Microsoft AZ-900 Mock Exam

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Question 1

Question Type: MultipleChoice

You have an Azure subscription.

You plan to create a virtual machine.

Where will the virtual machine be placed in Azure?

Options:

A- In a storage account
B- In a resource group
C- In an administrative unit
D- In an application group

Answer:

B

Question 2

Question Type: MultipleChoice

Note: This question is part of a 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 plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to two or more availability zones.

Does this meet the goal?

Options:

A- Yes
B- No

Answer:

A

Explanation:

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region.

Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability

Question 3

Question Type: MultipleChoice

You plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines remain available if a single data center fails.

What are two possible solutions? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

Options:

A- Deploy the virtual machines to a scale set.
B- Deploy the virtual machines to two or more resource groups.
C- Deploy the virtual machines to two or more availability zones.
D- Deploy the virtual machines to two or more regions.

Answer:

C, D

Question 4

Question Type: MultipleChoice

You need to collect and automatically analyze security events from Azure Active Directory (Azure AD).

What should you use?

Options:

A- Azure Sentinel
B- Azure Key Vault
C- Azure Synapse Analytics
D- Azure AD Connect

Answer:

A

Question 5

Question Type: MultipleChoice

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An Azure administrator plans to run a PowerShell script that creates Azure resources.

You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Linux and has the Azure CLI tools installed.

Does this meet the goal?

Options:

A- Yes
B- No

Answer:

B

Explanation:

Section: Understand Core Azure Services

Question 6

Question Type: MultipleChoice

What can Azure Information Protection encrypt?

Options:

A- an Azure Storage account
B- documents and email messages
C- an Azure SQL database
D- network traffic

Answer:

B

Explanation:

Azure Information Protection can encrypt documents and emails.

Azure Information Protection is a cloud-based solution that helps an organization to classify and optionally, protect its documents and emails by applying labels. Labels can be applied automatically by administrators who define rules and conditions, manually by users, or a combination where users are given recommendations.

The protection technology uses Azure Rights Management (often abbreviated to Azure RMS). This technology is integrated with other Microsoft cloud services and applications, such as Office 365 and Azure Active Directory.

This protection technology uses encryption, identity, and authorization policies. Similarly to the labels that are applied, protection that is applied by using Rights Management stays with the documents and emails, independently of the location---inside or outside your organization, networks, file servers, and applications.

https://docs.microsoft.com/en-us/azure/information-protection/what-is-information-protection

https://docs.microsoft.com/en-us/azure/information-protection/quickstart-label-dnf-protectedemail

Question 7

Question Type: MultipleChoice

This question requires that you evaluate the underlined text to determine if it is correct.

An organization that hosts its infrastructure in a private cloud can decommission its data center.

Instructions: Review the underlined text. If it makes the statement correct, Choose ''No change is needed''. If the statement is incorrect, Choose the answer choice that makes the statement correct.

Options:

A- No change is needed.
B- in a hybrid cloud
C- in the public cloud
D- on a Hyper-V host

Answer:

C

Explanation:

A private cloud is hosted in your datacenter. Therefore, you cannot close your datacenter if you are using a private cloud.

A public cloud is hosted externally, for example, in Microsoft Azure. An organization that hosts its infrastructure in a public cloud can close its data center.

Public cloud is the most common deployment model. In this case, you have no local hardware to manage or keep up-to-date everything runs on your cloud provider's hardware.

Microsoft Azure is an example of a public cloud provider.

In a private cloud, you create a cloud environment in your own datacenter and provide self-service access to compute resources to users in your organization.

This offers a simulation of a public cloud to your users, but you remain completely responsible for the purchase and maintenance of the hardware and software services you provide.

https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

Question 8

Question Type: MultipleChoice

What is a feature of an Azure virtual network?

Options:

A- resource cost analysis
B- packet inspection
C- isolation and segmentation
D- geo-redundancy

Answer:

C

Question 9

Question Type: MultipleChoice

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You plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines are available if a single

data center fails.

Solution: You deploy the virtual machines to two or more regions. Does this meet the goal?

Options:

A- Yes
B- No

Answer:

A

Explanation:

By deploying the virtual machines to two or more regions, you are deploying the virtual machines to multiple datacenters. This will ensure that the services running on the virtual machines are available if a single data center fails.

Azure operates in multiple datacenters around the world. These datacenters are grouped in to geographic regions, giving you flexibility in choosing where to build your applications.

You create Azure resources in defined geographic regions like 'West US', 'North Europe', or 'Southeast Asia'. You can review the list of regions and their locations. Within each region, multiple datacenters exist to provide for redundancy and availability.

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/regions

Question 10

Question Type: MultipleChoice

What should you use to prevent traffic from an Azure virtual network from being routed to an Azure Storage account via the internet?

Options:

A- a public endpoint
B- Azure VPN Gateway
C- a service endpoint
D- a network security group (NSG)

Answer:

D

Question 11

Question Type: MultipleChoice

What is required to use Azure Cost Management?

Options:

A- a Dev/Test subscription
B- Software Assurance
C- an Enterprise Agreement (EA)
D- a pay-as-you-go subscription

Answer:

C

Explanation:

Azure customers with an Azure Enterprise Agreement (EA), Microsoft Customer Agreement (MCA), or Microsoft Partner Agreement (MPA) can use Azure Cost Management.

Cost management is the process of effectively planning and controlling costs involved in your business. Cost management tasks are normally performed by finance, management, and app teams. Azure Cost Management + Billing helps organizations plan with cost in mind. It also helps to analyze costs effectively and take action to optimize cloud spending.

https://docs.microsoft.com/en-gb/azure/cost-management/overview-cost-mgt