2. Aggregations and Performance Optimization

- Implement DirectQuery with summarized and detailed tables
- Improve performance by letting visuals switch intelligently between views

### 3. Auto-Refresh in Power BI Desktop

- Configure report/dashboard auto-refresh based on time triggers or dataset changes

### 4. Auto-Refresh in Power BI Service

- Set up scheduled refresh for datasets in the Power BI cloud service

### 5. Parameters and Dynamic Reporting

- Use parameters and disconnected tables with DAX to make reports more interactive

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### 6. Sync Slicers

- Apply slicers across multiple pages
- Share slicer values between unrelated tables (e.g., location filters)

### 7. Drillthrough Pages

- Create detailed drill-through pages accessible via buttons or right-click context

### 8. Buttons and Bookmarks

- Create custom navigation experiences using bookmarks and action-enabled buttons

### 9. Custom Tooltips

- Replace default tooltips with visual-rich custom tooltip pages

### 10. Key Influencers and Advanced Analytics

- Use Key Influencers visuals and scatter plots to identify significant data patterns

### 11. Decomposition Tree

- Break down metrics into constituent dimensions
- Enable visual-based filtering between charts

### 12. Q&A Visual & Synonyms

- Enable natural language queries using Q&A
- Train your model and configure synonyms for better user interaction

### 13. Smart Narrative

- Add auto-generated text summaries based on visual insights and measures

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### 14. Metrics and Scorecards

- Publish Power BI reports and connect to manual/data-driven metrics in Scorecards
- Create a KPI-tracking workspace with linked metrics and reports