AZ-900^{Q&As}

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Microsoft Azure Fundamentals

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QUESTION 1

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company\\'s infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.

The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that the Azure API Management service be included in the strategy.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 2

Which statement accurately describes the Modern Lifecycle Policy for Azure services?

A. Microsoft provides mainstream support for a service for ve years.

B. Microsoft provides a minimum of 12 months TM notice before ending support for a service.

C. After a service is made generally available, Microsoft provides support for the service for a minimum of four years.

D. When a service is retired, you can purchase extended support for the service for up to ve years.

Correct Answer: B

For products governed by the Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months\\' notication prior to ending support if no successor product or service is offered " excluding free services or preview releases.

Reference: https://support.microsoft.com/en-us/help/30881/modern-lifecycle-policy

QUESTION 3

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include two virtual machines and two availability zones in your strategy.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

References: https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

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QUESTION 4

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

You have an application that is comprised of an Azure web app that has a Service Level Agreement (SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent.

The composite SLA for the application is the product of both SLAs, which equals 99.94 percent.

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

A. No change is needed

B. the lowest SLA associated to the application, which is 99.95 percent

C. the highest SLA associated to the application, which is 99.99 percent

D. the difference between the two SLAs, which is 0.05 percent

Correct Answer: A

Composite SLAs involve multiple services supporting an application, each with differing levels of availability. For example, consider an App Service web app that writes to Azure SQL Database. At the time of this writing, these Azure services have the following SLAs:

1.

App Service web apps = 99.95%

2.

SQL Database = 99.99%

What is the maximum downtime you would expect for this application? If either service fails, the whole application fails. The probability of each service failing is independent, so the composite SLA for this application is 99.95% × 99.99% = 99.94%. That\\'s lower than the individual SLAs, which isn\\'t surprising because an application that relies on multiple services has more potential failure points.

References: https://docs.microsoft.com/en-us/azure/architecture/reliability/requirements#understand-service-level-agreements

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QUESTION 5

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

You have several virtual machines in an Azure subscription.
You create a new subscription.

The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

Correct Answer:

Answer Area

You have several virtual machines in an Azure subscription.
You create a new subscription.

The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

You can move a VM and its associated resources to a different subscription by using the Azure portal.

Moving between subscriptions can be handy if you originally created a VM in a personal subscription and now want to move it to your company\\'s subscription to continue your work. You do not need to start the VM in order to move it and it

should continue to run during the move.

References:

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

QUESTION 6

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
Each Azure subscription can contain multiple account administrators.	○	○
Each Azure subscription can be managed by using a Microsoft account only.	○	○
An Azure resource group contains multiple Azure subscriptions.	○	○

Correct Answer:

Statements	Yes	No
Each Azure subscription can contain multiple account administrators.	○	○
Each Azure subscription can be managed by using a Microsoft account only.	○	○
An Azure resource group contains multiple Azure subscriptions.	○	○

Box 1: Yes

You can assign additional account administrators in the Azure Portal.

Box 2: No

You need an Azure Active Directory account to manage a subscription, not a Microsoft account.

An account is created in the Azure Active Directory when you create the subscription. Further accounts can be created in the Azure Active Directory to manage the subscription.

Box 3: No

Resource groups are logical containers for Azure resources. However, resource groups do not contain subscriptions. Subscriptions contain resource groups.

References:

https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-andtenants-for-microsoft-cloud-offerings

QUESTION 7

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Availability zones can be implemented in all Azure regions.	○	○
Only virtual machines that run Windows Server can be created in availability zones.	○	○
Availability zones are used to replicate data and applications to multiple regions.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
Availability zones can be implemented in all Azure regions.	○	●
Only virtual machines that run Windows Server can be created in availability zones.	○	●
Availability zones are used to replicate data and applications to multiple regions.	○	●

Box 1: No

Not all Azure regions support availability zones.

![Pass2Lead](https://Pass2Lead.com)
Box 2: No

Availability zones can be used with many Azure services, not just VMs.

Box 3: No

Availability Zones are unique physical locations within a single Azure region.

