

 **CERT** *Ya!*

Microsoft

AZ-104

Microsoft Azure Administrator

QUESTION & ANSWERS

QUESTION 1

You recently created a new Azure subscription that contains a user named Admin1. You need to ensure that Admin1 can deploy the Marketplace resource successfully. What should you do?

- A. From Azure PowerShell, run the Set-AzApiManagementSubscription cmdlet
- B. From the Azure portal, register the Microso.Marketplace resource provider
- C. From Azure PowerShell, run the Set-AzMarketplaceTerms cmdlet
- D. From the Azure portal, assign the Billing administrator role to Admin1

Correct Answer: C

QUESTION 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.

You deploy an Azure Kubernetes Service (AKS) cluster named AKS1.

You need to deploy a YAML file to AKS1.

Solution: From the Azure CLI, you run the kubectl client.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

QUESTION 3

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

Name	Type	Location	Resource group
RG1	Resource group	West US	<i>Not applicable</i>
RG2	Resource group	West US	<i>Not applicable</i>
Vault1	Recovery Services vault	Central US	RG1
Vault2	Recovery Services vault	West US	RG2
VM1	Virtual machine	Central US	RG2
storage1	Storage account	West US	RG1
SQL1	Azure SQL database	East US	RG2

In storage1, you create a blob container named blob1 and a file share named share1.

Which resources can be backed up to Vault1 and Vault2? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Can use Vault1 for backups:

	▼
VM1 only	
VM1 and share1 only	
VM1 and SQL1 only	
VM1, storage1, and SQL1 only	
VM1, blob1, share1, and SQL1	

Can use Vault2 for backups:

	▼
storage1 only	
share1 only	
VM1 and share1 only	
blob1 and share1 only	
storage1 and SQL1 only	

Correct Answer:

Can use Vault1 for backups:

	▼
VM1 only	
VM1 and share1 only	
VM1 and SQL1 only	
VM1, storage1, and SQL1 only	
VM1, blob1, share1, and SQL1	

Can use Vault2 for backups:

	▼
storage1 only	
share1 only	
VM1 and share1 only	
blob1 and share1 only	
storage1 and SQL1 only	

Explanation/Reference:

Box 1: VM1 only

VM1 is in the same region as Vault1.

File1 is not in the same region as Vault1.

SQL is not in the same region as Vault1.

Blobs cannot be backup up to service vaults.

Note: To create a vault to protect virtual machines, the vault must be in the same region as the virtual machines.

Box 2: Share1 only.

Storage1 is in the same region (West USA) as Vault2. Share1 is in Storage1.

Note: Aer you select Backup, the Backup pane opens and prompts you to select a storage account from a list

of discovered supported storage accounts. They're either associated with this vault or present in the same

region as the vault, but not yet associated to any Recovery Services vault.

References:

<https://docs.microsoft.com/bs-cyrl-ba/azure/backup/backup-create-rs-vault>

<https://docs.microsoft.com/en-us/azure/backup/backup-afs>

QUESTION 4

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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not appear in the review screen.

You have a computer named Computer1 that has a point-to-site VPN connection to an Azure virtual network

named VNet1. The point-to-site connection uses a self-signed certificate.

From Azure, you download and install the VPN client configuration package on a computer named Computer2.

You need to ensure that you can establish a point-to-site VPN connection to VNet1 from Computer2.

Solution: On Computer2, you set the Startup type for the IPsec Policy Agent service to Automatic.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 5

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 the following resources:

- * A virtual network that has a subnet named Subnet1

- * Two network security groups (NSGs) named NSG-VM1 and NSG-Subnet1

- * A virtual machine named VM1 that has the required Windows Server configurations to allow Remote Desktop

connections

NSG-Subnet1 has the default inbound security rules only.

NSG-VM1 has the default inbound security rules and the following custom inbound security rule:

- * Priority: 100

- * Source: Any

- * Source port range: *

- * Destination: *

- * Destination port range: 3389

- * Protocol: UDP

- * Action: Allow

VM1 connects to Subnet1. NSG-VM1 is associated to the network interface of VM1. NSG-Subnet1 is associated

to Subnet1.

You need to be able to establish Remote Desktop connections from the internet to VM1.

