55247: Designing and Implementing Cloud Data Platform Solutions

Duration: 3 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course will teach participants to design and implement database solutions in SQL Server and on Microsoft® Azure®. Participants will be acquainted with disaster recovery, security, monitoring, troubleshooting and availability options.

Target Audience

This course is intended for:

- Experienced data professionals who design and implement on-premises and Microsoft Azure data solutions.

Prerequisites

To attend this course, candidates must have:

- Experience working with databases.
- Experience using SQL.

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Create SQL Server and Microsoft Azure data solutions.
- Create security solutions for on-premises and cloud databases.
- Configure high-availability, disaster recovery and scalability options for databases.
- Monitor, manage and automate database solutions.

Course Topics

Module 1: Designing and Implementing Database Solutions for SQL Server and Microsoft Azure

- Design and Implement Hybrid SQL Server Solutions
- Design and Implement Azure SQL Database Solutions
- Design and Implement MySQL and PostgreSQL database Solutions in Azure
- Review

Module 2: Manage, Design and Implement Database Security

- Design and Implement SQL Server Database Security
- Design and Implement Azure SQL Database Security
- Review

Module 3: Design for High-Availability, Disaster Recovery and Scalability

- Design and Implement High-Availability Solutions
- Design and Implement Disaster Recovery Solutions
- Design and Implement Scalability Solutions
- Review

Module 4: Monitor and Troubleshoot Database Implementations in Azure

- Monitor and Troubleshoot SQL Server VMs on Azure
- Monitor and Troubleshoot Azure SQL Databases
- Review

LABS INCLUDED