

# Exam Questions SC-100

Microsoft Cybersecurity Architect

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#### NEW QUESTION 1

- (Exam Topic 1)

You need to recommend a solution to resolve the virtual machine issue. What should you include in the recommendation?

- A. Onboard the virtual machines to Microsoft Defender for Endpoint.
- B. Onboard the virtual machines to Azure Arc.
- C. Create a device compliance policy in Microsoft Endpoint Manager.
- D. Enable the Qualys scanner in Defender for Cloud.

**Answer:** A

#### NEW QUESTION 2

- (Exam Topic 1)

You need to recommend a solution to meet the AWS requirements.

What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 3

- (Exam Topic 1)

You need to recommend a solution to meet the compliance requirements.

What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 4

- (Exam Topic 1)

What should you create in Azure AD to meet the Contoso developer requirements?

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 5

- (Exam Topic 2)

You need to recommend a SIEM and SOAR strategy that meets the hybrid requirements, the Microsoft Sentinel requirements, and the regulatory compliance requirements.

What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 6

- (Exam Topic 2)

You need to recommend a solution to evaluate regulatory compliance across the entire managed environment. The solution must meet the regulatory compliance requirements and the business requirements.

What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 7

- (Exam Topic 3)

You have Microsoft Defender for Cloud assigned to Azure management groups. You have a Microsoft Sentinel deployment.

During the triage of alerts, you require additional information about the security events, including suggestions for remediation. Which two components can you use to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. workload protections in Defender for Cloud
- B. threat intelligence reports in Defender for Cloud
- C. Microsoft Sentinel notebooks
- D. Microsoft Sentinel threat intelligence workbooks

**Answer:** A

#### NEW QUESTION 8

- (Exam Topic 3)

You are designing a security strategy for providing access to Azure App Service web apps through an Azure Front Door instance. You need to recommend a solution to ensure that the web apps only allow access through the Front Door instance. Solution: You recommend access restrictions based on HTTP headers that have the Front Door ID. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 9

- (Exam Topic 3)

You have an Azure subscription that has Microsoft Defender for Cloud enabled. You are evaluating the Azure Security Benchmark V3 report.

In the Secure management ports controls, you discover that you have 0 out of a potential 8 points. You need to recommend configurations to increase the score of the Secure management ports controls. Solution: You recommend enabling adaptive network hardening. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 10

- (Exam Topic 3)

You are evaluating an Azure environment for compliance.

You need to design an Azure Policy implementation that can be used to evaluate compliance without changing any resources.

Which effect should you use in Azure Policy?

- A. Deny
- B. Disabled
- C. Modify
- D. Append

**Answer:** A

#### NEW QUESTION 10

- (Exam Topic 3)

Your company is developing an invoicing application that will use Azure Active Directory (Azure AD) B2C. The application will be deployed as an App Service web app. You need to recommend a solution to the application development team to secure the application from identity related attacks. Which two configurations should you recommend? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Azure AD Conditional Access integration with user flows and custom policies
- B. Azure AD workbooks to monitor risk detections
- C. custom resource owner password credentials (ROPC) flows in Azure AD B2C
- D. access packages in Identity Governance
- E. smart account logout in Azure AD B2C

**Answer:** BE

#### NEW QUESTION 12

- (Exam Topic 3)

You receive a security alert in Microsoft Defender for Cloud as shown in the exhibit. (Click the Exhibit tab.)

After remediating the threat which policy definition should you assign to prevent the threat from reoccurring?

- A. Storage account public access should be disallowed
- B. Azure Key Vault Managed HSM should have purge protection enabled
- C. Storage accounts should prevent shared key access
- D. Storage account keys should not be expired

**Answer:** A

#### NEW QUESTION 15

- (Exam Topic 3)

You are creating an application lifecycle management process based on the Microsoft Security Development Lifecycle (SDL).

You need to recommend a security standard for onboarding applications to Azure. The standard will include

recommendations for application design, development, and deployment What should you include during the application design phase?

- A. static application security testing (SAST) by using SonarQube
- B. dynamic application security testing (DAST) by using Veracode
- C. threat modeling by using the Microsoft Threat Modeling Tool
- D. software decomposition by using Microsoft Visual Studio Enterprise

**Answer:** D

#### NEW QUESTION 17

- (Exam Topic 3)

Your company has an Azure subscription that has enhanced security enabled for Microsoft Defender for Cloud.

The company signs a contract with the United States government. You need to review the current subscription for NIST 800-53 compliance. What should you do first?

- A. From Defender for Cloud, review the Azure security baseline for audit report.
- B. From Defender for Cloud, add a regulatory compliance standard.
- C. From Defender for Cloud, enable Defender for Cloud plans.
- D. From Defender for Cloud, review the secure score recommendations.

**Answer:** D

#### NEW QUESTION 20

- (Exam Topic 3)

Your company has an on-premises network, an Azure subscription, and a Microsoft 365 E5 subscription. The company uses the following devices:

- Computers that run either Windows 10 or Windows 11
- Tablets and phones that run either Android or iOS

You need to recommend a solution to classify and encrypt sensitive Microsoft Office 365 data regardless of where the data is stored. What should you include in the recommendation?