Solution: You add an inbound security rule to NSG-Subnet1 and NSG-VM1 that allows connections from the

internet source to the VirtualNetwork destination for port range 3389 and uses the TCP protocol.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A

QUESTION 6


You have a pay-as-you-go Azure subscription that contains the virtual machines shown in the following table.

Name	Resource group	Daily cost
VM1	RG1	20 euros
VM2	RG2	30 euros

You create the budget shown in the following exhibit.

Budget1

Resource group

 Edit budget

 Delete budget

CURRENT SPEND
5.93 EUR



BUDGET SUMMARY

Name	Budget1
Scope	RG1 (Resource group)
Filters	–
Amount	1,000.00 EUR
Budget period	Resets billing month
Start date	6/20/2019
End date	6/19/2021

BUDGET ALERTS

Alert conditions	% OF BUDGET	AMOUNT	ACTION GROUP	ACTION GROUP
	50%	€500	AG1	1 Email
	70%	€700	AG2	1 SMS
	100%	€1,000	AG3	1 Azure app
Alert recipients (email)	User1@Contoso.com			

.The AG1 action group contains a user named admin@contoso.com only.

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.

When the maximum amount in Budget1 is reached. **[answer choice]**.

	▼
VM1 and VM2 are turned off	
VM1 and VM2 continue to run	
VM1 is turned off, and VM2 continues to run	

Based on the current usage costs of the virtual machines. **[answer choice]**.

	▼
no email notifications will be sent each month	
one email notification will be sent each month	
two email notifications will be sent each month	
three email notifications will be sent each month	

Box 1: VM1 and VM2 continues to run

Correct Answer:

When the maximum amount in Budget1 is reached. [answer choice].

- VM1 and VM2 are turned off
- VM1 and VM2 continue to run
- VM1 is turned off, and VM2 continues to run

Based on the current usage costs of the virtual machines. [answer choice].

- no email notifications will be sent each month
- one email notification will be sent each month
- two email notifications will be sent each month
- three email notifications will be sent each month

Explanation/Reference:

When the budget thresholds you've created are exceeded, only notifications are triggered. None of your resources are affected and your consumption isn't stopped. You can use budgets to compare and track spending as you analyze costs.

Box 2: one email notification will be sent each month

Budget alerts for Resource Group RG1, which include VM1, but not VM2. VM1 consumes 20 Euro/day.

The 50%

,500 Euro limit, will be reached in 25 days, and an email will be sent.

The 70% and 100% alert conditions will not be reached within a month, and they don't trigger email alerts

anyway.

References:

<https://docs.microsoft.com/en-gb/azure/cost-management-billing/costs/tutorial-acm-create-budgets>

<https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-mgt-alerts-monitor-usagespending>

QUESTION 7

You have an Azure subscription.

You enable multi-factor authentication for all users.

Some users report that the email applications on their mobile device cannot connect to their Microsoft Exchange Online mailbox. The users can access Exchange Online by using a web browser and from Microsoft

Outlook 2016 on their computer.

You need to ensure that the users can use the email applications on their mobile device.

What should you instruct the users to do?

- A. Create an app password
- B. Reset the Azure Active Directory (Azure AD) password
- C. Enable self-service password reset
- D. Reinstall the Microsoft Authenticator app

Correct Answer: A

QUESTION 8

You have an Azure subscription named Subscripon1. Subscripon1 contains the virtual networks in the following table.

Name	Address space	Subnet name	Subnet address range
VNet1	10.1.0.0/16	Subnet1	10.1.1.0/24
VNet2	10.10.0.0/16	Subnet2	10.10.1.0/24
VNet3	172.16.0.0/16	Subnet3	172.16.1.0/24

Subscripon1 contains the virtual machines in the following table:

Name	Network	Subnet	IP address
VM1	VNet1	Subnet1	10.1.1.4
VM2	VNet2	Subnet2	10.10.1.4
VM3	VNet3	Subnet3	172.16.1.4

The firewalls on all the virtual machines are configured to allow all ICMP traffic.

You add the peerings in the following table.

Virtual network	Peering network
VNet1	VNet3
VNet2	VNet3
VNet3	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.

