

Exam Questions AZ-303

Microsoft Azure Architect Technologies (beta)

<https://www.2passey.com/dumps/AZ-303/>



NEW QUESTION 1

- (Exam Topic 1)

You need to configure the Device settings to meet the technical requirements and the user requirements. Which two settings should you modify? To answer, select the appropriate settings in the answer area.

Answer Area

Save Discard

Users may join devices to Azure AD ⓘ All Selected None

Selected
No member selected

Additional local administrators on Azure AD joined devices ⓘ Selected None

Selected
No member selected

Users may register their devices with Azure AD ⓘ All None

Require Multi-Factor Auth to join devices ⓘ Yes No

Maximum number of devices per user ⓘ

Users may sync settings and app data across devices ⓘ All Selected None

Selected
No member selected

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Selected

NEW QUESTION 2

- (Exam Topic 1)

You are planning the move of App1 to Azure. You create a network security group (NSG).

You need to recommend a solution to provide users with access to App1. What should you recommend?

- A. Create an outgoing security rule for port 443 from the Internet
- B. Associate the NSG to all the subnets.
- C. Create an incoming security rule for port 443 from the Internet
- D. Associate the NSG to all the subnets.
- E. Create an incoming security rule for port 443 from the Internet
- F. Associate the NSG to the subnet that contains the web servers.
- G. Create an outgoing security rule for port 443 from the Internet
- H. Associate the NSG to the subnet that contains the web servers.

Answer: C

Explanation:

As App1 is public-facing we need an incoming security rule, related to the access of the web servers. Scenario: You have a public-facing application named App1. App1 is comprised of the following three tiers: a SQL database, a web front end, and a processing middle tier. Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

NEW QUESTION 3

- (Exam Topic 1)

You need to move the blueprint files to Azure. What should you do?

- A. Generate a shared access signature (SAS). Map a drive, and then copy the files by using File Explorer.
- B. Use the Azure Import/Export service.

- C. Generate an access key
- D. Map a drive, and then copy the files by using File Explorer.
- E. Use Azure Storage Explorer to copy the files.

Answer: D

Explanation:

Azure Storage Explorer is a free tool from Microsoft that allows you to work with Azure Storage data on Windows, macOS, and Linux. You can use it to upload and download data from Azure blob storage.

Scenario:

Planned Changes include: move the existing product blueprint files to Azure Blob storage. Technical Requirements include: Copy the blueprint files to Azure over the Internet. References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-data-to-azure-blob-us>

NEW QUESTION 4

- (Exam Topic 1)

You need to recommend a solution for App1. The solution must meet the technical requirements. What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Number of virtual networks:

	▼
1	
2	
3	

Number of subnets per virtual network:

	▼
1	
2	
3	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 3

One virtual network for every tier Box 2: 1

Only one subnet for each tier, to minimize the number of open ports.

Scenario: You have a public-facing application named App1. App1 is comprised of the following three tiers: ➤ A SQL database

- A web front end
- A processing middle tier

Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only. Technical requirements:

- Move all the virtual machines for App1 to Azure.
- Minimize the number of open ports between the App1 tiers.

NEW QUESTION 5

- (Exam Topic 2)

Your network contains an on-premises Active Directory domain named contoso.com. The domain contains the users shown in the following table.

Name	Member of
User1	Domain Admins
User2	Domain Users
User3	ADSyncAdmins
User4	Account Operators

You plan to install Azure AD Connect and enable SSO.

You need to specify which user to use to enable SSO. The solution must use the principle of least privilege. Which user should you specify?

- A. User4
- B. User1
- C. User3
- D. User2

Answer: C

NEW QUESTION 6

- (Exam Topic 2)

You have an Azure Resource Manager template for a virtual machine named Template1. Template1 has the following parameters section.

```

"parameters": {
    "adminUsername": {
        "type": "string"
    },
    "adminPassword": {
        "type": "securestring"
    },
    "dnsLabelPrefix": {
        "type": "string"
    },
    "windowsOSVersion": {
        "type": "string"
        "defaultValue": "2016-Datacenter",
        "allowedValues": [
            "2016-Datacenter",
            "2019-Datacenter"
        ]
    },
    "location": {
        "type": "String",
        "allowedValues": [
            "eastus",
            "centralus",
            "westus"
        ]
    }
},

```

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
When you deploy Template1, you are prompted for a resource group.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for the Windows operating system version.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for a location.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

The Resource group is not specified.

