

Microsoft

Exam Questions SC-100

Microsoft Cybersecurity Architect



NEW QUESTION 1

- (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: D

Explanation:

The security requirement this question wants us to meet is "The secure host must be provisioned from a custom operating system image."

<https://docs.microsoft.com/en-us/azure/virtual-desktop/set-up-golden-image>

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? (Choose Two)

- 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: AD

Explanation:

<https://docs.microsoft.com/en-us/microsoft-365/security/defender-endpoint/switch-to-mde-phase-3?view=o365->

NEW QUESTION 3

- (Exam Topic 2)

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

Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/concept-conditional-access-session#c> <https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-integrate-with-microsoft-cl>

NEW QUESTION 4

- (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

Explanation:

One of the stipulations is to meet the business requirements of minimizing costs. ExpressRoute is expensive. Given the landing zone requirements of

- 1) "Use a DNS namespace of litware.com"
- 2) "Ensure that the Azure virtual machines in each landing zone communicate with Azure App Service web apps in the same zone over the Microsoft backbone network, rather than over public endpoints"

NEW QUESTION 5

- (Exam Topic 2)

You need to recommend an identity security solution for the Azure AD tenant of Litware. The solution must meet the identity 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.

Answer Area

For the delegated management of users and groups, use:

- AD DS organizational units
- Azure AD administrative units
- Custom Azure AD roles

To ensure that you can perform leaked credential detection:

- Enable password hash synchronization in the Azure AD Connect deployment
- Enable Security defaults in the Azure AD tenant of Litware
- Replace pass-through authentication with Active Directory Federation Services

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

For the delegated management of users and groups, use:

- AD DS organizational units
- Azure AD administrative units
- Custom Azure AD roles

To ensure that you can perform leaked credential detection:

- Enable password hash synchronization in the Azure AD Connect deployment
- Enable Security defaults in the Azure AD tenant of Litware
- Replace pass-through authentication with Active Directory Federation Services

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.

Answer Area

For connectivity from App Service web apps to virtual machines, use:

- Private endpoints
- Service endpoints
- Virtual network integration

For connectivity from virtual machines to App Service web apps, use:

- Private endpoints
- Service endpoints
- Virtual network integration

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Virtual Network Integration - correct

Virtual network integration gives your app access to resources in your virtual network, but it doesn't grant inbound private access to your app from the virtual network.

Box 2: Private Endpoints. - correct

You can use Private Endpoint for your Azure Web App to allow clients located in your private network to securely access the app over Private Link.

NEW QUESTION 7

- (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.

Answer Area

Evaluate regulatory compliance of cloud resources by assigning:

- Azure Policy definitions to management groups
- Azure Policy initiatives to management groups
- Azure Policy initiatives to subscriptions

Evaluate regulatory compliance of on-premises resources by using:

- Azure Arc
- Group Policy
- PowerShell Desired State Configuration (DSC)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Evaluate regulatory compliance of cloud resources by assigning:

- Azure Policy definitions to management groups
- Azure Policy initiatives to management groups
- Azure Policy initiatives to subscriptions

Evaluate regulatory compliance of on-premises resources by using:

- Azure Arc
- Group Policy
- PowerShell Desired State Configuration (DSC)

NEW QUESTION 8

- (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 time-limited. What should you include in the recommendation?

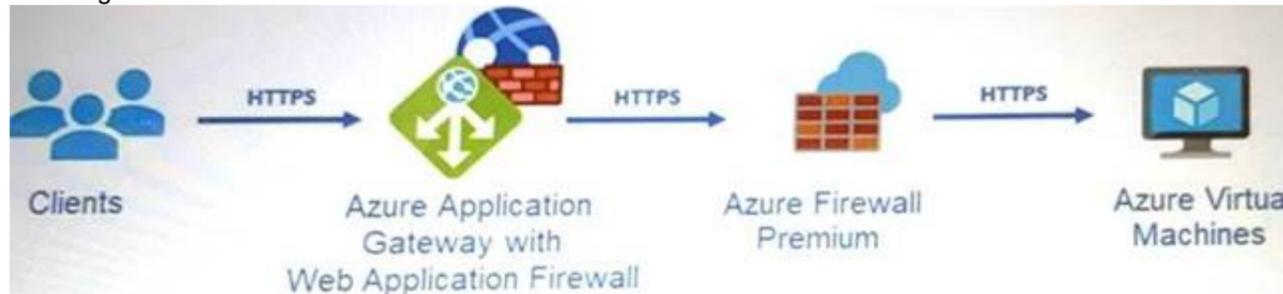
- A. Create shared access signatures (SAS).
- B. Share the connection string of the access key.
- C. Configure private link connections.
- D. Configure encryption by using customer-managed keys (CMKs)

