SC-100 Q&As

Microsoft Cybersecurity Architect

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QUESTION 1

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. app discovery anomaly detection policies in Microsoft Defender for Cloud Apps

B. Azure AD Conditional Access App Control policies

C. adaptive application controls in Defender for Cloud

D. app protection policies in Microsoft Endpoint Manager

Correct Answer: C

Explanation:

Use adaptive application controls to reduce your machines\\' attack surfaces

Adaptive application controls are an intelligent and automated solution for defining allowlists of known-safe applications for your machines.

When you\\'ve enabled and configured adaptive application controls, you\\'ll get security alerts if any application runs other than the ones you\\'ve defined as safe.

Incorrect:

Not A: A Cloud Discovery anomaly detection policy enables you to set up and configure continuous monitoring of unusual increases in cloud application usage. Increases in downloaded data, uploaded data, transactions, and users are

considered for each cloud application. Each increase is compared to the normal usage pattern of the application as learned from past usage. The most extreme increases trigger security alerts.

Reference:

https://learn.microsoft.com/en-us/azure/defender-for-cloud/adaptive-application-controls

QUESTION 2

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. Enable Defender plans.

B. Configure auto provisioning.

C. Add a workflow automation.

D. Assign regulatory compliance policies.

E. Review the inventory.

Correct Answer: AB

QUESTION 3

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. row-level security (RLS)

B. Transparent Data Encryption (TDE)

C. Always Encrypted

D. data classification

E. dynamic data masking

Correct Answer: C

Anyone with admin privileges can see masked data. https://docs.microsoft.com/en-us/learn/modules/protect-data-transit-rest/4-explain-object-encryption-secure-enclaves

QUESTION 4

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. OAuth app policies in Microsoft Defender for Cloud Apps

B. Azure Security Benchmark compliance controls in Defender for Cloud

C. application control policies in Microsoft Defender for Endpoint

D. app discovery anomaly detection policies in Microsoft Defender for Cloud Apps

Correct Answer: C

Explanation:

Windows Defender Application Control is designed to protect devices against malware and other untrusted software. It prevents malicious code from running by ensuring that only approved code, that you know, can be run.

Application Control is a software-based security layer that enforces an explicit list of software that is allowed to run on a PC.

Incorrect:

Not A: Microsoft Defender for Cloud Apps OAuth app policies.

OAuth app policies enable you to investigate which permissions each app requested and which users authorized them for Office 365, Google Workspace, and Salesforce. You\\'re also able to mark these permissions as approved or banned.

Marking them as banned will revoke permissions for each app for each user who authorized it.

Note: In addition to the existing investigation of OAuth apps connected to your environment, you can set permission policies so that you get automated notifications when an OAuth app meets certain criteria. For example, you can

automatically be alerted when there are apps that require a high permission level and were authorized by more than 50 users.

Reference:

https://learn.microsoft.com/en-us/mem/configmgr/protect/deploy-use/use-device-guard-with-configuration-manager

https://docs.microsoft.com/en-us/defender-cloud-apps/app-permission-policy

QUESTION 5

HOTSPOT

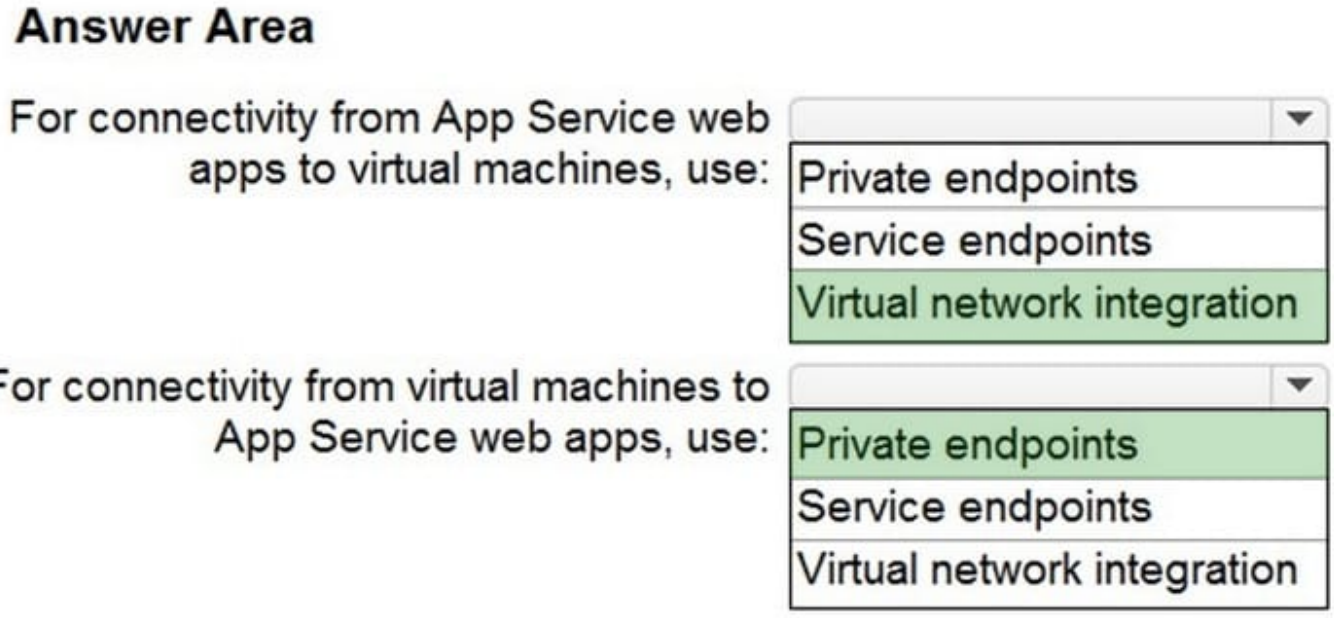
You need to recommend a strategy for App Service web app connectivity. The solution must meet the landing zone requirements.

What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:



Box 1: Virtual network integration

Integrate your app with an Azure virtual network.

With Azure virtual networks, you can place many of your Azure resources in a non-internet-routable network. The App Service virtual network integration feature enables your apps to access resources in or through a virtual network.

Box 2: Private endpoints

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.

A virtual machine can connect to the web app across the private endpoint.

Reference: https://docs.microsoft.com/en-us/azure/app-service/overview-vnet-integration

https://docs.microsoft.com/en-us/azure/private-link/tutorial-private-endpoint-webapp-portal