Microsoft

Exam Questions SC-100

Microsoft Cybersecurity Architect

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 3
- (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 4
- (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 5
- (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 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 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 10
- (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 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 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 20
- (Exam Topic 3)
Your company develops several applications that are accessed as custom enterprise applications in Azure Active Directory (Azure AD). You need to recommend a solution to prevent users on a specific list of countries from connecting to the applications. What should you include in the recommendation?

A. activity policies in Microsoft Defender for Cloud Apps
B. sign-in risk policies in Azure AD Identity Protection
C. device compliance policies in Microsoft Endpoint Manager
D. Azure AD Conditional Access policies
E. user risk policies in Azure AD Identity Protection

Answer: A

NEW QUESTION 21
- (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 23
- (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 24
- (Exam Topic 3)
A customer has a Microsoft 365 E5 subscription and an Azure subscription.
The customer wants to centrally manage security incidents, analyze log, audit activity, and hunt for potential threats across all deployed services.
You need to recommend a solution for the customer. The solution must minimize costs. What should you include in the recommendation?

A. Microsoft 365 Defender
B. Microsoft Defender for Cloud
C. Microsoft Defender for Cloud Apps
D. Microsoft Sentinel

Answer: D

NEW QUESTION 27
- (Exam Topic 3)
Your company has a hybrid cloud infrastructure.
Data and applications are moved regularly between cloud environments.
The company's on-premises network is managed as shown in the following exhibit.

NOTE Each correct selection is worth one point.

A. Azure VPN Gateway
B. guest configuration in Azure Policy
C. on-premises data gateway
D. Azure Bastion
E. Azure Arc

Answer: CE

NEW QUESTION 28
- (Exam Topic 3)
A customer is deploying Docker images to 10 Azure Kubernetes Service (AKS) resources across four Azure subscriptions. You are evaluating the security posture of the customer.
You discover that the AKS resources are excluded from the secure score recommendations. You need to produce accurate recommendations and update the secure score.
Which two actions should you recommend in Microsoft Defender for Cloud? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Configure auto provisioning.
B. Assign regulatory compliance policies.
C. Review the inventory.
D. Add a workflow automation.
E. Enable Defender plans.

Answer: BD

NEW QUESTION 32
- (Exam Topic 3)
You have a customer that has a Microsoft 365 subscription and uses the Free edition of Azure Active Directory (Azure AD)
The customer plans to obtain an Azure subscription and provision several Azure resources. You need to evaluate the customer's security environment.
What will necessitate an upgrade from the Azure AD Free edition to the Premium edition?

A. role-based authorization
B. Azure AD Privileged Identity Management (PIM)
C. resource-based authorization
D. Azure AD Multi-Factor Authentication

Answer: A

NEW QUESTION 33
- (Exam Topic 3)
You have a Microsoft 365 E5 subscription and an Azure subscripts 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 38
- (Exam Topic 3)
Your company has a Microsoft 365 E5 subscription, an Azure subscription, on-premises applications, and Active Directory Domain Services (AD DSV 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 43
- (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 48
- (Exam Topic 3)
A customer follows the Zero Trust model and explicitly verifies each attempt to access its corporate applications.
The customer discovers that several endpoints are infected with malware. The customer suspends access attempts from the infected endpoints.
The malware is removed from the end point.
Which two conditions must be met before endpoint users can access the corporate applications again? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Microsoft Defender for Endpoint reports the endpoints as compliant.
B. Microsoft Intune reports the endpoints as compliant.
C. A new Azure Active Directory (Azure AD) Conditional Access policy is enforced.
D. The client access tokens are refreshed.

Answer: CD

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)
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 attach 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 57
- (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 60
- (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 64
- (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 68
- (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 onboarding all virtual machines to Microsoft Defender for Endpoint. Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 70
- (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 75
- (Exam Topic 3)
Azure subscription that uses Azure Storage.
The company plans to share specific blobs with vendors. You need to recommend a solution to provide the vendors with secure access to specific blobs without exposing the blobs publicly. The access must be
t\me-Vim\ted. What should you include in the recommendation?

A. Create shared access signatures (SAS).
B. Share the connection string of the access key.
C. Configure private link connections.
D. Configure encryption by using customer-managed keys (CMKs)

Answer: D

NEW QUESTION 80
- (Exam Topic 3)
You have an Azure subscription that has Microsoft Defender for Cloud enabled. Suspicious authentication activity alerts have been appearing in the Workload protections dashboard.
You need to recommend a solution to evaluate and remediate the alerts by using workflow automation. The solution must minimize development effort. What should you include in the recommendation?

A. Azure Monitor webhooks
B. Azure Logics Apps
C. Azure Event Hubs
D. Azure Functions apps

Answer: D

NEW QUESTION 84
- (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 87
- (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 92
- (Exam Topic 3)
You have an Azure subscription that has Microsoft Defender for Cloud enabled. You have an Amazon Web Services (AWS) implementation.
You plan to extend the Azure security strategy to the AWS implementation. The solution will NOT use Azure Arc. Which three services can you use to provide security for the AWS resources? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Azure Active Directory (Azure AD) Privileged Identity Management (PIM)
B. Azure Active Directory (Azure AD) Conditional Access
C. Microsoft Defender for servers
D. Azure Policy
E. Microsoft Defender for Containers

Answer: BE

NEW QUESTION 95
- (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 100
- (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 101
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