- A. eDiscovery
- B. retention policies
- C. Compliance Manager
- D. Microsoft Information Protection

**Answer:** A

#### NEW QUESTION 24

- (Exam Topic 3)

You have an Azure subscription that has Microsoft Defender for Cloud enabled.

You are evaluating the Azure Security Benchmark V3 report as shown in the following exhibit.

You need to verify whether Microsoft Defender for servers is installed on all the virtual machines that run Windows. Which compliance control should you evaluate?

- A. Data Protection
- B. Incident Response
- C. Posture and Vulnerability Management
- D. Asset Management
- E. Endpoint Security

**Answer:** E

#### NEW QUESTION 26

- (Exam Topic 3)

You have an on-premises network that has several legacy applications. The applications perform LDAP queries against an existing directory service. You are migrating the on-premises infrastructure to a cloud-only infrastructure.

You need to recommend an identity solution for the infrastructure that supports the legacy applications. The solution must minimize the administrative effort to maintain the infrastructure.

Which identity service should you include in the recommendation?

- A. Azure Active Directory Domain Services (Azure AD DS)
- B. Azure Active Directory (Azure AD) B2C
- C. Azure Active Directory (Azure AD)
- D. Active Directory Domain Services (AD DS)

**Answer:** A

#### NEW QUESTION 29

- (Exam Topic 3)

You have a Microsoft 365 E5 subscription and an Azure subscription. You need to evaluate the existing environment to increase the overall security posture for the following components:

- Windows 11 devices managed by Microsoft Intune
- Azure Storage accounts
- Azure virtual machines

What should you use to evaluate the components? To answer, select the appropriate options in the answer area.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 34

- (Exam Topic 3)

A customer uses Azure to develop a mobile app that will be consumed by external users as shown in the following exhibit.

You need to design an identity strategy for the app. The solution must meet the following requirements:

- Enable the usage of external IDs such as Google, Facebook, and Microsoft accounts.
- Be managed separately from the identity store of the customer.
- Support fully customizable branding for each app.

Which service should you recommend to complete the design?

- A. Azure Active Directory (Azure AD) B2C
- B. Azure Active Directory (Azure AD) B2B
- C. Azure AD Connect
- D. Azure Active Directory Domain Services (Azure AD DS)

**Answer:** C

#### NEW QUESTION 37

- (Exam Topic 3)

Your company has an on-premise network in Seattle and an Azure subscription. The on-premises network contains a Remote Desktop server.

The company contracts a third-party development firm from France to develop and deploy resources to the virtual machines hosted in the Azure subscription.

Currently, the firm establishes an RDP connection to the Remote Desktop server. From the Remote Desktop connection, the firm can access the virtual machines hosted in Azure by using custom administrative tools installed on the Remote Desktop server. All the traffic to the Remote Desktop server is captured by a firewall, and the firewall only allows specific connections from France to the server.

You need to recommend a modern security solution based on the Zero Trust model. The solution must minimize latency for developers.

Which three actions should you recommend? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Configure network security groups (NSGs) to allow access from only specific logical groupings of IP address ranges.
- B. Implement Azure Firewall to restrict host pool outbound access.
- C. Configure Azure Active Directory (Azure AD) Conditional Access with multi-factor authentication (MFA) and named locations.
- D. Migrate from the Remote Desktop server to Azure Virtual Desktop.
- E. Deploy a Remote Desktop server to an Azure region located in France.

**Answer:** BDE

#### NEW QUESTION 41

- (Exam Topic 3)



Your company has a hybrid cloud infrastructure.

The company plans to hire several temporary employees within a brief period. The temporary employees will need to access applications and data on the company' premises network.

The company's security policy prevents the use of personal devices for accessing company data and applications.

You need to recommend a solution to provide the temporary employee with access to company resources. The solution must be able to scale on demand.

What should you include in the recommendation?

- A. Migrate the on-premises applications to cloud-based applications.
- B. Redesign the VPN infrastructure by adopting a split tunnel configuration.
- C. Deploy Microsoft Endpoint Manager and Azure Active Directory (Azure AD) Conditional Access.
- D. Deploy Azure Virtual Desktop, Azure Active Directory (Azure AD) Conditional Access, and Microsoft Defender for Cloud Apps.

**Answer: D**

#### NEW QUESTION 43

- (Exam Topic 3)

Your company has on-premises Microsoft SQL Server databases. The company plans to move the databases to Azure.

You need to recommend a secure architecture for the databases that will minimize operational requirements for patching and protect sensitive data by using dynamic data masking. The solution must minimize costs.

What should you include in the recommendation?

- A. Azure SQL Managed Instance
- B. Azure Synapse Analytics dedicated SQL pools
- C. Azure SQL Database
- D. SQL Server on Azure Virtual Machines

**Answer: D**

#### NEW QUESTION 45

- (Exam Topic 3)

Your company plans to deploy several Azure App Service web apps. The web apps will be deployed to the West Europe Azure region. The web apps will be accessed only by customers in Europe and the United States.

