



# Microsoft

## 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)

You need to recommend a solution to meet the security requirements for the InfraSec group. What should you use to delegate the access?

- A. a subscription
- B. a custom role-based access control (RBAC) role
- C. a resource group
- D. a management group

**Answer:** D

#### NEW QUESTION 5

- (Exam Topic 1)

You need to recommend a solution to meet the security requirements for the virtual machines. What should you include in the recommendation?

- A. an Azure Bastion host
- B. a network security group (NSG)
- C. just-in-time (JIT) VM access
- D. Azure Virtual Desktop

**Answer:** A

#### NEW QUESTION 6

- (Exam Topic 2)

You need to recommend a strategy for App Service web app connectivity. The solution must meet the landing zone 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 2)

You need to recommend a strategy for securing the litware.com forest. The solution must meet the identity 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 8

- (Exam Topic 2)

You need to recommend a multi-tenant and hybrid security solution that meets to the business requirements and the hybrid 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 9

- (Exam Topic 2)

You need to recommend a solution for securing the landing zones. The solution must meet the landing zone requirements and the business requirements. What should you configure for each landing zone?

- A. Azure DDoS Protection Standard
- B. an Azure Private DNS zone
- C. Microsoft Defender for Cloud
- D. an ExpressRoute gateway

**Answer:** D

#### NEW QUESTION 10

- (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 designing the security standards for a new Azure environment.

You need to design a privileged identity strategy based on the Zero Trust model.

Which framework should you follow to create the design?

- A. Enhanced Security Admin Environment (ESAE)
- B. Microsoft Security Development Lifecycle (SDL)
- C. Rapid Modernization Plan (RaMP)
- D. Microsoft Operational Security Assurance (OSA)

**Answer:** A

#### NEW QUESTION 14

- (Exam Topic 3)

You have an Azure subscription that is used as an Azure landing zone for an application. You need to evaluate the security posture of all the workloads in the landing zone. What should you do first?

- A. Add Microsoft Sentinel data connectors.
- B. Configure Continuous Integration/Continuous Deployment (CI/CD) vulnerability scanning.
- C. Enable the Defender plan for all resource types in Microsoft Defender for Cloud.
- D. Obtain Azure Active Directory Premium Plan 2 licenses.

**Answer:** A

#### NEW QUESTION 15

- (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 16

- (Exam Topic 3)

You need to design a solution to provide administrators with secure remote access to the virtual machines. The solution must meet the following requirements:

- Prevent the need to enable ports 3389 and 22 from the internet.
- Only provide permission to connect the virtual machines when required.
- Ensure that administrators use the Azure portal to connect to the virtual machines.

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

- A. Enable Azure Active Directory (Azure AD) Privileged Identity Management (PIM) roles as virtual machine contributors.
- B. Configure Azure VPN Gateway.
- C. Enable Just Enough Administration (JEA).
- D. Enable just-in-time (JIT) VM access.
- E. Configure Azure Bastion.

**Answer:** CE

#### NEW QUESTION 19

- (Exam Topic 3)

You are creating the security recommendations for an Azure App Service web app named App1. App1 has the following specifications:

- Users will request access to App1 through the My Apps portal. A human resources manager will approve the requests.
- Users will authenticate by using Azure Active Directory (Azure AD) user accounts. You need to recommend an access security architecture for App1.

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 21

- (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 configuring gateway-required virtual network integration. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 24

- (Exam Topic 3)

You open Microsoft Defender for Cloud as shown in the following exhibit.

Use the drop-down menus to select the answer choice that complete each statements based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 29

- (Exam Topic 3)

Your company is preparing for cloud adoption.

You are designing security for Azure landing zones.

Which two preventative controls can you implement to increase the secure score? Each NOTE: Each correct selection is worth one point.

- A. Azure Firewall
- B. Azure Web Application Firewall (WAF)
- C. Microsoft Defender for Cloud alerts
- D. Azure Active Directory (Azure AD Privileged Identity Management (PIM)
- E. Microsoft Sentinel

**Answer:** BD

#### NEW QUESTION 32

- (Exam Topic 3)

A customer has a hybrid cloud infrastructure that contains a Microsoft 365 E5 subscription and an Azure subscription.

All the on-premises servers in the perimeter network are prevented from connecting directly to the internet. The customer recently recovered from a ransomware attack.

The customer plans to deploy Microsoft Sentinel.

You need to recommend configurations to meet the following requirements:

- Ensure that the security operations team can access the security logs and the operation logs.
- Ensure that the IT operations team can access only the operations logs, including the event logs of the servers in the perimeter network.

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

- A. Configure Azure Active Directory (Azure AD) Conditional Access policies.
- B. Use the Azure Monitor agent with the multi-homing configuration.
- C. Implement resource-based role-based access control (RBAC) in Microsoft Sentinel.
- D. Create a custom collector that uses the Log Analytics agent.

**Answer:** A

#### NEW QUESTION 36

- (Exam Topic 3)

Your company has a Microsoft 365 E5 subscription, an Azure subscription, on-premises applications, and Active Directory Domain Services (AD DS). You need to recommend an identity security strategy that meets the following requirements:

- Ensures that customers can use their Facebook credentials to authenticate to an Azure App Service website
- Ensures that partner companies can access Microsoft SharePoint Online sites for the project to which they are assigned

The solution must minimize the need to deploy additional infrastructure components. 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 39

- (Exam Topic 3)

Your company is designing an application architecture for Azure App Service Environment (ASE) web apps as shown in the exhibit. (Click the Exhibit tab.)

