



Microsoft

Exam Questions SC-100

Microsoft Cybersecurity Architect

NEW QUESTION 1

- (Exam Topic 1)

You need to recommend a solution to secure the MedicalHistory data in the ClaimsDetail table. The solution must meet the Contoso developer requirements. What should you include in the recommendation?

- A. Transparent Data Encryption (TDE)
- B. Always Encrypted
- C. row-level security (RLS)
- D. dynamic data masking
- E. data classification

Answer: A

NEW QUESTION 2

- (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 3

- (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 4

- (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 5

- (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 6

- (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 7

- (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 8

- (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 9

- (Exam Topic 3)

You need to design a strategy for securing the SharePoint Online and Exchange Online data. The solution must meet the application security requirements. Which two services should you leverage in the strategy? Each correct answer presents part of the solution. NOTE; Each correct selection is worth one point.

- A. Azure AD Conditional Access
- B. Microsoft Defender for Cloud Apps
- C. Microsoft Defender for Cloud
- D. Microsoft Defender for Endpoint
- E. access reviews in Azure AD

Answer: BE

NEW QUESTION 10

- (Exam Topic 3)

You are designing the security standards for containerized applications onboarded to Azure. You are evaluating the use of Microsoft Defender for Containers. In which two environments can you use Defender for Containers to scan for known vulnerabilities? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Linux containers deployed to Azure Container Registry
- B. Linux containers deployed to Azure Kubernetes Service (AKS)
- C. Windows containers deployed to Azure Container Registry
- D. Windows containers deployed to Azure Kubernetes Service (AKS)
- E. Linux containers deployed to Azure Container Instances

Answer: DE

NEW QUESTION 10

- (Exam Topic 3)

You have a Microsoft 365 E5 subscription and an Azure subscription. You are designing a Microsoft Sentinel deployment. You need to recommend a solution for the security operations team. The solution must include custom views and a dashboard for analyzing security events. What should you recommend using in Microsoft Sentinel?

- A. playbooks
- B. workbooks
- C. notebooks
- D. threat intelligence

Answer: C

NEW QUESTION 13

- (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 15

- (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 17

- (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 18

- (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 21

- (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 25

- (Exam Topic 3)

Your company has a Microsoft 365 E5 subscription.

The company plans to deploy 45 mobile self-service kiosks that will run Windows 10. You need to provide recommendations to secure the kiosks. The solution must meet the following requirements:

- Ensure that only authorized applications can run on the kiosks.
- Regularly harden the kiosks against new threats.

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

- A. Onboard the kiosks to Azure Monitor.
- B. Implement Privileged Access Workstation (PAW) for the kiosks.
- C. Implement Automated Investigation and Remediation (AIR) in Microsoft Defender for Endpoint.
- D. Implement threat and vulnerability management in Microsoft Defender for Endpoint.
- E. Onboard the kiosks to Microsoft Intune and Microsoft Defender for Endpoint.

Answer: AB

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 30

- (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 31

- (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 35

- (Exam Topic 3)

Your company is migrating data to Azure. The data contains Personally Identifiable Information (PII). The company plans to use Microsoft Information Protection for the PII data store in Azure. You need to recommend a solution to discover PII data at risk in the Azure resources. 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 40

- (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 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 Factor
- C. a Microsoft Sentinel workbook
- D. a Microsoft Sentinel data connector

Answer: C

NEW QUESTION 43

- (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 45

- (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 49

- (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 50 virtual machines. Each virtual machine runs different applications on Windows Server 2019.

You need to recommend a solution to ensure that only authorized applications can run on the virtual machines. If an unauthorized application attempts to run or be installed, the application must be blocked automatically until an administrator authorizes the application.

Which security control should you recommend?

- A. Azure Active Directory (Azure AD) Conditional Access App Control policies
- B. OAuth app policies in Microsoft Defender for Cloud Apps
- C. app protection policies in Microsoft Endpoint Manager
- D. application control policies in Microsoft Defender for Endpoint

Answer: A

NEW QUESTION 54

- (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 59

- (Exam Topic 3)

Your company is developing a serverless application in Azure that will have the architecture shown in the following exhibit.

You need to recommend a solution to isolate the compute components on an Azure virtual network. What should you include in the recommendation?

- A. Azure Active Directory (Azure AD) enterprise applications
- B. an Azure App Service Environment (ASE)
- C. Azure service endpoints
- D. an Azure Active Directory (Azure AD) application proxy

Answer: B

NEW QUESTION 61

- (Exam Topic 3)

You are designing an auditing solution for Azure landing zones that will contain the following components:

- SQL audit logs for Azure SQL databases
- Windows Security logs from Azure virtual machines
- Azure App Service audit logs from App Service web apps

You need to recommend a centralized logging solution for the landing zones. The solution must meet the following requirements:

- Log all privileged access.
- Retain logs for at least 365 days.
- Minimize costs.

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 66

- (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 67

- (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 69

- (Exam Topic 3)

You need to recommend a strategy for routing internet-bound traffic from the landing zones. The solution must meet the landing zone requirements.

What should you recommend as part of the landing zone deployment?

- A. service chaining
B. local network gateways
C. forced tunneling
D. a VNet-to-VNet connection

Answer: A

NEW QUESTION 72

- (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 76

- (Exam Topic 3)

You have an Azure subscription that contains several storage accounts. The storage accounts are accessed by legacy applications that are authenticated by using access keys.

You need to recommend a solution to prevent new applications from obtaining the access keys of the storage accounts. The solution must minimize the impact on the legacy applications.

What should you include in the recommendation?

- A. Apply read-only locks on the storage accounts.
- B. Set the AllowShareKeyAccess property to false.
- C. Set the AllowBlobPublicAccess property to false.
- D. Configure automated key rotation.

Answer: A

NEW QUESTION 80

- (Exam Topic 3)

Your company has Microsoft 365 E5 licenses and Azure subscriptions.

The company plans to automatically label sensitive data stored in the following locations:

- Microsoft SharePoint Online
- Microsoft Exchange Online
- Microsoft Teams

You need to recommend a strategy to identify and protect sensitive data.

Which scope should you recommend for the sensitivity label policies? To answer, drag the appropriate scopes to the correct locations. Each scope may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 82

- (Exam Topic 3)

You have a Microsoft 365 E5 subscription.

You are designing a solution to protect confidential data in Microsoft SharePoint Online sites that contain more than one million documents.

You need to recommend a solution to prevent Personally Identifiable Information (PII) from being shared.

Which two components should you include in the recommendation? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. data loss prevention (DLP) policies
- B. sensitivity label policies
- C. retention label policies
- D. eDiscovery cases

Answer: AD

NEW QUESTION 83

- (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 86

- (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 90

- (Exam Topic 3)

Your on-premises network contains an e-commerce web app that was developed in Angular and Node.js. 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 implementing Azure Front Door with Azure Web Application Firewall (WAF). Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 95

- (Exam Topic 3)

Your company finalizes the adoption of Azure and is implementing Microsoft Defender for Cloud. You receive the following recommendations in Defender for Cloud

- Access to storage accounts with firewall and virtual network configurations should be restricted,
- Storage accounts should restrict network access using virtual network rules.
- Storage account should use a private link connection.
- Storage account public access should be disallowed.

You need to recommend a service to mitigate identified risks that relate to the recommendations. What should you recommend?

- A. Azure Storage Analytics
- B. Azure Network Watcher
- C. Microsoft Sentinel
- D. Azure Policy

Answer: A

NEW QUESTION 98

- (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 99

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