You need to recommend a solution to prevent malicious bots from scanning the web apps for vulnerabilities. The solution must minimize the attack surface.

What should you include in the recommendation?

- A. Azure Firewall Premium
- B. Azure Application Gateway Web Application Firewall (WAF)
- C. network security groups (NSGs)
- D. Azure Traffic Manager and application security groups

**Answer: D**

#### NEW QUESTION 50

- (Exam Topic 3)

Your company has an office in Seattle.

The company has two Azure virtual machine scale sets hosted on different virtual networks. The company plans to contract developers in India.

You need to recommend a solution provide the developers with the ability to connect to the virtual machines over SSL from the Azure portal. The solution must meet the following requirements:

- Prevent exposing the public IP addresses of the virtual machines.
- Provide the ability to connect without using a VPN.
- Minimize costs.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Deploy Azure Bastion to one virtual network.
- B. Deploy Azure Bastion to each virtual network.
- C. Enable just-in-time VM access on the virtual machines.
- D. Create a hub and spoke network by using virtual network peering.
- E. Create NAT rules and network rules in Azure Firewall.

**Answer: DE**

#### NEW QUESTION 53

- (Exam Topic 3)

Your company plans to provision blob storage by using an Azure Storage account The blob storage will be accessible from 20 application servers on the internet.

You need to recommend a solution to ensure that only the application servers can access the storage account. What should you recommend using to secure the blob storage?

- A. service tags in network security groups (NSGs)
- B. managed rule sets in Azure Web Application Firewall (WAF) policies
- C. inbound rules in network security groups (NSGs)
- D. firewall rules for the storage account
- E. inbound rules in Azure Firewall

**Answer: C**

#### NEW QUESTION 56

- (Exam Topic 3)

You are designing a security strategy for providing access to Azure App Service web apps through an Azure Front Door instance.

You need to recommend a solution to ensure that the web apps only allow access through the Front Door instance.  
Solution: You recommend access restrictions that allow traffic from the Front Door service tags. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 58

- (Exam Topic 3)

You are designing a security strategy for providing access to Azure App Service web apps through an Azure Front Door instance.

You need to recommend a solution to ensure that the web apps only allow access through the Front Door instance.

Solution: You recommend access restrictions to allow traffic from the backend IP address of the Front Door instance.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 62

- (Exam Topic 3)

Your company has a Microsoft 365 E5 subscription. The company wants to identify and classify data in Microsoft Teams, SharePoint Online, and Exchange Online. You need to recommend a solution to identify documents that contain sensitive information. What should you include in the recommendation?

- A. data classification content explorer
- B. data loss prevention (DLP)
- C. eDiscovery
- D. Information Governance

**Answer:** A

#### NEW QUESTION 67

- (Exam Topic 3)

Your company has a Microsoft 365 E5 subscription.

Users use Microsoft Teams, Exchange Online, SharePoint Online, and OneDrive for sharing and collaborating. The company identifies protected health information (PHI) within stored documents and communications. What should you recommend using to prevent the PHI from being shared outside the company?

- A. insider risk management policies
- B. data loss prevention (DLP) policies
- C. sensitivity label policies
- D. retention policies

**Answer:** A

#### NEW QUESTION 71

- (Exam Topic 3)

Your company has devices that run either Windows 10, Windows 11, or Windows Server. You are in the process of improving the security posture of the devices.

You plan to use security baselines from the Microsoft Security Compliance Toolkit.

What should you recommend using to compare the baselines to the current device configurations?

- A. Microsoft Intune
- B. Policy Analyzer
- C. Local Group Policy Object (LGPO)
- D. Windows Autopilot

**Answer:** D

#### NEW QUESTION 74

- (Exam Topic 3)

You have an Azure subscription that contains virtual machines, storage accounts, and Azure SQL databases. All resources are backed up multiple times a day by using Azure Backup. You are developing a strategy to protect against ransomware attacks.

You need to recommend which controls must be enabled to ensure that Azure Backup can be used to restore the resources in the event of a successful ransomware attack.

Which two controls should you include in the recommendation? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Use Azure Monitor notifications when backup configurations change.
- B. Require PINs for critical operations.
- C. Perform offline backups to Azure Data Box.
- D. Encrypt backups by using customer-managed keys (CMKs).
- E. Enable soft delete for backups.

**Answer:** BC

#### NEW QUESTION 76

- (Exam Topic 3)

You have an Azure subscription that has Microsoft Defender for Cloud enabled. You need to enforce ISO 2700V2013 standards for the subscription. The solution must ensure that noncompliant resources are remediated automatical  
What should you use?

- A. the regulatory compliance dashboard in Defender for Cloud
- B. Azure Policy
- C. Azure Blueprints
- D. Azure role-based access control (Azure RBAC)

**Answer:** D

#### NEW QUESTION 81

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