Box 2: No

The default value for the operating system is Windows 2016 Datacenter.

Box 3: Yes

Location is no default value. References:

<https://docs.microsoft.com/bs-latn-ba/azure/virtual-machines/windows/ps-template>

NEW QUESTION 7

- (Exam Topic 2)

You create a new Azure subscription. You create a resource group named RG1. In RG1, you create the resources shown in the following table.

Name	Type
VNET1	Virtual network
VM1	Virtual machine
GWSN1	Gateway subnet
VPNGW1	Virtual network gateway

You need to configure an encrypted tunnel between your on-premises network and VNET1.

Which two additional resources should you create in Azure? Each correct answer presents part of the solution.

- A. a point-to-site configuration
B. a local network gateway
C. a VNet-to-VNet connection

- D. a VPN gateway
E. a site-to-site connection

Answer: DE

Explanation:

A Site-to-Site VPN gateway connection is used to connect your on-premises network to an Azure virtual network over an IPsec/IKE (IKEv1 or IKEv2) VPN tunnel. This type of connection requires a VPN device, a local network gateway, located on-premises that has an externally facing public IP address assigned to it.

Finally, create a Site-to-Site VPN connection between your virtual network gateway and your on-premises VPN device.

References:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal>

NEW QUESTION 8

- (Exam Topic 2)

You have an Azure subscription that contains the resource groups shown in the following table.

Name	Location
RG1	West US
RG2	East US

You create an Azure Resource Manager template named Template1 as shown in the following exhibit.

```
{
    "$schema": "http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "name": {
            "type": "String"
        },
        "location": {
            "defaultValue": "westus",
            "type": "String"
        }
    },
    "variables": {
        "location": "[resourceGroup().location]"
    },
    "resources": [
        {
            "type": "Microsoft.Network/publicIPAddresses",
            "apiVersion": "2019-11-01",
            "name": "[parameters('name')]",
            "location": "[variables('location')]",
            "sku": {
                "name": "Basic"
            },
            "properties": {
                "publicIPAddressVersion": "IPv4",
                "publicIPAllocationMethod": "Dynamic",
                "idleTimeoutInMinutes": 4,
                "ipTags": []
            }
        }
    ]
}
```

From the Azure portal, you deploy Template1 four times by using the settings shown in the following table.

Resource group	Name	Location
RG1	IP1	westus
RG1	IP2	westus
RG2	IP1	westus
RG2	IP3	westus

What is the result of the deployment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Number of public IP addresses in West US:

	▼
1	
2	
3	
4	

Total number of public IP addresses created:

	▼
1	
2	
3	
4	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Number of public IP addresses in West US:

	▼
1	
2	
3	
4	

Total number of public IP addresses created:

	▼
1	
2	
3	
4	

NEW QUESTION 9

- (Exam Topic 2)

You have 10 Azure virtual machines on a subnet named Subnet1. Subnet1 is on a virtual network named VNet1.

You plan to deploy a public Azure Standard Load Balancer named LB1 to the same Azure region as the 10 virtual machines.

You need to ensure that traffic from all the virtual machines to the internet flows through LB1. The solution must prevent the virtual machines from being accessible on the internet.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Add health probes to LB1.
- B. Add the network interfaces of the virtual machines to the backend pool of LB1.
- C. Add an inbound rule to LB1.
- D. Add an outbound rule to LB1.
- E. Associate a network security group (NSG) to Subnet1.
- F. Associate a user-defined route to Subnet1.

Answer: ABD

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/load-balancer/tutorial-load-balancer-standard-manage-portal2>

NEW QUESTION 10

- (Exam Topic 2)

You have several Azure virtual machines on a virtual network named VNet1. You configure an Azure Storage account as shown in the following exhibit.