Answer Area

Statements	Yes	No
VM1 can ping VM3.	<input type="radio"/>	<input type="radio"/>
VM2 can ping VM3.	<input type="radio"/>	<input type="radio"/>
VM2 can ping VM1.	<input type="radio"/>	<input type="radio"/>

Answer Area

Statements	Yes	No
VM1 can ping VM3.	<input type="radio"/>	<input type="radio"/>
VM2 can ping VM3.	<input type="radio"/>	<input type="radio"/>
VM2 can ping VM1.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Explanation/Reference:

Peering connections are non-transitive.

References:

<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke>

QUESTION 9

You have 100 Azure subscriptions. All the subscriptions are associated to the same Azure Active Directory (Azure AD) tenant named contoso.com.

You are a global administrator.

You plan to create a report that lists all the resources across all the subscriptions.

You need to ensure that you can view all the resources in all the subscriptions.

What should you do?

- A. From the Azure portal, modify the profile settings of your account
- B. From Windows PowerShell, run the Add-AzureADAdministrativeUnitMember cmdlet
- C. From Windows PowerShell, run the New-AzureADUserAppRoleAssignment cmdlet.
- D. From the Azure portal, modify the properties of the Azure AD tenant.

Correct Answer: C

QUESTION 10

You need to deploy an Azure virtual machine scale set that contains five instances as quickly as possible. What should you do?

- A. Deploy five virtual machines. Modify the Size setting for each virtual machine
- B. Deploy five virtual machines. Modify the Availability Zones setting for each virtual machine.
- C. Deploy one virtual machine scale set that is set to ScaleSetVM orchestration mode.
- D. Deploy one virtual machine scale set that is set to VM (virtual machines) orchestration mode

Correct Answer: B

QUESTION 11

You plan to migrate an on-premises Hyper-V environment to Azure by using Azure Site Recovery. The Hyper-V environment is managed by using Microsoft System Center Virtual Machine Manager (VMM). The Hyper-V environment contains the virtual machines in the following table.

Name	Operating system (OS)	OS disk size	BitLocker Drive Encryption (BitLocker) enabled on OS disks	Generation
DC1	Windows Server 2016	500 GB	No	2
FS1	Ubuntu 16.04 LTS	200 GB	No	2
CA1	Windows Server 2012 R2	1 TB	Yes	1
SQL1	Windows Server 2016	200 GB	No	2

Which virtual machine can be migrated by using Azure Site Recovery?

- A. DC1
- B. FS1
- C. CA1
- D. SQL1

Correct Answer: D

QUESTION 12

You have a virtual network named VNET1 that contains the subnets shown in the following table:

Name	Subnet	Network security group (NSG)
Subnet1	10.10.1.0/24	NSG1
Subnet2	10.10.2.0/24	None

You have two Azure virtual machines that have the network configurations shown in the following table:

Name	Subnet	IP address	NSG
VM1	Subnet1	10.10.1.5	NSG2
VM2	Subnet2	10.10.2.5	None
VM3	Subnet2	10.10.2.6	None

For NSG1, you create the inbound security rule shown in the following table:

Priority	Source	Destination	Destination port	Action
101	10.10.2.0/24	10.10.1.0/24	TCP/1433	Allow

For NSG2, you create the inbound security rule shown in the following table:

Priority	Source	Destination	Destination port	Action
125	10.10.2.5	10.10.1.5	TCP/1433	Block

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
VM2 can connect to the TCP port 1433 services on VM1.	<input type="radio"/>	<input type="radio"/>
VM1 can connect to the TCP port 1433 services on VM2.	<input type="radio"/>	<input type="radio"/>
VM2 can connect to the TCP port 1433 services on VM3.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
VM2 can connect to the TCP port 1433 services on VM1.	<input type="radio"/>	<input type="radio"/>
VM1 can connect to the TCP port 1433 services on VM2.	<input type="radio"/>	<input type="radio"/>
VM2 can connect to the TCP port 1433 services on VM3.	<input type="radio"/>	<input type="radio"/>

Explanation/Reference:

Box 1: Yes

The inbound security rule for NSG1 allows TCP port 1433 from 10.10.2.0/24 (or Subnet2 where VM2 and VM3

are located) to 10.10.1.0/24 (or Subnet1 where VM1 is located) while the inbound security rule for NSG2

blocks TCP port 1433 from 10.10.2.5 (or VM2) to 10.10.1.5 (or VM1). However, the NSG1 rule has a higher

priority (or lower value) than the NSG2 rule.

Box 2: Yes

No rule explicitly blocks communication from VM1. The default rules, which allow communication, are thus

applied.