Reference:

https://docs.microsoft.com/en-us/azure/availability-zones/az-region#azure-regions-with-availability-zones

QUESTION 8

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	○	○
You can use Azure Cost Management to view costs associated to resource groups.	○	○
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	○	○

Correct Answer:

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	○	●
You can use Azure Cost Management to view costs associated to resource groups.	●	○
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	●	○

Reference: https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/quick-acm-cost-analysis

https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-analysis-common-uses

QUESTION 9

Your company plans to deploy several web servers and several database servers to Azure.

You need to recommend an Azure solution to limit the types of connections from the web servers to the database servers.

What should you include in the recommendation?

A. network security groups (NSGs)

B. Azure Service Bus

C. a local network gateway

D. a route filter

Correct Answer: A

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

References: https://docs.microsoft.com/en-us/azure/virtual-network/security-overview

QUESTION 10

A team has an Azure Cosmos DB account. A solution needs to be in place to generate an alert from Azure Log Analytics when a query request charge exceeds 40 units more than 10 times during a 10-minute window. Which of the following would you recommend? (Choose two)

A. Create a search query to identify when the requestCharge_s exceeds 10.

B. Configure a period of 10 and a frequency of 10.

C. Create a search query to identify when the requestCharge_s exceeds

D. Create a search query to identify when the duration_s exceeds 10.

Correct Answer: BC

QUESTION 11

HOTSPOT

You have an Azure Active Directory (Azure AD) tenant named contoso.com that contains the users shown in the following table.

Name	Member of	Mobile phone	Multi-factor authentication (MFA) status
User1	Group1	123 555 7890	Disabled
User2	Group1, Group2	None	Enabled
User3	Group1	123 555 7891	Required

You create and enforce an Azure AD Identity Protection user risk policy that has the following settings:

1.

Assignment: Include Group1, Exclude Group2

2.

Conditions: Sign-in risk of Medium and above

3.

Access: Allow access, Require password change

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
If User1 signs in from an unfamiliar location, he must change his password.	○	○
If User2 signs in from an anonymous IP address, she must change her password.	○	○
If User3 signs in from a computer containing malware that is communicating with known bot servers, he must change his password.	○	○

Correct Answer:

Statements	Yes	No
If User1 signs in from an unfamiliar location, he must change his password.	⦿	○
If User2 signs in from an anonymous IP address, she must change her password.	⦿	○
If User3 signs in from a computer containing malware that is communicating with known bot servers, he must change his password.	○	⦿

QUESTION 12

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been informed by your superiors of the company\\\'s intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

Solution: You recommend the use of Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 13

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

You have several virtual machines in an Azure subscription. You create a new subscription.

The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

You have several virtual machines in an Azure subscription. You create a new subscription.

The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

QUESTION 14

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
Azure Active Directory Premium P2 guarantees at least 99.9 percent availability.	○	○
The Service Level Agreement (SLA) for Azure Active Directory Premium P2 is the same as the SLA for Azure Active Directory Free.	○	○
All paying Azure customers receive a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	○	○

Correct Answer:

Statements	Yes	No
Azure Active Directory Premium P2 guarantees at least 99.9 percent availability.	●	○
The Service Level Agreement (SLA) for Azure Active Directory Premium P2 is the same as the SLA for Azure Active Directory Free.	●	○
All paying Azure customers receive a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	○	●

QUESTION 15

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can create a resource group inside of an other resource group.	○	○
An Azure virtual machine can be in multiple resource groups.	○	○
A resource group can contain resources from multiple Azure regions.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
You can create a resource group inside of an other resource group.	○	●
An Azure virtual machine can be in multiple resource groups.	○	●
A resource group can contain resources from multiple Azure regions.	●	○

Box1:No

Box2:No

Each resource can exist in only one resource group.

Box 3: Yes

Resources from multiple different regions can be placed in a resource group. The resource group only contains metadata about the resources it contains.

Reference:

https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview

https://www.codeisahighway.com/effective-ways-to-delete-resources-in-a-resource-group-on-azure/