

Microsoft

Exam Questions SC-100

Microsoft Cybersecurity Architect



NEW QUESTION 1

- (Exam Topic 3)

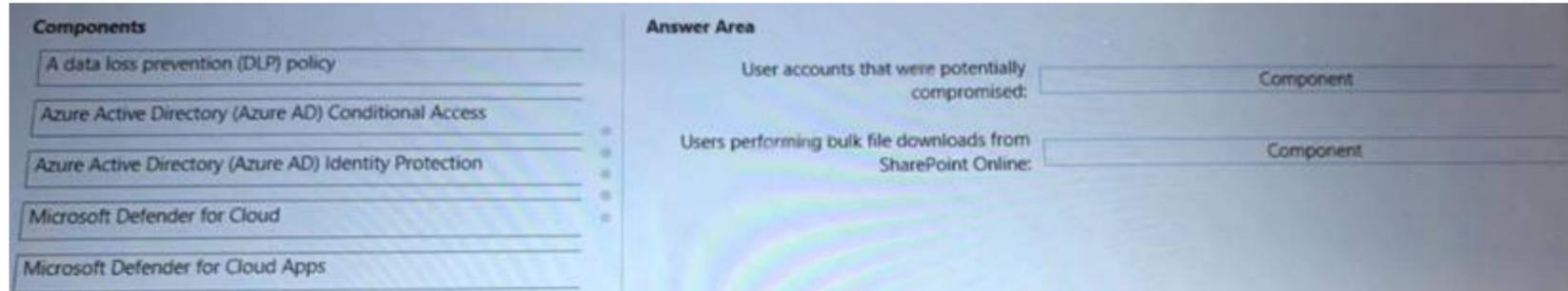
You have a Microsoft 365 subscription

You need to recommend a security solution to monitor the following activities:

- User accounts that were potentially compromised
- Users performing bulk file downloads from Microsoft SharePoint Online

What should you include in the recommendation for each activity? To answer, drag the appropriate components to the correct activities. Each component 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:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/concept-identity-protection-risks> <https://docs.microsoft.com/en-us/defender-cloud-apps/policies-threat-protection#detect-mass-download-data-exf> <https://docs.microsoft.com/en-us/microsoft-365/security/defender/investigate-users>

NEW QUESTION 2

- (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: B

Explanation:

<https://docs.microsoft.com/en-us/azure/defender-for-cloud/secure-score-security-controls>

NEW QUESTION 3

- (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: A

Explanation:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-ip-restrictions#restrict-access-to-a-specific-azure>

NEW QUESTION 4

- (Exam Topic 3)

Your company has the virtual machine infrastructure shown in the following table.

Operation system	Location	Number of virtual machines	Hypervisor
Linux	On-premises	100	VMWare vSphere
Windows Server	On-premises	100	Hyper-V

The company plans to use Microsoft Azure Backup Server (MABS) to back up the virtual machines to Azure. You need to provide recommendations to increase the resiliency of the backup strategy to mitigate attacks such as ransomware.

What should you include in the recommendation?

- A. Use geo-redundant storage (GRS).
- B. Use customer-managed keys (CMKs) for encryption.
- C. Require PINs to disable backups.

D. Implement Azure Site Recovery replication.

Answer: C

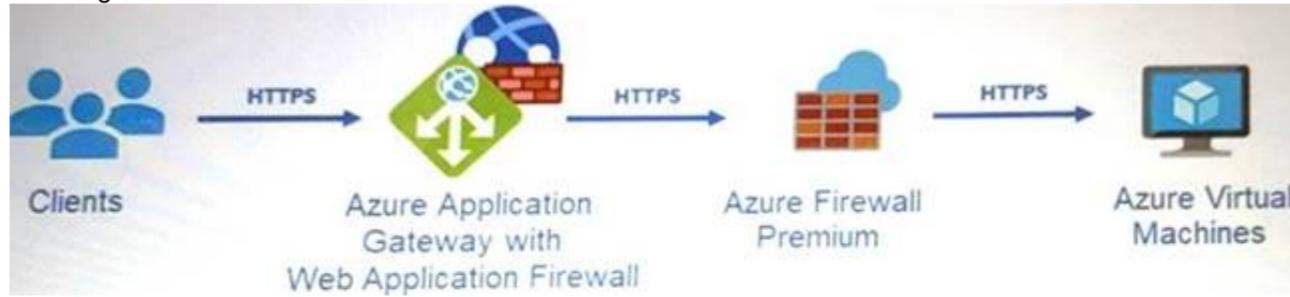
Explanation:

