



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow ECS B.V., Kromme Schaft 5, 3991 AR Houten, The Netherlands

Email: education.ecs.nl@arrow.com

Phone: +31 20 582 6109



Introduction to Microsoft Azure Data

CODE: **LENGTH:** **PRICE:**

MCS_DP-900T00 8 Hours (1 day) Free

Description

In this course, students will gain foundational knowledge of core data concepts and related Microsoft Azure data services. Students will learn about core data concepts such as relational, non-relational, big data, and analytics, and build their foundational knowledge of cloud data services within Microsoft Azure. Students will explore fundamental relational data concepts and relational database services in Azure. They will explore Azure storage for non-relational data and the fundamentals of Azure Cosmos DB. Students will learn about large-scale data warehousing, real-time analytics, and data visualization.

Audience

The audience for this course is individuals who want to learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure.

Programme

Explore core data concepts

- Introduction
- Identify data formats
- Explore file storage
- Explore databases
- Explore transactional data processing
- Explore analytical data processing
- Module assessment
- Summary

Explore data roles and services

- Introduction
- Explore job roles in the world of data
- Identify data services
- Module assessment
- Summary

Explore fundamental relational data concepts

- Introduction
- Understand relational data
- Understand normalization
- Explore SQL
- Describe database objects
- Module assessment
- Summary

Explore relational database services in Azure

- Introduction
- Describe Azure SQL services and capabilities
- Describe Azure services for open-source databases
- Exercise: Explore Azure relational database services
- Module assessment
- Summary

Explore Azure Storage for nonrelational data

- Introduction
- Explore Azure blob storage
- Explore Azure Data Lake Storage Gen2
- Explore Microsoft OneLake in Fabric
- Explore Azure Files
- Explore Azure Tables
- Exercise: Explore Azure Storage
- Module assessment
- Summary

Explore fundamentals of Azure Cosmos DB

- Introduction
- Describe Azure Cosmos DB
- Identify Azure Cosmos DB APIs
- Exercise: Explore Azure Cosmos DB
- Module assessment
- Summary

Explore fundamentals of large-scale analytics

- Introduction
- Describe data warehousing architecture
- Explore data ingestion pipelines
- Explore analytical data stores
- Exercise: Explore data analytics in Microsoft Fabric
- Knowledge check
- Summary

Explore fundamentals of real-time analytics

- Introduction
- Understand batch and stream processing
- Explore common elements of stream processing architecture
- Explore Microsoft Fabric Real-Time Intelligence
- Explore Apache Spark structured streaming
- Exercise: Explore Microsoft Fabric Real-Time Intelligence
- Module assessment
- Summary

Explore fundamentals of data visualization

- Introduction
- Describe Power BI tools and workflow
- Describe core concepts of data modeling
- Describe considerations for data visualization
- Exercise - Explore fundamentals of data visualization with Power BI
- Module assessment
- Summary

Session Dates

On request. Please [contact us](#)

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)