MS-40527 Microsoft Cloud Workshop: Azure Security, Privacy, and Compliance (MS-40527)

Modality: Virtual Classroom

Duration: 1 Day

SATV Value: 1

About this Course:

As technology becomes an integral part of almost all industries today, it is pertinent to remember that no business can be entirely successful without utilizing modern tech. Microsoft is a key player in the world of cloud technology. Azure cloud is use by many big companies and the demand for Azure developers keeps on increasing. An Azure developer can earn up to an average of $138,478 per annum.

This particular course is designed to guide participants about the security features available in Microsoft Azure. This course focuses on teaching individuals multiple ways to improve the security practices in MS Azure. This course uses an end to end approach using these techniques but does not perform a function in any conceivable portion.

Course Objectives:

By the end of this course, the students should be have learnt the following skills and be able to;

- Gain a comprehensive understanding of Azure Identity and Access Management
- Learn about Azure Web Applications
- Gain a comprehensive understanding of Azure Security Center
- Gain a comprehensive understanding of Azure Log Analytics and Monitor
- Learn about Power BI
- Learn to create Networks with Network Security Groups and Azure Virtual Machines
- Gain a comprehensive understanding of Azure SQL Database and related security characteristics (Column Level Encryption, TDE, Threat Detection, etc)
- Learn about SQL Server-Virtual-Machines
- Gain a comprehensive understanding of Virtual Private Networks (Site to Site, Point to Point)
- Learn to use MS Intune
- Learn to use MS Azure Active Directory
- Gain a comprehensive understanding of Azure Storage Encryption
- Gain a comprehensive understanding of Conditional Access controls
- Learn about Azure Key Vault Integrations

Audience:

This course is targeted towards the following audience;

- Those IT professionals and cloud architects who have architectural experience in cloud

technology architecture and software design but aspire to learn about Azure and Azure services, as mentioned in the 'At Course Completion' and 'About this Course' areas.

Prerequisites:

These are the prerequisites which are an absolute requirement for attending this course.

- A previous fundamental knowledge of Non-MS Cloud technologies
- Participants must fulfill the preconditions of this course
- A wish to cross-train on Azure.

Course Outline:

Module 1: Whiteboard Design Session - Azure security, privacy, and compliance

Lessons

- Review the customer case study
- Design a proof of concept solution
- Present the solution

Module 2: Hands-On Lab - Azure security, privacy, and compliance

?Lessons

- Implementing Just-In-Time (JIT) access
- Securing the Web Application and Database
- Migrating to Azure Key Vault
- Securing the Network
- Creating security log alerts
- Creating Compliance Reports with Power BI
- Using Compliance Manager