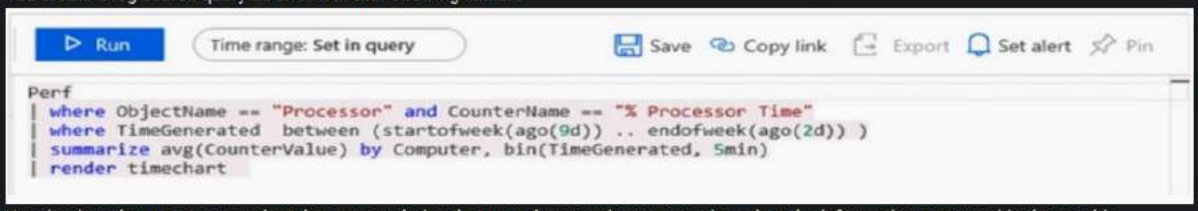
AZURE ADMINISTRATOR EXAM 103 Q&A – PART 2

Q1:

HOTSPOT -

You have an Azure subscription that contains several virtual machines and an Azure Log Analytics workspace named Workspace1.

You create a log search query as shown in the following exhibit.



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.

Hot Area:

Answer Area

If you run the query on Monday, the query will return the events from the last

- 1 day
- 7 days
- 8 days
- 14 days
- 21 days

The query results will be displayed in a

- table that has two colums
- table that has three columns
- graph that has the Computer values on the Y axis
- graph that has the avg(CounterValue) values on the Y axis

The Answer is ➡

Q2:

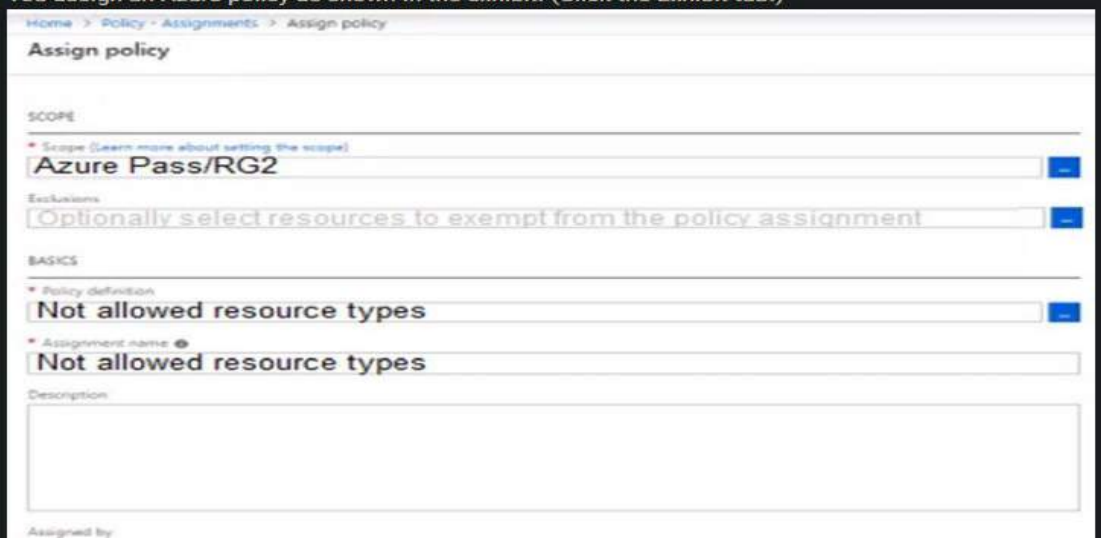
HOTSPOT -

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

Name	Type	Resource group
VNET1	Virtual network	RG1
VNET2	Virtual network	RG2
VM1	Virtual machine	RG2

The status of VM1 is Running.

You assign an Azure policy as shown in the exhibit. (Click the Exhibit tab.)



You assign the policy by using the following parameters:

```
Microsoft.ClassicNetwork/virtualNetworks
Microsoft.Network/virtualNetworks
Microsoft.Compute/virtualMachines
```

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
An administrator can move VNET1 to RG2.	○	○
The state of VM1 changed to deallocated.	○	○
An administrator can modify the address space of VNET2.	○	○

The Answer **Yes No No**

Q3:

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. an Azure Cosmos DB database

B. Azure File Storage

C. the Azure File Sync Storage Sync Service

D. Azure Data Factory

The Answer is **B**

Q4:

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

Name	Type
RG1	Resource group
Store1	Azure Storage account
Sync1	Azure File Sync

Store1 contains a file share named Data. Data contains 5,000 files.

You need to synchronize the files in the file share named Data to an on-premises server named Server1.

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

NOTE: Each correct selection is worth one point.

A. Download an automation script.

B. Register Server1.

C. Create a sync group.

D. Create a container instance.

E. Install the Azure File Sync agent on Server1.

The Answer is **B C E**

Q5:

DRAG DROP -

You have an Azure subscription that contains a storage account.

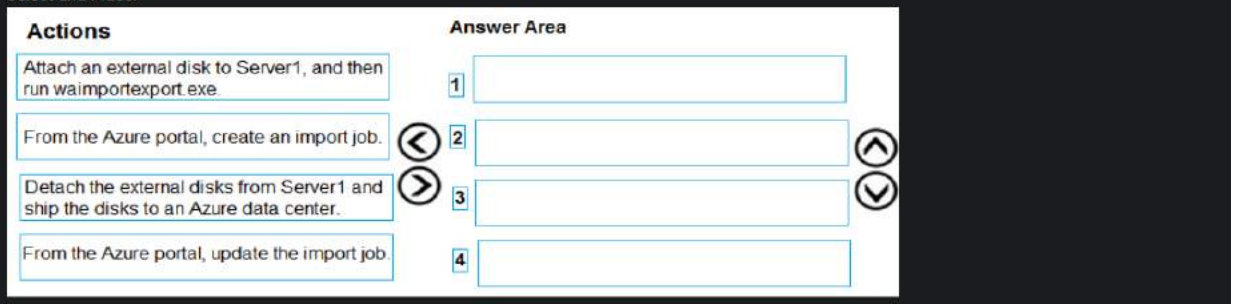
You have an on-premises server named Server1 that runs Windows Server 2016. Server1 has 2 TB of data.

You need to transfer the data to the storage account by using the Azure Import/Export service.

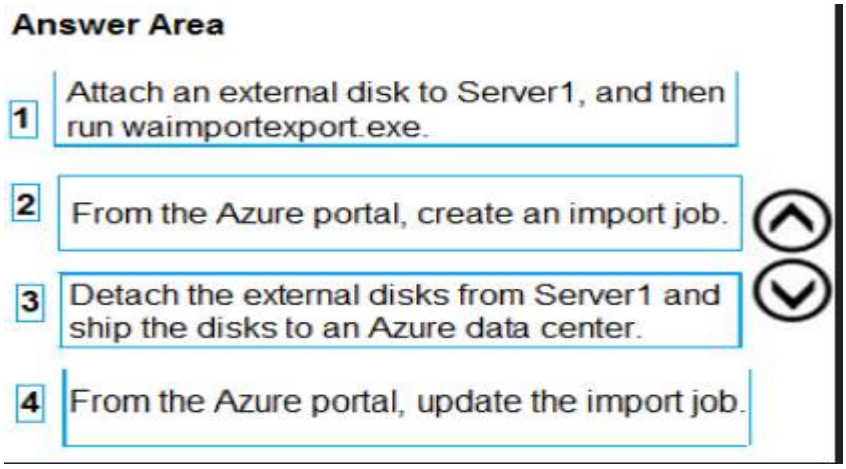
In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:



The Answer



Q6:

You have the Azure virtual machines shown in the following table.

Name	Azure Region
VM1	West Europe
VM2	West Europe
VM3	North Europe
VM4	North Europe

You have a Recovery Services vault that protects VM1 and VM2.
You need to protect VM3 and VM4 by using Recovery Services.
What should you do first?

A. Create a new backup policy.

B. Configure the extensions for VM3 and VM4.

C. Create a storage account.

D. Create a new Recovery Services vault.

The Answer is **D**

Q7:

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 Data Lake Store

B. a virtual machine

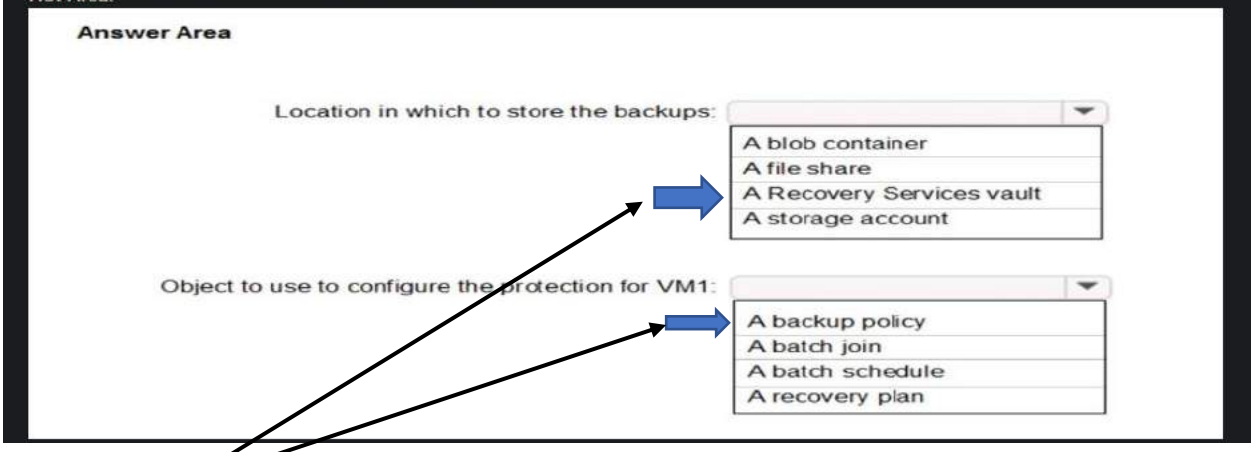
C. the Azure File Sync Storage Sync Service

D. Azure Blob storage

The Answer is **D**

Q8:

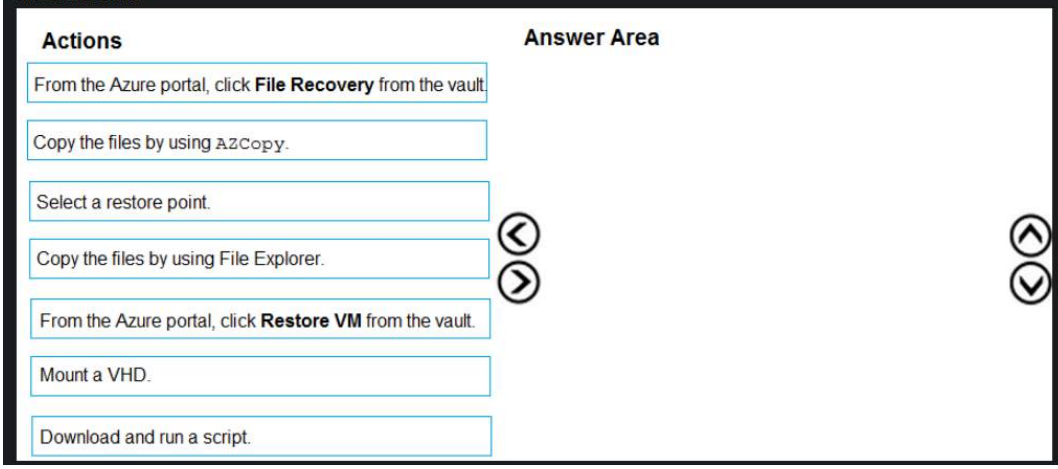
HOTSPOT -
You purchase a new Azure subscription named Subscription1.
You create a virtual machine named VM1 in Subscription1. VM1 is not protected by Azure Backup.
You need to protect VM1 by using Azure Backup. Backups must be created at 01:00 and stored for 30 days.
What should you do? To answer, select the appropriate options in the answer area,
NOTE: Each correct selection is worth one point.
Hot Area:

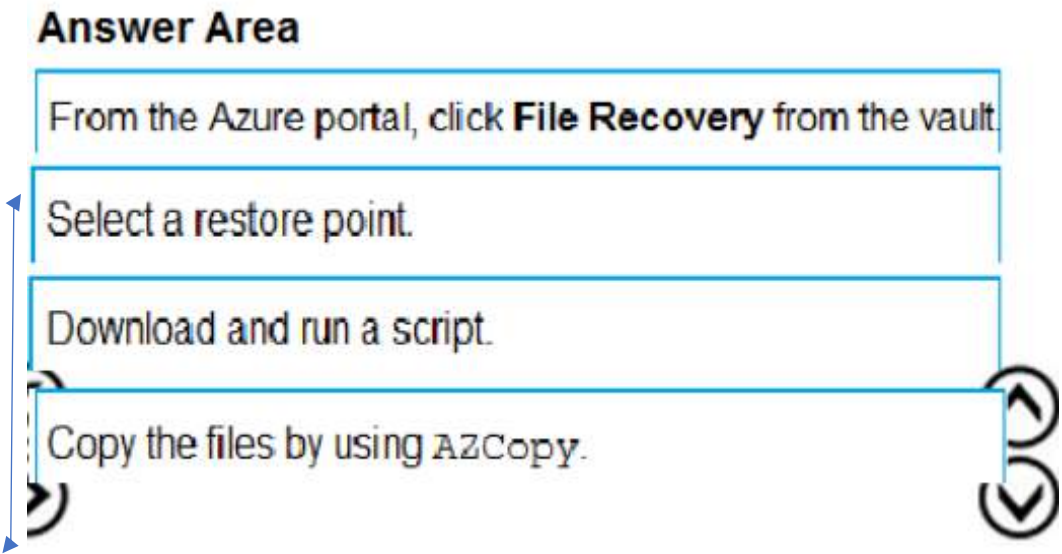


The Answer is

Q9:

DRAG DROP -
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.
Select and Place:





The Answer is

Q10:

You have an Azure virtual machine named VM1 that you use for testing. VM1 is protected by Azure Backup.
You delete VM1.
You need to remove the backup data stored for VM1.
What should you do first?

A. Delete the Recovery Services vault.
B. Delete the storage account.
C. Stop the backup
D. Modify the backup policy.

The Answer is **C**

Q11:

You have an Azure subscription that contains 100 virtual machines.
You regularly create and delete virtual machines.
You need to identify unattached disks that can be deleted.
What should you do?

A. From Microsoft Azure Storage Explorer, view the Account Management properties.

B. From the Azure portal, configure the Advisor recommendations.

C. From Azure Cost Management, view Advisor Recommendations.

D. From Azure Cost Management, view Cost Analysis.

The Answer is **A**

Q12:

You have an Azure virtual machine named VM1.
Azure collects events from VM1.
You are creating an alert rule in Azure Monitor to notify an administrator when an error is logged in the System event log of VM1.
You need to specify which resource type to monitor.
What should you specify?