<https://docs.microsoft.com/en-us/azure/security/fundamentals/backup-plan-to-protect-against-ransomware#azure>

NEW QUESTION 5

- (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:	<input type="checkbox"/> The Azure Diagnostics extension <input type="checkbox"/> Azure Network Watcher <input type="checkbox"/> Data connectors <input type="checkbox"/> Workflow automation
For the virtual machines:	<input type="checkbox"/> The Azure Diagnostics extension <input type="checkbox"/> Azure Storage Analytics <input type="checkbox"/> Data connectors <input type="checkbox"/> The Log Analytics agent <input type="checkbox"/> Workflow automation

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface Description automatically generated

NEW QUESTION 6

- (Exam Topic 3)

Your company wants to optimize ransomware incident investigations.

You need to recommend a plan to investigate ransomware incidents based on the Microsoft Detection and Response Team (DART) approach.

Which three actions should you recommend performing in sequence in the plan? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions <input type="checkbox"/> Implement a comprehensive strategy to reduce the risk of privileged access compromise. <input type="checkbox"/> Update organizational processes to manage major ransomware events and streamline outsourcing to avoid friction. <input type="checkbox"/> Assess the current situation and identify the scope. <input type="checkbox"/> Identify which line-of-business (LOB) apps are unavailable due to a ransomware incident. <input type="checkbox"/> Identify the compromise recovery process.	Answer Area <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions <input type="checkbox"/> Implement a comprehensive strategy to reduce the risk of privileged access compromise. <input type="checkbox"/> Update organizational processes to manage major ransomware events and streamline outsourcing to avoid friction.	Answer Area <input type="checkbox"/> 1 Assess the current situation and identify the scope. <input type="checkbox"/> 2 Identify which line-of-business (LOB) apps are unavailable due to a ransomware incident. <input type="checkbox"/> 3 Identify the compromise recovery process.
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NEW QUESTION 7

- (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: BDE

Explanation:

<https://docs.microsoft.com/en-us/azure/defender-for-cloud/supported-machines-endpoint-solutions-clouds-conta>

NEW QUESTION 8

- (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: B

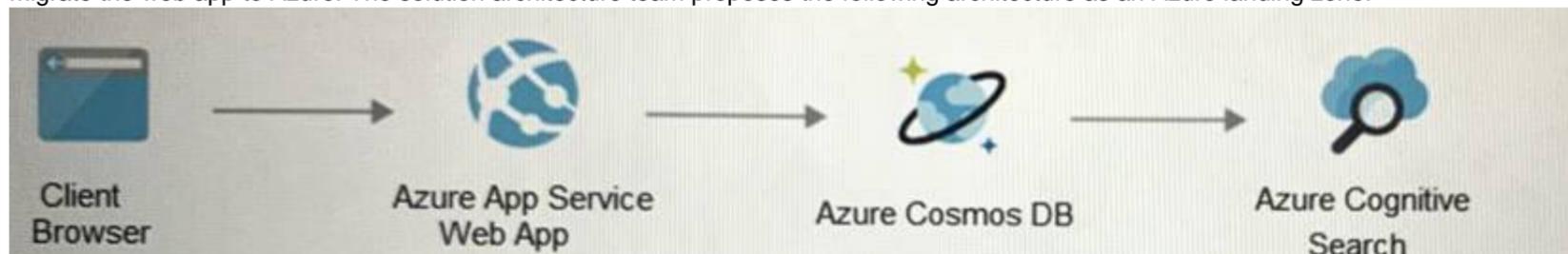
Explanation:

The workflow automation feature of Microsoft Defender for Cloud feature can trigger Logic Apps on security alerts, recommendations, and changes to regulatory compliance. Note: Azure Logic Apps is a cloud-based platform for creating and running automated workflows that integrate your apps, data, services, and systems. With this platform, you can quickly develop highly scalable integration solutions for your enterprise and business-to-business (B2B) scenarios.