Answer: D

NEW QUESTION 9

- (Exam Topic 3)

Your company uses Microsoft Defender for Cloud and Microsoft Sentinel. The company is designing an application that will have the architecture shown in the following exhibit.



You are designing a logging and auditing solution for the proposed architecture. The solution must meet the following requirements-

- Integrate Azure Web Application Firewall (WAF) logs with Microsoft Sentinel.
- Use Defender for Cloud to review alerts from the virtual machines.

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

Answer Area

For WAF:

- The Azure Diagnostics extension
- Azure Network Watcher
- Data connectors
- Workflow automation

For the virtual machines:

- The Azure Diagnostics extension
- Azure Storage Analytics
- Data connectors
- The Log Analytics agent
- Workflow automation

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface Description automatically generated

NEW QUESTION 10

- (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: BD

Explanation:

<https://docs.microsoft.com/en-us/azure/sentinel/understand-threat-intelligence> <https://docs.microsoft.com/en-us/azure/defender-for-cloud/defender-for-cloud-introduction> <https://docs.microsoft.com/en-us/azure/defender-for-cloud/threat-intelligence-reports> <https://docs.microsoft.com/en-us/azure/sentinel/notebooks>

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

Explanation:

JIT:

<https://docs.microsoft.com/en-us/security/benchmark/azure/security-controls-v3-privileged-access#pa-2-avoid-s>

Adaptive Network Hardening:

<https://docs.microsoft.com/en-us/security/benchmark/azure/security-controls-v3-network-security#ns-7-simplify>

NEW QUESTION 11

- (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: C

Explanation:

<https://www.microsoft.com/en-us/securityengineering/sdl/threatmodeling>

NEW QUESTION 12

- (Exam Topic 3)

Your company has an on-premises network and an Azure subscription.

The company does NOT have a Site-to-Site VPN or an ExpressRoute connection to Azure.

You are designing the security standards for Azure App Service web apps. The web apps will access Microsoft SQL Server databases on the network.

You need to recommend security standards that will allow the web apps to access the databases. The solution must minimize the number of open internet-accessible endpoints to the on-premises network.

What should you include in the recommendation?

- A. a private endpoint
- B. hybrid connections
- C. virtual network NAT gateway integration
- D. virtual network integration

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-hybrid-connections>

NEW QUESTION 15

- (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: DE

Explanation:

<https://docs.microsoft.com/en-us/microsoft-365/security/defender-vulnerability-management/defender-vulnerab>

NEW QUESTION 19

- (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 lockout in Azure AD B2C

Answer: AE

Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory-b2c/threat-management>

<https://docs.microsoft.com/en-us/azure/active-directory-b2c/conditional-access-user-flow?pivots=b2c-user-flow>