A. metric alert

B. Azure Log Analytics workspace

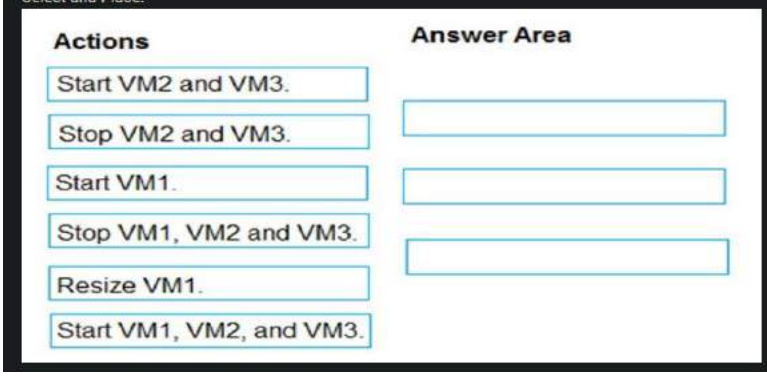
C. virtual machine

D. virtual machine extension

The Answer is **B**

Q13:

DRAG DROP -
You have an availability set named AS1 that contains three virtual machines named VM1, VM2, and VM3.
You attempt to reconfigure VM1 to use a larger size. The operation fails and you receive an allocation failure message.
You need to ensure that the resize operation succeeds.
Which three 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.
Select and Place:



The Answer is **Stop VM1, VM2, VM3, Resize VM1, Start VM1, VM2 & VM3**

Q14:

You plan to back up an Azure virtual machine named VM1.
You discover that the Backup Pre-Check status displays a status of Warning.
What is a possible cause of the Warning status?

A. VM1 is stopped.

B. VM1 does not have the latest version of WaAppAgent.exe installed.

C. VM1 has an unmanaged disk.

D. A Recovery Services vault is unavailable.

The Answer is **B**

Q15:

You have an Azure subscription named Subscription1 that is used by several departments at your company. Subscription1 contains the resources in the following table.

Name	Type
storage1	Storage account
RG1	Resource group
Container1	Blob container
Share1	File share

Another administrator deploys a virtual machine named VM1 and an Azure Storage account named Storage2 by using a single Azure Resource Manager template.
You need to view the template used for the deployment.
From which blade can you view the template that was used for the deployment?

A. Container1

B. RG1

C. VM1

D. Storage2

The Answer is **B**

Q16:

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 machine	West US
VNET2	Virtual machine	East Asia

VM1 connects to VNET1.
You need to connect VM1 to VNET2.
Solution: You delete VM1. You recreate VM1, and then you create a new network interface for VM1.
Does this meet the goal?

A. Yes

B. No

The Answer is **Yes**

Q17:

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 subscription.
Does this meet the goal?

A. Yes

B. No

The Answer is **B**

Q18:

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 Redeploy blade, you click Redeploy.
Does this meet the goal?

A. Yes

B. No

The Answer is **A**

Q19:

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

The Answer is **B**

Q20:

You download an Azure Resource Manager template based on an existing virtual machine. The template will be used to deploy 100 virtual machines.
You need to modify the template to reference an administrative password. You must prevent the password from being stored in plain text.
What should you create to store the password?

A. an Azure Key Vault and an access policy

B. a Recovery Services vault and a backup policy

C. Azure Active Directory (AD) Identity Protection and an Azure policy

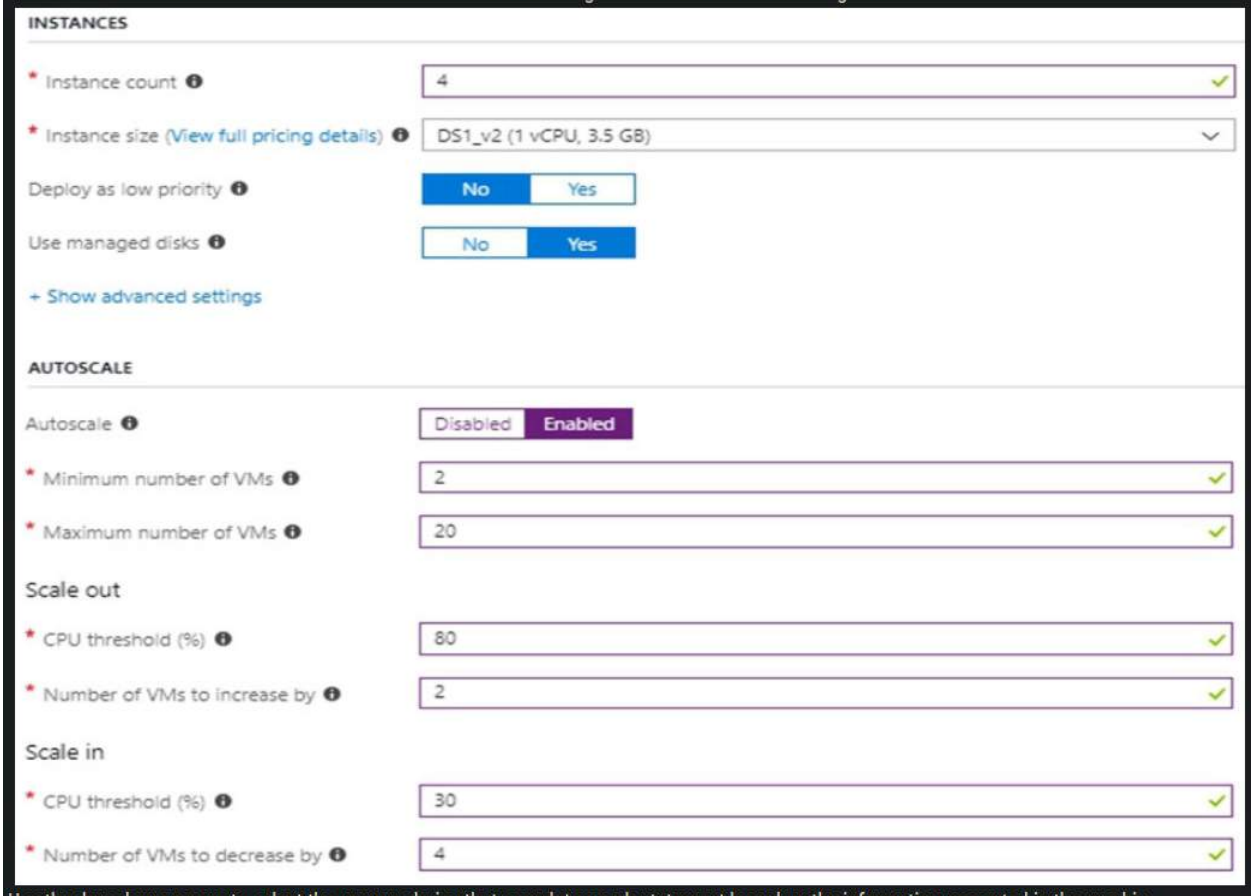
D. an Azure Storage account and an access policy

The Answer is **A**

Q21:

HOTSPOT -

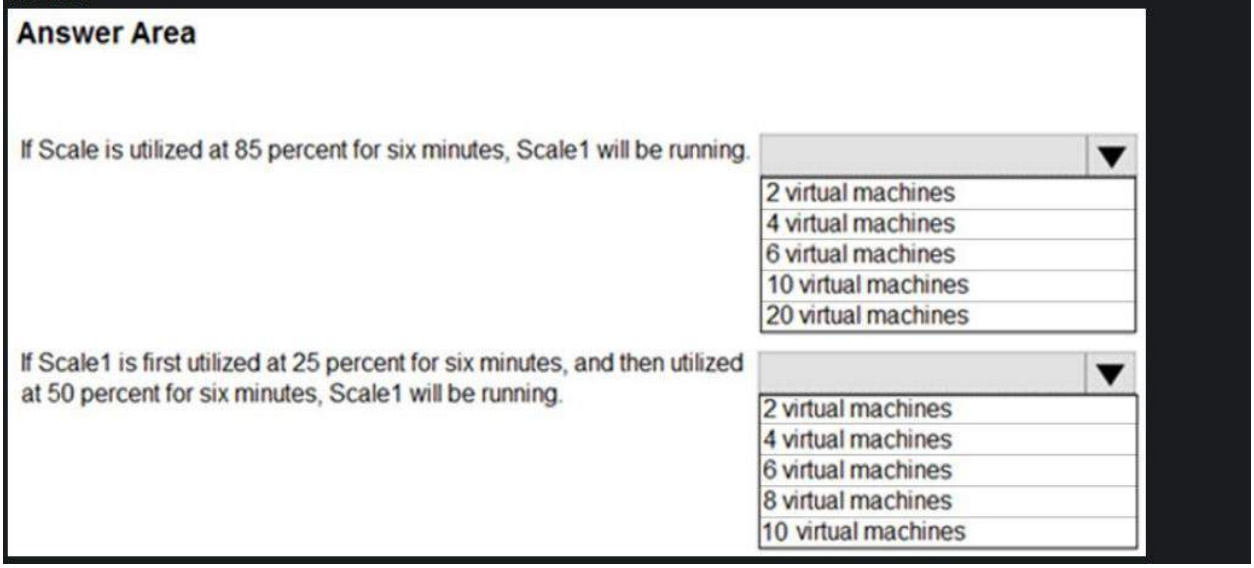
You create a virtual machine scale set named Scale1. Scale1 is configured as shown in the following exhibit.



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.

Hot Area:



The Answer is **6 VMs and 2 VMs**

Q22:

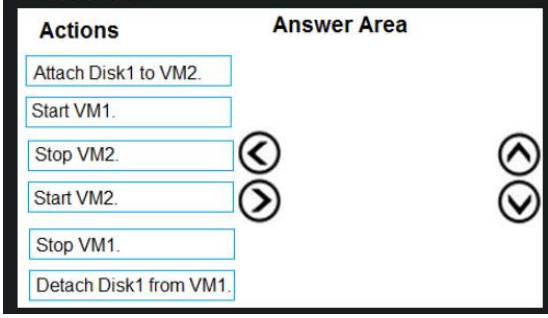
DRAG DROP -

You have two Azure virtual machines named VM1 and VM2. VM1 has a single data disk named Disk1.

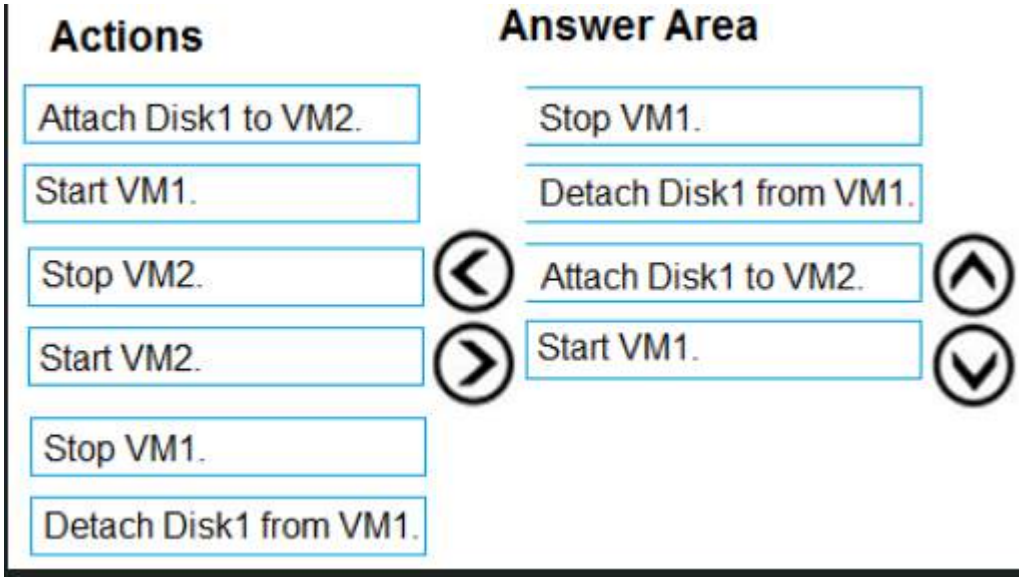
You need to attach Disk1 to VM2. The solution must minimize downtime for both virtual machines.

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.

Select and Place:



The Answer is



Q23:

HOTSPOT -

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

Name	Type
RG1	Resource group
RG2	Resource group
VNet1	Virtual network
VNet2	Virtual network

VNet1 is in RG1. VNet2 is in RG2. There is no connectivity between VNet1 and VNet2.

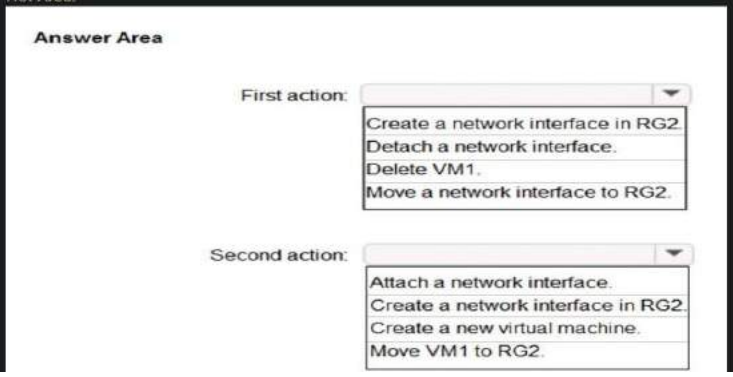
An administrator named Admin1 creates an Azure virtual machine named VM1 in RG1. VM1 uses a disk named Disk1 and connects to VNet1. Admin1 then installs a custom application in VM1.

You need to move the custom application to VNet2. The solution must minimize administrative effort.

Which two actions should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



The Answer is **Delete VM1 and Create a new VM**

Q24:

HOTSPOT -
You are creating an Azure load balancer.
You need to add an IPv6 load balancing rule to the load balancer.
How should you complete the Azure PowerShell script? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

```
$rule1 = [Add-AzureRmLoadBalancerRuleConfig | New-AzureRmLoadBalancerInboundNatRuleConfig | New-AzureRmLoadBalancerRuleConfig | Set-AzureRmLoadBalancerRuleConfig] -Name "HTTPv6" -FrontendIpConfiguration $FEConfigv6
-BackendAddressPool $backpoolipv6 -Probe $Probe -Protocol Tcp -FrontendPort 80 -BackendPort 8080

New-AzureRmLoadBalancer -ResourceGroupName AdatumRG -Name 'AdatumIPv6LB' -Location 'East US' -
FrontendIpConfiguration $FEConfigv6
-BackendAddressPool $backpoolipv6 -Probe $Probe [-InboundNatPool | -InboundNatRule | -LoadBalancingRule] $rule1
```

The Answer is **New-AzLoadBalancerRuleConfig and -LoadBalancingRule**

Q25:

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 www that has an IP address of 131.107.1.10.
You discover that Internet hosts are unable to resolve www.contoso.com to the 131.107.1.10 IP address.
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

The Answer is **B**

Q26:

You have a public load balancer that balances ports 80 and 443 across three virtual machines.
You need to direct all the Remote Desktop Protocol (RDP) connections to VM3 only.
What should you configure?

