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Microsoft SC-100 Exam is a rigorous exam that requires a great deal of preparation. Candidates must have a thorough understanding of cybersecurity concepts, as well as the ability to apply these concepts in practical situations. SC-100 exam consists of multiple-choice questions, scenario-based questions, and performance-based questions. Candidates must demonstrate their ability to apply cybersecurity concepts and techniques in real-world scenarios.

Microsoft SC-100 Exam measures candidates' proficiency in various security domains, including identity and access management, platform protection, data and application protection, and threat protection. SC-100 exam is designed to test the candidates' ability to evaluate and mitigate security risks, implement security controls, and monitor security events to maintain a secure environment.

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Microsoft SC-100 certification exam is an essential credential for cybersecurity professionals who wish to demonstrate their skills and knowledge in designing and implementing secure solutions. Microsoft Cybersecurity Architect certification is globally recognized and can lead to increased job opportunities, higher salaries, and greater job security. If you are interested in pursuing a career in cybersecurity architecture, the Microsoft SC-100 Certification is an excellent place to start.

Microsoft Cybersecurity Architect Sample Questions (Q334-Q339):

NEW QUESTION # 334

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 are a. NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION # 335

You have a Microsoft 365 subscription.

You are designing a user access solution that follows the Zero Trust principles of the Microsoft Cybersecurity Reference Architectures (MCRA).

You need to recommend a solution that automatically restricts access to Microsoft Exchange Online, SharePoint Online, and Teams in near-real-time (NRT) in response to the following Azure AD events:

- * A user account is disabled or deleted
- * The password of a user is changed or reset.
- * All the refresh tokens for a user are revoked
- * Multi-factor authentication (MFA) is enabled for a user

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

- A. continuous access evaluation
- B. Azure AD Application Proxy
- C. Conditional Access
- D. a sign-in risk policy
- E. Azure AD Privileged Identity Management (PIM)

Answer: A,C

NEW QUESTION # 336

You have an Azure subscription.

You plan to deploy Azure Kubernetes Service (AKS) clusters that will be used to host web services.

You need to recommend an ingress controller solution that will protect the hosted web services.

What should you include in the recommendation?

- A. Azure Application Gateway
- B. Azure Front Door
- C. Azure Firewall
- D. Azure Load Balancer

Answer: A

Explanation:

Use Application Gateway Ingress Controller (AGIC) with a multitenant Azure Kubernetes Service.

In this solution, Azure Web Application Firewall (WAF) provides centralized protection for web applications deployed on a multi-tenant Azure Kubernetes Service (AKS) cluster from common exploits and vulnerabilities.

Web applications running on Azure Kubernetes Service (AKS) cluster and exposed via the Application Gateway Ingress Controller (AGIC) can be protected from malicious attacks, such as SQL injection and cross-site scripting, by using a WAF Policy on Azure Application Gateway.

WAF policy on Azure Application Gateway comes pre-configured with Open Worldwide Application Security Project (OWASP) core rule sets and can be changed to other supported OWASP Core Rule Set (CRS) versions.

Reference:

<https://learn.microsoft.com/en-us/azure/architecture/example-scenario/aks-agic/aks-agic>

NEW QUESTION # 337

Case Study 1 - Fabrikam, Inc

OverView

Fabrikam, Inc. is an insurance company that has a main office in New York and a branch office in Paris.

Existing Environment

On-premises Environment

The on-premises network contains a single Active Directory Domain Services (AD DS) domain named corp.fabrikam.com

Azure Environment

Fabrikam has the following Azure resources:

- A Microsoft Entra tenant named fabrikam.onmicrosoft.com that syncs with corp.fabrikam.com
- A single Azure subscription named Sub1
- A virtual network named Vnet1 in the East US Azure region
- A virtual network named Vnet2 in the West Europe Azure region
- An instance of Azure Front Door named FD1 that has Azure Web Application Firewall (WAF) enabled
- A Microsoft Sentinel workspace
- An Azure SQL database named ClaimsDB that contains a table named ClaimDetails
- 20 virtual machines that are configured as application servers and are NOT onboarded to Microsoft Defender for Cloud
- A resource group named TestRG that is used for testing purposes only
- An Azure Virtual Desktop host pool that contains personal assigned session hosts
- All the resources in Sub1 are in either the East US or the West Europe region.

