Vendor: Microsoft

Exam Code:AZ-100

Exam Name: Microsoft Azure Infrastructure and Deployment

Version: Demo

QUESTION 1

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 have an Azure virtual machine named VM1. VM1 was deployed by using a custom Azure Resource Manager template named ARM1.json.

You receive a notification that VM1 will be affected by maintenance.

You need to move VM1 to a different host immediately.

Solution: From the Update management blade, you click Enable.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

You would need to Redeploy the VM.

References: https://docs.microsoft.com/en-us/azure/virtual-machines/windows/redeploy-to-new-node

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QUESTION 2

SIMULATION

Click to expand each objective. To connect to the Azure portal, type https://portal.azure.com in the browser address bar.

Microsoft.StorageAccount-20181011170335 - Overview
Deployment

🔍 Search (Ctrl+/)	«	🗑 Delete	🚫 Cancel	⬆ Redeploy	🔄 Refresh

- 🔺 Overview
- ☰ Outputs
- 🖥 Inputs
- 📄 Template

∙∙ Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.
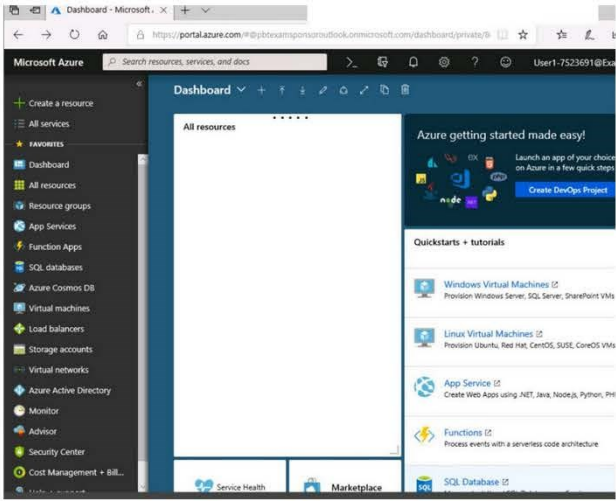
Deployment
name: Microsoft.StorageAccount-20181011170335
Subscription: Microsoft AZ-100 5
Resource group: corpdatalod7523690

DEPLOYMENT DETAILS (Download)

Start time: 10/11/2018 5:04:06 PM
Duration: 17 seconds
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Create a virtual machine

> ❗ Validation failed. Required information is missing or not valid.

Basics • Disks • Networking • Management • Guest config • Tags • **Review + create**

PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

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| **Pricing not available for this offering**
View Pricing details for more information. |

Standard D2s v3

by Microsoft

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Subscription credits apply ⓘ

0.0960 USD/hr

Pricing for other VM sizes

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.

When you are finished performing all the tasks, click the \'Next\' button.

Note that you cannot return to the lab once you click the \'Next\' button. Scoring occur in the background while you complete the rest of the exam.

Overview

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design. Scoring is based on the outcome of performing the tasks stated in the lab. In other words, it doesn\'t matter how you accomplish the task, if you successfully perform it, you will earn credit for that task.

Labs are not timed separately, and this exam may have more than one lab that you must complete. You can use as much time as you would like to complete each lab. But, you should manage your time appropriately to ensure that you are able to complete the lab(s) and all other sections of the exam in the time provided.

Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

To start the lab

You may start the lab by clicking the Next button.

You plan to move backup files and documents from an on-premises Windows file server to Azure Storage. The backup files will be stored as blobs.

You need to create a storage account named corpdata7523690n2. The solution must meet the following requirements:

Ensure that the documents are accessible via drive mappings from Azure virtual machines that run Windows Server 2016.

Provide the highest possible redundancy for the documents.

Minimize storage access costs.

What should you do from the Azure portal?

Correct Answer:

Step 1: In the Azure portal, click All services. In the list of resources, type Storage Accounts. As you begin typing, the list filters based on your input. Select Storage Accounts.

Step 2: On the Storage Accounts window that appears, choose Add.

Step 3: Select the subscription in which to create the storage account.

Step 4: Under the Resource group field, select Create New. Create a new Resource

Step 5: Enter a name for your storage account: corpdata7523690n2

Step 6: For Account kind select: General-purpose v2 accounts (recommended for most scenarios)

General-purpose v2 accounts is recommended for most scenarios. . General-purpose v2 accounts deliver the lowest per-gigabyte capacity prices for Azure Storage, as well as industry-competitive transaction prices.

Step 7: For replication select: Read-access geo-redundant storage (RA-GRS)

Read-access geo-redundant storage (RA-GRS) maximizes availability for your storage account. RA-GRS provides read-

only access to the data in the secondary location, in addition to geo-replication across two regions.

References:

https://docs.microsoft.com/en-us/azure/storage/common/storage-quickstart-create-account

https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview

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QUESTION 3

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.

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You have an Azure virtual machine named VM1. VM1 was deployed by using a custom Azure Resource Manager template named ARM1.json.

You receive a notification that VM1 will be affected by maintenance.

You need to move VM1 to a different host immediately.

Solution: From the Overview blade, you move the virtual machine to a different resource group.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

You should redeploy the VM.

