40510: SQL Server Hybrid Cloud

Duration: 1 Day
Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

In this course, participants will work with a media publishing company to design a hybrid cloud disaster recovery solution. They will design the solution to handle large spikes in load and harden the security to include encryption of Payment Card Industry (PCI) data. Additionally, they will implement an archival strategy to keep databases sizes in check.

Target Audience

This course is intended for:
- Developers
- Cloud Architects
- IT professionals who want to learn more about Azure and Azure services.

Prerequisites

To attend this course, candidates must have:
- Architectural expertise of infrastructure and solutions design in cloud technologies.
- Experience in other non-Microsoft cloud technologies.

Course Objectives

At the end of this workshop, you will be better able to:
- Design a hybrid disaster recovery solution between an on-premise VMWare environment and Azure.
- Design a SQL Server scale-out solution.
- Protect database backups from local failures.
- Archive cold data from an on-premises SQL Server.
- Perform end-to-end encryption on sensitive application data.

Course Topics

Module 1: Whiteboard Design Session

- Review the Customer Case Study
- Design a Proof-of-Concept Solution
- Present the Solution

Hands-on Lab: SQL Server Hybrid Cloud

- SQL Backup Solution
- Implement a Data Archive Strategy with SQL Server Stretch Database
- Build SQL Availability Group for Database Disaster Recovery
- Configure Azure Site Recovery for Web Tier DR
- Failing Over to the Disaster Recovery Site