

# Microsoft

## Exam Questions AZ-103

Microsoft Azure Administrator



**NEW QUESTION 1**

You have an Azure subscription that contains 10 virtual machines. You need to ensure that you receive an email message when any virtual machines are powered off, restarted, or deallocated. What is the minimum number of rules and action groups that you require?

- A. three rules and three action groups
- B. one rule and one action group
- C. three rules and one action group
- D. one rule and three action groups

**Answer: C**

**Explanation:**

An action group is a collection of notification preferences defined by the user. Azure Monitor and Service Health alerts are configured to use a specific action group when the alert is triggered. Various alerts may use the same action group or different action groups depending on the user's requirements. References: <https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/monitoring-action-groups>

**NEW QUESTION 2**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

You need to view the date and time when the resources were created in RG1. Solution: From the RG1 blade, you click Deployments.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 3**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

You need to view the date and time when the resources were created in RG1.

Solution: From the Subscriptions blade, you select the subscription, and then click Resource providers.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**NEW QUESTION 4**

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. Configure the extensions for VM3 and VM4.
- B. Create a new Recovery Services vault.
- C. Create a storage account.
- D. Create a new backup policy.

**Answer: B**

**Explanation:**

A Recovery Services vault is a storage entity in Azure that houses data. The data is typically copies of data, or configuration information for virtual machines (VMs), workloads, servers, or workstations. You can use Recovery Services vaults to hold backup data for various Azure services

References: <https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-tutorial-enable-replication>

**NEW QUESTION 5**

You have an Azure subscription that contains 100 virtual machines.

You regularly create and delete virtual machines.

You need to identify unused 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 Cloudyn, open the Optimizer tab and create a report.

D. From Cloudyn, create a Cost Management report.

**Answer:** C

**Explanation:**

The Unattached Disks report lists storage that is not attached to any active VM. To open the report, click in the Optimizer tab. Select Inefficiencies and then click Unattached Disks.

References:

<https://social.msdn.microsoft.com/Forums/en-US/0e4b3c28-a7f3-416b-84b7-3753f534e1b9/faq-how-to-save-money-with-cloudyn-8211-10-steps?forum=Cloudyn>  
<https://docs.microsoft.com/en-us/azure/cost-management/overview>

**NEW QUESTION 6**

DRAG DROP

You have an Azure subscription that contains an Azure virtual machine named VM1. VM1 runs Windows Server 2016 and is part of an availability set.

VM1 has virtual machine-level backup enabled. VM1 is deleted.

You need to restore VM1 from the backup. VM1 must be part of the availability set.

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.

**Actions**

**Answer Area**

- From the Restore configuration blade, set Restore Type to **Create virtual machine**.
- From the VM1 blade, edit the disk settings of the OS disk.
- From the Restore configuration blade, set Restore Type to **Restore disks**.
- From the Recovery Services vault, deploy a template.
- From the VM1 blade, add a disk.
- From the Recovery Services vault, select a restore point for VM1.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

- From the Recovery Services vault, select a restore point for VM1.
- From the Restore configuration blade, set Restore Type to **Restore disks**.
- From the Recovery Services vault, deploy a template.

**NEW QUESTION 7**

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

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

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

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

**INBOUND PORT RULES ⓘ**

Network security group VM1-nsg (attached to network interface: Interface1)  
 Impacts 0 subnets, 2 network interfaces

Add inbound

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

**OUTBOUND PORT RULES ⓘ**

Network security group VM1-nsg (attached to network interface: Interface1)  
 Impacts 0 subnets, 2 network interfaces

Add outbound

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

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

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

**Answer: A**

**Explanation:**

Incorrect Answers:

- B: The network interface has already been added to VM.
- C: The Outbound rules are fine.
- D: The inbound rules are fine. Port 3389 is used for Remote Desktop.

Note: Rules are processed in priority order, with lower numbers processed before higher numbers, because lower numbers have higher priority. Once traffic matches a rule, processing stops. As a result, any rules that exist with lower priorities (higher numbers) that have the same attributes as rules with higher priorities are not processed.