References: https://docs.microsoft.com/en-us/azure/virtual-machines/windows/redeploy-to-new-node

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QUESTION 4

You have an Azure subscription that contains the resources in the following table.

Name	Type
ASG1	Application security group
NSG1	Network security group (NSG)
Subnet1	Subnet
VNet1	Virtual network
NIC1	Network interface
VM1	Virtual machine

Subnet1 is associated to VNet1. NIC1 attaches VM1 to Subnet1.

You need to apply ASG1 to VM1.

What should you do?

A. Modify the properties of NSG1.

B. Modify the properties of ASG1.

C. Associate NIC1 to ASG1.

Correct Answer: B

When you deploy VMs, make them members of the appropriate ASGs. You associate the ASG with a subnet.

References: https://azure.microsoft.com/en-us/blog/applicationsecuritygroups/

QUESTION 5

You have an Azure subscription that contains the resources in the following table.

Name	Type	Azure region	Resource group
VNet1	Virtual network	West US	RG2
VNet2	Virtual network	West US	RG1
VNet3	Virtual network	East US	RG1
NSG1	Network security group (NSG)	East US	RG2

To which subnets can you apply NSG1?

A. the subnets on VNet2 only

B. the subnets on VNet1 only

C. the subnets on VNet2 and VNet3 only

D. the subnets on VNet1, VNet2, and VNet3

E. the subnets on VNet3 only

Correct Answer: E

All Azure resources are created in an Azure region and subscription. A resource can only be created in a virtual network that exists in the same region and subscription as the resource. References: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-vnet-plan-design-arm

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QUESTION 6

You have an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com that contains 100 user accounts.

You purchase 10 Azure AD Premium P2 licenses for the tenant.

You need to ensure that 10 users can use all the Azure AD Premium features.

What should you do?

A. From the Groups blade of each user, invite the users to a group.

B. From the Licenses blade of Azure AD, assign a license.

C. From the Directory role blade of each user, modify the directory role.

D. From the Azure AD domain, add an enterprise application.

Correct Answer: B

To assign a license, under Azure Active Directory > Licenses > All Products, select one or more products, and then select Assign on the command bar. References: https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/license-users-groups

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QUESTION 7

A web developer creates a web application that you plan to deploy as an Azure web app. Users must enter credentials to access the web application.

You create a new web app named WebApp1 and deploy the web application to WebApp1.

You need to disable anonymous access to WebApp1.

What should you configure?

A. Access control (IAM)

B. Advanced Tools

C. Deployment credentials

D. Authentication/Authorization

Correct Answer: D

Anonymous access is an authentication method. It allows users to establish an anonymous connection.

References: https://docs.microsoft.com/en-us/biztalk/core/guidelines-for-resolving-iis-permissions-problems

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QUESTION 8

HOTSPOT

You have an Azure subscription named Subscription1 that has a subscription ID of c276fc76-9cd4-44c9-99a7-4fd71546436e.

You need to create a custom RBAC role named CR1 that meets the following requirements:

Can be assigned only to the resource groups in Subscription1

Prevents the management of the access permissions for the resource groups

Allows the viewing, creating, modifying, and deleting of resources within the resource groups

What should you specify in the assignable scopes and the permission elements of the definition of CR1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
        "assignableScopes": [
```

"/"
"/subscriptions/c276fc76-9cd4-44c9-99a7-4fd71546436e"
"/subscriptions/c276fc76-9cd4-44c9-99a7-4fd71546436e/resourceGroups"

```
        ],
        "permissions": [
        {
        "actions": [
        "*"
        ],
        "additionalProperties":{},
        "dataActions":[],
        "notActions":
```

"Microsoft.Authorization/*"
"Microsoft.Resources/*"
"Microsoft.Security/*"

```
        ],
        "notDataActions": []
        }
        ],
```

Correct Answer:

Answer Area

```
    "assignableScopes": [
```

"/"
"/subscriptions/c276fc76-9cd4-44c9-99a7-4fd71546436e"
"/subscriptions/c276fc76-9cd4-44c9-99a7-4fd71546436e/resourceGroups"

```
    ],
    "permissions": [
    {
    "actions": [
    "*"
    ],
    "additionalProperties":{},
    "dataActions":[],
    "notActions": {
```

"Microsoft.Authorization/*"
"Microsoft.Resources/*"
"Microsoft.Security/*"