NEW QUESTION 24

- (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

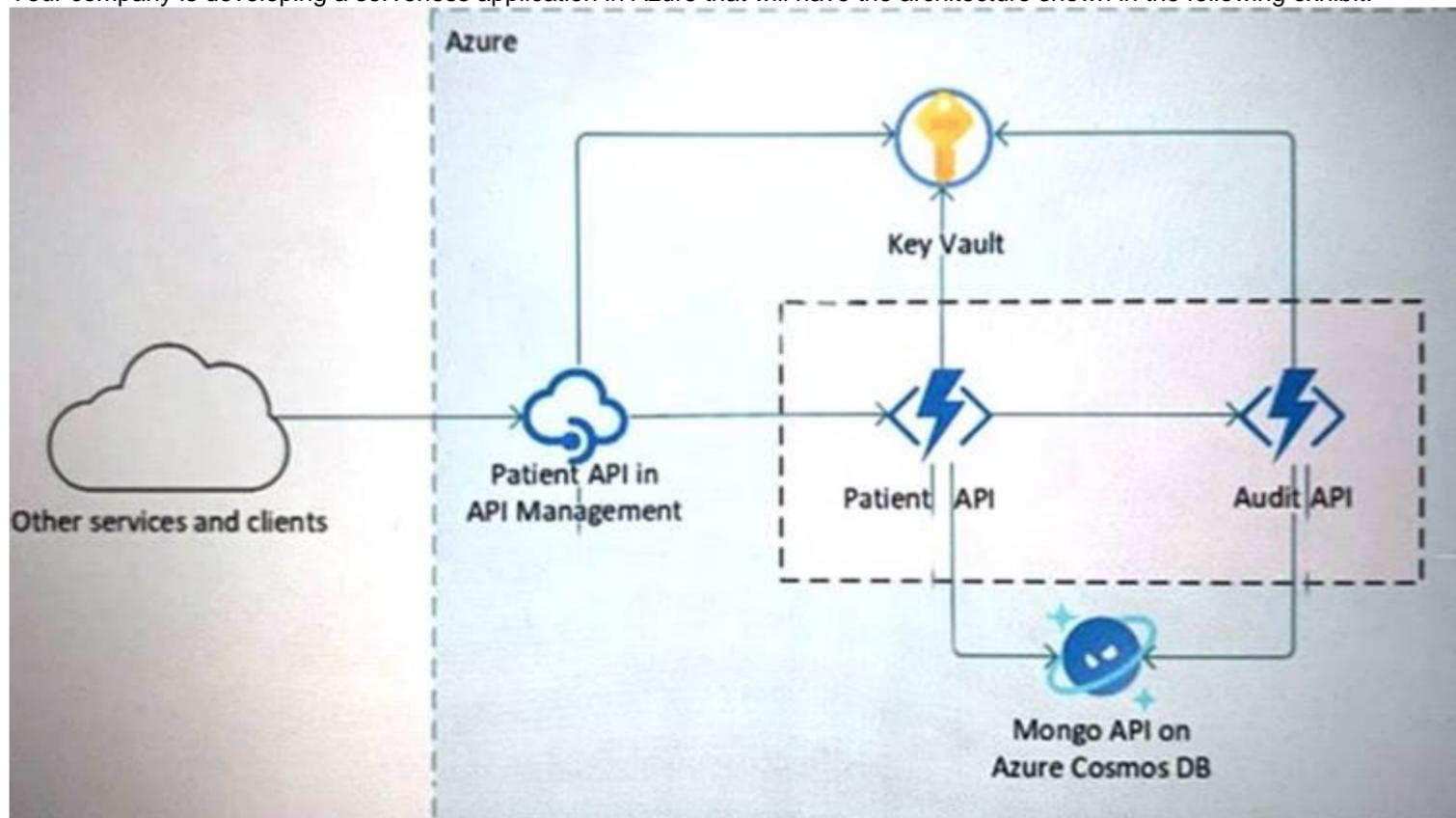
Explanation:

<https://docs.microsoft.com/en-us/learn/modules/configure-vnet-peering/5-determine-service-chaining-uses>

NEW QUESTION 28

- (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

Explanation:

App Service environments (ASEs) are appropriate for application workloads that require:

Very high scale, Isolation and secure network access, High memory utilization. This capability can host your: Windows web apps, Linux web apps

Docker containers, Mobile apps Functions
<https://docs.microsoft.com/en-us/azure/app-service/environment/overview>

NEW QUESTION 32

- (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: D

Explanation:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/information-protection> <https://docs.microsoft.com/en-us/microsoft-365/compliance/ediscovery?view=o365-worldwide>

NEW QUESTION 33

- (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 35

- (Exam Topic 3)

You are designing the encryption standards for data at rest for an Azure resource

You need to provide recommendations to ensure that the data at rest is encrypted by using AES-256 keys. The solution must support rotating the encryption keys monthly.

Solution: For blob containers in Azure Storage, you recommend encryption that uses customer-managed keys (CMKs).

Does this meet the goal?

