DESIGNING AND IMPLEMENTING CLOUD DATA PLATFORM SOLUTIONS (M55247)

Course Code: 9885

Designing and Implementing Database Solutions in SQL Server and on Microsoft Azure

This course is intended for data professionals who want to design and implement database solutions in SQL Server and on Microsoft Azure. Security, Availability, Disaster Recovery, Scalability, Monitoring and Troubleshooting options will also be demonstrated.

What You’ll Learn

- 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

Who Needs to Attend

This course is intended for experienced data professionals who design and implement on-premises and Microsoft Azure data solutions.

Prerequisites

- Experience working with databases
- Experience using SQL
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CLASSROOM LIVE $2,095 USD 3 days

Classroom Live Outline

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

Classroom Live Labs

Lab 1: Designing and Implementing Database Solutions for SQL Server and Microsoft Azure
  • Implement a Hybrid SQL Server solution
• Implement an Azure SQL Database solution
• Implement a MySQL database solution
• Implement a PostgreSQL database solution

Lab 2: Manage, Design and Implement Database Security
• Implement SQL Server database security
• Implement Azure SQL Database security

Lab 3: Create Microsoft Azure Data Objects using Python
• Implement a High-Availability Solution
• Implement a Disaster Recovery Solution
• Implement a Scalability Solution

Lab 4: Create Microsoft Azure Data Processes using Python
• Monitor and Troubleshoot SQL Server
• Monitor and Troubleshoot Azure SQL Databases
Virtual Classroom Live Outline

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Aug 10 - 12, 2020 | 9:00 AM - 6:00 PM EST
Aug 17 - 19, 2020 | 12:00 - 9:00 PM EST
Sep 14 - 16, 2020 | 9:00 AM - 6:00 PM EST