A. an inbound NAT rule
B. a load balancing rule
C. a new public load balancer for VM3
D. a frontend IP configuration

The Answer is **A**

Q27:

You have an Azure subscription that contains three virtual networks named VNet1, VNet2, and VNet3. VNet2 contains a virtual appliance named VM2 that operates as a router.
You are configuring the virtual networks in a hub and spoke topology that uses VNet2 as the hub network.
You plan to configure peering between VNet1 and Vnet2 and between VNet2 and VNet3.
You need to provide connectivity between VNet1 and VNet3 through VNet2.
Which two configurations should you perform? Each correct answer presents part of the solution.

A. On the peering connections, use remote gateways.
B. On the peering connections, allow forwarded traffic.
C. On the peering connections, allow gateway transit.
D. Create route tables and assign the table to subnets.
E. Create a route filter.

The Answer is **B & D**

Q28:

You have an Azure subscription named Subscription1 that contains an Azure virtual network named VNet1. VNet1 connects to your on-premises network by using Azure ExpressRoute.
You need to connect VNet1 to the on-premises network by using a site-to-site VPN. The solution must minimize cost.
Which three actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Create a gateway subnet.
B. Create a VPN gateway that uses the Basic SKU.
C. Create a connection.
D. Create a local site VPN gateway.
E. Create a VPN gateway that uses the VpnGw1 SKU.

The Answer is **C D E**

Q29:

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 www that has an IP address of 131.107.1.10.
You discover that Internet hosts are unable to resolve www.contoso.com to the 131.107.1.10 IP address.
You need to resolve the name resolution issue.
Solution: You modify the name servers at the domain registrar.
Does this meet the goal?

A. Yes
B. No

The Answer is **No** – You need to add or modify NS Record and not Name Server Record.

Q30:

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 www that has an IP address of 131.107.1.10.
You discover that Internet hosts are unable to resolve www.contoso.com to the 131.107.1.10 IP address.
You need to resolve the name resolution issue.
Solution: You modify the SOA record in the contoso.com zone.
Does this meet the goal?

A. Yes
B. No

The Answer is **No**

Q31:

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 www that has an IP address of 131.107.1.10.
You discover that Internet hosts are unable to resolve www.contoso.com to the 131.107.1.10 IP address.
You need to resolve the name resolution issue.
Solution: You add an NS record to the contoso.com Azure DNS zone.
Does this meet the goal?

A. Yes

B. No

The Answer is **No**

Q32:

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. NSG flow logs in Azure Network Watcher

B. Metrics in Application Gateway

C. Connection monitor in Azure Network Watcher

D. Diagnostics logs in Application Gateway

The Answer is **B**

Q33:

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 VM1 to Subscription2.

B. Modify the IP address space of VNet2.

C. Provision virtual network gateways.

D. Move VNet1 to Subscription2.

The Answer is **C**

Q34:

DRAG DROP -

You have an Azure subscription that contains two virtual networks named VNet1 and VNet2. Virtual machines connect to the virtual networks.

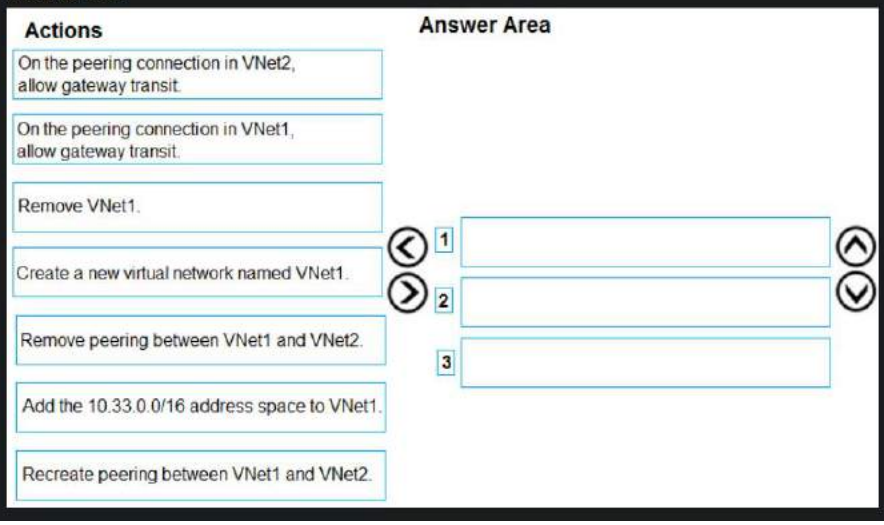
The virtual networks have the address spaces and the subnets configured as shown in the following table.

Virtual network	Address space	Subnet	Peering
VNet1	10.1.0.0/16	10.1.0.0/24 10.1.1.0/26	VNet2
VNet2	10.2.0.0/16	10.2.0.0/24	VNet1

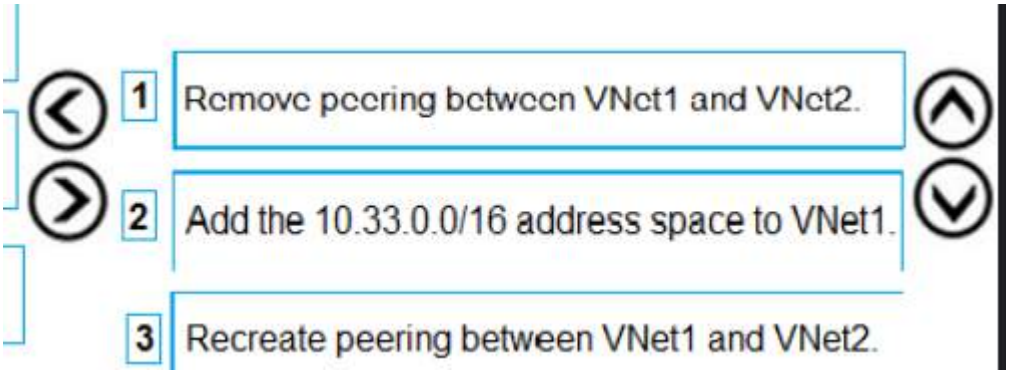
You need to add the address space of 10.33.0.0/16 to VNet1. The solution must ensure that the hosts on VNet1 and VNet2 can communicate.

Which three 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.

Select and Place:



The Answer is



Q35:

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 VNet2 and VNet3 only

C. the subnets on VNet1, VNet2, and VNet3

D. the subnets on VNet1 only

E. the subnets on VNet3 only

The Answer is **E**

Q36:

HOTSPOT -

You have an Azure virtual machine named VM1 that connects to a virtual network named VNet1. VM1 has the following configurations:

- Subnet 10.0.0.0/24
- Availability set: AVSet
- Network security group (NSG): None

Private IP address: 10.0.0.4 (dynamic)

- Public IP address: 40.90.219.6 (dynamic)

You deploy a standard, Internet-facing load balancer named slb1.

You need to configure slb1 to allow connectivity to VM1.

Which changes should you apply to VM1 as you configure slb1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Before you create a backend pool on slb1, you must:

- Create and assign an NSG to VM1
- Remove the public IP address from VM1
- Change the private IP address of VM1 to static

Before you can connect to VM1 from slb1, you must:

- Create and configure an NSG
- Remove the public IP address from VM1
- Change the private IP address of VM1 to static

The Answer is

Q37:

You have five Azure virtual machines that run Windows Server 2016. The virtual machines are configured as web servers.

You have an Azure load balancer named LB1 that provides load balancing services for the virtual machines.

You need to ensure that visitors are serviced by the same web server for each request.

What should you configure?

A. Protocol to UDP

B. Session persistence to None

C. Session persistence to Client IP

D. Idle Time-out (minutes) to 20

The Answer is **C**

Q38:

You have the Azure virtual networks shown in the following table.

Name	Address space	Subnet	Resource group Azure region
VNet1	10.11.0.0/16	10.11.0.0/17	West US
VNet2	10.11.0.0/17	10.11.0.0/25	West US
VNet3	10.10.0.0/22	10.10.1.0/24	East US
VNet4	192.168.16.0/22	192.168.16.0/24	North Europe

To which virtual networks can you establish a peering connection from VNet1?

A. VNet2 and VNet3 only

B. VNet2 only

C. VNet3 and VNet4 only

D. VNet2, VNet3, and VNet4

The Answer is **C**

Q39:

HOTSPOT -

You have an Azure subscription named Subscription1. Subscription1 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

Subscription1 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.

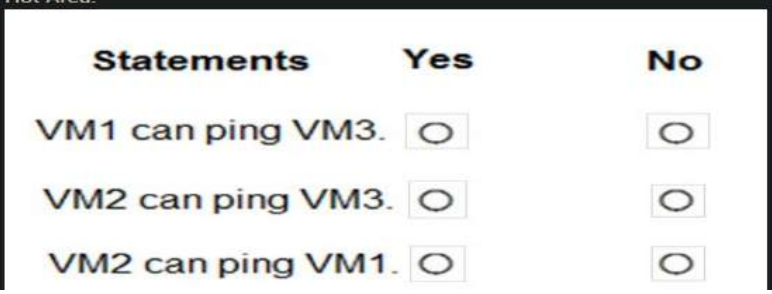
You add the peerings in the following table.

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.

Hot Area:



The Answer is **Yes No No**

Q40:

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: You create a resource lock, and then you assign the lock to the subscription.
Does this meet the goal?

A. Yes

B. No

The Answer is **No**

Q41:

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: You configure a custom policy definition, and then you assign the policy to the subscription.
Does this meet the goal?

A. Yes

B. No

The Answer is **Yes**

Q42:

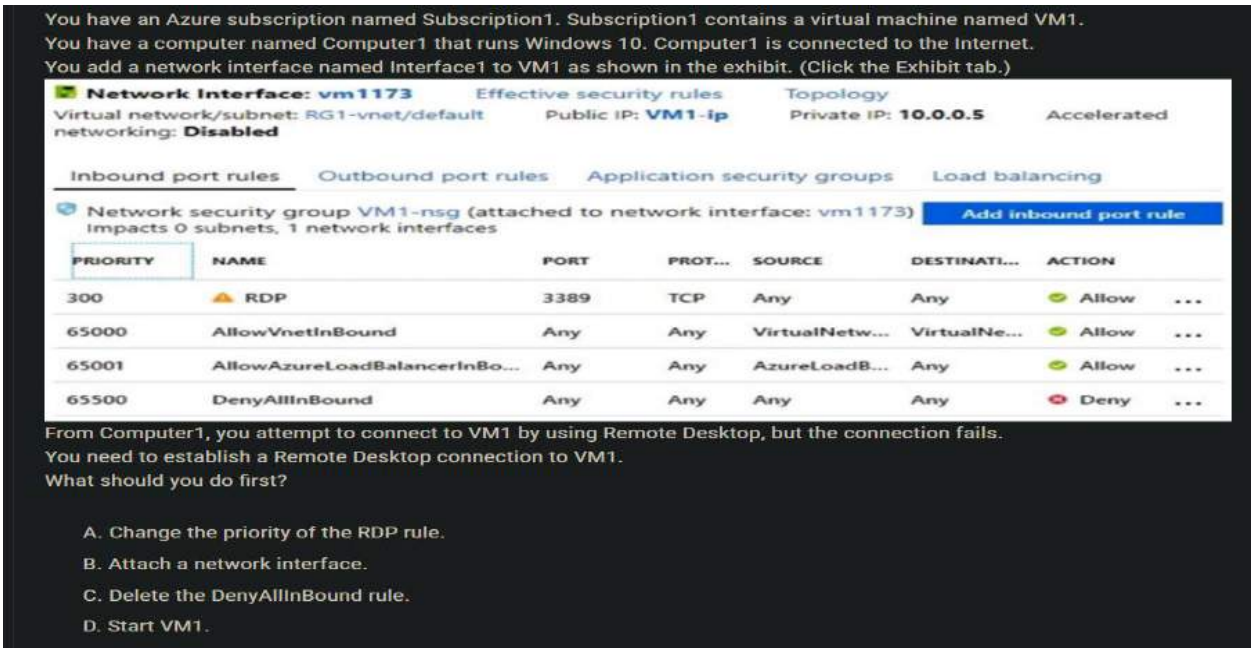
You have an Azure subscription that contains 10 virtual networks. The virtual networks are hosted in separate resource groups.
Another administrator plans to create several network security groups (NSGs) in the subscription.
You need to ensure that when an NSG is created, it automatically blocks TCP 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

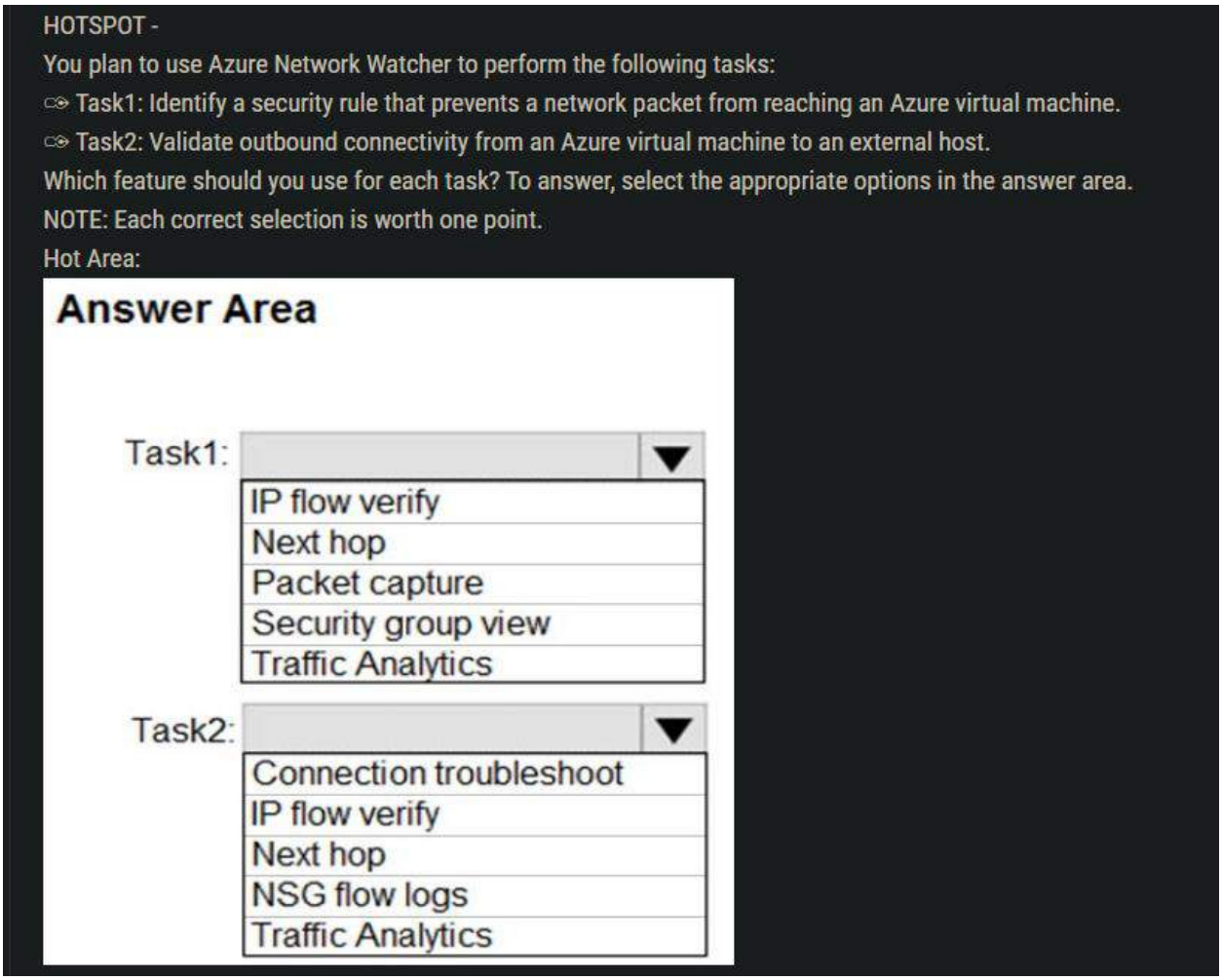
The Answer is **No**

Q43:



The Answer is **D**

Q44:



The Answer is **IP Flow Verify & Connection troubleshoot**

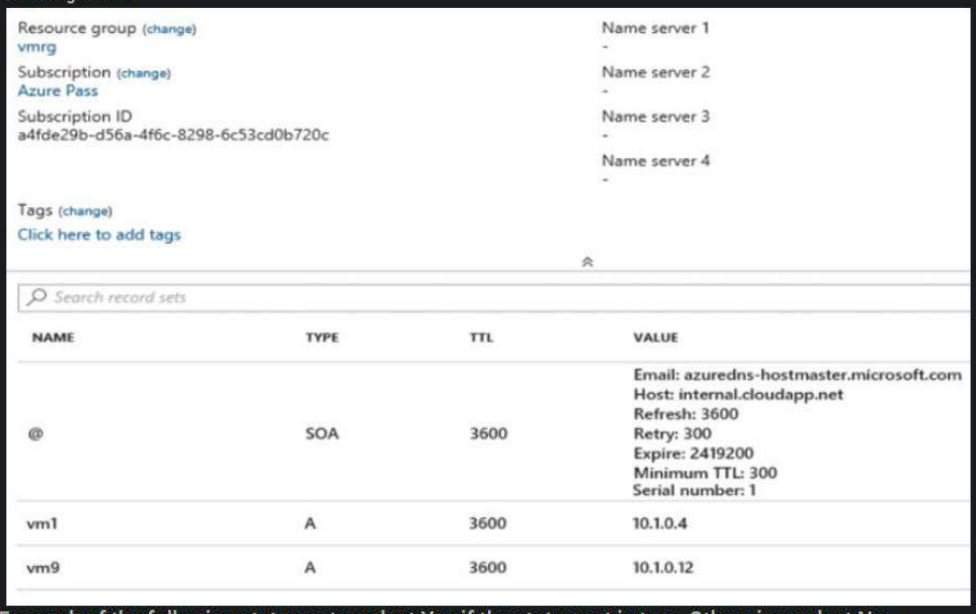
Q45:

HOTSPOT -

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

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

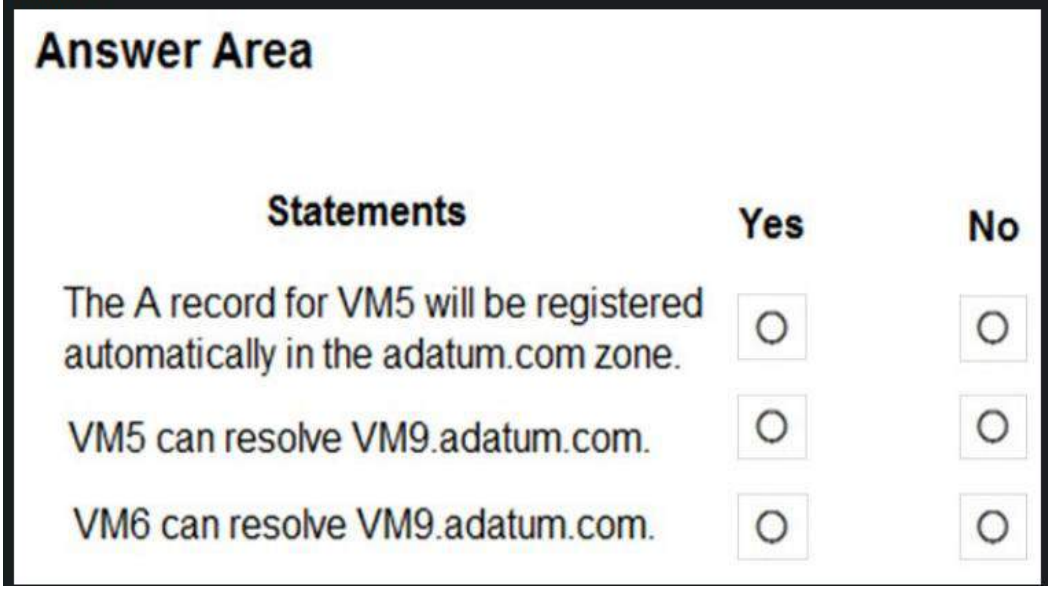
In Azure, you create a private DNS zone named adatum.com. You set the registration virtual networks to VNet2. The adatum.com zone is configured as shown in the following exhibit.



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:

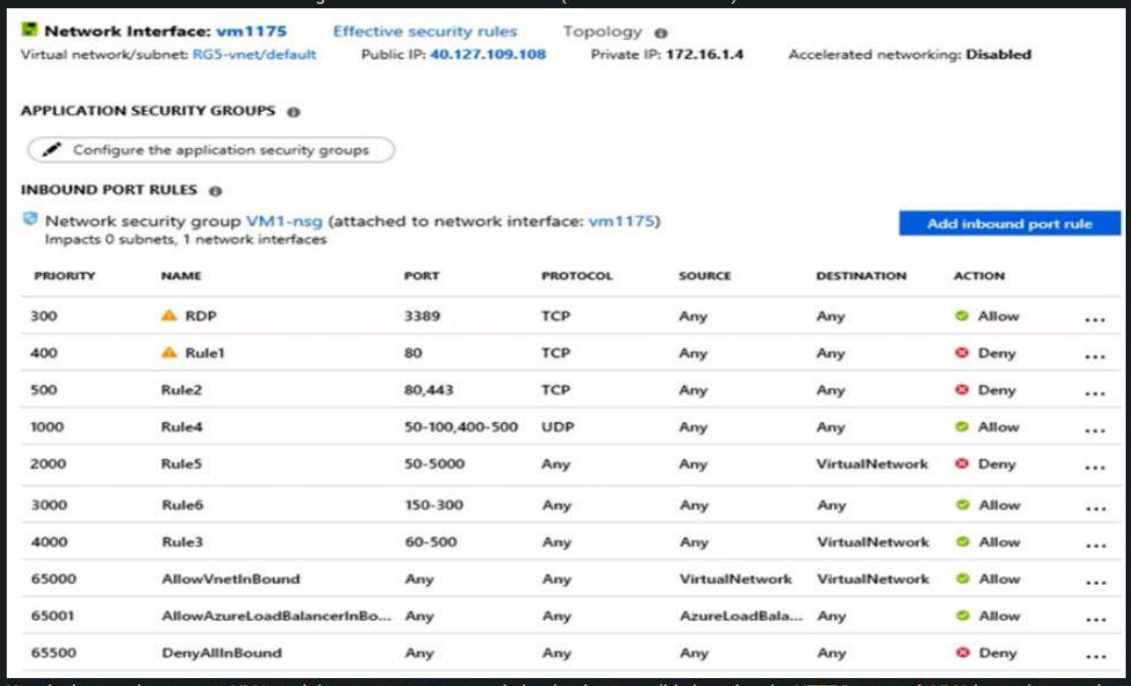


The Answer is **No No Yes**

Q46:

You have an Azure virtual machine named VM1.

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



Network Interface: vm1175 Effective security rules Topology

Virtual network/subnet: RG5-vnet/default Public IP: 40.127.109.108 Private IP: 172.16.1.4 Accelerated networking: Disabled

APPLICATION SECURITY GROUPS

Configure the application security groups

INBOUND PORT RULES

Network security group VM1-nsg (attached to network interface: vm1175)
Impacts 0 subnets, 1 network interfaces

Add inbound port rule

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION
300	RDP	3389	TCP	Any	Any	Allow
400	Rule1	80	TCP	Any	Any	Deny
500	Rule2	80,443	TCP	Any	Any	Deny
1000	Rule4	50-100,400-500	UDP	Any	Any	Allow
2000	Rule5	50-5000	Any	Any	VirtualNetwork	Deny
3000	Rule6	150-300	Any	Any	Any	Allow
4000	Rule3	60-500	Any	Any	VirtualNetwork	Allow
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerInBo...	Any	Any	AzureLoadBala...	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny

You deploy a web server on VM1, and then create 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. Create a new inbound rule that allows TCP protocol 443 and configure the protocol to have a priority of 501.

B. For Rule5, change the Action to Allow and change the priority to 401.

C. Delete Rule1.

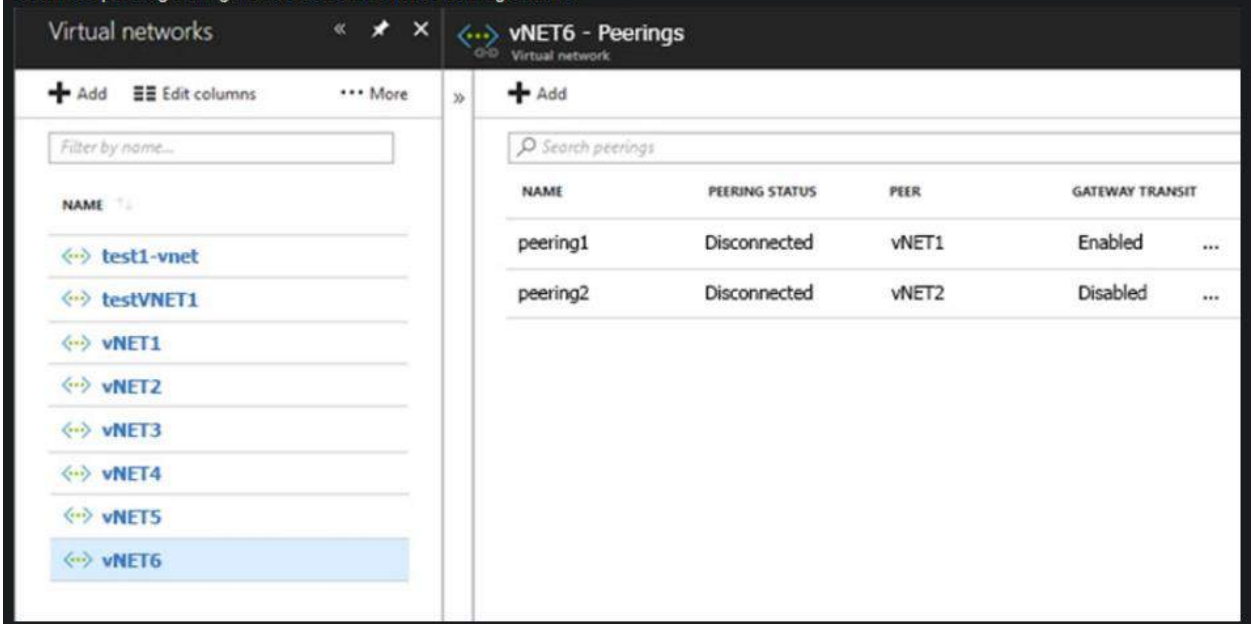
D. Modify the protocol of Rule4.

The Answer is **B**

Q47:

HOTSPOT -

You have peering configured as shown in the following exhibit.



Virtual networks

Add Edit columns More

Filter by name...

NAME

test1-vnet
testVNET1
vNET1
vNET2
vNET3
vNET4
vNET5
vNET6

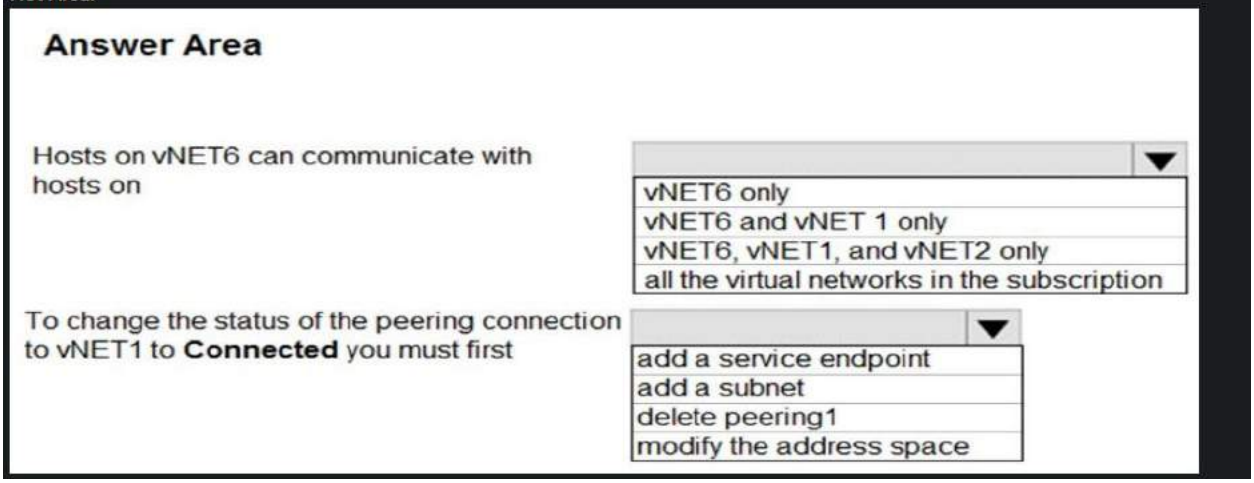
vNET6 - Peerings
Virtual network

Add

Search peerings

NAME	PEERING STATUS	PEER	GATEWAY TRANSIT
peering1	Disconnected	vNET1	Enabled
peering2	Disconnected	vNET2	Disabled

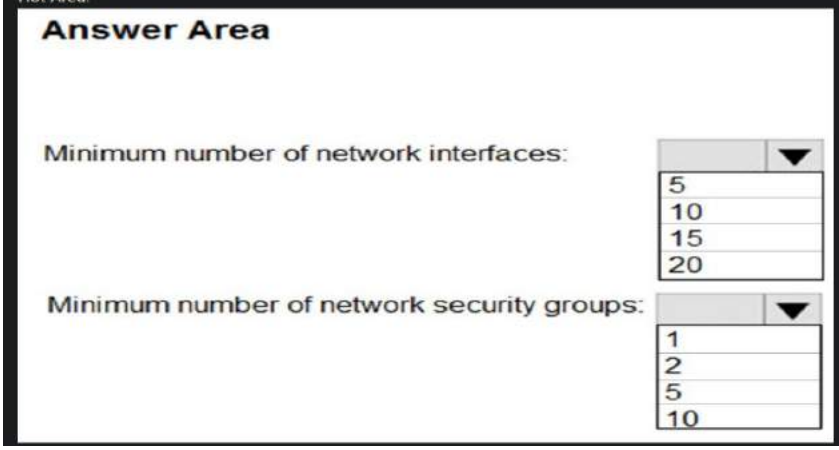
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.
Hot Area:



The Answer is **vNET6 Only and Delete peering1**

Q48:

HOTSPOT -
You plan to deploy five virtual machines to a virtual network subnet.
Each virtual machine will have a public IP address and a private IP address.
Each virtual machine requires the same inbound and outbound security rules.
What is the minimum number of network interfaces and network security groups that you require? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:



The Answer is **5 & 1**

Q49:

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

Name	Region
RG1	East Asia
RG2	East US

In RG1, you create a virtual machine named VM1 in the East Asia location.
You plan to create a virtual network named VNET1.
You need to create VNET1, and then connect VM1 to VNET1.
What are two possible ways to achieve this goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Create VNET1 in RG2, and then set East Asia as the location.
B. Create VNET1 in a new resource group in the West US location, and then set West US as the location.
C. Create VNET1 in RG1, and then set East US as the location.
D. Create VNET1 in RG2, and then set East US as the location.
E. Create VNET1 in RG1, and then set East Asia as the location.