```
    ],
    "notDataActions": []
    }
    ],
```

QUESTION 9

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 have an Azure subscription that contains 10 virtual networks. The virtual networks are hosted in separate resource groups.

Another administrator plans to create several network security groups (NSGs) in the subscription.

You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.

Solution: From the Resource providers blade, you unregister the Microsoft.ClassicNetwork provider. Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Use a policy definition.

QUESTION 10

HOTSPOT

You have an Azure subscription named Subscription1. Subscription1 contains the resources in the following table.

Name	Type
RG2	Resource group
VNet1	Virtual network
VNet2	Virtual network
VM5	Virtual machine connected to VNet1
VM6	Virtual machine connected to VNet2

In Azure, you create a private DNS zone named adatum.com. You set the registration virtual network to VNet2. The adatum.com zone is configured as shown in the following exhibit.

Resource group (change)		Name server 1	
vmrg		-	
Subscription (change)		Name server 2	
Azure Pass		-	
Subscription ID		Name server 3	
a4fde29b-d56a-4f6c-8298-6c53cd0b720c		-	
		Name server 4	
		-	

Tags (change)
Click here to add tags

🔍 Search record sets

NAME	TYPE	TTL	VALUE
@	SOA	3600	Email: azuredns-hostmaster.microsoft.com Host: internal.cloucapp.net Refresh: 3600 Retry: 300 Expire:2419200 Minimum TTL: 300 Serial number: 1
vm1	A	3600	10.1.0.4
vm9	A	3600	10.1.0.12

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
The A record for VM5 will be registered automatically in the adatum.com zone.	○	○
VM5 can resolve VM9.adatum.com.	○	○
VM6 can resolve VM9.adatum.com.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
The A record for VM5 will be registered automatically in the adatum.com zone.	○	●
VM5 can resolve VM9.adatum.com.	○	●
VM6 can resolve VM9.adatum.com.	●	○

Explanation:

Box 1: No

Azure DNS provides automatic registration of virtual machines from a single virtual network that\\'s linked to a private zone as a registration virtual network. VM5 does not belong to the registration virtual network though.

Box 2: No

Forward DNS resolution is supported across virtual networks that are linked to the private zone as resolution virtual networks. VM5 does belong to a resolution virtual network.

Box 3: Yes

VM6 belongs to registration virtual network, and an A (Host) record exists for VM9 in the DNS zone.

By default, registration virtual networks also act as resolution virtual networks, in the sense that DNS resolution against the zone works from any of the virtual machines within the registration virtual network.

References: https://docs.microsoft.com/en-us/azure/dns/private-dns-overview

QUESTION 11

You have two subscriptions named Subscription1 and Subscription2. Each subscription is associated to a different Azure AD tenant.

Subscription1 contains a virtual network named VNet1.VNet1 contains an Azure virtual machine named VM1 and has an IP address space of 10.0.0.0/16.

Subscription2 contains a virtual network named VNet2. VNet2 contains an Azure virtual machine named VM2 and has an IP address space of 10.10.0.0/24.

You need to connect VNet1 to VNet2.

What should you do first?

A. Move VNet1 to Subscription2.

B. Modify the IP address space of VNet2.

C. Provision virtual network gateways.

D. Move VM1 to Subscription2.

Correct Answer: C

The virtual networks can be in the same or different regions, and from the same or different subscriptions. When connecting VNets from different subscriptions, the subscriptions do not need to be associated with the same Active Directory

tenant.

Configuring a VNet-to-VNet connection is a good way to easily connect VNets. Connecting a virtual network to another virtual network using the VNet-to-VNet connection type (VNet2VNet) is similar to creating a Site-to-Site IPsec connection

to an on-premises location. Both connectivity types use a VPN gateway to provide a secure tunnel using IPsec/IKE, and both function the same way when communicating.

The local network gateway for each VNet treats the other VNet as a local site. This lets you specify additional address space for the local network gateway in order to route traffic. References: https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-vnet-vnet-resource-manager-portal

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QUESTION 12

HOTSPOT

You have an Azure subscription named Subscription1 that contains the virtual networks in the following table.

Name	Subnet
VNet1	Sybnet11
VNet2	Subnet12
VNet3	Subnet13

Subscripton1 contains the virtual machines in the following table.

Name	IP address	Availability set
VM1	Subnet11	AS1
VM2	Subnet11	AS1
VM3	Subnet11	Not applicable
VM4	Subnet11	Not applicable
VM5	Subnet12	Not applicable
VM6	Subnet12	Not applicable

In Subscription1, you create a load balancer that has the following configurations:

Name: LB1 SKU: Basic Type: Internal Subnet: Subnet12 Virtual network: VNET1

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
LB1 can balance the traffic between VM1 and VM2.	O	O
LB1 can balance the traffic between VM3 and VM4.	O	O
LB1 can balance the traffic between VM5 and VM6.	O	O

Correct Answer:

Answer Area

Statements	Yes	No
LB1 can balance the traffic between VM1 and VM2.	⦿	○
LB1 can balance the traffic between VM3 and VM4.	○	⦿
LB1 can balance the traffic between VM5 and VM6.	○	⦿

References: https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-standard-overview

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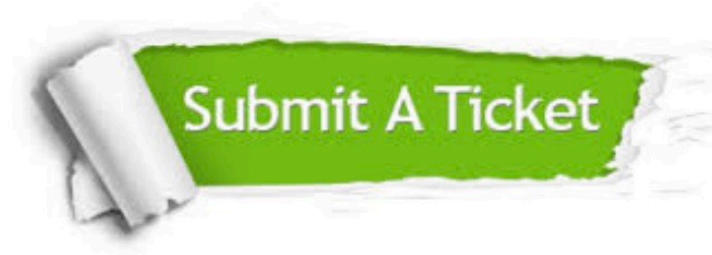
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