NEW QUESTION 9

- (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: B

Explanation:

<https://www.varonis.com/blog/securing-access-azure-webapps>

NEW QUESTION 10

- (Exam Topic 3)

Your company plans to follow DevSecOps best practices of the Microsoft Cloud Adoption Framework for Azure.

You need to perform threat modeling by using a top-down approach based on the Microsoft Cloud Adoption Framework for Azure.

What should you use to start the threat modeling process?

- A. the STRIDE model
- B. the DREAD model
- C. OWASP threat modeling

Answer: C

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 12

- (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: AE

Explanation:

<https://docs.microsoft.com/en-us/azure/defender-for-cloud/update-regulatory-compliance-packages> <https://docs.microsoft.com/en-us/azure/defender-for-cloud/workflow-automation>

NEW QUESTION 17

- (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: C

Explanation:

<https://docs.microsoft.com/en-us/security/compass/security-rapid-modernization-plan> This rapid modernization plan (RAMP) will help you quickly adopt Microsoft's recommended privileged access strategy.

NEW QUESTION 20

- (Exam Topic 3)

You are designing the security architecture for a cloud-only environment.

You are reviewing the integration point between Microsoft 365 Defender and other Microsoft cloud services based on Microsoft Cybersecurity Reference Architectures (MCRA).

You need to recommend which Microsoft cloud services integrate directly with Microsoft 365 Defender and meet the following requirements:

- Enforce data loss prevention (DLP) policies that can be managed directly from the Microsoft 365 Defender portal.
- Detect and respond to security threats based on User and Entity Behavior Analytics (UEBA) with unified alerting.

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

Answer Area

DLP: Microsoft Purview
 Azure Data Catalog
 Azure Data Explorer
 Microsoft Purview

UEBA: Azure AD Identity Protection
 Azure AD Identity Protection
 Microsoft Defender for Identity
 Microsoft Entra Verified ID

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 22

- (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 23

- (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: B

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/visualize/workbooks-overview>

NEW QUESTION 27

- (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: BC

NEW QUESTION 30

- (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: AB

Explanation:

Data loss prevention in Office 365. Data loss prevention (DLP) helps you protect sensitive information and prevent its inadvertent disclosure. Examples of sensitive information that you might want to prevent from leaking outside your organization include financial data or personally identifiable information (PII) such as credit card numbers, social security numbers, or health records. With a data loss prevention (DLP) policy, you can identify, monitor, and automatically protect sensitive information across Office 365.

Sensitivity labels from Microsoft Purview Information Protection let you classify and protect your organization's data without hindering the productivity of users and their ability to collaborate. Plan for integration into a broader information protection scheme. On top of coexistence with OME, sensitivity labels can be used alongside capabilities like Microsoft Purview Data Loss Prevention (DLP) and Microsoft Defender for Cloud Apps.

<https://motionwave.com.au/keeping-your-confidential-data-secure-with-microsoft-office-365/> <https://docs.microsoft.com/en-us/microsoft-365/solutions/information-protection-deploy-protect-information?vie>

NEW QUESTION 34

- (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 38

- (Exam Topic 3)

You are designing security for a runbook in an Azure Automation account. The runbook will copy data to Azure Data Lake Storage Gen2.

You need to recommend a solution to secure the components of the copy process.