The Answer is **A & C**

Q50:

You have an Azure subscription that contains a virtual network named VNet1. VNet1 contains four subnets named Gateway, Perimeter, NVA, and Production.
The NVA subnet contains two network virtual appliances (NVAs) that will perform network traffic inspection between the Perimeter subnet and the Production subnet.
You need to implement an Azure load balancer for the NVAs. The solution must meet the following requirements:
- The NVAs must run in an active-active configuration that uses automatic failover.
- The NVAs must load balance traffic to two services on the Production subnet. The services have different IP addresses.

Which three actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Add two load balancing rules that have HA Ports enabled and Floating IP disabled.
B. Add a frontend IP configuration, two backend pools, and a health probe.
C. Add two load balancing rules that have HA Ports and Floating IP enabled.
D. Deploy a standard load balancer.
E. Deploy a basic load balancer.
F. Add a frontend IP configuration a backend pool, and a health probe.

The Answer is **BCD**

Q51:

You have an Azure subscription that contains a virtual network named VNET1. VNET1 contains the subnets shown in the following table.

Name	Connected virtual machines
Subnet1	VM1, VM2
Subnet2	VM3, VM4
Subnet3	VM5, VM6

Each virtual machine uses a static IP address.
You need to create network security groups (NSGs) to meet following requirements:
- Allow web requests from the internet to VM3, VM4, VM5, and VM6.
- Allow all connections between VM1 and VM2.
- Allow Remote Desktop connections to VM1.

Prevent all other network traffic to VNET1.

What is the minimum number of NSGs you should create?

A. 1
B. 3
C. 4
D. 12

The Answer is **A**

Q52:

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: You export the client certificate from Computer1 and install the certificate on Computer2.
Does this meet the goal?

A. Yes
B. No

The Answer is **A**

Q53:

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

The Answer is **B**

Q54:

You have an Azure subscription named Subscription1 that contains an Azure virtual network named VM1. VM1 is in a resource group named RG1.
VM1 runs services that will be used to deploy resources to RG1.
You need to ensure that a service running on VM1 can manage the resources in RG1 by using the identity of VM1.
What should you do first?

A. From the Azure portal, modify the Access control (IAM) settings of RG1.
B. From the Azure portal, modify the Policies settings of RG1.
C. From the Azure portal, modify the Access control (IAM) settings of VM1.
D. From the Azure portal, modify the value of the Managed Service Identity option for VM1.

The Answer is **D**

Q55:

You manage a virtual network named VNet1 that is hosted in the West US Azure region.
VNet1 hosts two virtual machines named VM1 and VM2 that run Windows Server.
You need to inspect all the network traffic from VM1 to VM2 for a period of three hours.
Solution: From Azure Network Watcher, you create a connection monitor.
Does this meet the goal?

A. Yes
B. No

The Answer is **B**

Q56:

You manage a virtual network named VNet1 that is hosted in the West US Azure region.
VNet1 hosts two virtual machines named VM1 and VM2 that run Windows Server.
You need to inspect all the network traffic from VM1 to VM2 for a period of three hours.
Solution: From Azure Network Watcher, you create a packet capture.
Does this meet the goal?

A. Yes
B. No

The Answer is **A**

Q57:

HOTSPOT -

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

Name	Subnet
VNet1	Subnet11
VNet2	Subnet12
VNet3	Subnet13

Subscription1 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.	○	○
LB1 can balance the traffic between VM3 and VM4.	○	○
LB1 can balance the traffic between VM5 and VM6.	○	○

The Answer is **No No No**

Q58:

You have an Azure subscription named Subscription1 that contains two Azure virtual networks named VNet1 and VNet2. VNet1 contains a VPN gateway named VPNGW1 that uses static routing. There is a site-to-site VPN connection between your on-premises network and VNet1.

On a computer named Client1 that runs Windows 10, you configure a point-to-site VPN connection to VNet1.

You configure virtual network peering between VNet1 and VNet2. You verify that you can connect to VNet2 from the on-premises network. Client1 is unable to connect to VNet2.

You need to ensure that you can connect Client1 to VNet2.

What should you do?

A. Select Allow gateway transit on VNet2.

B. Enable BGP on VPNGW1.

C. Select Allow gateway transit on VNet1.

D. Download and re-install the VPN client configuration package on Client1.

The Answer is **D**

Q59:

You manage a virtual network named VNet1 that is hosted in the West US Azure region.
VNet1 hosts two virtual machines named VM1 and VM2 that run Windows Server.
You need to inspect all the network traffic from VM1 to VM2 for a period of three hours.
Solution: From Performance Monitor, you create a Data Collector Set (DCS).
Does this meet the goal?

A. Yes

B. No

The Answer is **No**

Q60:

HOTSPOT -
You have a virtual network named VNet1 that has the configuration shown in the following exhibit.

```
PS C:\> Get-AzureRmVirtualNetwork -Name Vnet1 -ResourceGroupName Production


Name                   : VNet1
ResourceGroupName      : Production
Location               : westus
Id                     : /subscriptions/14d26092-8e42-4ea7-b770-9dcef70fb1ea/resourceGroups/Production/providers/Micros
                         oft.Network/virtualNetworks/VNet1
Etag                   : W/"76f7edd6-d022-455b-aeae-376059318e5d"
ResourceGuid           : 562696cc-b2ba-4cc5-9619-0a735d6c34c7
ProvisioningState      : Succeeded
Tags                   :
AddressSpace           : {
                           "AddressPrefixes": [
                             "10.2.0.0/16"
                           ]
                         }
DhcpOptions            : {}
Subnets                : [
                           {
                             "Name": "default",
                             "Etag": "W/\"76f7edd6-d022-455b-aeae-376059318e5d\"",
                             "Id": "/subscriptions/14d26092-8e42-4ea7-b770-9dcef70fb1ea/resourceGroups/Production/provi
                         ders/Microsoft.Network/virtualNetworks/VNet1/subnets/default",
                             "AddressPrefix": "10.2.0.0/24",
                             "IpConfigurations": [],
                             "ResourceNavigationLinks": [],
                             "ServiceEndpoints": [],
                             "ProvisioningState": "Succeeded"
                           }
                         ]
VirtualNetworkPeerings : []
EnableDDoSProtection   : false
EnableVmProtection     : false
```

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.
Hot Area:

Answer Area

Before a virtual machine on VNet1 can receive an IP address from 192.168.1.0/24, you must first

- add a network interface
- add a subnet
- add an address space
- delete a subnet
- delete an address space

Before a virtual machine on VNet1 can receive an IP address from 10.2.1.0/24, you must first

- add a network interface
- add a subnet
- add an address space
- delete a subnet
- delete an address space

The Answer is

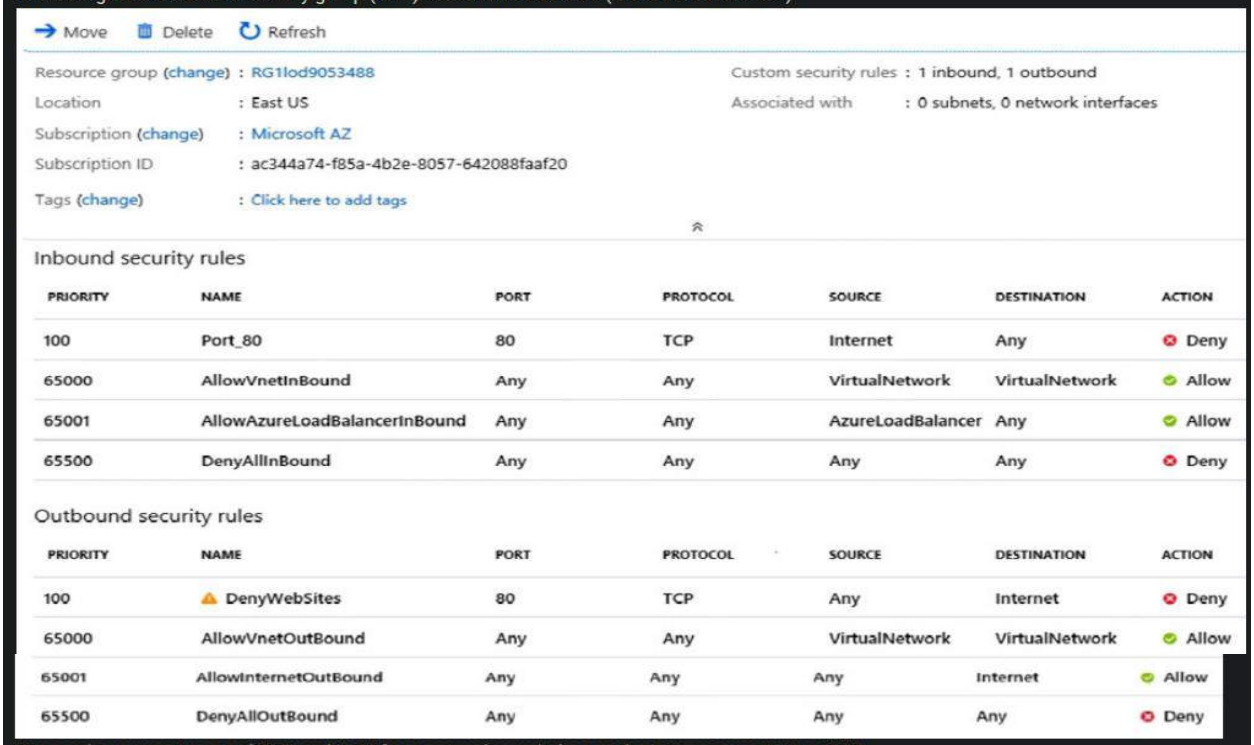
Q61:

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

Name	Type	Details
VNet1	Virtual network	*Not applicable*
Subnet1	Subnet	Hosted on VNet1
VM1	Virtual machine	On Subnet1
VM2	Virtual machine	On Subnet1

VM1 and VM2 are deployed from the same template and host line-of-business applications accessed by using Remote Desktop.

You configure the network security group (NSG) shown in the exhibit. (Click the Exhibit tab.)



You need to prevent users of VM1 and VM2 from accessing websites on the Internet over TCP port 80.

What should you do?

A. Change the DenyWebSites outbound security rule.

B. Change the Port_80 inbound security rule.

C. Disassociate the NSG from a network interface.

D. Associate the NSG to Subnet1.

The Answer is **D**

Q62:

HOTSPOT -

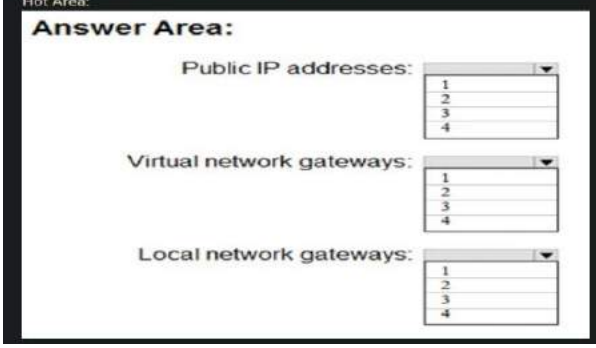
You have an on-premises data center and an Azure subscription. The data center contains two VPN devices. The subscription contains an Azure virtual network named VNet1. VNet1 contains a gateway subnet.

You need to create a site-to-site VPN. The solution must ensure that is a single instance of an Azure VPN gateway fails, or a single on-premises VPN device fails, the failure will not cause an interruption that is longer than two minutes.

What is the minimum number of public IP addresses, virtual network gateways, and local network gateways required in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



The Answer is **4 2 2**

Q63:

You have two Azure virtual networks named VNet1 and VNet2. VNet1 contains an Azure virtual machine named VM1. VNet2 contains an Azure virtual machine named VM2.

VM1 hosts a frontend application that connects to VM2 to retrieve data.

Users report that the frontend application is slower than usual.

You need to view the average round-trip time (RTT) of the packets from VM1 to VM2.

Which Azure Network Watcher feature should you use?

A. IP flow verify

B. Connection monitor

C. NSG flow logs

D. Connection troubleshoot

The Answer is **B**

Q64:

HOTSPOT -

Your company has offices in New York and Los Angeles.

You have an Azure subscription that contains an Azure virtual network named VNet1. Each office has a site-to-site VPN connection to VNet1.

Each network uses the address spaces shown in the following table.

