



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

DA-100T00: Analysing Data with Power BI®

Duration: 4 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course will discuss the various methods and best practices that are in line with business and technical requirements for modelling, visualizing, and analysing data with Power BI. The course will also show participants how to access and process data from a range of data sources including both relational and non-relational data. This course will also explore how to implement proper security standards and policies across the Power BI spectrum including datasets and groups. The course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution. Finally, this course will show participants how to build paginated reports within the Power BI service and publish them to a workspace for inclusion within Power BI.

Target Audience

This course is intended for:

- Data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI.
- Individuals who develop reports that visualize data from the data platform technologies that exist on both the cloud and on-premises.

Prerequisites

To attend this course, candidates must have:

- Completed the *AZ-900T00/T01: Microsoft Azure Fundamentals* course or have the equivalent technical knowledge.



Course Objectives

Upon successful completion of this course, attendees will be able to:

- Ingest, clean, and transform data.
- Model data for performance and scalability.
- Design and create reports for data analysis.
- Apply and perform advanced report analytics.
- Manage and share report assets.
- Create paginated reports in Power BI.

Course Topics

Module 1: Get Started with Microsoft Data Analytics

- Data Analytics and Microsoft
- Getting Started with Power BI
- Tour and Use the Power BI service
- Power BI in the Enterprise

Module 2: Prepare Data in Power BI

- Get Data from Various Data Sources
- Optimize Performance
- Resolve Data Errors

Module 3: Clean, Transform, and Load Data in Power BI

- Data Shaping
- Enhance the Data Structure
- Data Profiling

Module 4: Design a Data Model in Power BI

- Introduction to Data Modelling
- Working with Tables
- Dimensions and Hierarchies

Module 5: Create Measures Using DAX in Power BI

- Introduction to DAX
- DAX Context
- Advanced DAX



Course Topics *Continued*

Module 6: Optimize Model Performance

- Using Variables
- Fine-Tune the Data Model
- Optimize DirectQuery Models
- Create and Manage Aggregations

Module 7: Create Reports

- Design a Report
- Enhance the Report

Module 8: Create Dashboards

- Create a Dashboard
- Real-Time Dashboards
- Enhance a Dashboard

Module 9: Create Paginated Reports in Power BI

- Paginated Report Overview
- Create Paginated Reports

Module 10: Perform Advanced Analytics

- Advanced Analytics
- Data Insights Through AI Visuals

Module 11: Create and Manage Workspaces

- Creating Workspaces
- Sharing and Managing Assets

Module 12: Manage Datasets in Power BI

- Parameters
- Datasets

Module 13: Row-Level Security

- Security in Power BI

LABS INCLUDED