

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