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

Data security:

Access keys stored in Azure Key Vault
Automation Contributor built-in role
Azure Private Link with network service tags
Azure Web Application Firewall rules with network service tags

Network access control:

Access keys stored in Azure Key Vault
Automation Contributor built-in role
Azure Private Link with network service tags
Azure Web Application Firewall rules with network service tags

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Data Security = Access Keys stored in Azure Key Vault

Network access control = Azure Private Link with network service tags

<https://docs.microsoft.com/en-us/azure/automation/automation-security-guidelines#data-security>

NEW QUESTION 40

- (Exam Topic 3)

You have a multi-cloud environment that contains an Azure subscription and an Amazon Web Services (AWS) account.

You need to implement security services in Azure to manage the resources in both subscriptions. The solution must meet the following requirements:

- Automatically identify threats found in AWS CloudTrail events.
- Enforce security settings on AWS virtual machines by using Azure policies.

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

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
 Answer Area



NEW QUESTION 45

- (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.

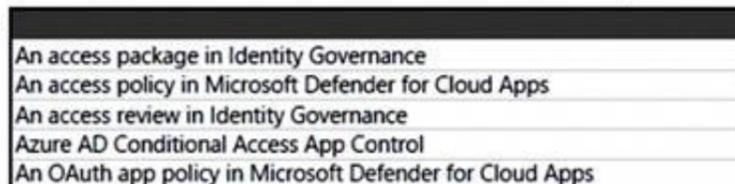
What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

To enable Azure AD authentication for App1, use:



To implement access requests for App1, use:



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1 is the Azure AD Application

<https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-register-app>

Box 2 is Access Package in Identity Governance

<https://docs.microsoft.com/en-us/azure/active-directory/governance/entitlement-management-access-package-cr>

NEW QUESTION 49

- (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, review the secure score recommendations.
- C. From Azure Policy, assign a built-in initiative that has a scope of the subscription.
- D. From Defender for Cloud, enable Defender for Cloud plans.

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/azure/defender-for-cloud/update-regulatory-compliance-packages#what-regula>

NEW QUESTION 54

- (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: AB

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 57

- (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:

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 62

- (Exam Topic 1)

You need to recommend a solution to scan the application code. The solution must meet the application development requirements. What should you include in the recommendation?

- A. Azure Key Vault
- B. GitHub Advanced Security
- C. Application Insights in Azure Monitor
- D. Azure DevTest Labs

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/learn/modules/introduction-github-advanced-security/2-what-is-github-advanc>

NEW QUESTION 67

- (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: D

Explanation:

<https://docs.microsoft.com/en-us/learn/modules/protect-data-transit-rest/4-explain-object-encryption-secure-encl>

NEW QUESTION 71

- (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: B

Explanation:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-ip-restrictions#restrict-access-to-a-specific-azure>

NEW QUESTION 75

- (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 automatically

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: B

Explanation:

<https://azure.microsoft.com/en-us/blog/simplifying-your-environment-setup-while-meeting-compliance-needs-w>

NEW QUESTION 79

- (Exam Topic 3)

You have a Microsoft 365 tenant.

Your company uses a third-party software as a service (SaaS) app named App1 that is integrated with an Azure AD tenant. You need to design a security strategy to meet the following requirements:

- Users must be able to request access to App1 by using a self-service request.
- When users request access to App1, they must be prompted to provide additional information about their request.
- Every three months, managers must verify that the users still require access to App1. What should you include in the design?

- A. Azure AD Application Proxy
- B. connected apps in Microsoft Defender for Cloud Apps
- C. Microsoft Entra Identity Governance
- D. access policies in Microsoft Defender for Cloud Apps

Answer: C

NEW QUESTION 84

- (Exam Topic 3)

Your network contains an on-premises Active Directory Domain Services (AO DS) domain. The domain contains a server that runs Windows Server and hosts shared folders. The domain syncs with Azure AD by using Azure AD Connect. Azure AD Connect has group writeback enabled.

You have a Microsoft 365 subscription that uses Microsoft SharePoint Online.

