

# Power BI – Intensive Preparation for the PL-300 Certification

## Description

### **Effectively prepare for your PL-300 certification with an intensive and structured approach**

Already using Power BI and looking to validate your skills with a recognized certification? This two-day intensive training is designed to efficiently prepare you for Microsoft's PL-300 certification. With a hands-on approach, you'll strengthen your knowledge while adopting best practices in the field.

The program is built around practical exercises, guided labs, and real-world exam scenarios. Each module helps you become confident and independent in key Power BI areas: data connectivity, modeling, visualization, DAX, performance tuning, governance, and security. Everything is structured to give you the best possible chance of passing the certification.

### **A focused, results-driven format**

Designed to go straight to the point, this course offers a short but intensive format. In just two days, you'll review all the core competencies assessed in the PL-300 exam. You'll save time, gain efficiency, and boost your confidence.

## Course Content

### **Module 1: Connecting to data sources**

- Types of data sources and connection options
- Import vs DirectQuery vs Live connection
- Source parameters and configurations
- Practice: Data connection scenarios, semantic model connections

### **Module 2: Data profiling and cleaning**

- Assessing data quality and statistics
- Handling null values, inconsistencies, and import errors
- Practice: Data cleaning lab with Power Query

### **Module 3: Data transformation and loading**

- Column transformations, aggregations, and pivoting
- Creating fact and dimension tables
- Using reference queries vs duplicated queries
- Merge/append operations, load settings

### **Module 4: Data modeling fundamentals**

- Table properties, relationships, cross-filtering, cardinality
- Role-playing dimensions, date tables
- Calculated tables vs calculated columns
- Practice: Modeling based on real datasets

## **Module 5: DAX calculations**

- Measures vs calculated columns
- Time intelligence (YTD, MTD, same period last year)
- Quick measures, semi-additive metrics
- Calculation groups and statistical functions

## **Module 6: Performance optimization**

- Identifying and removing model inefficiencies
- Using Performance Analyzer and DAX query view
- Reducing granularity and simplifying models
- Review: Performance optimization checklist

## **Module 7: Report creation and analysis**

- Selecting and formatting visuals
- Filtering, slicing, drillthrough, tooltips
- Mobile view, export settings, customization
- Practice: Report creation with storytelling logic
- Mini-challenge: Rebuild a report using UX/UI best practices

## **Module 8: Advanced visuals and insights**

- Bookmarks, grouping, selection pane
- Forecasting, AI visuals, anomaly detection
- Sync slicers and navigation logic

## **Module 9: Governance and security**

- Workspaces, apps, distribution
- Gateways, refresh scheduling
- Row-level security, access control
- Practice: RLS configuration lab and workspace setup

## **Documentation**

- Digital course material included

## **Participant profiles**

- Data analysts
- Business analysts
- Advanced Power BI users
- BI professionals preparing for the PL-300 certification

## **Prerequisites**

- Strong understanding of relational model concepts

- Proven experience with Power BI
- Ideally, have completed the PL-300 course
- Or have completed the courses: [Power BI – Data Fundamentals and Visualizations](#), [Power BI – Dashboard Implementation and Best Practices](#), and [Power BI – Advanced Practice of DAX, Integration, and Optimization](#)
- Or have completed the courses [Power BI – Build Your Reports and Visuals Independently](#) and [Power BI – Advanced Practice of DAX, Integration, and Optimization](#)

## Objectives

- Connect and interact with various data sources
- Clean and transform data using Power Query
- Model data effectively for analysis
- Create DAX calculations tailored to business needs
- Optimize model and report performance
- Build interactive and readable reports
- Use advanced visualization features
- Implement security and governance rules

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## Niveau

Expert

## Classroom Registration Price (CHF)

1750

## Virtual Classroom Registration Price (CHF)

1650

## Duration (in Days)

2

## Reference

MPB-41