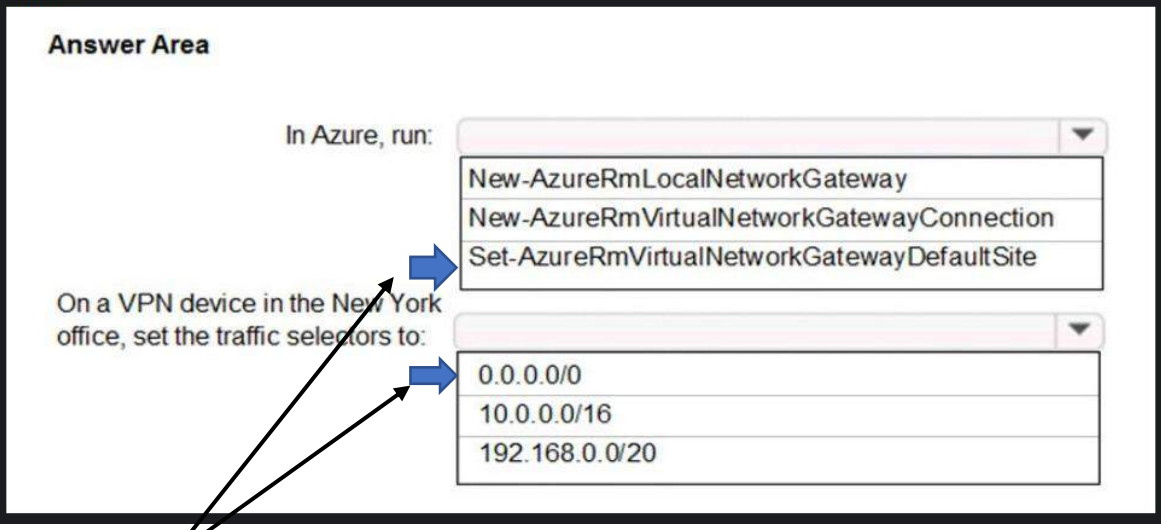
Location	IP address space
VNet1	192.168.0.0/20
New York	10.0.0.0/16
Los Angeles	10.10.0.0/16

You need to ensure that all Internet-bound traffic from VNet1 is routed through the New York office.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



The Answer is

Q65:

DRAG DROP -

You have an on-premises network that you plan to connect to Azure by using a site-to-site VPN.

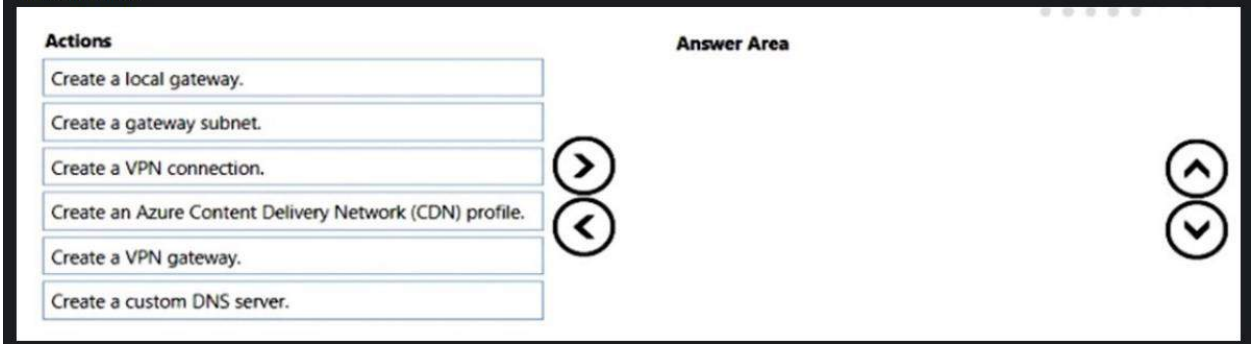
In Azure, you have an Azure virtual network named VNet1 that uses an address space of 10.0.0.0/16. VNet1 contains a subnet named Subnet1 that uses an address space of 10.0.0.0/24.

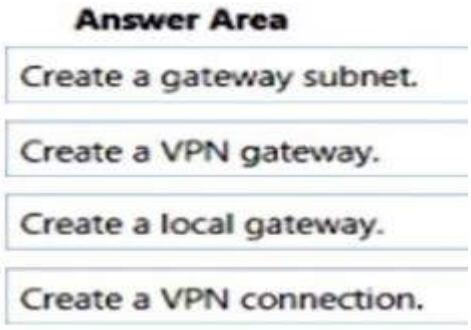
You need to create a site-to-site VPN to Azure.

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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:





The Answer is

Q66:

HOTSPOT -

You have an Azure subscription that contains a virtual network named VNet1. VNet1 uses an IP address space of 10.0.0.0/16 and contains the subnets in the following table.

Name	IP address range
Subnet0	10.0.0.0/24
Subnet1	10.0.1.0/24
Subnet2	10.0.2.0/24
GatewaySubnet	10.0.254.0/24

Subnet1 contains a virtual appliance named VM1 that operates as a router.

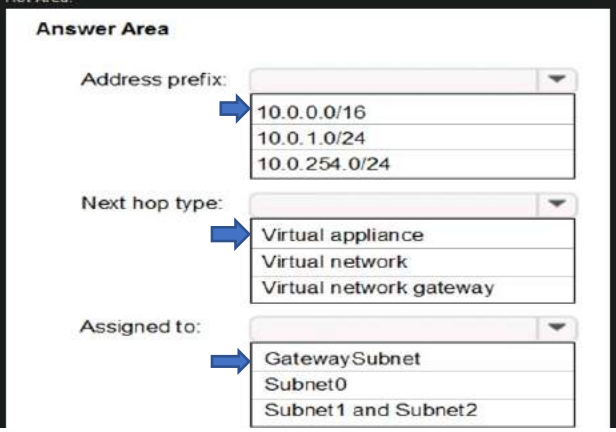
You create a routing table named RT1.

You need to route all inbound traffic from the VPN gateway to VNet1 through VM1.

How should you configure RT1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



The Answer as above

Q67:

You have a virtual network named VNet1 as shown in the exhibit. (Click the Exhibit tab.)

No devices are connected to VNet1.

You plan to peer VNet1 to another virtual network named VNet2 in the same region. VNet2 has an address space of 10.2.0.0/16.

You need to create the peering.

What should you do first?

A. Create a subnet on VNet1 and VNet2.

B. Add a gateway subnet to VNet1.

C. Modify the address space of VNet1.

D. Configure a service endpoint on VNet2.

The Answer is **C**

Q68:

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

Name	Type	Resource group
VNET1	Virtual network	RG1
VM1	Virtual machine	RG1

The Not allowed resource types Azure policy is assigned to RG1 and uses the following parameters:

Microsoft.Network/virtualNetworks

Microsoft.Compute/virtualMachines

In RG1, you need to create a new virtual machine named V2, and then connect VM2 to VNET1.

What should you do first?

A. Remove Microsoft.Network/virtualNetworks from the policy.

B. Create an Azure Resource Manager template.

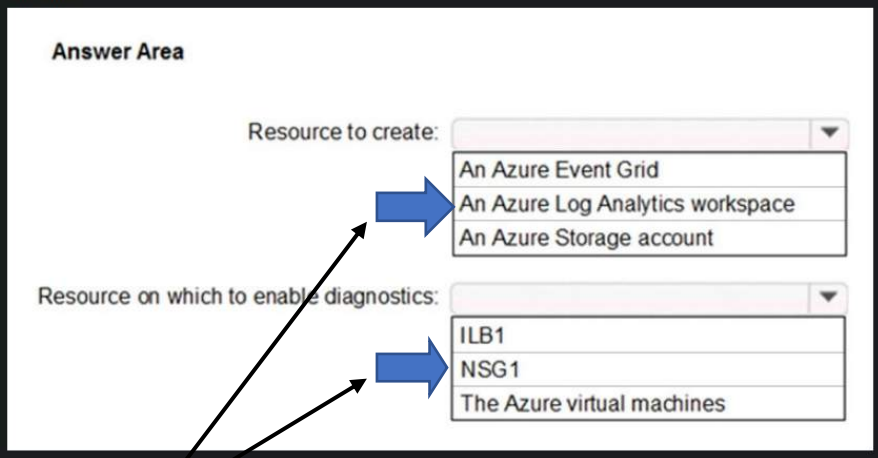
C. Remove Microsoft.Compute/virtualMachines from the policy.

D. Add a subnet to VNET1.

The Answer is **C**

Q69:

HOTSPOT -
You have an Azure virtual network named VNet1 that connects to your on-premises network by using a site-to-site VPN. VNet1 contains one subnet named Subnet1.
Subnet1 is associated to a network security group (NSG) named NSG1. Subnet1 contains a basic internal load balancer named ILB1. ILB1 has three Azure virtual machines in the backend pool.
You need to collect data about the IP addresses that connects to ILB1. You must be able to run interactive queries from the Azure portal against the collected data.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:



The Answer is

Q70:

You have two Azure Active Directory (Azure AD) tenants named contoso.com and fabrikam.com.
You have a Microsoft account that you use to sign in to both tenants.
You need to configure the default sign-in tenant for the Azure portal.
What should you do?

A. From Azure Cloud Shell, run Set-AzureRmSubscription.
B. From Azure Cloud Shell, run Set-AzureRmContext.
C. From the Azure portal, configure the portal settings.
D. From the Azure portal, change the directory.

The Answer is **D**

Q71:

You have an Azure Active Directory (Azure AD) tenant.
All administrators must enter a verification code to access the Azure portal.
You need to ensure that the administrators can access the Azure portal only from your on-premises network.
What should you configure?

A. an Azure AD Identity Protection user risk policy.
B. the multi-factor authentication service settings.
C. the default for all the roles in Azure AD Privileged Identity Management
D. an Azure AD Identity Protection sign-in risk policy

The Answer is **D**

Q72:

You have an Active Directory forest named contoso.com.
You install and configure Azure AD Connect to use password hash synchronization as the single sign-on (SSO) method. Staging mode is enabled.
You review the synchronization results and discover that the Synchronization Service Manager does not display any sync jobs.
You need to ensure that the synchronization completes successfully.
What should you do?

A. Run Azure AD Connect and set the SSO method to Pass-through Authentication.

B. From Synchronization Service Manager, run a full import.

C. From Azure PowerShell, run Start-AdSyncSyncCycle ""PolicyType Initial.

D. Run Azure AD Connect and disable staging mode.

The Answer is **D**

Q73:

You have an Azure Active Directory (Azure AD) tenant named contosocloud.onmicrosoft.com.
Your company has a public DNS zone for contoso.com.
You add contoso.com as a custom domain name to Azure AD.
You need to ensure that Azure can verify the domain name.
Which type of DNS record should you create?

A. SRV

B. PTR

C. RRSIG

D. TXT

The Answer is **D**

Q74:

You sign up for Azure Active Directory (Azure AD) Premium.
You need to add a user named admin1@contoso.com as an administrator on all the computers that will be joined to the Azure AD domain.
What should you configure in Azure AD?

A. Providers from the MFA Server blade

B. Device settings from the Devices blade

C. General settings from the Groups blade

D. User settings from the Users blade

The Answer is **B**

Q75:

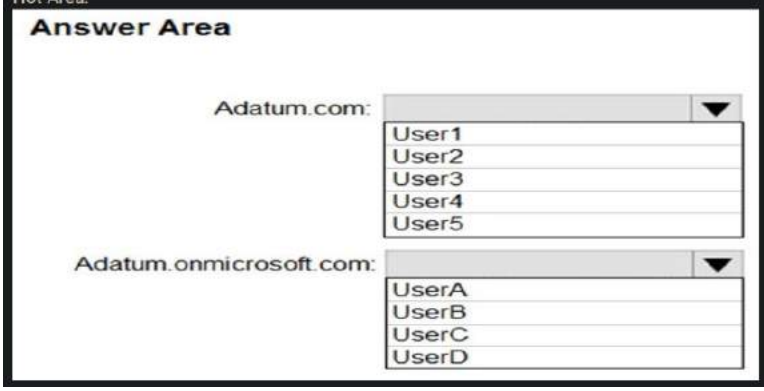
HOTSPOT -
Your network contains an Active Directory domain named adatum.com and an Azure Active Directory (Azure AD) tenant named adatum.onmicorosft.com.
Adatum.com contains the user accounts in the following table.

Name	Member of
User1	Domain Admins
User2	Schema Admins
User3	Incoming Forest Trust Builders
User4	Replicator
User5	Enterprise Admins

Adatum.onmicrosoft.com contains the user accounts in the following table.

Name	Role
UserA	Global administrator
UserB	User administrator
UserC	Security administrator
UserD	Service administrator

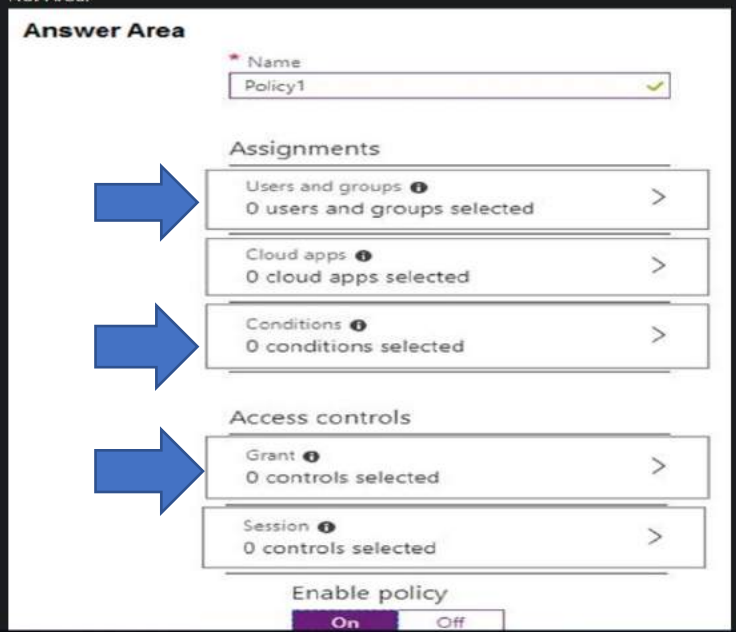
You need to implement Azure AD Connect. The solution must follow the principle of least privilege.
Which user accounts should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:
Hot Area:



The Answer is **User5 and UserA**

Q76:

HOTSPOT -
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 in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:



The Answer as above

Q77:

You have an Azure Active Directory (Azure AD) tenant.
You have an existing Azure AD conditional access policy named Policy1. Policy1 enforces the use of Azure AD-joined devices when members of the Global Administrators group authenticate to Azure AD from untrusted locations.
You need to ensure that members of the Global Administrators group will also be forced to use multi-factor authentication when authenticating from untrusted locations.
What should you do?

A. From the Azure portal, modify session control of Policy1.

B. From the multi-factor authentication page, modify the user settings.

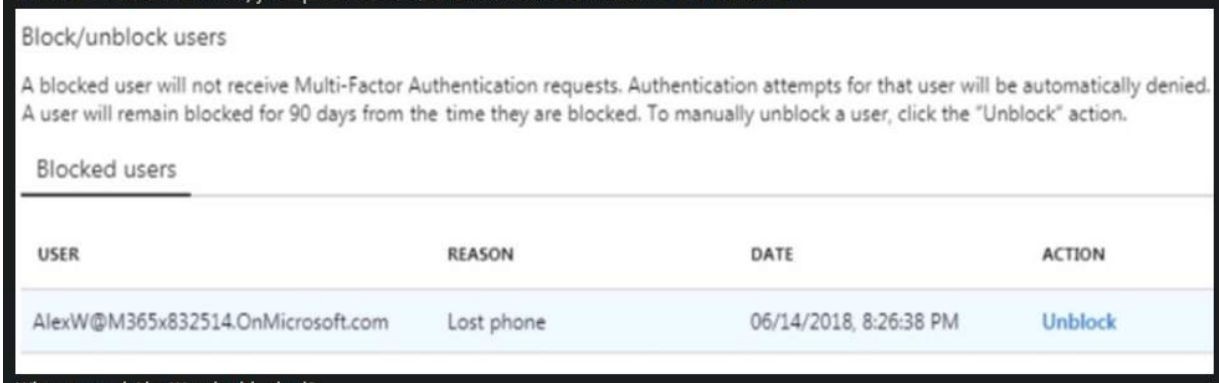
C. From the Azure portal, modify grant control of Policy1.