The screenshot shows the Azure Storage account 'contoso' settings page. Under the 'Firewalls and virtual networks' tab, there is a table listing virtual networks and their subnet configurations. One entry shows 'VNet1' with subnet '1' and address range '10.2.0.0/16'. Another entry shows 'Prod' with subnet '2' and address range '10.2.0.0/24', which is marked as 'Enabled'. The 'Resource Group' for both is 'DemoRG' and the 'Subscription' is 'Production subscription'. Below the table, there is a section for 'Firewall' settings, showing IP ranges allowed from the internet or on-premises networks. There is also a list of 'Exceptions' for Azure services.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

The virtual machines on the 10.2.9.0/24 subnet will have network connectivity to the file shares in the storage account [answer choice].

always
during a backup
never

Azure Backup will be able to back up the unmanaged hard disks of the virtual machines in the storage account [answer choice].

always
during a backup
never

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Never

Box 2: Never

After you configure firewall and virtual network settings for your storage account, select Allow trusted Microsoft services to access this storage account as an exception to enable Azure Backup service to access the network restricted storage account.

<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-use-files-windows> <https://azure.microsoft.com/en-us/blog/azure-backup-now-supports-storage-accounts-secured-with-azure-storage>

NEW QUESTION 10

- (Exam Topic 2)

Your company has the groups shown in the following table.

Group	Number of members
Managers	10
Sales	100
Development	15

The company has an Azure subscription that contains an Azure Active Directory (Azure AD) tenant named contoso.com.

An administrator named Admin1 attempts to enable Enterprise State Roaming for all the users in the Managers group.

Admin1 reports that the options for Enterprise State Roaming are unavailable from Azure AD. You verify that Admin1 is assigned the Global administrator role.

You need to ensure that Admin1 can enable Enterprise State Roaming. What should you do?

- A. Enforce Azure Multi-Factor Authentication (MFA) for Admin1.
- B. Purchase an Azure AD Premium P1 license for each user in the Managers group.
- C. Assign an Azure AD Privileged Identity Management (PIM) role to Admin1.
- D. Purchase an Azure Rights Management (Azure RMS) license for each user in the Managers group.

Answer: B

Explanation:

Enterprise State Roaming is available to any organization with an Azure AD Premium or Enterprise Mobility + Security (EMS) license.

References:

<https://docs.microsoft.com/bs-latn-ba/azure/active-directory/devices/enterprise-state-roaming-enable>

NEW QUESTION 12

- (Exam Topic 2)

You have an Azure subscription that contains a resource group named RG1. You have a group named Group1 that is assigned the Contributor role for RG1.

You need to enhance security for the virtual machines in RG1 to meet the following requirements:

- Prevent Group1 from assigning external IP addresses to the virtual machines.
- Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address.

What should you use to meet each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Prevent Group1 from assigning external IP addresses to the virtual machines:

Azure Policy
Azure Bastion
Virtual network service endpoints
Azure Firewall
Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

Azure Policy
Azure Bastion
Virtual network service endpoints
Azure Firewall
Azure Web Application Firewall (WAF)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Prevent Group1 from assigning external IP addresses to the virtual machines:

Azure Policy
Azure Bastion
Virtual network service endpoints
Azure Firewall
Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

Azure Policy
Azure Bastion
Virtual network service endpoints
Azure Firewall
Azure Web Application Firewall (WAF)

NEW QUESTION 14

- (Exam Topic 2)

An administrator plans to create a function app in Azure that will have the following settings:

- Runtime stack: .NET Core
- Operating System: Linux
- Plan type: Consumption
- Enable Application Insights: Yes

You need to ensure that you can back up the function app.

Which settings should you recommend changing before creating the function app? D18912E1457D5D1DDCBD40AB3BF70D5D

- A. Runtime stack
- B. Enable Application Insights
- C. Operating System
- D. Plan type

Answer: D

Explanation:

The Backup and Restore feature requires the App Service plan to be in the Standard, Premium or Isolated tier. Reference:

<https://docs.microsoft.com/en-us/azure/app-service/manage-backup#requirements-and-restrictions>

NEW QUESTION 19

- (Exam Topic 2)

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

Name	Member of
User1	Group1
User2	Group2

The tenant contains computers that run Windows 10. The computers are configured as shown in the following table.

Name	Member of
Computer1	GroupA
Computer2	GroupA
Computer3	GroupB

You enable Enterprise State Roaming in contoso.com for Group1 and GroupA.

