

COURSE OUTLINE

Microsoft Security, Compliance, and Identity Fundamentals

Duration: 1 Day

Course Description:

This course provides foundational level knowledge on security, compliance, and identity concepts and related cloud-based Microsoft solutions.

Target Audience:

The audience for this course is looking to familiarize themselves with the fundamentals of security, compliance, and identity (SCI) across cloud-based and related Microsoft services. The content for this course aligns to the SC-900 exam objective domain. Candidates should be familiar with Microsoft Azure and Microsoft 365 and understand how Microsoft security, compliance, and identity solutions can span across these solution areas to provide a holistic and end-to-end solution.

Before attending this course, students must have:

- General understanding of networking and cloud computing concepts.
- General IT knowledge or any general experience working in an IT environment.
- General understanding of Microsoft Azure and Microsoft 365.

Course Outline:

Describe security and compliance concepts

- Introduction
- Describe the shared responsibility model
- Describe defense in depth
- Describe the Zero Trust model
- Describe encryption and hashing
- Describe governance, risk, and compliance (GRC) concepts

Describe identity concepts

- Introduction
- Define authentication and authorization
- Define identity as the primary security perimeter
- Describe the role of the identity provider
- Describe the concept of directory services and Active Directory
- Describe the concept of federation

Describe the function and identity types of Microsoft Entra ID

- Introduction
- Describe Microsoft Entra ID
- Describe types of identities
- Describe hybrid identity
- Describe external identities

Describe the authentication capabilities of Microsoft Entra ID

- Introduction
- Describe authentication methods
- Describe multifactor authentication
- Describe self-service password reset
- Describe password protection and management capabilities

Describe access management capabilities of Microsoft Entra ID

- Introduction
- Describe Conditional Access
- Describe Microsoft Entra roles and role-based access control (RBAC)

Describe the identity protection and governance capabilities of Azure AD

- Introduction
- Describe Microsoft Entra ID Governance
- Describe access reviews
- Describe entitlement management
- Describe the capabilities of Privileged identity Management
- Describe Microsoft Entra ID Protection
- Describe Microsoft Entra Permissions Management
- Describe Microsoft Entra Verified ID

Describe core infrastructure security services in Azure

- Introduction
- Describe Azure DDoS protection
- Describe Azure Firewall
- Describe Web Application Firewall
- Describe network segmentation in Azure
- Describe Azure Network Security Groups
- Describe Azure Bastion
- Describe Azure Key Vault

Describe the security management capabilities in Azure

- Introduction
- Describe Microsoft Defender for Cloud
- Describe how security policies and initiatives improve cloud security posture
- Describe Cloud security posture management
- Describe the enhanced security of Microsoft Defender for Cloud
- Describe DevOps security management

Describe security capabilities of Microsoft Sentinel

- Introduction
- Define the concepts of SIEM and SOAR
- Describe threat detection and mitigation capabilities in Microsoft Sentinel
- Describe Microsoft Security Copilot

Describe threat protection with Microsoft Defender XDR

- Introduction
- Describe Microsoft Defender XDR services
- Describe Microsoft Defender for Office 365
- Describe Microsoft Defender for Endpoint
- Describe Microsoft Defender for Cloud Apps
- Describe Microsoft Defender for Identity
- Describe Microsoft Defender Vulnerability Management
- Describe Microsoft Defender Threat Intelligence
- Describe the Microsoft Defender portal

Describe Microsoft's Service Trust portal and privacy capabilities

- Introduction
- Describe the offerings of the Service Trust portal
- Describe Microsoft's privacy principles
- Describe Microsoft Priva

Describe the compliance management capabilities in Microsoft Purview

- Introduction
- Describe the Microsoft Purview compliance portal
- Describe Compliance Manager
- Describe use and benefits of compliance score

Describe information protection, data lifecycle management, and data governance capabilities in Microsoft Purview

- Introduction
- Know your data, protect your data, and govern your data
- Describe the data classification capabilities of the compliance portal
- Describe sensitivity labels and policies
- Describe data loss prevention
- Describe retention policies and retention labels
- Describe records management
- Describe the Microsoft Purview unified data governance solution

Describe the insider risk capabilities in Microsoft Purview

- Introduction
- Describe insider risk management
- Describe communication compliance

Describe the eDiscovery and Audit capabilities in Microsoft Purview

- Introduction
- Describe the eDiscovery solutions in Microsoft Purview
- Describe the audit solutions in Microsoft Purview

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