

DP-200 – Implementing an Azure Data Solution

Microsoft Official Courses (MOC)

Course DP-200T01-A: Implementing an Azure Data Solution



About this Course:

- In this course, the students will implement various data platform technologies into solutions that are in-line with business and technical requirements, including on-premises, cloud, and hybrid data scenarios incorporating both relational and NoSQL data. They will also learn how to process data using a range of technologies and languages for both streaming and batch data. The students will also explore how to

implement data security, including authentication, authorization, data policies, and standards. They will also define and implement data solution monitoring for both the data storage and data processing activities. Finally, they will manage and troubleshoot Azure data solutions which includes the optimization and disaster recovery of big data, batch processing, and streaming data solutions.

Course Goals/Skills:

- Explain the evolving world of data
- Survey the services in the Azure Data Platform
- Identify the tasks that are performed by a Data Engineer
- Describe the use cases for the cloud in a Case Study
- Choose a data storage approach in Azure
- Create an Azure Storage Account
- Explain Azure Data Lake Storage
- Upload data into Azure Data Lake
- Explain Azure Databricks
- Work with Azure Databricks
- Read data with Azure Databricks
- Perform transformations with Azure Databricks
- Create an Azure Cosmos DB database built to scale
- Insert and query data in your Azure Cosmos DB database
- Build a .NET Core app for Azure Cosmos DB in Visual Studio Code
- Distribute data globally with Azure Cosmos DB
- Use Azure SQL Database
- Describe Azure Data Warehouse
- Create and Query an Azure SQL Data Warehouse
- Use PolyBase to Load Data into Azure SQL Data Warehouse
- Be able to explain data streams and event processing

- Understand Data Ingestion with Event Hubs
 - Understand Processing Data with Stream Analytics Jobs
 - Understand Azure Data Factory and Databricks
 - Understand Azure Data Factory Components
 - Be able to explain how Azure Data Factory works
 - Have an introduction to security
 - Understand key security components
 - Understand securing Storage Accounts and Data Lake Storage
 - Understand securing Data Stores
 - Understand securing Streaming Data
 - Explain the monitoring capabilities that are available
 - Troubleshoot common data storage issues
 - Troubleshoot common data processing issues
 - Manage disaster recovery
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Audience:

- The primary audience for this course is Data Professionals, Data Architects, and Business Intelligence Professionals who want to learn about the data platform technologies that exist on Microsoft Azure. The secondary audience for this course is individuals who develop applications that deliver content from the data platform technologies that exist on Microsoft Azure.
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Course Format:

<input type="checkbox"/>	<input type="checkbox"/>
Присъствен (Classroom) Курс в Учебната ни зала или В Офис на Клиент	Онлайн (Online/Virtual) Курс във виртуална зала с инструктор

Course Language Option

<input type="checkbox"/>	<input type="checkbox"/>
Български (Bulgarian)	Английски (English)

You can choose the language in which the training will be conducted – Bulgarian or English. All our instructors are fluent in English.

Student Guides:



The training materials are available in electronic format. They can be used online / offline on any device. Lifetime access.

Lab Environment:



Each student has their own lab environment where the exercises are conducted, part of the course. You do not need to install software on a computer or special hardware requirements.

Participants in a face-to-face format in our Training Center have an individual computer during the training.

At Course Completion:



Lifetime Access - Video
Archive 24/7



Certificate of Course
Completion

Lifetime access to a video archive with recording of each individual lecture.

Official internationally recognized certificate for completed training course.

Course Duration:



- 3 working days (09:00 – 17:00)
or
- 24 hours training (theory and practice) in non-working

hours lasting 2 weeks

Saturday and Sunday 10:00 – 14:00, 14:00 – 18:00, 18:00 – 22:00

Monday and Wednesday 19:00 – 23:00

Tuesday and Thursday 19:00 – 23:00

Payments:



An application for an invoice is accepted at the time of enrollment in the respective course.

An invoice is issued within 7 days of confirming the payment.

Next Class:

■ Notice

There are no upcoming events.

For more information, use the contact format. We will contact you to confirm the data.

Prerequisites:

In addition to their professional experience, students who take this training should have technical knowledge equivalent

to the following courses:

- [Azure Fundamentals](#)
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This Class will teach you how to pass the following exams:

- **Exam DP-200: Implementing an Azure Data Solution**
- [Може да се сертифицирате в нашия тест център с ваучер с отстъпка от цената на изпит.](#)