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
If User1 modifies the desktop background of Computer1, User1 will see the changed background when signing in to Computer3.	<input type="radio"/>	<input type="radio"/>
If User2 modifies the desktop background of Computer1, User2 will see the changed background when signing in to Computer2.	<input type="radio"/>	<input type="radio"/>
If User1 modifies the desktop background of Computer3, User1 will see the changed background when signing in to Computer2.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Enterprise State Roaming provides users with a unified experience across their Windows devices and reduces the time needed for configuring a new device.

Box 1: Yes

Box 2: No

Box 3: Yes References:

<https://docs.microsoft.com/en-us/azure/active-directory/devices/enterprise-state-roaming-overview>

NEW QUESTION 23

- (Exam Topic 2)

You plan to automate the deployment of a virtual machine scale set that uses the Windows Server 2016 Datacenter image. You need to ensure that when the scale set virtual machines are provisioned, they have web server components installed. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Create a new virtual machine scale set in the Azure portal.
- B. Create an automation account.
- C. Upload a configuration script.
- D. Modify the extensionProfile section of the Azure Resource Manager template.
- E. Create an Azure policy.

Answer: AD

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/tutorial-install-apps-template>

NEW QUESTION 25

- (Exam Topic 2)

You have three Azure SQL Database servers shown in the following table.

Name	Resource group	Location
sqlserver1	RG1	West US
sqlserver2	RG1	West US
sqlserver3	RG2	West US
sqlserver4	RG1	West Europe
sqlserver5	RG2	West Europe

You plan to specify sqlserver1 as the primary server in a failover group. Which servers can be used as a secondary server?

- A. sqlserver4 and sqlserver5 only
- B. sqlserver2 and sqlserver3 only
- C. sqlserver1 and sqlserver3 only
- D. sqlserver2 and sqlserver4 only

Answer: D

Explanation:

The Resource Group must be the same.

The secondary server can have another location.

The secondary server cannot be the same as the primary server. Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-configure>

NEW QUESTION 30

- (Exam Topic 2)

You create and save an Azure Resource Manager template named Template1 that includes the following four sections.

```
{
  "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "windowsOSVersion": {
      "defaultValue": "2019-Datacenter",
      "allowedValues": [
        "2012-Datacenter",
        "2012-R2-Datacenter",
        "2016-Datacenter",
        "2019-Datacenter"
      ],
    }
  },
}
```

Section2.

```
"variables": {
  "windowsOSVersion": "2012-Datacenter",
```

Section3.

```
},
"resources": [
  {
    "type": "Microsoft.Compute/virtualMachines",
```

Section4.

```
"storageProfile": {
  "imageReference": {
    "publisher": "MicrosoftWindowsServer",
    "offer": "WindowsServer",
    "sku": "2012-R2-Datacenter",
    "version": "latest"
  },
}
```

You deploy template1.

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

Answer Area

Statements	Yes	No
Windows Server 2012 R2 Datacenter will be deployed to the Azure virtual machine.	<input type="radio"/>	<input type="radio"/>
A custom image of Windows Server will be deployed.	<input type="radio"/>	<input type="radio"/>
During the deployment of Template1, an administrator will be prompted to select a version of Windows Server.	<input type="radio"/>	<input type="radio"/>

A. Mastered

B. Not Mastered

Answer: A

Explanation:**Answer Area**

Statements	Yes	No
Windows Server 2012 R2 Datacenter will be deployed to the Azure virtual machine.	<input checked="" type="radio"/>	<input type="radio"/>
A custom image of Windows Server will be deployed.	<input type="radio"/>	<input checked="" type="radio"/>
During the deployment of Template1, an administrator will be prompted to select a version of Windows Server.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 31

- (Exam Topic 2)

You have an Azure Container Registry and an Azure container instance.

You pull an image from the registry, and then update the local copy of the image.

You need to ensure that the updated image can be deployed to the container instance. The solution must ensure that you can deploy the updated image or the previous version of the image.

What should you do?

- A. Run the docker image push command and specify the tag parameter.
- B. Run the az image copy command and specify the tag parameter.
- C. Run the az aks update command and specify the attach-acr parameter.
- D. Run the kubectl apply command and specify the dry-run parameter.

