



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Du kan nå oss her**

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# DP-201: Designing an Azure Data Solution

CODE:	LENGTH:	PRICE:
MCS_DP-201	2 day(s)	kr14,000.00

## Description

In this course, the students will design various data platform technologies into solutions that are in line with business and technical requirements. This can include on-premises, cloud, and hybrid data scenarios which incorporate relational, No-SQL or Data Warehouse data. They will also learn how to design process architectures using a range of technologies for both streaming and batch data.

The students will also explore how to design data security including data access, data policies and standards. They will also design Azure data solutions which includes the optimization, availability and disaster recovery of big data, batch processing and streaming data solutions.

This course, together with DP-200, will help you prepare for the new Azure Data Engineer Associate certification.

## Audience

The 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.

## Prerequisites

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

- Azure fundamentals
- DP-200: Implementing an Azure Data Solution

## Programme

Core Principles of Creating Architectures

Design with Security in Mind

Performance and Scalability

Design for availability and recoverability

Module 1: Data Platform Architecture Considerations Design for efficiency and operations

Lambda architectures from a Batch Mode Perspective

Design an Enterprise BI solution in Azure

Automate enterprise BI solutions in Azure

Module 2: Azure Batch Processing Reference Architectures Architect an Enterprise-grade Conversational Bot in Azure

Lambda architectures for a Real-Time Perspective

Architect a stream processing pipeline with Azure Stream Analytics

Design a stream processing pipeline with Azure Databricks

Module 3: Azure Real-Time Reference Architectures Create an Azure IoT reference architecture

Defense in Depth Security Approach

Identity Management

Infrastructure Protection

Encryption Usage

Network Level Protection

Module 4: Data Platform Security Design Considerations Application Security

Adjust Workload Capacity by Scaling  
Optimize Network Performance  
Design for Optimized Storage and Database Performance  
Identifying Performance Bottlenecks  
Design a Highly Available Solution  
Incorporate Disaster Recovery into Architectures

Module 5: Designing for Resiliency and Scale Design Backup and Restore strategies

Maximizing the Efficiency of your Cloud Environment

Use Monitoring and Analytics to Gain Operational Insights

Module 6: Design for Efficiency and Operations Use Automation to Reduce Effort and Error

## Test and Certification

This course is recommended as preparation for exam DP-201.

Course DP 201, together with DP-200, will help you prepare for the two new exams that lead to the Azure Data Engineer Associate certification.

## Session Dates

Ved forespørsel. Vennligst [kontakt oss](#)

## Tilleggsinformasjon

[Denne treningen er også tilgjengelig som trening på stedet. Kontakt oss for å finne ut mer.](#)