- A. Yes
- B. No

Answer: A

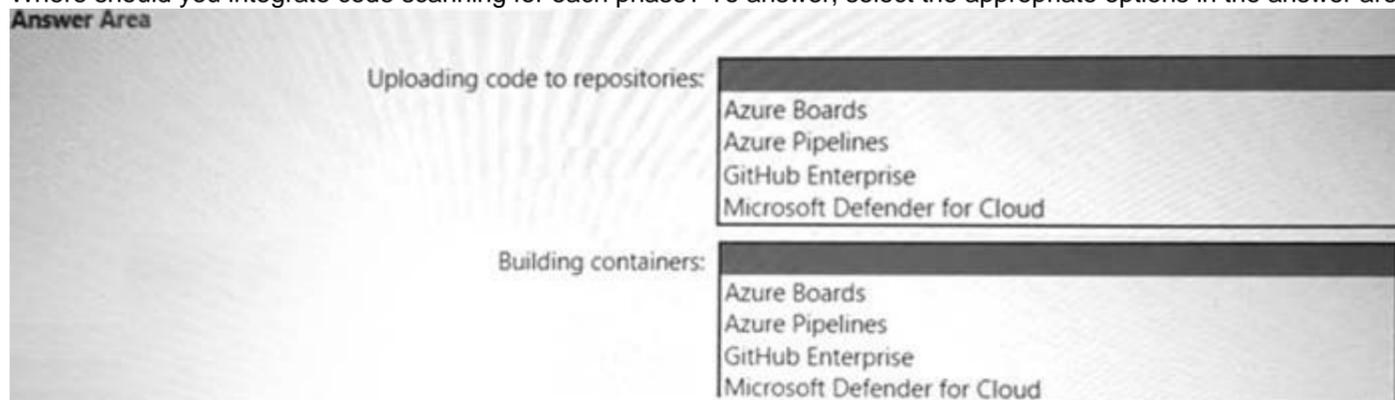
NEW QUESTION 40

- (Exam Topic 3)

Your company has an Azure App Service plan that is used to deploy containerized web apps. You are designing a secure DevOps strategy for deploying the web apps to the App Service plan. You need to recommend a strategy to integrate code scanning tools into a secure software development lifecycle. The code must be scanned during the following two phases:

Uploading the code to repositories Building containers

Where should you integrate code scanning for each phase? To answer, select the appropriate options in the answer area.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://docs.github.com/en/enterprise-cloud@latest/get-started/learning-about-github/about-github-advanced-sec> <https://microsoft.github.io/code-with-engineering-playbook/automated-testing/tech-specific-samples/azdo-conta>

NEW QUESTION 43

- (Exam Topic 3)

You are designing the encryption standards for data at rest for an Azure resource

You need to provide recommendations to ensure that the data at rest is encrypted by using AES-256 keys. The solution must support rotating the encryption keys monthly.

Solution: For Azure SQL databases, you recommend Transparent Data Encryption (TDE) that uses customer-managed keys (CMKs).

Does this meet the goal?