Partners

Fabrikam has contracted a company named Contoso, Ltd. to develop applications. Contoso has the following infrastructure:

- An Microsoft Entra named contoso.onmicrosoft.com
- An Amazon Web Services (AWS) implementation named ContosoAWS1 that contains AWS EC2 instances used to host test workloads for the applications of Fabrikam Developers at Contoso will connect to the resources of Fabrikam to test or update applications.

The developers will be added to a security Group named Contoso Developers in fabrikam.onmicrosoft.com that will be assigned to roles in Sub1. The ContosoDevelopers group is assigned the db.owner role for the ClaimsDB database.

Compliance Event

Fabrikam deploys the following compliance environment:

- Defender for Cloud is configured to assess all the resources in Sub1 for compliance to the HIPAA HITRUST standard.
- Currently, resources that are noncompliant with the HIPAA HITRUST standard are remediated manually.
- Qualys is used as the standard vulnerability assessment tool for servers.

Problem Statements

The secure score in Defender for Cloud shows that all the virtual machines generate the following recommendation. Machines should have a vulnerability assessment solution. All the virtual machines must be compliant in Defender for Cloud.

ClaimApp Deployment

Fabrikam plans to implement an internet-accessible application named ClaimsApp that will have the following specification

- ClaimsApp will be deployed to Azure App Service instances that connect to Vnet1 and Vnet2.
- Users will connect to ClaimsApp by using a URL of <https://claims.fabrikam.com>.
- ClaimsApp will access data in ClaimsDB.
- ClaimsDB must be accessible only from Azure virtual networks.
- The app services permission for ClaimsApp must be assigned to ClaimsDB.

Application Development Requirements

Fabrikam identifies the following requirements for application development:

- Azure DevTest labs will be used by developers for testing.
- All the application code must be stored in GitHub Enterprise.
- Azure Pipelines will be used to manage application deployments.
- All application code changes must be scanned for security vulnerabilities, including application code or configuration files that contain secrets in clear text. Scanning must be done at the time the code is pushed to a repository.

Security Requirement

Fabrikam identifies the following security requirements:

- Internet-accessible applications must prevent connections that originate in North Korea.
- Only members of a group named InfraSec must be allowed to configure network security groups (NSGs) and instances of Azure

Firewall, VJM. And Front Door in Sub1.

- Administrators must connect to a secure host to perform any remote administration of the virtual machines. The secure host must be provisioned from a custom operating system image.

AWS Requirements

Fabrikam identifies the following security requirements for the data hosted in ContosoAWSV.

- Notify security administrators at Fabrikam if any AWS EC2 instances are noncompliant with secure score recommendations.
- Ensure that the security administrators can query AWS service logs directly from the Azure environment.

Contoso Developer Requirements

Fabrikam identifies the following requirements for the Contoso developers:

- Every month, the membership of the ContosoDevelopers group must be verified.
- The Contoso developers must use their existing contoso.onmicrosoft.com credentials to access the resources in Sub1.
- The Comoro developers must be prevented from viewing the data in a column named MedicalHistory in the ClaimDetails table.

Compliance Requirement

Fabrikam wants to automatically remediate the virtual machines in Sub1 to be compliant with the HIPPA HITRUST standard. The virtual machines in TestRG must be excluded from the compliance assessment.

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

Answer: A

Explanation:

It is not possible to restrict permissions of a db_owner, and therefore prevent an administrative account from viewing user data. If there's highly sensitive data in a database, Always Encrypted can be used to safely prevent db_owners or any other DBA from viewing it.

Reference:

<https://learn.microsoft.com/en-us/azure/azure-sql/database/security-best-practice?view=azuresql>

NEW QUESTION # 338

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

Answer: A,B

Explanation:

<https://docs.microsoft.com/en-us/powershell/scripting/learn/remoting/jea/overview?view=powershell-7.2>

<https://docs.microsoft.com/en-us/azure/defender-for-cloud/just-in-time-access-usage> <https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

NEW QUESTION # 339

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