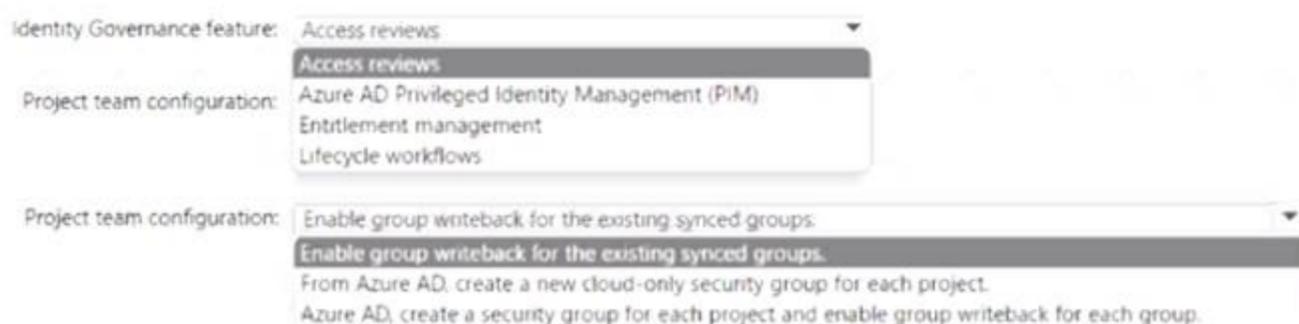
You have multiple project teams. Each team has an AD DS group that syncs with Azure AD. Each group has permissions to a unique SharePoint Online site and a Windows Server shared folder for its project. Users routinely move between project teams.

You need to recommend an Azure AD identity Governance solution that meets the following requirements:

- Project managers must verify that their project group contains only the current members of their project team
- The members of each project team must only have access to the resources of the project to which they are assigned
- Users must be removed from a project group automatically if the project manager has MOT verified the group's membership for 30 days.
- Administrative effort must be minimized.

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.

Answer Area

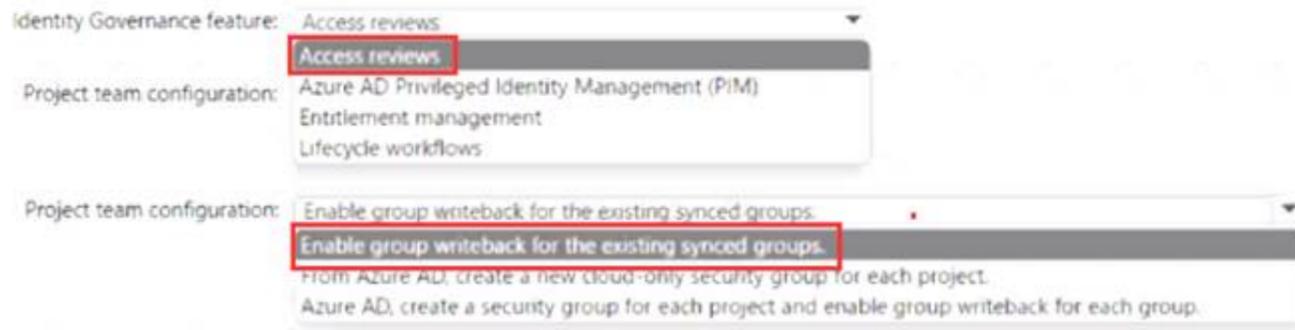


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 87

- (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

Explanation:

<https://www.microsoft.com/security/blog/2022/02/17/4-best-practices-to-implement-a-comprehensive-zero-trust> <https://docs.microsoft.com/en-us/azure/active-directory/develop/refresh-tokens>

NEW QUESTION 92

- (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 Microsoft-managed keys within an encryption scope.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/key-vault/keys/how-to-configure-key-rotation>