D. From the multi-factor authentication page, modify the service settings.

The Answer is **C**

Q78:

From the MFA Server blade, you open the Block/unblock users blade as shown in the exhibit.



What caused AlexW to be blocked?

A. The user account password expired.

B. The user entered an incorrect PIN four times within 10 minutes.

C. An administrator manually blocked the user.

D. The user reported a fraud alert when prompted for additional authentication.

The Answer is **C**

Q79:

HOTSPOT -
Your network contains an Active Directory domain named contoso.com that is synced to an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com.
The tenant contains only default domain names.
The domain contains the users shown in the following table.

Name	Distinguished name
User1	CN=User1, DC=Contoso, DC=com
User2	CN=User2, DC=Contoso, DC=com
User3	CN=User3, DC=Contoso, DC=com

The users have value sets for their user account as shown in the following table.

Name	Telephone number	Home phone	Mobile phone
User1	222-555-1234	222-555-1235	222-555-2222
User2	null	null	null
User3	222-555-1234	222-555-1236	222-555-2223

You plan to enable Azure Multi-Factor Authentication (MFA) by using the following bulk update file named File1.

```
Username, MFA Status
CN=User1,DC=Contoso,DC=onmicrosoft,DC=com, Enabled
User2@Contoso.com, Enabled
User3@Contoso.com, Enabled
```

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
To successfully enable Azure MFA for User1, you must change the second line of File1 to:`User1@contoso.com, Enabled`	○	○
To successfully enable Azure MFA for User2, you must add a mobile phone number to the user account of User2.	○	○
To successfully enable Azure MFA for User3, you must change the fourth line of File1to:`User3@contoso.onmicrosoft.com, Enabled`	○	○

The Answer is **Yes Yes No**

Q80:

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

The Answer is **C**

Q81:

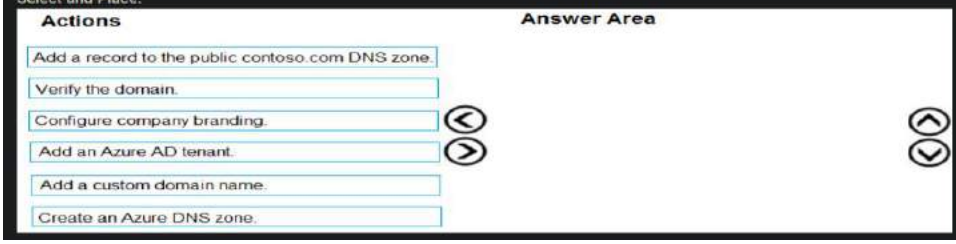
You set the multi-factor authentication status for a user named admin1@contoso.com to Enabled.
Admin1 accesses the Azure portal by using a web browser.
Which additional security verifications can Admin1 use when accessing the Azure portal?

A. a phone call, a text message that contains a verification code, and a notification or a verification code sent from the Microsoft Authenticator app
B. an app password, a text message that contains a verification code, and a notification sent from the Microsoft Authenticator app
C. an app password, a text message that contains a verification code, and a verification code sent from the Microsoft Authenticator app
D. a phone call, an email message that contains a verification code, and a text message that contains an app password

The Answer is **A**

Q82:

DRAG DROP -
You have an Azure Active Directory (Azure AD) tenant that has the initial domain name.
You have a domain name of contoso.com registered at a third-party registrar.
You need to ensure that you can create Azure AD users that have names containing a suffix of @contoso.com.
Which three actions should you perform in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.
Select and Place:



The Answer is **Add Custom Domain Name, Add a record to the pubic, Verify the domain**

Q83:

Your company has a main office in London that contains 100 client computers.
Three years ago, you migrated to Azure Active Directory (Azure AD).
The company's security policy states that all personal devices and corporate-owned devices must be registered or joined to Azure AD.
A remote user named User1 is unable to join a personal device to Azure AD from a home network.
You verify that other users can join their devices to Azure AD.
You need to ensure that User1 can join the device to Azure AD.
What should you do?

A. From the Device settings blade, modify the Users may join devices to Azure AD setting.

B. From the Device settings blade, modify the Maximum number of devices per user setting.

C. Create a point-to-site VPN from the home network of User1 to Azure.

D. Assign the User administrator role to User1.

The Answer is **B**

Q84:

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 A record named *.research in the adatum.com zone.

B. Create a PTR record named research in the adatum.com zone.

C. Modify the SOA record of adatum.com.

D. Create an NS record named research in the adatum.com zone.

The Answer is **D**

Q85:

HOTSPOT -
You have an Azure Active Directory (Azure AD) tenant named adatum.com. Adatum.com contains the groups in the following table:

Name	Group Type	Membership type	Membership rule
Group1	Security	Dynamic user	(user.city -startsWith "m")
Group2	Microsoft Office 365	Dynamic user	(user.department -notIn ["human resources"])
Group3	Microsoft Office 365	Assigned	*Not applicable*

You create two user accounts that are configured as shown in the following table.

Name	City	Department	Office 365 license assigned
User1	Montreal	Human resources	Yes
User2	Melbourne	Marketing	No

To which groups do User1 and User2 belong? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

User1:

- Group1 only
- Group2 only
- Group3 only
- Group1 and Group2 only
- Group1 and Group3 only
- Group2 and Group3 only
- Group1, Group2, and Group3

User2:

- Group1 only
- Group2 only
- Group3 only
- Group1 and Group2 only
- Group1 and Group3 only
- Group2 and Group3 only
- Group1, Group2, and Group3

The Answer is **Group 1 Only and Group1 and Group2 only**

Q86:

You have an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com.
The User administrator role is assigned to a user named Admin1.
An external partner has a Microsoft account that uses the user1@outlook.com sign in.
Admin1 attempts to invite the external partner to sign in to the Azure AD tenant and receives the following error message: "Unable to invite user user1@outlook.com "" Generic authorization exception."
You need to ensure that Admin1 can invite the external partner to sign in to the Azure AD tenant.
What should you do?

A. From the Roles and administrators blade, assign the Security administrator role to Admin1.

B. From the Organizational relationships blade, add an identity provider.

C. From the Custom domain names blade, add a custom domain.

D. From the Users blade, modify the External collaboration settings.

The Answer is **D**

Q87:

Your company has an Azure Active Directory (Azure AD) tenant named contoso.com that is configured for hybrid coexistence with the on-premises Active Directory domain. The tenant contains the users shown in the following table.

Name	User Type	Source	Sign-in
User1	Member	Azure AD	User1@contoso.com
User2	Member	Windows Server Active Directory	User2@contoso.com
User3	Guest	Multiple	User3@outlook.com
User4	Guest	Multiple	User4@gmail.com

Whenever possible, you need to enable Azure Multi-Factor Authentication (MFA) for the users in contoso.com.
Which users should you enable for Azure MFA?

A. User1 only

B. User1, User2, and User3 only

C. User1 and User2 only

D. User1, User2, User3, and User4

E. User2 only

The Answer is **D**

Q88:

You configure Azure AD Connect for Azure Active Directory Seamless Single Sign-On (Azure AD Seamless SSO) for an on-premises network.
Users report that when they attempt to access myapps.microsoft.com, they are prompted multiple times to sign in and are forced to use an account name that ends with onmicrosoft.com.
You discover that there is a UPN mismatch between Azure AD and the on-premises Active Directory.
You need to ensure that the users can use single-sign-on (SSO) to access Azure resources.
What should you do first?

A. From the server that runs Azure AD Connect, modify the filtering options.

B. From the on-premises network, deploy Active Directory Federation Services (AD FS).

C. From Azure AD, add and verify a custom domain name.

D. From the on-premises network, request a new certificate that contains the Active Directory domain name.

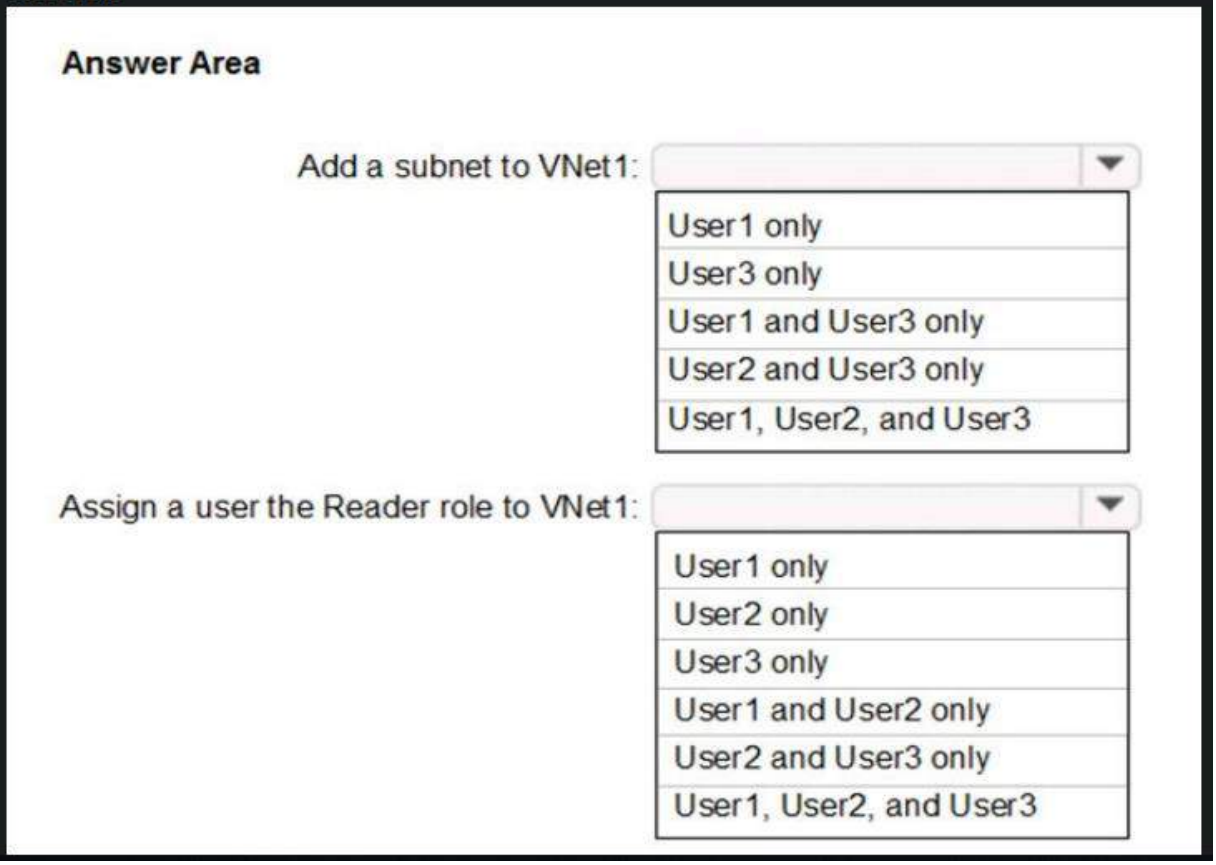
The Answer is **C**

Q89:

HOTSPOT -
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.
Hot Area:



The Answer is **User 1 and User 3 only and User 1 only**

Q90:

You have an Azure subscription named Subscription1 and two Azure Active Directory (Azure AD) tenants named Tenant1 and Tenant2.
Subscription1 is associated to Tenant1. Multi-factor authentication (MFA) is enabled for all the users in Tenant1.
You need to enable MFA for the users in Tenant2. The solution must maintain MFA for Tenant1.
What should you do first?

A. Change the directory for Subscription1.
B. Configure the MFA Server setting in Tenant1.
C. Create and link a subscription to Tenant2.
D. Transfer the administration of Subscription1 to a global administrator of Tenant2.

The Answer is **C**

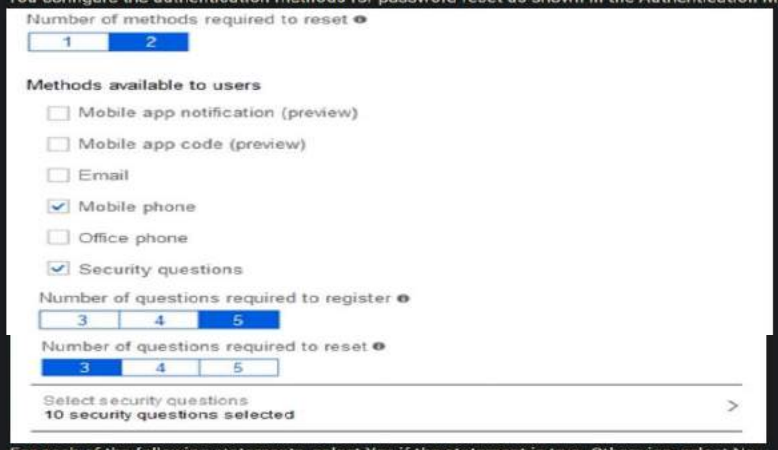
Q91:

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

Name	Member of	Role assigned
User1	Group1	*None*
User2	Group2	*None*
User3	Group1, Group2	User administrator

You enable password reset for contoso.onmicrosoft.com as shown in the Password Reset exhibit. (Click the Password Reset tab.)

You configure the authentication methods for password reset as shown in the Authentication Methods exhibit. (Click the Authentication Methods tab.)



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
After User2 answers three security questions, he can reset his password immediately.	○	○
If User1 forgets her password, she can reset the password by using the mobile phone app.	○	○
User3 can add security questions to the password reset process.	○	○

The Answer is **No No No**

Q92:

You have an Azure Active Directory (Azure AD) tenant.
All administrators must enter a verification code to access the Azure portal.
You need to ensure that the administrators can access the Azure portal without entering a verification code when they are connecting from your on-premises network.
What should you configure?

A. an Azure AD Identity Protection user risk policy
B. the multi-factor authentication service settings.
C. the default for all the roles in Azure AD Privileged Identity Management
D. an Azure AD Identity Protection sign-in risk policy

The Answer is **D**

CASE STUDY

Q93:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

You need to resolve the licensing issue before you attempt to assign the license again.

What should you do?

A. From the Groups blade, invite the user accounts to a new group.

B. From the Profile blade, modify the usage location.

C. From the Directory role blade, modify the directory role.

The Answer is **A**

Q94:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

You need to resolve the Active Directory issue.

What should you do?

