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

Description

Secure Your Azure Services and Workloads

Cloud service security is essential to ensure compliance with current regulations. With the training "Securing Azure Services and Workloads with Microsoft Defender for Cloud for Regulatory Compliance Controls (SC-5002)," you will learn how to enhance the protection of your Azure infrastructures. This program guides you through implementing best security practices using Microsoft Defender for Cloud.

Master Key Compliance Tools

In this course, you will discover how Microsoft Defender for Cloud simplifies regulatory compliance. You will learn to analyze and address vulnerabilities using tools such as Azure Key Vault, Azure Log Analytics, and Azure Private Link. Additionally, you will see how to configure network security groups and enhance the monitoring of Azure virtual machines.

Niveau
Intermédiaire
Course Content
Module 1: Examine Defender for Cloud regulatory compliance standards

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

Module 2: Enable Defender for Cloud on your Azure subscription

- Connect your Azure subscriptions
- Configure Microsoft Defender for Cloud for enhanced protection

Module 3: Filter network traffic with a network security group using the Azure portal

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

Module 4: Create a Log Analytics workspace

- Log Analytics workspace
- Create a Log Analytics workspace

Module 5: Collect guest operating system monitoring data from Azure and hybrid virtual machines using Azure Monitor Agent

- Deploy the Azure Monitor Agent
- Collect data with Azure Monitor Agent
- Create a data collection rule and install the Azure Monitor Agent

Module 6: Explore just-in-time virtual machine access

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

Module 7: Configure Azure Key Vault networking settings

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

Module 8: Connect an Azure SQL server using an Azure Private Endpoint

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

Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

Documentation

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

Participant profiles

- Cloud and security administrators
- Cybersecurity engineers
- Cloud architects
- Compliance and information security consultants
- IT managers looking to enhance Azure service security

Prerequisites

- Basic knowledge of Azure services and concepts
- Understanding of fundamental cybersecurity principles
- Experience in managing cloud resources and Azure subscriptions

Objectives

- Use Microsoft Defender for Cloud to ensure regulatory compliance
- Activate and configure Defender for Cloud on an Azure subscription

- Set up network security groups to filter traffic
- Create and manage an Azure Log Analytics workspace
- Deploy and configure the Azure Monitor agent to collect data
- Manage secure access to Azure virtual machines with Just-in-Time access
- Configure Azure Key Vault networking to protect secrets
- Connect an Azure SQL Server with Azure Private Endpoint

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Secure Azure services and workloads with Microsoft Defender for Cloud regulatory compliance controls (SC-5002)
Classroom Registration Price (CHF)
900
Virtual Classroom Registration Price (CHF)
850
Duration (in Days)
1
Reference
SC-5002