Answer: B

NEW QUESTION 34

- (Exam Topic 2)

You have an Azure subscription that contains an Azure Log Analytics workspace. You have a resource group that contains 100 virtual machines. The virtual machines run Linux. You need to collect events from the virtual machines to the Log Analytics workspace. Which type of data source should you configure in the workspace?

- A. Syslog
- B. Linux performance counters
- C. custom fields

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/learn/quick-collect-azurevm>

Syslog is an event logging protocol that is common to Linux. Applications will send messages that may be stored on the local machine or delivered to a Syslog collector. When the Log Analytics agent for Linux is installed, it configures the local Syslog daemon to forward messages to the agent. The agent then sends the message to Azure Monitor where a corresponding record is created.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-custom-logs>

NEW QUESTION 35

- (Exam Topic 2)

You have an Azure subscription named Subscription1 that contains a virtual network named VNet1. You add the users in the following table.

User	Role
User1	Owner
User2	Security Admin
User3	Network Contributor

Which user can perform each configuration? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Add a subnet to VNet1:

User1 only
User3 only
User1 and User3 only
User2 and User3 only
User1, User2, and User3

Assign a user the Reader role to VNet1:

User1 only
User2 only
User3 only
User1 and User2 only
User2 and User3 only
User1, User2, and User3

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: User1 and User3 only.

The Owner Role lets you manage everything, including access to resources.

The Network Contributor role lets you manage networks, but not access to them. Box 2: User1

The Security Admin role: In Security Center only: Can view security policies, view security states, edit security policies, view alerts and recommendations, dismiss alerts and recommendations.

References:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

NEW QUESTION 37

- (Exam Topic 2)

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.

Your company is deploying an on-premises application named Appl. Users will access App1 by using a URL of <https://app1.contoso.com>. You register App1 in Azure Active Directory (Azure AD) and publish Appl by using the Azure AD Application Proxy. You need to ensure that Appl appears in the My Apps portal for all the users.

Solution: You create an offer for App1 and publish the offer to Azure Marketplace.

- A. Yes
- B. No

Answer: A

NEW QUESTION 40

- (Exam Topic 2)

You have an Azure virtual machine named VM1 and an Azure Active Directory (Azure AD) tenant named adatum.com.

D18912E1457D5D1DDCBD40AB3BF70D5D

VM1 has the following settings:

- IP address: 10.10.0.10
- System-assigned managed identity: On

You need to create a script that will run from within VM1 to retrieve the authentication token of VM1. Which address should you use in the script?

- A. vm1.adatum.com.onmicrosoft.com
- B. 169.254.169.254
- C. 10.10.0.10
- D. vm1.adatum.com

Answer: B

Explanation:

Your code that's

running on the VM can request a token from the Azure Instance Metadata Service identity endpoint, accessible only from within the VM:

<http://169.254.169.254/metadata/identity/oauth2/token>

Reference:

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

NEW QUESTION 44

- (Exam Topic 2)

You have the virtual machines shown in the following table.

Name	Operating system	Connected to
VM1	Red Hat Enterprise Linux 7.7	VNET1
VM2	Windows Server 2019	VNET2
VM3	Windows Server 2019	VNET3

You deploy an Azure bastion named Bastion1 to VNET1.

To which virtual machines can you connect by using Bastion1?

- A. VM1 only
- B. VM1 and VM2 only
- C. VM2 and VM3 only
- D. VM1, VM2, and VM3

Answer: C

NEW QUESTION 45

- (Exam Topic 2)

You have an application named App1 that does not support Azure Active Directory (Azure AD) authentication.

You need to ensure that App1 can send messages to an Azure Service Bus queue. The solution must prevent App1 from listening to the queue.

What should you do?

- A. Modify the locks of the Queue
- B. Configure Access control (IAM) for the Service Bus
- C. Configure Access control (IAM) for the queue.
- D. Add a shared access policy to the queue

Answer: D

Explanation:

There are two ways to authenticate and authorize access to Azure Service Bus resources: Azure Activity Directory (Azure AD) and Shared Access Signatures (SAS).