A. Run the IdFix tool then use the Update actions.

B. From Active Directory Domains and Trusts, modify the list of UPN suffixes.

C. From Azure AD Connect, modify the outbound synchronization rule.

D. From Active Directory Users and Computers, select the user accounts and then modify the UPN suffix value.

The Answer is **A**

Q95:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

You need to define a custom domain name for Azure AD to support the planned infrastructure.

Which domain name should you use?

A. ad.humongousinsurance.com

B. humingousinsurance.onmicrosoft.com

C. humongousinsurance.com

D. humongousinsurance.local

The Answer is **C**

Q96:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

Which blade should you instruct the finance department auditors to use?

A. Cost analysis

B. Resource providers

C. Payment methods

D. Invoices

The Answer is **D**

Q97:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

You need to prepare the environment to meet the authentication requirements.

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

NOTE: Each correct selection is worth one point.

A. Install the Active Directory Federation Services (AD FS) role on a domain controller in the Miami office.

B. Allow inbound TCP port 8080 to the domain controllers in the Miami office.

C. Join the client computers in the Miami office to Azure AD.

D. Add http://autologon.microsoftazuread-sso.com to the intranet zone of each client computer in the Miami office.

E. Install Azure AD Connect on a server in the Miami office and enable Pass-through Authentication.

The Answer is **D & E**

Q98:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

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.

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity

Minimize administrative effort whenever possible

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

Question

HOTSPOT -

You need to identify the storage requirements for Contoso.

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
Contoso requires a storage account that supports Blob storage.	○	○
Contoso requires a storage account that supports Azure Table storage.	○	○
Contoso requires a storage account that supports Azure File Storage.	○	○

The Answer is **Yes No No**

Q99:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

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.

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity

Minimize administrative effort whenever possible

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

Question

You need to move the blueprint files to Azure.

What should you do?

A. Use Azure Storage Explorer to copy the files.

B. Use the Azure Import/Export service.

C. Generate a shared access signature (SAS). Map a drive, and then copy the files by using File Explorer.

D. Generate an access key. Map a drive, and then copy the files by using File Explorer.

The Answer is **A**

Q100:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

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.

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity

Minimize administrative effort whenever possible

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

Question

You need to implement a backup solution for App1 after the application is moved.

What should you create first?

A. a recovery plan

B. a Recovery Services vault

C. an Azure Backup Server

D. a backup policy

The Answer is **B**

Q101:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

DRAG DROP -

You need to prepare the environment to ensure that the web administrators can deploy the web apps as quickly as possible.

Which three 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.

Select and Place:

The Answer is **Create RG, From Automation script blade of the RG Add Library, From the Templates Service select the template and then share the template to the web admin**

Q102:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Contoso, Ltd. is a consulting company that has a main office in Montreal and two branch offices in Seattle and New York.

The Montreal office has 2,000 employees. The Seattle office has 1,000 employees. The New York office has 200 employees.

All the resources used by Contoso are hosted on-premises.

Contoso creates a new Azure subscription. The Azure Active Directory (Azure AD) tenant uses a domain named contoso.onmicrosoft.com. The tenant uses the P1 pricing tier.

Existing Environment -

The network contains an Active Directory forest named contoso.com. All domain controllers are configured as DNS servers and host the contoso.com DNS zone.

Contoso has finance, human resources, sales, research, and information technology departments. Each department has an organizational unit (OU) that contains all the accounts of that respective department. All the user accounts have the department attribute set to their respective department. New users are added frequently.

Contoso.com contains a user named User1.

All the offices connect by using private links.

Contoso has data centers in the Montreal and Seattle offices. Each data center has a firewall that can be configured as a VPN device.

All infrastructure servers are virtualized. The virtualization environment contains the servers in the following table.

Name	Role	Contains virtual machine
Server1	VMWare vCenter server	VM1
Server2	Hyper-V-host	VM2

Contoso uses two web applications named App1 and App2. Each instance on each web application requires 1GB of memory.

The Azure subscription contains the resources in the following table.

Name	Type
VNet1	Virtual network
VM3	Virtual machine
VM4	Virtual machine

The network security team implements several network security groups (NSGs).

Planned Changes -

Contoso plans to implement the following changes:

Deploy Azure ExpressRoute to the Montreal office.

Migrate the virtual machines hosted on Server1 and Server2 to Azure.

Synchronize on-premises Active Directory to Azure Active Directory (Azure AD).

Migrate App1 and App2 to two Azure web apps named WebApp1 and WebApp2.

Technical requirements -

Contoso must meet the following technical requirements:

Ensure that WebApp1 can adjust the number of instances automatically based on the load and can scale up to five instances.

Ensure that VM3 can establish outbound connections over TCP port 8080 to the applications servers in the Montreal office.

Ensure that routing information is exchanged automatically between Azure and the routers in the Montreal office.

▪

Ensure Azure Multi-Factor Authentication (MFA) for the users in the finance department only.

Ensure that webapp2.azurewebsites.net can be accessed by using the name app2.contoso.com

Connect the New York office to VNet1 over the Internet by using an encrypted connection.

Create a workflow to send an email message when the settings of VM4 are modified.

Create a custom Azure role named Role1 that is based on the Reader role.

Minimize costs whenever possible.

Question

You discover that VM3 does NOT meet the technical requirements.

You need to verify whether the issue relates to the NSGs.

What should you use?

A. Diagram in VNet1

B. the security recommendations in Azure Advisor

C. Diagnostic settings in Azure Monitor

D. Diagnose and solve problems in Traffic Manager profiles

E. IP flow verify in Azure Network Watcher

The Answer is **E**

Q103:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

HOTSPOT -

You are evaluating the name resolution for the virtual machines after the planned implementation of the Azure networking infrastructure.

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

Hot Area:

Answer Area

Statements	Yes	No
The virtual machines on Subnet1 will be able to resolve the hosts in the humongousinsurance.local zone.	○	○
The virtual machines on ClientSubnet will be able to register the hostname records in the humongousinsurance.local zone.	○	○
The virtual machines on Subnet4 will be able to register the hostname records in the humongousinsurance.local zone.	○	○

The Answer is **No Yes No**

Q104:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment -

Active Directory Environment -

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure -

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue -

Several users in humongousinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue -

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License assignment failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements -

Planned Changes -

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure -

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet

A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements -

Humongous Insurance identifies the following requirements for the company's departments:

Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.

During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements -

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

Question

HOTSPOT -

You are evaluating the connectivity between the virtual machines after the planned implementation of the Azure networking infrastructure.

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

Hot Area:

Answer Area

Statements	Yes	No
The virtual machines on Subnet1 will be able to connect to the virtual machines on Subnet3.	○	○
The virtual machines on ClientSubnet will be able to connect to the Internet.	○	○
The virtual machines on Subnet3 and Subnet4 will be able to connect to the Internet.	○	○

The Answer is **Yes Yes Yes**

Q105:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Contoso, Ltd. is a consulting company that has a main office in Montreal and two branch offices in Seattle and New York.

The Montreal office has 2,000 employees. The Seattle office has 1,000 employees. The New York office has 200 employees.

All the resources used by Contoso are hosted on-premises.

Contoso creates a new Azure subscription. The Azure Active Directory (Azure AD) tenant uses a domain named contoso.onmicrosoft.com. The tenant uses the P1 pricing tier.

Existing Environment -

The network contains an Active Directory forest named contoso.com. All domain controllers are configured as DNS servers and host the contoso.com DNS zone.

Contoso has finance, human resources, sales, research, and information technology departments. Each department has an organizational unit (OU) that contains all the accounts of that respective department. All the user accounts have the department attribute set to their respective department. New users are added frequently.

Contoso.com contains a user named User1.

All the offices connect by using private links.

Contoso has data centers in the Montreal and Seattle offices. Each data center has a firewall that can be configured as a VPN device.

All infrastructure servers are virtualized. The virtualization environment contains the servers in the following table.

Name	Role	Contains virtual machine
Server1	VMWare vCenter server	VM1
Server2	Hyper-V-host	VM2

Contoso uses two web applications named App1 and App2. Each instance on each web application requires 1GB of memory.

The Azure subscription contains the resources in the following table.

Name	Type
VNet1	Virtual network
VM3	Virtual machine
VM4	Virtual machine

The network security team implements several network security groups (NSGs).

Planned Changes -

Contoso plans to implement the following changes:

Deploy Azure ExpressRoute to the Montreal office.

Migrate the virtual machines hosted on Server1 and Server2 to Azure.

Synchronize on-premises Active Directory to Azure Active Directory (Azure AD).

Migrate App1 and App2 to two Azure web apps named WebApp1 and WebApp2.

Technical requirements -

Contoso must meet the following technical requirements:

Ensure that WebApp1 can adjust the number of instances automatically based on the load and can scale up to five instances.

Ensure that VM3 can establish outbound connections over TCP port 8080 to the applications servers in the Montreal office.

Ensure that routing information is exchanged automatically between Azure and the routers in the Montreal office.

Ensure Azure Multi-Factor Authentication (MFA) for the users in the finance department only.

Ensure that webapp2.azurewebsites.net can be accessed by using the name app2.contoso.com

Connect the New York office to VNet1 over the Internet by using an encrypted connection.

Create a workflow to send an email message when the settings of VM4 are modified.

Create a custom Azure role named Role1 that is based on the Reader role.

Minimize costs whenever possible.

Question

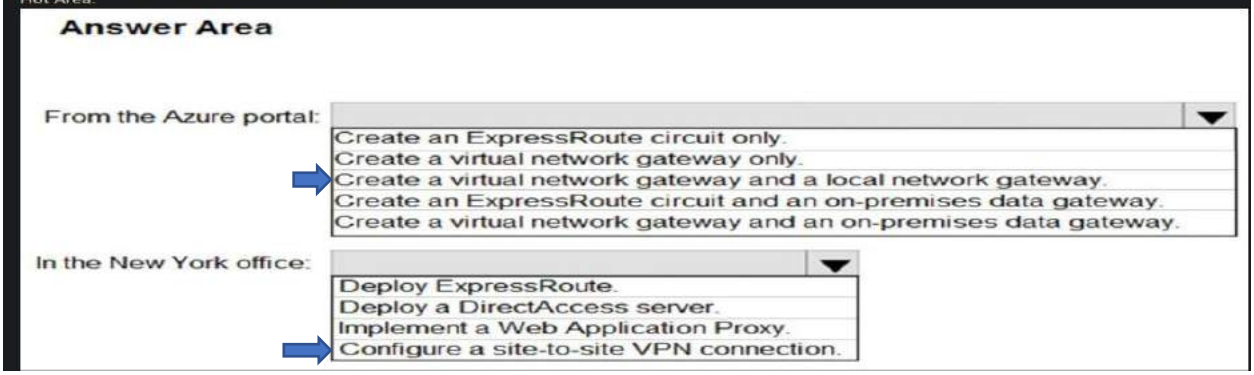
HOTSPOT -

You need to meet the connection requirements for the New York office.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



The Answer as above

Q106:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

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.

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity

Minimize administrative effort whenever possible

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

Question

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 do?

A. Create an incoming security rule for port 443 from the Internet. Associate the NSG to the subnet that contains the web servers.

B. Create an outgoing security rule for port 443 from the Internet. Associate the NSG to all the subnets.

C. Create an incoming security rule for port 443 from the Internet. Associate the NSG to all the subnets.

D. Create an outgoing security rule for port 443 from the Internet. Associate the NSG to the subnet that contains the web servers.

The Answer is **A**

Q107:

Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

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.

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity

Minimize administrative effort whenever possible

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

Question

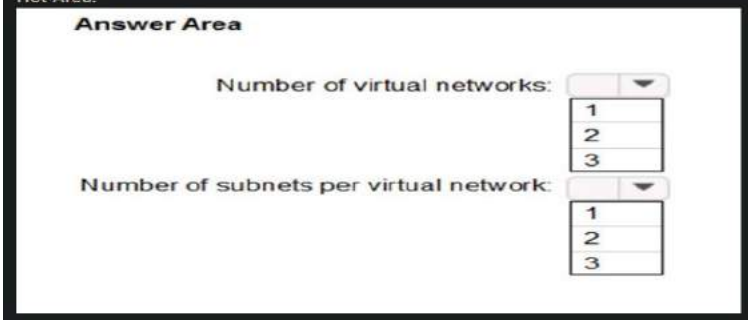
HOTSPOT -

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.

Hot Area:



The Answer is **1 & 2**

Q108:

Introductory Info
Case study -
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.
To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.
At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview -
Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.
Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -
Currently, Contoso uses multiple types of servers for business operations, including the following:
File servers
Domain controllers
Microsoft SQL Server servers
Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.
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.

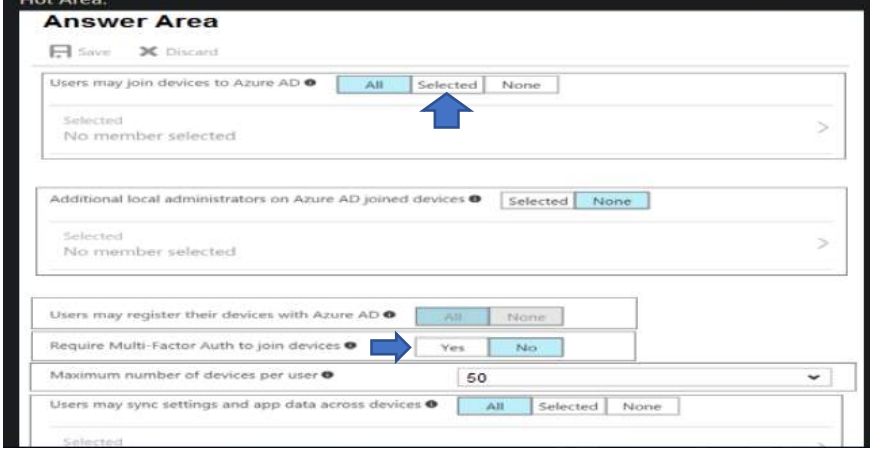
Requirements -

Planned Changes -
Contoso plans to implement the following changes to the infrastructure:
Move all the tiers of App1 to Azure.
Move the existing product blueprint files to Azure Blob storage.
Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -
Contoso must meet the following technical requirements:
Move all the virtual machines for App1 to Azure.
Minimize the number of open ports between the App1 tiers.
Ensure that all the virtual machines for App1 are protected by backups.
Copy the blueprint files to Azure over the Internet.
Ensure that the blueprint files are stored in the archive storage tier.
Ensure that partner access to the blueprint files is secured and temporary.
Prevent user passwords or hashes of passwords from being stored in Azure.
Use unmanaged standard storage for the hard disks of the virtual machines.
Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity
Minimize administrative effort whenever possible

User Requirements -
Contoso identifies the following requirements for users:
Ensure that only users who are part of a group named Pilot can join devices to Azure AD.
Designate a new user named Admin1 as the service admin for the Azure subscription.
Admin1 must receive email alerts regarding service outages.
Ensure that a new user named User3 can create network objects for the Azure subscription.

Question
HOTSPOT -
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.
Hot Area:



The Answer as above