

Course : Microsoft Fabric Data Engineer (Microsoft DP-700)

DP-700 official course, exam preparation

Practical course - 4d - 28h00 - Ref. DP7

Price : 2790 € E.T.

NEW

With this training course, you'll learn how to implement data engineering solutions using Microsoft Fabric. You'll discover how to design and develop efficient data loading models, suitable data architectures and effective orchestration processes.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Data engineering with Microsoft Fabric
- ✓ Implementing a Lakehouse with Microsoft Fabric
- ✓ Implement real-time intelligence with Microsoft Fabric
- ✓ Implementing a data warehouse with Microsoft Fabric
- ✓ Managing a Microsoft Fabric environment

Intended audience

Experienced data professionals proficient in data integration and orchestration.

Prerequisites

Expérience dans la manipulation et la transformation de données avec l'un des langages de programmation suivants : Structured Query Language (SQL), PySpark ou Kusto Query Language (KQL).

Certification

This course prepares you to take the Microsoft Certified: Fabric Data Engineer Associate certification exam.

[Comment passer votre examen ?](#)

Practical details

Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

PARTICIPANTS

Experienced data professionals proficient in data integration and orchestration.

PREREQUISITES

Expérience dans la manipulation et la transformation de données avec l'un des langages de programmation suivants : Structured Query Language (SQL), PySpark ou Kusto Query Language (KQL).

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

Course schedule

1 Data engineering with Microsoft Fabric

- Data engineering with Dataflows Gen2 in Microsoft Fabric.
- Orchestrate processes and data movement with Microsoft Fabric.
- Get started with real-time intelligence in Microsoft Fabric.
- Use real-time event streams in Microsoft Fabric.
- Working with real-time data in a Microsoft Fabric Eventhouse.

2 Implementing a Lakehouse with Microsoft Fabric

- Introduction to end-to-end analytics with Microsoft Fabric.
- Introduction to lakehouses in Microsoft Fabric.
- Using Apache Spark in Microsoft Fabric.
- Working with Delta Lake tables in Microsoft Fabric.
- Data engineering with Dataflows Gen2 in Microsoft Fabric.
- Orchestrate processes and data movement with Microsoft Fabric.
- Organize a Lakehouse Fabric using the medallion architecture design.

3 Implement real-time intelligence with Microsoft Fabric

- Introduction to real-time intelligence in Microsoft Fabric.
- Use real-time event streams in Microsoft Fabric.
- Working with real-time data in a Microsoft Fabric eventhouse.
- Create real-time dashboards with Microsoft Fabric.

4 Implementing a data warehouse with Microsoft Fabric

- Introduction to end-to-end analytics with Microsoft Fabric.
- Introduction to data warehouses in Microsoft Fabric.
- Load data into a Microsoft Fabric data warehouse.
- Querying a data warehouse in Microsoft Fabric.
- Supervise a Microsoft Fabric data warehouse.
- Securing a Microsoft Fabric data warehouse.

5 Managing a Microsoft Fabric environment

- Implement continuous integration and deployment (CI/CD) in Microsoft Fabric.
- Superviser les activités dans Microsoft Fabric.
- Securing data access in Microsoft Fabric
- Administer a Microsoft Fabric environment.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.