Each Service Bus namespace and each Service Bus entity has a Shared Access Authorization policy made up of rules.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-authentication-and-authorization> <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-sas>

NEW QUESTION 46

- (Exam Topic 2)

You have an Azure subscription.

You plan to deploy an app that has a web front end and an application tier.

You need to recommend a load balancing solution that meets the following requirements:

> Internet to web tier:

- Provides URL-based routing
 - Supports connection draining
 - Prevents SQL injection attacks
- > Web tier to application tier:
- Provides port forwarding
 - Supports HTTPS health probes
 - Supports an availability set as a backend pool

Which load balancing solution should you recommend for each tier? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Internet to web tier:

An Azure Application Gateway that has a web application firewall (WAF)
An internal Azure Standard Load Balancer
A public Azure Basic Load Balancer

Web tier to application tier:

An Azure Application Gateway that has a web application firewall (WAF)
An internal Azure Standard Load Balancer
A public Azure Basic Load Balancer

A. Mastered

B. Not Mastered

Answer: A**Explanation:**

Box 1: An Azure Application Gateway that has a web application firewall (WAF)

Azure Application Gateway offers a web application firewall (WAF) that provides centralized protection of your web applications from common exploits and vulnerabilities. Web applications are increasingly targeted by malicious attacks that exploit commonly known vulnerabilities. SQL injection and cross-site scripting are among the most common attacks.

Application Gateway operates as an application delivery controller (ADC). It offers Secure Sockets Layer (SSL) termination, cookie-based session affinity, round-robin load distribution, content-based routing, ability to host multiple websites, and security enhancements.

Box 2: An internal Azure Standard Load Balancer

The internet to web tier is the public interface, while the web tier to application tier should be internal. Note: When using load-balancing rules with Azure Load Balancer, you need to specify a health probes to allow Load Balancer to detect the backend endpoint status.

Health probes support the TCP, HTTP, HTTPS protocols. References:

<https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview> <https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-custom-probe-overview>**NEW QUESTION 47**

- (Exam Topic 2)

You have an Azure Active Directory (Azure AD) tenant.

You need to create a conditional access policy that requires all users to use multi-factor authentication when they access the Azure portal.

Which three settings should you configure? To answer, select the appropriate settings to the answer area. NOTE: Each correct selection is worth one point.

*Name
Policy1 

Assignments

Users and groups  0 users and groups selected >

Cloud apps  0 cloud apps selected >

Conditions  0 cloud apps selected >

Access controls

Grant  0 controls selected >

Session  0 controls selected >

Enable Policy

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/concept-conditional-access-policies>

NEW QUESTION 52

- (Exam Topic 2)

You have a web server app named App1 that is hosted in three Azure regions. You plan to use Azure Traffic Manager to distribute traffic optimally for App1. You need to enable Real User Measurements to monitor the network latency data for App1. What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From the Traffic Manager profile:

Select Generate key.
Enable Traffic view.
Configure the Diagnostics settings.
Add a custom header.

From App1:

Embed the Traffic Manager JavaScript code snippet.
Embed the Azure Application Insights JavaScript code snippet.
Configure the Diagnostics settings.
Configure the Application settings.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Select Generate key

You can configure your web pages to send Real User Measurements to Traffic Manager by obtaining a Real User Measurements (RUM) key and embedding the generated code to web page.

Obtain a Real User Measurements key

The measurements you take and send to Traffic Manager from your client application are identified by the service using a unique string, called the Real User Measurements (RUM) Key. You can get a RUM key using the Azure portal, a REST API, or by using the PowerShell or Azure CLI.

To obtain the RUM Key using Azure portal:

- From a browser, sign in to the Azure portal. If you don't already have an account, you can sign up for a free one-month trial.
- In the portal's search bar, search for the Traffic Manager profile name that you want to modify, and then click the Traffic Manager profile in the results that are displayed.
- In the Traffic Manager profile blade, click Real User Measurements under Settings.
- Click Generate Key to create a new RUM Key.

Box 2: Embed the Traffic Manager JavaScript code snippet. Embed the code to an HTML web page

After you have obtained the RUM key, the next step is to embed this copied JavaScript into an HTML page that your end users visit.

This example shows how to update an HTML page to add this script. You can use this guidance to adapt it to your HTML source management workflow.