NEW QUESTION 95

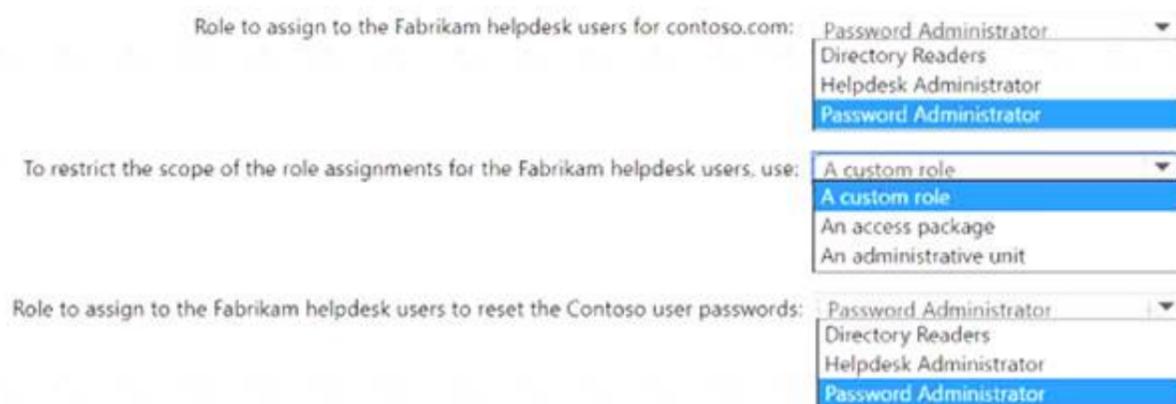
- (Exam Topic 3)

Your company, named Contoso. Ltd... has an Azure AD tenant namedcontoso.com. Contoso has a partner company named Fabrikam. Inc. that has an Azure AD tenant named fabrikam.com. You need to ensure that helpdesk users at Fabrikam can reset passwords for specific users at Contoso. The solution must meet the following requirements:

- Follow the principle of least privilege.
- Minimize administrative effort.

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

Answer Area



- A. Mastered
- B. Not Mastered

Answer:

A

Explanation:

Answer Area



NEW QUESTION 99

- (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: D

NEW QUESTION 100

- (Exam Topic 3)

You design cloud-based software as a service (SaaS) solutions.

You need to recommend ransomware attacks. The solution must follow Microsoft Security Best Practices. What should you recommend doing first?

- A. Implement data protection.
- B. Develop a privileged access strategy.
- C. Prepare a recovery plan.
- D. Develop a privileged identity strategy.

Answer: C

NEW QUESTION 103

- (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.

Windows 11 devices:

Azure virtual machines:

Azure Storage accounts:

- A. Mastered
- B. Not Mastered

Answer: A

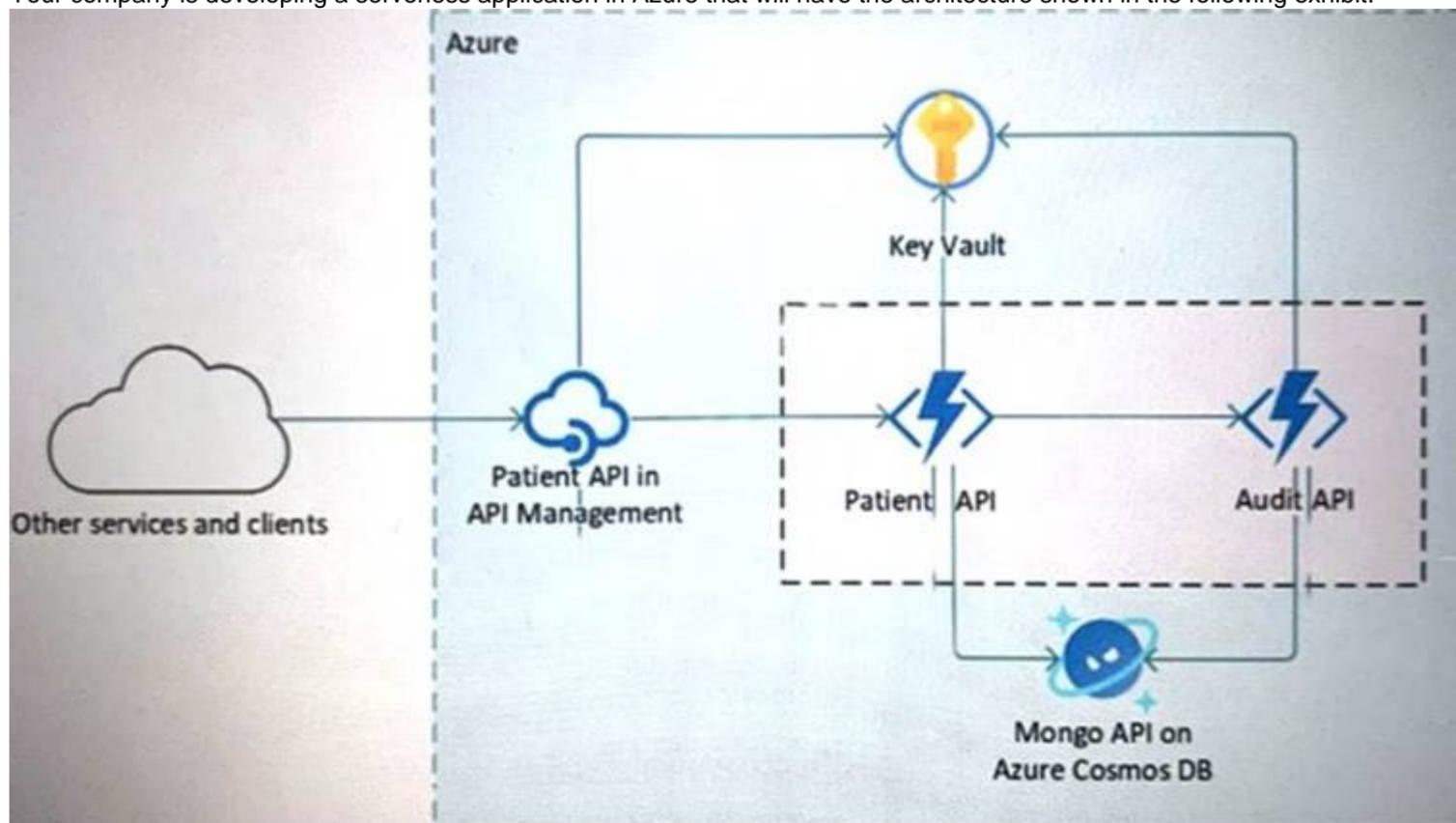
Explanation:

Selection 1: Microsoft 365 Defender (Microsoft Defender for Endpoint is part of it). Selection 2: Microsoft Defender for Cloud.
 Selection 3: Microsoft Defender for Cloud.
<https://docs.microsoft.com/en-us/learn/modules/design-strategy-for-secure-paas-iaas-saas-services/8-specify-sec>

NEW QUESTION 104

- (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 108

- (Exam Topic 3)

You have an on-premises network and a Microsoft 365 subscription. You are designing a Zero Trust security strategy. Which two security controls should you include as part of the Zero Trust solution? Each correct answer part of the solution. NOTE: Each correct answer is worth one point.

- A. Block sign-attempts from unknown location.
- B. Always allow connections from the on-premises network.
- C. Disable passwordless sign-in for sensitive account.
- D. Block sign-in attempts from noncompliant devices.

Answer: AD

NEW QUESTION 113

- (Exam Topic 3)

For of an Azure deployment you are designing a security architecture based on the Microsoft Cloud Security Benchmark. You need to recommend a best practice for implementing service accounts for Azure API management What should you include in the recommendation?

- A. device registrations in Azure AD
- B. application registrations m Azure AD
- C. Azure service principals with certificate credentials
- D. Azure service principals with usernames and passwords
- E. managed identities in Azure

Answer: E

NEW QUESTION 118

- (Exam Topic 3)

You use Azure Pipelines with Azure Repos to implement continuous integration and continuous deployment (CI/CO) workflows. You need to recommend best practices to secure the stages of the CI/CD workflows based on the Microsoft Cloud Adoption Framework for Azure. What should you include in the recommendation for each stage? 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 120

- (Exam Topic 3)

You have an Azure SQL database named DB1 that contains customer information. A team of database administrators has full access to DB1. To address customer inquiries, operators in the customer service department use a custom web app named App1 to view the customer information. You need to design a security strategy for D81. The solution must meet the following requirements:

- When the database administrators access DB1 by using SQL management tools, they must be prevented from viewing the content of the Credit Card attribute of each customer record.
- When the operators view customer records in App1, they must view only the last four digits of the Credit Card attribute.

