SC-900 Study Guide

**Skills measured as of July 26, 2024**

**Skills at a glance**

* Describe the concepts of security, compliance, and identity (10–15%)
* Describe the capabilities of Microsoft Entra (25–30%)
* Describe the capabilities of Microsoft security solutions (35–40%)
* Describe the capabilities of Microsoft compliance solutions (20–25%)

**Describe the concepts of security, compliance, and identity (10–15%)**

**Describe security and compliance concepts**

* 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

**Define identity concepts**

* Define identity as the primary security perimeter
* Define authentication
* Define authorization
* Describe identity providers
* Describe the concept of directory services and Active Directory
* Describe the concept of federation

**Describe the capabilities of Microsoft Entra (25–30%)**

**Describe function and identity types of Microsoft Entra ID**

* Describe Microsoft Entra ID
* Describe types of identities
* Describe hybrid identity

**Describe authentication capabilities of Microsoft Entra ID**

* Describe the authentication methods
* Describe multi-factor authentication (MFA)
* Describe password protection and management capabilities

**Describe access management capabilities of Microsoft Entra ID**

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

**Describe identity protection and governance capabilities of Microsoft Entra**

* Describe Microsoft Entra ID Governance
* Describe access reviews
* Describe the capabilities of Microsoft Entra Privileged Identity Management
* Describe Microsoft Entra ID Protection
* Describe Microsoft Entra Permissions Management

**Describe the capabilities of Microsoft security solutions (35–40%)**

**Describe core infrastructure security services in Azure**

* Describe Azure distributed denial-of-service (DDoS) Protection
* Describe Azure Firewall
* Describe Web Application Firewall (WAF)
* Describe network segmentation with Azure virtual networks
* Describe network security groups (NSGs)
* Describe Azure Bastion
* Describe Azure Key Vault

**Describe security management capabilities of Azure**

* Describe Microsoft Defender for Cloud
* Describe Cloud Security Posture Management (CSPM)
* Describe how security policies and initiatives improve the cloud security posture
* Describe enhanced security features provided by cloud workload protection

**Describe capabilities of Microsoft Sentinel**

* Define the concepts of security information and event management (SIEM) and security orchestration automated response (SOAR)
* Describe threat detection and mitigation capabilities in Microsoft Sentinel

**Describe threat protection with Microsoft Defender XDR**

* 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 (Defender TI)
* Describe the Microsoft Defender portal

**Describe the capabilities of Microsoft compliance solutions (20–25%)**

**Describe Microsoft Service Trust Portal and privacy principles**

* Describe the Service Trust Portal offerings
* Describe the privacy principles of Microsoft
* Describe Microsoft Priva

**Describe compliance management capabilities of Microsoft Purview**

* Describe the Microsoft Purview compliance portal
* Describe Compliance Manager
* Describe the uses and benefits of compliance score

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

* Describe the data classification capabilities
* Describe the benefits of Content explorer and Activity explorer
* Describe sensitivity labels and sensitivity label policies
* Describe data loss prevention (DLP)
* Describe records management
* Describe retention policies, retention labels, and retention label policies
* Describe unified data governance solutions in Microsoft Purview

**Describe insider risk, eDiscovery, and audit capabilities in Microsoft Purview**

* Describe insider risk management
* Describe eDiscovery solutions in Microsoft Purview
* Describe audit solutions in Microsoft Purview