Box 3: Yes

No rule explicitly blocks communication between VM2 and VM3 which are both on Subnet2. The default rules, which allow communication, are thus applied. <https://docs.microsoft.com/en-us/azure/virtual-network/security-overview>

QUESTION 13

You have an Azure subscription named Subscription1.

You have 5 TB of data that you need to transfer to Subscription1.

You plan to use an Azure Import/Export job.

What can you use as the destination of the imported data?

- A. Azure SQL Database
- B. Azure File Storage
- C. An Azure Cosmos DB database
- D. The Azure File Sync Storage Sync Service
- E. Azure Data Factory
- F. A virtual machine

Correct Answer: B

QUESTION 14

You have a Recovery Service vault that you use to test backups. The test backups contain two protected virtual machines.

You need to delete the Recovery Services vault.

What should you do first?

- A. From the Recovery Service vault, stop the backup of each backup item
- B. From the Recovery Service vault, delete the backup data
- C. Modify the disaster recovery properties of each virtual machine
- D. Modify the locks of each virtual machine.

Correct Answer: A

QUESTION 15

You have an Azure subscription.

You create the Azure Storage account shown in the following exhibit.

Microsoft Azure Search resources, services, and docs (G+/)

Home > Subscriptions > Subscription1 - Resources > New > Create storage account

Create storage account

✓ Validation passed

Basics Networking Advanced Tags Review + create

Basics

Subscription	Subscription1
Resource group	RG1
Location	(Europe) North Europe
Storage account name	storage16852
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Locally-redundant storage (LRS)
Performance	Standard
Access tier (default)	Hot

Networking

Connectivity method	Private endpoint
Private Endpoint	(New) StorageEndpoint1 (blob) (privatelink.blob.core.windows.net)

Advanced

Secure transfer required	Enabled
Large file shares	Disabled
Blob soft delete	Disabled
Blob change feed	Disabled
Hierarchical namespace	Disabled
NFS v3	Disabled

[Create](#) [< Previous](#) [Next >](#)

[Download a template for automation](#)

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 minimum number of copies of the storage account will be [Answer choice]

1
2
3
4

To reduce the cost of infrequently accessed data in the storage account, you must modify the [Answer choice] setting.

Access tier (default)
Performance
Account kind
Replication

The minimum number of copies of the storage account will be [Answer choice]

1
2
3
4

To reduce the cost of infrequently accessed data in the storage account, you must modify the [Answer choice] setting.

Access tier (default)
Performance
Account kind
Replication

Correct Answer:

Explanation/Reference:

Box1:LRS will keep minimum three copies.

Box2:Changing the access tier from hot to cool will reduce the cost. In performance, standard is cheap. In the Account kind, GPV2 is giving best price. Can be checked yourself using the pricing calculator on below link.

<https://azure.microsoft.com/en-in/pricing/calculator/?service=storage>

QUESTION 16

You are troubleshooting a performance issue for an Azure Application Gateway.

You need to compare the total requests to the failed requests during the past six hours.

What should you use?

- A. Metrics in Application Gateway
- B. Diagnostic logs in Application Gateway
- C. NSG flow logs in Azure Network Watcher
- D. Connection monitor in Azure Network Watcher

Correct Answer: A

QUESTION 17

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: Solution: From the Overview blade, you move the virtual machine to a different subscription. Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

QUESTION 18


You have an Azure subscription named Subscription1. Subscription1 contains a virtual machine named VM1.

You have a computer named Computer1 that runs Windows 10. Computer1 is connected to the Internet.






You add a network interface named Interface1 to VM1 as shown in the exhibit (Click the Exhibit button.)

 **Network Interface: interface1** **Effective security rules** Topology 
 Virtual network/subnet: **VMRD-vnet/default** Public IP: **IP2** Private IP: **10.0.0.6**
 Accelerated networking: **Disabled**

INBOUND PORT RULES

 Network security group **VM1-nsg** (attached to network interface: **interface1**)
 Impacts 0 subnets, 2 network interfaces




Add inbound

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINA...	ACTION
1000	 default-allow-...	3389	TCP	Any	Any	 Allow ...
65000	AllowVnetInBound	Any	Any	VirtualN...	VirtualN...	 Allow ...
65001	AllowAzureLoadB...	Any	Any	AzureLo...	Any	 Allow ...
65500	AllowAllInBound	Any	Any	Any	Any	 Deny ...