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

Answer Area

For the database administrators: Always Encrypted
Always Encrypted
 Dynamic data masking
 Row-level security (RLS)
 Transparent Data Encryption (TDE)

For the operators: Row-level security (RLS)
 Always Encrypted
 Dynamic data masking
Row-level security (RLS)
 Transparent Data Encryption (TDE)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Answer Area

For the database administrators: Always Encrypted
Always Encrypted
 Dynamic data masking
 Row-level security (RLS)
 Transparent Data Encryption (TDE)

For the operators: Row-level security (RLS)
 Always Encrypted
 Dynamic data masking
Row-level security (RLS)
 Transparent Data Encryption (TDE)

NEW QUESTION 123

- (Exam Topic 3)

You are designing a security operations strategy based on the Zero Trust framework.

You need to increase the operational efficiency of the Microsoft Security Operations Center (SOC).

Based on the Zero Trust framework, which three deployment objectives should you prioritize in sequence? To answer, move the appropriate objectives from the list of objectives to the answer area and arrange them in the correct order.

Actions	Answer Area
Establish ransomware recovery readiness.	
Implement disaster recovery.	
Establish visibility.	
Enable additional protection and detection controls.	
Enable automation.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Establish ransomware recovery readiness.	
Implement disaster recovery.	
Establish visibility.	Establish visibility.
Enable additional protection and detection controls.	Enable additional protection and detection controls.
Enable automation.	Enable automation.

NEW QUESTION 124

- (Exam Topic 3)

You have an Azure subscription that contains a Microsoft Sentinel workspace.

Your on-premises network contains firewalls that support forwarding event logs in the Common Event Format (CEF). There is no built-in Microsoft Sentinel connector for the firewalls

You need to recommend a solution to ingest events from the firewalls into Microsoft Sentinel. What should you include in the recommendation?

- A. an Azure logic app
- B. an on-premises Syslog server

- C. an on-premises data gateway
- D. Azure Data Factory

Answer: B

NEW QUESTION 127

- (Exam Topic 3)

You plan to automate the development and deployment of a Nodejs-based app by using GitHub. You need to recommend a DevSecOps solution for the app. The solution must meet the following requirements:

- Automate the generation of pull requests that remediate identified vulnerabilities.
- Automate vulnerability code scanning for public and private repositories.
- Minimize administrative effort.
- Minimize costs.

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

Answer Area

To automate vulnerability code scanning: GitHub Enterprise Cloud
 GitHub Enterprise Cloud
 GitHub Enterprise Server
 GitHub Team

To automatically generate pull requests: Dependabot
 Codespaces
 Dependabot
 Dependency Tracker

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A close up of a text Description automatically generated

NEW QUESTION 128

- (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.

Answer Area

For the SQL audit logs: A Log Analytics workspace

For the Security logs: Azure Application Insights
 Microsoft Defender for SQL
 Microsoft Sentinel

For the Security logs: A Log Analytics workspace
 Application Insights

For the App Service audit logs: Microsoft Defender for servers
 Microsoft Sentinel

For the App Service audit logs: A Log Analytics workspace
 Application Insights
 Microsoft Defender for App Service
 Microsoft Sentinel

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 130

- (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

Explanation:

<https://docs.microsoft.com/en-us/azure/web-application-firewall/ag/bot-protection>

NEW QUESTION 135

- (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: A

Explanation:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-faq#how-do-i-lock-down-the-access-to-my-backend>

NEW QUESTION 137

- (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

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources>

NEW QUESTION 138

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