Communication between the on-premises network and Azure uses an ExpressRoute connection.

You need to recommend a solution to ensure that the web apps can communicate with the on-premises application server. The solution must minimize the number of public IP addresses that are allowed to access the on-premises network.

What should you include in the recommendation?

- A. Azure Traffic Manager with priority traffic-routing methods
- B. Azure Application Gateway v2 with user-defined routes (UDRs).
- C. Azure Front Door with Azure Web Application Firewall (WAF)
- D. Azure Firewall with policy rule sets

**Answer:** A

### NEW QUESTION 41

- (Exam Topic 3)

Your company plans to move all on-premises virtual machines to Azure. A network engineer proposes the Azure virtual network design shown in the following table.

You need to recommend an Azure Bastion deployment to provide secure remote access to all the virtual machines. Based on the virtual network design, how many Azure Bastion subnets are required?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

**Answer:** A

### NEW QUESTION 46

- (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 50

- (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 54

- (Exam Topic 3)

You have a Microsoft 365 subscription and an Azure subscription. Microsoft 365 Defender and Microsoft Defender for Cloud are enabled.

The Azure subscription contains a Microsoft Sentinel workspace. Microsoft Sentinel data connectors are configured for Microsoft 365, Microsoft 365 Defender, Defender for Cloud, and Azure.

You plan to deploy Azure virtual machines that will run Windows Server.

You need to enable extended detection and response (EDR) and security orchestration, automation, and response (SOAR) capabilities for Microsoft Sentinel.

How should you recommend enabling each capability? 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 55

- (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 59

- (Exam Topic 3)

Your company has a third-party security information and event management (SIEM) solution that uses Splunk and Microsoft Sentinel. You plan to integrate Microsoft Sentinel with Splunk.

You need to recommend a solution to send security events from Microsoft Sentinel to Splunk. What should you include in the recommendation?

- A. Azure Event Hubs
- B. Azure Data Factory
- C. a Microsoft Sentinel workbook
- D. a Microsoft Sentinel data connector

**Answer:** C

#### NEW QUESTION 61

- (Exam Topic 3)

You have a hybrid cloud infrastructure.

You plan to deploy the Azure applications shown in the following table.

What should you use to meet the requirement of each app? 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 64

- (Exam Topic 3)

Your company is developing a modern application that will run as an Azure App Service web app. You plan to perform threat modeling to identify potential security issues by using the Microsoft Threat Modeling Tool.

Which type of diagram should you create?

- A. dataflow
- B. system flow
- C. process flow
- D. network flow

**Answer:** C

#### NEW QUESTION 67

- (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 just-in-time (JIT) VM access on all virtual machines.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 68

- (Exam Topic 3)

You have Windows 11 devices and Microsoft 365 E5 licenses.

You need to recommend a solution to prevent users from accessing websites that contain adult content such as gambling sites. What should you include in the recommendation?

- A. Microsoft Endpoint Manager
- B. Compliance Manager
- C. Microsoft Defender for Cloud Apps
- D. Microsoft Defender for Endpoint

**Answer:** D

#### NEW QUESTION 72

- (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 74

- (Exam Topic 3)

Your on-premises network contains an e-commerce web app that was developed in Angular and Nodejs. The web app uses a MongoDB database. You plan to migrate the web app to Azure. The solution architecture team proposes the following architecture as an Azure landing zone.

You need to provide recommendations to secure the connection between the web app and the database. The solution must follow the Zero Trust model. Solution: You recommend creating private endpoints for the web app and the database layer. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 76

- (Exam Topic 3)

Your company is moving a big data solution to Azure.

The company plans to use the following storage workloads:

- Azure Storage blob containers
- Azure Data Lake Storage Gen2
- Azure Storage file shares
- Azure Disk Storage

Which two storage workloads support authentication by using Azure Active Directory (Azure AD)? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Azure Disk Storage
- B. Azure Storage blob containers
- C. Azure Storage file shares
- D. Azure Data Lake Storage Gen2

**Answer:** BD

#### NEW QUESTION 81

- (Exam Topic 3)

You have 50 Azure subscriptions.

You need to monitor resource in the subscriptions for compliance with the ISO 27001:2013 standards. The solution must minimize the effort required to modify the list of monitored policy definitions for the subscriptions.

NOTE: Each correct selection is worth one point.

- A. Assign an initiative to a management group.
- B. Assign a blueprint to each subscription.
- C. Assign a policy to each subscription.
- D. Assign a blueprint to a management group.
- E. Assign an initiative to each subscription.
- F. Assign a policy to a management group.

**Answer:** CD

#### NEW QUESTION 85

- (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 88

- (Exam Topic 3)

You have a Microsoft 365 E5 subscription.

You need to recommend a solution to add a watermark to email attachments that contain sensitive data. What should you include in the recommendation?

- A. Microsoft Defender for Cloud Apps
- B. insider risk management
- C. Microsoft Information Protection
- D. Azure Purview

**Answer:** A

#### NEW QUESTION 89

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