OUTBOUND PORT RULES

 Network security group **VM1-nsg** (attached to network interface: **interface1**)
 Impacts 0 subnets, 2 network interfaces

Add outbound

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINA...	ACTION
65000	AllowVnetOutBo...	Any	Any	VirtualN...	VirtualN...	 Allow ...
65001	AllowInternetOut...	Any	Any	Any	Internet	 Allow ...
65500	DenyAllOutBound	Any	Any	Any	Any	 Deny ...

From Computer1, you attempt to connect to VM1 by using Remote Desktop, but the connection fails. You need to establish a Remote Desktop connection to VM1. What should you do first?

- A. Start VM1.
- B. Attach a network interface
- C. Delete the DenyAllOutBound outbound port rule.
- D. Delete the DenyAllInBound inbound port rule.

Correct Answer: A

QUESTION 19

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 Subscripon1
 - * Prevents the management of the access permissions for the resource groups
 - * Allows the viewing, creang, modifying, and deleng of resource within the resource groups
- What should you specify in the assignable scopes and the permission elements of the definion of CR1?

To

answer, select the appropriate opons in the answer area.

NOTE: Each correct selecon is worth one point.

```
"assignableScopes": [
  "/*",
  "/subscriptions/c276fc76-9cd4-44c9-99a7-4fd71546436e",
  "/subscriptions/c276fc76-9cd4-44c9-99a7-4fd71546436e/resourceGroups"
],
"permissions": [
  {
    "actions": [
      "*"
    ],
    "additionalProperties" : {},
    "dataActions": [],
    "notActions" : [
      "Microsoft.Authorization/*",
      "Microsft.Resources/*",
      "Microsoft.Security/*"
    ],
    "notDataActions": []
  }
],
```

Correct Answer:

```

"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": []
  }
],
]

```

Explanation/Reference:

Box 1: "/subscriptions/c276fc76-9cd4-44c9-99a7-4fd71546436e"

In the assignableScopes you need to mention the subscription ID where you want to implement the RBAC

Box 2: "Microsoft.Authorization/*"

Microsoft.Authorization/* is used to Manage authorization

References:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/resource-provider-operations#microsoftauthorization>

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

References:

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

<https://docs.microsoft.com/en-us/azure/role-based-access-control/resource-provider-operations#microsoftresources>

QUESTION 20

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

Name	Type	Region
RG1	Resource group	West US
RG2	Resource group	East Asia
storage1	Storage account	West US
storage2	Storage account	East Asia
VM1	Virtual machine	West US
VNET1	Virtual network	West US
VNET2	Virtual network	East Asia

VM1 connects to VNET1.

You need to connect VM1 to VNET2.

Solution: You create a new network interface, and then you add the network interface to VM1.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

QUESTION 21

You have an Azure virtual machine named VM1 that runs Windows Server 2019. You sign in to VM1 as a user

named User 1 and perform the following actions:

- * Create files on drive C.
- * Create files on drive D.
- * Modify the screen saver timeout.
- * Change the desktop background.

You plan to redeploy VM1.

Which changes will be lost after you redeploy VM1?

- A. the modified screen saver timeout
- B. the new desktop background
- C. the new files on drive D
- D. The new files on drive C

Correct Answer: C

QUESTION 22

You are building a custom Azure function app to connect to Azure Event Grid.

You need to ensure that resources are allocated dynamically to the function app. Billing must be based

on the
executions of the app.

What should you configure when you create the function app?

- A. the Windows operating system and the Consumption plan hosting plan
- B. the Windows operating system and the App Service plan hosting plan
- C. the Docker container and an App Service plan that uses the B1 pricing tier
- D. the Docker container and an App Service plan that uses the S1 pricing tier

Correct Answer: A

QUESTION 23

You have an Azure DNS zone named adatum.com. You need to delegate a subdomain named research.adatum.com to a different DNS server in Azure. What should you do?

- A. Create an PTR record named research in the adatum.com zone.
- B. Create an NS record named research in the adatum.com zone.
- C. Modify the SOA record of adatum.com.
- D. Create an A record named ".research in the adatum.com zone.

