

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

Module 1: 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

Knowledge check

Summary

Module 2: Create a Log Analytics workspace for Microsoft Defender for Cloud

Introduction

Defender for Cloud monitoring components

Exercise - Create a workspace

Knowledge check

Summary

Module 3: Set up Microsoft Defender for Cloud

Introduction

Implement Microsoft Defender for Cloud

Security posture

Workload protections

Deploy Microsoft Defender for Cloud

Exercise - Enable Defender for Cloud on your Azure subscription

Azure Arc

Azure Arc capabilities

Microsoft cloud security benchmark

Improve your regulatory compliance

Configure Microsoft Defender for Cloud policies

View and edit security policies

Manage and implement Microsoft Defender for Cloud recommendations

Explore secure score

MITRE Attack matrix

Define brute force attacks

Understand just-in-time VM access

Implement just-in-time VM access

Exercise - Enable just-in-time access on Virtual Machines

Knowledge check

Summary

Module 4: Configure and integrate a Log Analytics agent and workspace in Defender for Cloud

Introduction

Collect data from your workloads with the Log Analytics agent

Configure the Log Analytics agent and workspace

Exercise - Collect data from your workloads with the Log Analytics agent

Knowledge check

Summary

Module 5: Configure Azure Key Vault networking settings

Introduction

Azure Key Vault basic concepts

Best practices for Azure Key Vault

Azure Key Vault security

Configure Azure Key Vault firewalls and virtual networks

Exercise - Configure Key Vault firewall and virtual networks

Azure Key Vault soft delete overview

Virtual network service endpoints for Azure Key Vault

Exercise - Configure Azure Key Vault recovery management with soft delete and purge protection

Knowledge check

Summary

Module 6: Connect an Azure SQL server using an Azure Private Endpoint using the Azure portal

Introduction

Azure Private Endpoint

Azure Private Link

Exercise - Deploy a virtual machine to test connectivity privately and securely to the SQL server across the private endpoint

Knowledge check

Summary