

Training Program

DP-605: Develop dynamic reports with Microsoft Power BI

(Updated on 20/01/2025)

DESCRIPTION OF THE TRAINING:

This one-day training will give you the keys to developing Power BI reports. You'll learn how to transform and load data, define relationships and semantic model calculations, create interactive visuals, and distribute reports.

EDUCATIONAL OBJECTIVES:

At the end of this training, participants will be able to:

- Build with Power BI
- Get data in Power BI
- Cleanse, transform, and load data in Power BI
- Design a semantic model in Power BI
- Design Power BI reports
- Create interactive reports using Copilot for Power BI
- Discover end-to-end analytics using Microsoft Fabric.

TEACHING METHODS:

- This training will mainly consist of theory and technical workshops that will allow you to be quickly operational.
- Support: Official Microsoft course materials will be provided to participants in electronic format.
- Evaluation: The achievements are evaluated throughout the training by the trainer (prerequisites evaluated before the training, regular questions, practical work, MCQs or other methods).
- Trainer: all led by an experienced consultant-trainer, with field experience, and Microsoft Certified Trainer accredited.
- Satisfaction: at the end of the training, each participant answers an evaluation questionnaire which is then analysed with a view to maintaining and improving the quality of our training.
- Follow-up: one attendance sheet for each half-day of attendance is signed by each participant.
- This training can be provided in an inter-company or intra-company format on request and in face-to-face or distance mode.

TRAINING PROGRAM:

Build with Power BI

- Understand how Power BI apps and services work together.
- Explore how Power BI can make your business more efficient.
- Create engaging visuals and reports.

Get data in Power BI

- Log in and connect to a data source.
- Get data from a relational database, such as Microsoft SQL Server.
- Get data from a file, such as Microsoft Excel.
- Get app data.
- Get data from Azure Analysis Services.
- Select a storage mode.
- Troubleshoot performance issues.
- Fix data import errors.

Cleanse, transform, and load data in Power BI

- Resolve inconsistencies, unexpected or null values, and data quality issues.
- Apply user-friendly value overrides.
- Profile data to learn more about a specific column before using it.
- Evaluate and transform column data types.
- Apply data shape transformations to table structures.
- Combine queries.
- Apply user-friendly naming conventions to columns and queries.
- Edit M code in the Advanced Editor.

Design a semantic model in Power BI

- Create common date tables.
- Set up many-to-many relationships.
- Resolve circular relationships.
- Design star schematics.

Design Power BI reports

- Learn about the structure of a Power BI report.
- Learn about report objects.
- Select the appropriate type of visual to use.

Create interactive reports using Copilot for Power BI

- Design a semantic model.
- Create visuals and reports.
- Create summaries.

Describe end-to-end analytics in Microsoft Fabric.

PREREQUISITE:

To take this training, it is highly recommended to have experience working with data in the cloud. Specifically:

1. Understand basic data concepts.
2. Have knowledge of working with relational or non-relational data in the cloud.
3. Have knowledge of data analysis and visualization concepts.

Having completed the "AZ-900 Azure Fundamentals" training is a plus.

A B1 level of English is recommended, find the levels on this link: [Classification of language levels](#)

DURATION: 1 day (7 hours)

CONTACT PERSONS: Data Analyst

LEVEL: Intermediate