Correct Answer: B

QUESTION 24

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

Name	Type
VM1	Virtual machine
VM2	Virtual machine
LB1	Load balancer

You install the Web Server server role (IIS) on VM1 and VM2, and then add VM1 and VM2 to LB1. LB1 is configured as shown in the LB1 exhibit. (Click the Exhibit button.)

Essentials ▾

Resource group ([change](#))

VMRG

Location

West Europe

Subscription name ([change](#))

[Azure Pass](#)

Subscription ID

e66d2b22-fde8-4af2-9323-d43516f6eb4e

SKU

Basic

Backend pool

Backend1 (2 virtual machines)

Health probe

Probe1 (HTTP:80/Probe1.htm)

Load balancing rule

Rule1 (TCP/80)

NAT rules

-

Public IP address

104.40.178.194 (LB1)

Rule1 is configured as shown in the Rule1 exhibit. (Click the Exhibit button.)

*Name

Rule1

* IP Version

IPv4 IPv6

*Frontend IP address

104.40.178.194 (LoadBalancerFrontEnd) v

Protocol

TCP UDP

*Port

80

*Backend port

80

Backend pool

BackEnd1 (2 virtual machines) v

Health probe

Probe1(HTTP:80/Probe1.htm) v

Session persistence

None v

Idle timeout (minutes)

 4

Floating IP (direct server return)

Disabled

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

NOTE: Each correct selection is worth one point.

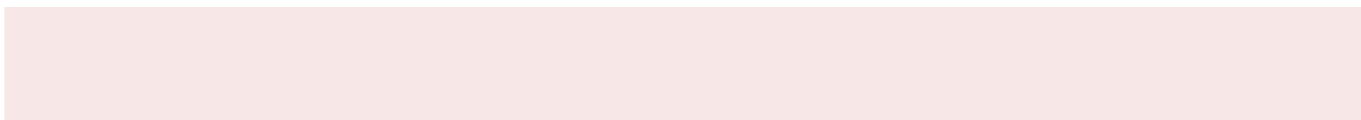
Statements

Yes No

VM1 is in the same availability set as VM2.

If Probe1.htm is present on VM1 and VM2, LB1 will balance TCP port 80 between VM1 and VM2.

If you delete Rule1, LB1 will balance all the requests between VM1 and VM2 for all the ports.



Correct Answer:

Statements	Yes	No
VM1 is in the same availability set as VM2.	<input type="radio"/>	<input type="radio"/>
If Probe1.htm is present on VM1 and VM2, LB1 will balance TCP port 80 between VM1 and VM2.	<input type="radio"/>	<input type="radio"/>
If you delete Rule1, LB1 will balance all the requests between VM1 and VM2 for all the ports.	<input type="radio"/>	<input type="radio"/>

Explanation/Reference:

To load balance with basic load balancer backend pool virtual machines has to be in a single availability set or virtual machine scale set.

A health probe is used to determine the health status of the instances in the backend pool. During load

balancer creation, configure a health probe for the load balancer to use. This health probe will determine if an instance is healthy and can receive traffic.

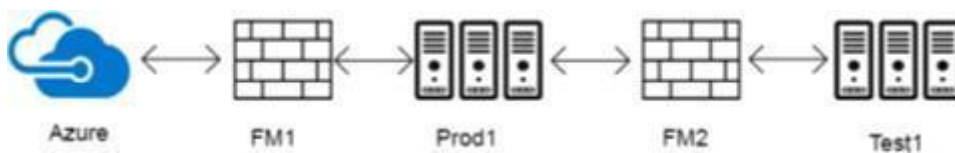
A Load Balancer rule is used to define how incoming traffic is distributed to the instances within the

Backend Pool. So if you delete the rule, load balancing won't happen.

<https://docs.microsoft.com/en-us/azure/load-balancer/skus>

QUESTION 25

Your network is configured as shown in the following exhibit.



The firewalls are configured as shown in the following table.

Allowed port name	Inbound (TCP)	Outbound (TCP)
FW1	993, 3389	80, 993
FM2	443, 995, 3389	80, 995

Prod1 contains a vCenter server.

You install an Azure Migrate Collector on Test1.

You need to discover the virtual machines.

Which TCP port should be allowed on each firewall? To answer, drag the appropriate ports to the correct firewalls.