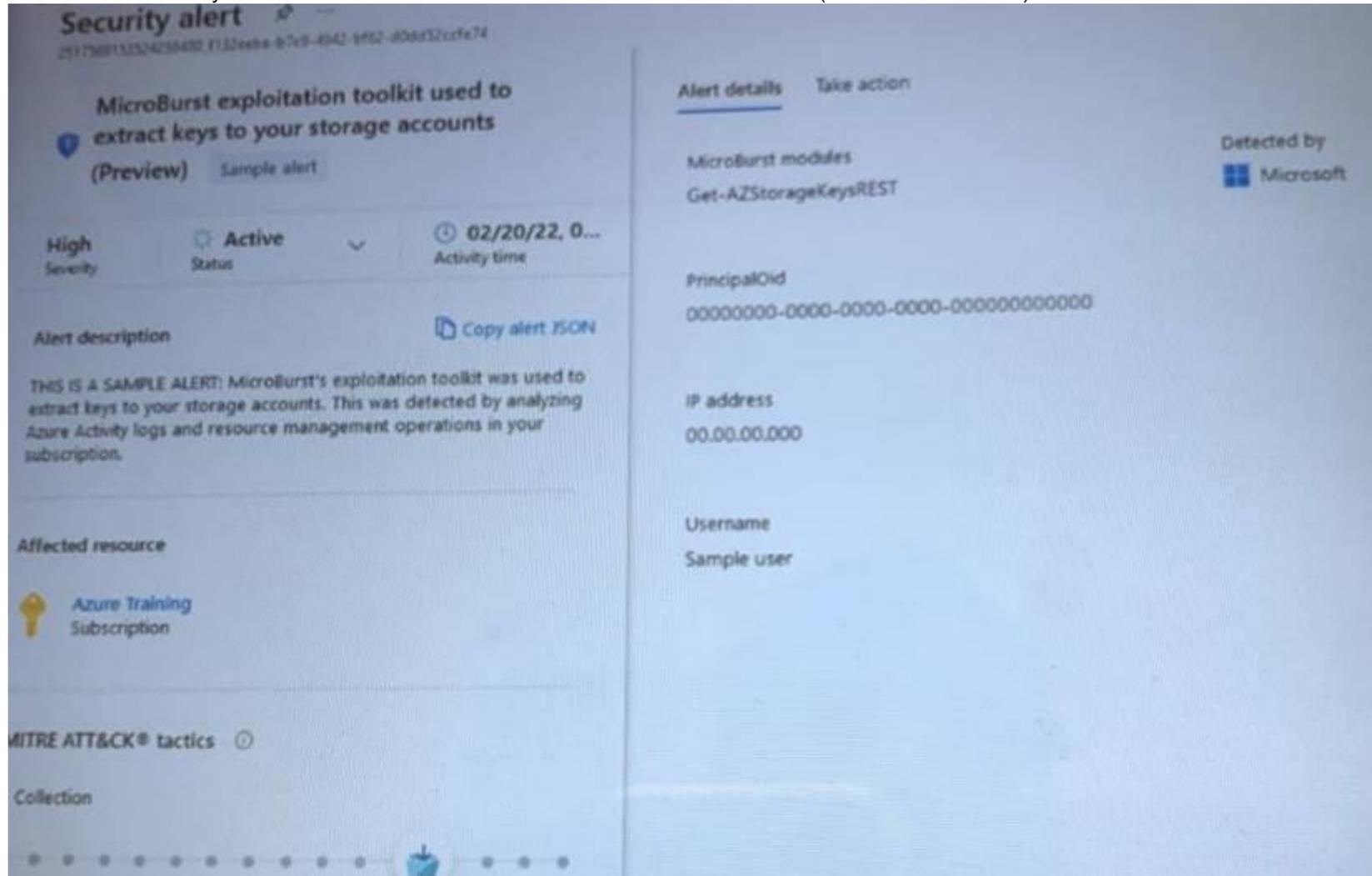
- A. Yes
- B. No

Answer: A

NEW QUESTION 48

- (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

Explanation:

<https://docs.microsoft.com/en-us/azure/storage/blobs/anonymous-read-access-prevent>

NEW QUESTION 50

- (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.

Home > Microsoft Defender for Cloud

Microsoft Defender for Cloud

Showing subscription 'Subscription1'

Download report Manage compliance policies Open query Audit reports

You can now fully customize the standards you track in the dashboard. Update your dashboard by selecting 'Manage compliance policies' above.

Azure Security Benchmark V3 ISO 27001 PCI DSS 3.2.1 SOC TSP HIPAA HITRUST

Under each applicable compliance control is the set of assessments run by Defender for Cloud that are associated with that control. If they are all green, it means those assessments are currently passing; this does not ensure you are fully compliant with that control. Furthermore, not all controls for any particular regulation are covered by Defender for Cloud assessments, and therefore this report is only a partial view of your overall compliance status.

Azure Security Benchmark is applied to the subscription Subscription1

Expand all compliance controls

- NS. Network Security
- IM. Identity Management
- PA. Privileged Access
- DP. Data Protection
- AM. Asset Management
- LT. Logging and Threat Detection
- IR. Incident Response
- PV. Posture and Vulnerability Management
- ES. Endpoint Security
- BR. Backup and Recovery
- DS. DevOps Security

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

Explanation:

<https://docs.microsoft.com/en-us/security/benchmark/azure/security-controls-v3-endpoint-security>

NEW QUESTION 52

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

Answer: AF

Explanation:

<https://docs.microsoft.com/en-us/azure/governance/management-groups/overview> <https://docs.microsoft.com/en-us/azure/governance/blueprints/overview>
<https://docs.microsoft.com/en-us/azure/governance/policy/samples/iso-27001> <https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage>

NEW QUESTION 57

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