SC-5002: Secure Azure services and workloads with Microsoft Defender for Cloud regulatory compliance controls

Course ID #: 7000-898-ZZ-Z

Hours: 7

Course Content

Course Description:

This course guides you in securing Azure services and workloads using Microsoft Cloud Security Benchmark controls in Microsoft Defender for Cloud via the Azure portal.

Prerequisites:

None

Target Audience:

- Security Engineer
- Administrators

Topics:

Examine Defender for Cloud regulatory compliance standards

- Introduction
- Regulatory compliance standards in Defender for Cloud
- Microsoft cloud security benchmark in Defender for Cloud
- Improve your regulatory compliance in Defender for Cloud

Enable Defender for Cloud on your Azure subscription

- Introduction
- Connect your Azure subscriptions
- Exercise - Configuring Microsoft Defender for Cloud for Enhanced Protection

Filter network traffic with a network security group using the Azure portal

- Introduction
- Azure resource group
- Azure Virtual Network
- How network security groups filter network traffic
- Application security groups
- Exercise - Create a virtual network infrastructure

Create a Log Analytics workspace

- Introduction
- Log Analytics workspace
- Exercise - Create a Log Analytics workspace

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Collect guest operating system monitoring data from Azure and hybrid virtual machines using Azure Monitor Agent

- Introduction
- Deploy the Azure Monitor Agent
- Collect data with Azure Monitor Agent
- Collect data from your workloads with the Log Analytics agent
- Configure the Log Analytics agent and workspace
- Exercise - Create and edit data collection rules and associations in Azure Monitor
- Exercise - Create a data collection rule and install the Azure Monitor Agent

Explore just-in-time virtual machine access

- Introduction
- Understand just-in-time virtual machine access
- Enable just-in-time access on virtual machines
- Exercise - Enable just-in-time access on virtual machines

Configure Azure Key Vault networking settings

- Introduction
- Azure Key Vault basic concepts
- Best practices for Azure Key Vault
- Azure Key Vault network security
- Configure Azure Key Vault firewalls and virtual networks
- Exercise - Configure Key Vault networking settings
- Azure Key Vault soft delete overview
- Virtual network service endpoints for Azure Key Vault
- Exercise - Enable soft delete in Azure Key Vault

Connect an Azure SQL server using an Azure Private Endpoint using the Azure portal

- Introduction
- Azure Private Endpoint
- Azure Private Link
- Exercise - Connect to an Azure SQL server using an Azure Private Endpoint using the Azure portal

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NASBA Information

Level: Intermediate
Attendance Requirement: To be awarded the full credit hours, you must sign in and attend the entire course.
Fields: Computer Software & Applications
CPEs: 14

Policies: Course Registration, Cancellation, Refund and Complaint Resolution
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