Each port may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

TCP Ports	Answer Area
Inbound 80	FW1: <input type="text"/>
Inbound 995	FW2: <input type="text"/>
Outbound 3389	
Outbound 443	

Correct Answer:

TCP Ports	Answer Area
Inbound 80	FW1: Outbound 443
Inbound 995	FW2: Outbound 443
Outbound 3389	
Outbound 443	

QUESTION 26

You have an Azure subscription that contains a virtual machine named VM1. VM1 hosts a line-of-business application that is available 24 hours a day. VM1 has one network interface and one managed disk. VM1 uses the D4s v3 size.

You plan to make the following changes to VM1:

- * Change the size to D8s v3.
- * Add a 500-GB managed disk.
- * Add the Puppet Agent extension.
- * Add an additional network interface.

Which change will cause downtime for VM1?

- A. Add a 500-GB managed disk.
- B. Add an additional network interface.
- C. Add the Puppet Agent extension.
- D. Change the size to D8s v3.

Correct Answer: D

QUESTION 27

You have an Azure Linux virtual machine that is protected by Azure Backup. One week ago, two files were deleted from the virtual machine. You need to restore the deleted files to an on-premises computer as quickly as possible. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

- Mount a VHD.
- Copy the files by using File Explorer.
- Download and run a script.
- Select a restore point.
- Copy the files by using AZCopy.
- From the Azure portal, click **Restore VM** from the vault.
- From the Azure portal, click **File Recovery** from the vault.



Answer Area

Four empty rectangular boxes for the answer area.

Correct Answer:

Actions

- Mount a VHD.
- Copy the files by using File Explorer.
- Download and run a script.
- Select a restore point.
- Copy the files by using AZCopy.
- From the Azure portal, click **Restore VM** from the vault.
- From the Azure portal, click **File Recovery** from the vault.

→

←

Answer Area

QUESTION 28

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 app named App1 that is installed on two Azure virtual machines named VM1 and VM2. Connections to App1 are managed by using an Azure Load Balancer. The effective network security configurations for VM2 are shown in the following exhibit.

Priority	Name	Port	Protocol	Source	Destination	Action
100	Allow_131.107.100.50	443	TCP	131.107.100.50	VirtualNetwork	Allow
200	BlockAllOther443	443	Any	Any	Any	Deny
65000	AllowVnetInbound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerInbound	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInbound	Any	Any	Any	Any	Deny

You discover that connections to App1 from 131.107.100.50 over TCP port 443 fail. You verify that the Load Balancer rules are configured correctly. You need to ensure that connections to App1 can be established successfully from 131.107.100.50 over TCP port 443.

Solution: You modify the priority of the Allow_131.107.100.50 inbound security rule. Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A

QUESTION 29

You plan to use Azure Network Watcher to perform the following tasks:

* Task1: Identify a security rule that prevents a network packet from reaching an Azure virtual machine

* Task2: Validate outbound connectivity from an Azure virtual machine to an external host

Which feature should you use for each task? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Task1:

	▼
IP flow verify	
Next hop	
Packet capture	
Security group view	
Traffic Analytics	

Task2:

	▼
Connection troubleshoot	
IP flow verify	
Next hop	
NSG flow logs	
Traffic Analytics	

Task1:

	▼
IP flow verify	
Next hop	
Packet capture	
Security group view	
Traffic Analytics	

Task2:

	▼
Connection troubleshoot	
IP flow verify	
Next hop	
NSG flow logs	
Traffic Analytics	

Correct Answer:

Explanation/Reference:

Task 1: IP flow verify

The IP flow verify capability enables you to specify a source and destination IPv4 address, port, protocol (TCP or UDP), and traffic direction (inbound or outbound). IP flow verify then tests the communication and informs you if the connection succeeds or fails. If the connection fails, IP flow verify tells you which security rule allowed or denied the communication, so that you can resolve the problem.

Task 2: Connection troubleshoot

The connection troubleshoot capability enables you to test a connection between a VM and another VM, an FQDN, a URI, or an IPv4 address. The test returns similar information returned when using the connection monitor capability, but tests the connection at a point in time, rather than monitoring it over time.

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview>
<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>
<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-connectivity-overview>

QUESTION 30

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 registers a domain name of contoso.com.

You create an Azure DNS zone named contoso.com, and then you add an A record to the zone for a host named

bw that has an IP address of 131.107.1.10.

You need to resolve the name resolution issue.