- Open the HTML page in a text editor
- Paste the JavaScript code you had copied in the earlier step to the BODY section of the HTML (the copied code is on line 8 & 9, see figure 3).

```
1 <HTML>
2 <HEAD>
3 <TITLE>Webpage powered by Azure</TITLE>
4 </HEAD>
5 <BODY BGCOLOR="#FFFFFF">
6 <H1>Welcome</H1>
7 <P> <B>Hello!</B>
8 <script src="//www.atmrum.net/rum.js"></script>
9 <script>rum.start("0123456789abcdef0123456789abcdff");</script>
10 </BODY>
11 </HTML>
```

Reference:

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-create-rum-web-pages>

NEW QUESTION 57

- (Exam Topic 2)

Your network contains an on-premises Active Directory domain named contoso.com that contains a user named User1. The domain syncs to Azure Active Directory (Azure AD). You have the Windows 10 devices shown in the following table.

Name	Joined to
Device1	On-premises Active Directory
Device2	Azure AD
Device3	Workgroup

The User Sign-In settings are configured as shown in the following exhibit.

PROVISION FROM ACTIVE DIRECTORY



Azure AD Connect cloud provisioning

This feature allows you to manage provisioning from the cloud.

[Manage provisioning \(Preview\)](#)

Azure AD Connect sync

Sync Status	Enabled
Last Sync	Less than 1 hour ago
Password Hash Sync	Enabled

USER SIGN-IN

 Federation	Disabled	0 domains
 Seamless single sign-on	Enabled	1 domain
 Pass-through authentication	Disabled	0 agents

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

Statements	Yes	No
When accessing the Azure portal from Device1, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device2, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device3, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
When accessing the Azure portal from Device1, User1 will sign in automatically by using SSO.	<input checked="" type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device2, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input checked="" type="radio"/>
When accessing the Azure portal from Device3, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 59

- (Exam Topic 2)

Note: This question is 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 have a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

XCOPY File1.txt C:\Folder1\

You then build the container image. Does this meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

Copy is the correct command to copy a file to the container image. Furthermore, the root directory is specified as '/' and not as 'C:/'.

References:

https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy <https://docs.docker.com/engine/reference/builder/>

NEW QUESTION 62

- (Exam Topic 2)

You have an Azure Resource Manager template named Template1 in the library as shown in the following exhibit.

ARM Template

template1

```
1  {
2      "$schema": "https://schema.management.azure.com/
schemas/2015-01-01/deploymentTemplate.json#",
3      "contentVersion": "1.0.0.0",
4      "parameters": {},
5      "resources": [
6          {
7              "apiVersion": "2016-01-01",
8              "type": "Microsoft.Storage/storageAccounts",
9              "name": "[concat(copyIndex(), 'storage',
uniqueString(resourceGroup().id))]",
10             "location": "[resourceGroup().location]",
11             "sku": {
12                 "name": "Premium_LRS"
13             },
14             "kind": "Storage",
15             "properties": {},
16             "copy": {
17                 "name": "storagecopy",
18                 "count": 3,
19                 "mode": "Serial",
20                 "batchSize": 1
21             }
22         }
23     ]
24 }
25 }
26 }
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

During the deployment of Template1, you can specify [answer choice].

the number of resources to deploy
the name of the resources to deploy
the resource group to which to deploy the resources
the permissions for the resources that will be deployed

Template1 deploys [answer choice].

a single storage account in one resource group
three storage accounts in one resource group
three resource groups that each has one storage account
three resource groups that each has three storage accounts

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/template-syntax>**NEW QUESTION 67**

- (Exam Topic 2)

You have Azure virtual machines deployed to three Azure regions. Each region contains a single virtual network that has four virtual machines on the same subnet. Each virtual machine runs an application named App1. App1 is accessible by using HTTPS. Currently, the virtual machines are inaccessible from the internet.

You need to use Azure Front Door to load balance requests for App1 across all the virtual machines. Which additional Azure service should you provision?

- A. a public Azure Load Balancer
- B. Azure Traffic Manager
- C. an internal Azure Load Balancer
- D. Azure Private Link

Answer: A**NEW QUESTION 72**

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