SC-900T00: Microsoft Security, Compliance, and Identity Fundamentals

Course Details

Course Code: SC-900T00

Duration: 1 day

Notes:

- This course syllabus should be used to determine whether the course is appropriate for the students, based on their current skills and technical training needs.
- Course content, prices, and availability are subject to change without notice.
- Terms and Conditions apply

Elements of this syllabus are subject to change.

About this course

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

Audience Profile

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.

Prerequisites

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.

Describe security and compliance concepts

Learn about common security and compliance concepts that are foundational to Microsoft solutions. Topics include the shared responsibility and Zero Trust models, encryption, data residency and data sovereignty, and more.

Learning objectives

After completing this module, you will be able to:

- Describe the shared responsibility and the defence-in-depth security models.
- Describe the Zero-Trust model.
- Describe the concepts of encryption and hashing.
- Describe some basic compliance concepts.

Describe identity concepts

Learn about the key concepts of authentication and authorization and why identity is important in securing corporate resources. You'll also learn about some identity-related services.

Learning objectives

After completing this module, you will be able to:

- Understand the difference between authentication and authorization.
- Describe the concept of identity as a security perimeter.
- Describe identity-related services.

Describe the function and identity types of Microsoft Entra ID

Microsoft Entra ID is Microsoft's cloud-based identity and access management solution that connects people to their apps, devices, and data. Learn about the functions and identity types supported by Microsoft Entra ID.

Learning objectives

By the end of this module, you'll be able to:

- Describe the function of Microsoft Entra ID.
- Describe the types of identities Microsoft Entra ID supports.

Describe the authentication capabilities of Microsoft Entra ID

Learn about the authentication capabilities of Microsoft Entra ID, including multifactor authentication, and how they improve security.

You'll also learn about self-service password reset (SSPR) and the password protection and management capabilities.

Learning objectives

After completing this module, you'll be able to:

- Describe the authentication methods of Entra ID.
- Describe multifactor authentication (MFA) in Entra ID.
- Describe self-service password reset (SSPR) in Entra ID.
- Describe the password protection and management capabilities of Entra ID.

Describe access management capabilities of Microsoft Entra ID

A key function of Microsoft Entra ID is to manage access. Learn about the conditional access and how Microsoft Entra roles and role-based access control (RBAC) helps organizations manage and control access.

Learning objectives

By the end of this module, you'll be able to:

- Describe Conditional Access in Microsoft Entra ID.
- Describe Microsoft Entra roles and role-based access control.

Describe the identity protection and governance capabilities of Microsoft Entra

Learn about protecting and governing identities with Microsoft Entra ID. Learn about Permissions Management and how it enables organization to discover, remediate, and monitor permission risks across your multicolour infrastructure.

Learning objectives

By the end of this module, you'll be able to:

- Describe the identity protection and governance capabilities of Microsoft Entra ID.
- Describe Privileged Identity Management.
- Describe Permissions Management.

Describe core infrastructure security services in Azure

Learn about capabilities Azure supports to protect your network, VMs, and your data.

Learning objectives

After completing this module, you will be able to:

- Learn how Azure security capabilities can protect the network
- Learn how Azure can protect your VMs
- Learn how to keep secrets safe with Azure Key Vault

Describe the security management capabilities in Azure

Learn about Microsoft Defender for Cloud and the capabilities it brings together to protect your cloud through secure score, recommendations, and enhanced features that provide cloud workload protection.

Learning objectives

After completing this module, you'll be able to:

- Describe Microsoft Defender for Cloud.
- Describe how security policies and initiatives improve cloud security posture.
- Describe how the three pillars of Microsoft Defender for Cloud protect against cyber threats and vulnerabilities.

Describe the capabilities in Microsoft Sentinel

Learn about Microsoft Sentinel a scalable, cloud-native, security information event management (SIEM) and security orchestration automated response (SOAR) solution. In this module, you'll also be introduced to Microsoft Security Co-pilot.

Learning objectives

After completing this module, you'll be able to:

- Describe the security concepts for SIEM and SOAR.
- Describe how Microsoft Sentinel provides threat detection and mitigation.
- Describe Microsoft Security Copilot.

Describe threat protection with Microsoft 365 Defender

Protect against cyber threats with Microsoft 365 Defender across endpoints, identities, email, and applications.

Learning objectives

After completing this module, you'll be able to:

- Describe the Microsoft 365 Defender service.
- Describe how Microsoft 365 Defender provides integrated protection against sophisticated attacks.
- Describe and explore Microsoft 365 Defender portal.

Describe Microsoft's Service Trust portal and privacy capabilities

Microsoft runs on trust! Here you'll explore the Service Trust Portal for content on how Microsoft delivers on our commitment of trust. You'll also learn about Microsoft Priva, a solution to help meet privacy goals.

Learning objectives

After completing this module, you'll be able to:

- Describe the offerings of the Service Trust Portal.
- Describe Microsoft's Privacy principles.
- Describe Microsoft Priva.

Describe the compliance management capabilities in Microsoft Purview

Explore the Microsoft Purview compliance portal, the portal for organizations to manage their compliance needs. Learn about the Compliance Manager and compliance score, which can help organizations manage, simplify, and improve compliance across their organization.

Learning objectives

After completing this module, you'll be able to:

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

Describe the information protection and data lifecycle management in Microsoft Purview

Information protection and data lifecycle management in Microsoft Purview helps organizations classify, protect, and retain their data where it lives and wherever it goes. Learn about data classification capabilities, data loss prevention, and records management.

Learning objectives

After completing this module, you'll be able to:

- Describe data classification capabilities
- Describe records management
- Describe data loss prevention

Describe the insider risk capabilities in Microsoft Purview

Insider risks are a top concern for organizations. These risks can be challenging to identify and mitigate. Learn how Microsoft Purview enables organizations to identify, analyze, and remediate internal risks before they cause harm.

Learning objectives

After completing this module, you'll be able to:

- Describe insider risk management
- Describe communication compliance

Describe the eDiscovery and Audit capabilities in Microsoft Purview

Organizations may need to identify, collect, and/or audit information for legal, regulatory, or business reasons. Learn how the eDiscovery and audit capabilities of Microsoft Purview help organizations find relevant data quickly.

Learning objectives

After completing this module, you'll be able to:

- Describe the eDiscovery capabilities of Microsoft Purview.
- Describe the auditing capabilities of Microsoft Purview.