Solution: You create a PTR record for www in the contoso.com zone.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

QUESTION 31

You have an Azure Kubernetes Service (AKS) cluster named AKS1.

You need to configure cluster autoscaler for AKS1.

Which two tools should you use? Each correct answer presents a complete solution,

NOTE: Each correct selection is worth one point

- A. the set-AzAKs cmdlet
- B. the Azure portal
- C. The az aks command
- D. the kubectl command
- E. the set Azvm cmdlet

Correct Answer: C,D

QUESTION 32

You have an Azure subscription that has a Recovery Services vault named Vault1. The subscription contains the virtual machines shown in the following table.

Name	Operating system	Auto-shutdown
VM1	Windows Server 2012 R2	Off
VM2	Windows Server 2016	19:00
VM3	Ubuntu Server 18.04 LTS	Off
VM4	Windows 10	19:00

You plan to schedule backups to occur every night at 23:00.

Which virtual machines can you back up by using Azure Backup?

- A. VM1 only
- B. VM1 and VM3 only
- C. VM1, VM2, VM3 and VM4
- D. VM1 and VM2 only

Correct Answer: C

QUESTION 33

You deploy an Azure Kubernetes Service (AKS) cluster named Cluster1 that uses the IP addresses shown in the following table.

IP address	Assigned to
131.107.2.1	Load balancer front end
192.168.10.2	Kubernetes DNS service
172.17.7.1	Docker bridge address
10.0.10.11	Kubernetes cluster node

You need to provide internet users with access to the applications that run in Cluster1. Which IP address should you include in the DNS record for Ousted?

- A. 172.17.7.1
- B. 131.107.2.1
- C. 192.168.10.2
- D. 10.0.10.11

Correct Answer: B

QUESTION 34

Your company has three offices. The offices are located in Miami, Los Angeles, and New York. Each office contains a datacenter.

You have an Azure subscription that contains resources in the East US and West US Azure regions.

Each region

contains a virtual network. The virtual networks are peered.

You need to connect the datacenters to the subscription. The solution must minimize network latency between

the datacenters.

What should you create?

- A. three virtual WANs and one virtual hub
- B. three virtual hubs and one virtual WAN
- C. three On-premises data gateways and one Azure Application Gateway
- D. three Azure Application Gateways and one On-premises data gateway

Correct Answer: A

QUESTION 35

You have an Azure virtual machine named VM1.

The network interface for VM1 is configured as shown in the exhibit. (Click the Exhibit tab.)

You deploy a web server on VM1, and then created a secure website that is accessible by using the HTTPS

protocol. VM1 is used as a web server only.

You need to ensure that users can connect to the website from the internet.

What should you do?

- A. Modify the action of Rule1
- B. Change the priority of Rule6 to 100
- C. For Rule4, change the protocol from UDP to Any
- D. / For Rule5, change the Action to Allow and change the priority to 401.

Correct Answer: D

QUESTION 36

You deploy a load balancer that has the following configurations:

* Name: LB1

* Type: internal

* SKU: Standard

* Virtual network: VNET1

You need to ensure that you can add VM1 and VM2 to the backend pool of LB1.

Solution: You disassociate the public IP address from the network interface of VM2.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

QUESTION 37

You have an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com.

You hire a temporary vendor. The vendor uses a Microsoft account that has a sign-in of user1@outlook.com.

You need to ensure that the vendor can authenticate to the tenant by using user1@outlook.com.

What should you do?

- A. From Windows PowerShell, run the New-AzureADUser cmdlet and specify the --UserPrincipalName user1@outlook.com parameter.
- B. From the Azure portal, add a custom domain name, create a new Azure AD user, and then specify user1@outlook.com as the username
- C. From Azure Cloud Shell, run the New-AzureADUser cmdlet and specify the --UserPrincipalName user1@outlook.com parameter
- D. From the Azure portal, add a new guest user, and then specify user1@outlook.com as the email address.

Correct Answer: D

QUESTION 38

You have an Azure subscription that includes data in following locations:

Name	Type
container1	Blob container
share1	Azure files share
DB1	SQL database
Table1	Azure Table

You plan to export data by using Azure import/export job named Export1. You need to identify the data that can be exported by using Export1. Which data should you identify?

- A. DB1
- B. Table1
- C. container1
- D. Share1

Correct Answer: C