ARROW

Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Du kan nå oss her

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DP-201: Designing an Azure Data Solution

CODE:	LENGTH:	PRICE:
MCS_DP-201	16 Hours (2 days)	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.