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QUESTION 1

Note: This question is a part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are designing an Azure solution for a company that wants to move a .NET Core web application from an on-premises data center to Azure. The web application relies on a Microsoft SQL Server 2016 database on Windows Server 2016.

The database server will not move to Azure.

A separate networking team is responsible for configuring network permissions.

The company uses Azure ExpressRoute and has an ExpressRoute gateway connected to an Azure virtual network named VNET1.

You need to recommend a solution for deploying the web application.

Solution: Deploy the web application to a web app hosted in an isolated App Service plan on VNET1.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Instead, use VNet Integration.

Note: VNet Integration gives your web app access to resources in your virtual network. VNet Integration is often used to enable access from apps to a databases and web services running in your VNet.

Reference:

https://docs.microsoft.com/en-us/azure/app-service/web-sites-integrate-with-vnet

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QUESTION 2

Your company has an on-premises Windows HPC cluster. The cluster runs an intrinsically parallel, compute-intensive workload that performs financial risk modelling.

You plan to migrate the workload to Azure Batch.

You need to design a solution that will support the workload. The solution must meet the following requirements:

1.

Support the large-scale parallel execution of Azure Batch jobs.

2.

Minimize cost.

What should you include in the solution?

A. Basic A-series virtual machines

B. low-priority virtual machines

C. burstable virtual machines

D. Azure virtual machine sizes that support the Message Passing Interface (MPI) API

Correct Answer: B

Reference: https://docs.microsoft.com/en-us/azure/batch/batch-technical-overview

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QUESTION 3

HOTSPOT

You have five .NET Core applications that run on 10 Azure virtual machines in the same subscription.

You need to recommend a solution to ensure that the applications can authenticate by using the same Azure Active Directory (Azure AD) identity. The solution must meet the following requirements:

1.

Ensure that the applications can authenticate only when running on the 10 virtual machines.

2.

Minimize administrative effort.

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

Hot Area:

Correct Answer:

Answer Area

To provision the Azure AD identity:

▼

Create a system-assigned Managed Identities for Azure resources
Create a user-assigned Managed Identities for Azure resources
Register each application in Azure AD

To authenticate, request a token by using:

▼

An Azure AD v1.0 endpoint
An Azure AD v2.0 endpoint
An Azure Instance Metadata Service identity OAuth2 endpoint

Answer Area

To provision the Azure AD identity:

Create a system-assigned Managed Identities for Azure resources
Create a user-assigned Managed Identities for Azure resources
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To authenticate, request a token by using:

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An Azure AD v2.0 endpoint
An Azure Instance Metadata Service identity OAuth2 endpoint

Box 1: Create a system-assigned Managed Identities for Azure resource

The managed identities for Azure resources feature in Azure Active Directory (Azure AD) feature provides Azure services with an automatically managed identity in Azure AD. You can use the identity to authenticate to any service that

supports Azure AD authentication, including Key Vault, without any credentials in your code.

A system-assigned managed identity is enabled directly on an Azure service instance. When the identity is enabled, Azure creates an identity for the instance in the Azure AD tenant that\\'s trusted by the subscription of the instance. After the

identity is created, the credentials are provisioned onto the instance.

Box 2: An Azure Instance Metadata Service Identity

See step 3 and 5 below.

How a system-assigned managed identity works with an Azure VM

Azure Resource Manager receives a request to enable the system-assigned managed identity on a VM.

Azure Resource Manager creates a service principal in Azure AD for the identity of the VM. The service principal is created in the Azure AD tenant that\\\'s trusted by the subscription.

Azure Resource Manager configures the identity on the VM by updating the Azure Instance Metadata Service identity endpoint with the service principal client ID and certificate.

After the VM has an identity, use the service principal information to grant the VM access to Azure resources. To call Azure Resource Manager, use role-based access control (RBAC) in Azure AD to assign the appropriate role to the VM

service principal. To call Key Vault, grant your code access to the specific secret or key in Key Vault.

Your code that\\'s running on the VM can request a token from the Azure Instance Metadata service endpoint, accessible only from within the VM

Reference:

https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

QUESTION 4

You have an on-premises deployment of MongoDB.

You plan to migrate MongoDB to an Azure Cosmos DB account that uses the MongoDB API.

You need to recommend a solution for migrating MongoDB to Azure Cosmos DB.

What should you include in the recommendation?

A. mongorestore

B. Data Migration Assistant

C. Azure Storage Explorer

D. Azure Cosmos DB Data Migration Tool

Correct Answer: A

Reference: https://docs.microsoft.com/en-us/azure/cosmos-db/mongodb-migrate

QUESTION 5

You plan to use Azure API Management lo publish an API. You need to restrict the usage of the API to a specific IP address range. Which settings should you use to configure the filter expression in API Management?

A. Outbound processing

B. Backend

C. inbound processing

D. frontend

Correct Answer: C

https://docs.microsoft.com/en-us/azure/api-management/api-management-access-restriction- policies#RestrictCallerIPs

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