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

**NEW QUESTION 8**

**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.

**Answer Area**

Location in which to store the backups:

	▼
A blob container	
A file share	
A Recovery Services vault	
A storage account	

Object to use to configure the protection for VM1:

	▼
A backup policy	
A batch job	
A batch schedule	
A recovery plan	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: A Recovery Services vault

A Recovery Services vault is an entity that stores all the backups and recovery points you create over time.

Box 2: A backup policy

What happens when I change my backup policy?

When a new policy is applied, schedule and retention of the new policy is followed. References:

<https://docs.microsoft.com/en-us/azure/backup/backup-configure-vault> <https://docs.microsoft.com/en-us/azure/backup/backup-azure-backup-faq>

**NEW QUESTION 9**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

You receive a notification that VM1 will be affected by maintenance. You need to move VM1 to a different host immediately.

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

- A. Yes
- B. No

**Answer:** B

**Explanation:**

You should redeploy the VM.

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

**NEW QUESTION 10**

DRAG DROP

You have an Azure subscription. The subscription includes a virtual network named VNet1. Currently, VNet1 does not contain any subnets.

You plan to create subnets on VNet1 and to use application security groups to restrict the traffic between the subnets. You need to create the application security groups and to assign them to the subnets.

Which four cmdlets should you run in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

**Cmdlets**

- 
- 
- 
- 
- 



**Answer Area**



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: New-AzureRmNetworkSecurityRuleConfig  
 Step 2: New-AzureRmNetworkSecurityGroup  
 Step 3: New-AzureRmVirtualNetworkSubnetConfig  
 Step 4: New-AzureRmVirtualNetwork  
 Example: Create a virtual network with a subnet referencing a network security group New-AzureRmResourceGroup -Name TestResourceGroup -Location centralus  
 \$rdpRule = New-AzureRmNetworkSecurityRuleConfig -Name rdp-rule -Description "Allow RDP" - Access Allow -Protocol Tcp -Direction Inbound -Priority 100 -SourceAddressPrefix Internet - SourcePortRange \* -DestinationAddressPrefix \* -DestinationPortRange 3389  
 \$networkSecurityGroup = New-AzureRmNetworkSecurityGroup -ResourceGroupName TestResourceGroup -Location centralus -Name "NSG-FrontEnd" -SecurityRules \$rdpRule  
 \$frontendSubnet = New-AzureRmVirtualNetworkSubnetConfig -Name frontendSubnet - AddressPrefix "10.0.1.0/24" -NetworkSecurityGroup \$networkSecurityGroup  
 \$backendSubnet = New-AzureRmVirtualNetworkSubnetConfig -Name backendSubnet - AddressPrefix "10.0.2.0/24" -NetworkSecurityGroup \$networkSecurityGroup  
 New-AzureRmVirtualNetwork -Name MyVirtualNetwork -ResourceGroupName TestResourceGroup - Location centralus -AddressPrefix "10.0.0.0/16" -Subnet \$frontendSubnet,\$backendSubnet References: <https://docs.microsoft.com/en-us/powershell/module/azurerm.network/new-azurermvirtualnetwork?view=azurerm-6.7.0>

**NEW QUESTION 10**

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

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

Subnet1 is associated to VNet1. NIC1 attaches VM1 to Subnet1. You need to apply ASG1 to VM1. What should you do?

- A. Modify the properties of NSG1.
- B. Modify the properties of ASG1.
- C. Associate NIC1 to ASG1.

**Answer: B**

**Explanation:**

When you deploy VMs, make them members of the appropriate ASGs. You associate the ASG with a subnet. References: <https://azure.microsoft.com/en-us/blog/applicationsecuritygroups/>

**NEW QUESTION 14**

Your company has an Azure subscription named Subscription1. The company also has two on-premises servers named Server1 and Server2 that run Windows Server 2016. Server1 is configured as a DNS server that has a primary DNS zone named adatum.com. Adatum.com contains 1,000 DNS records. You manage Server1 and Subscription1 from Server2. Server2 has the following tools installed:  
 ? The DNS Manager console  
 ? Azure PowerShell  
 ? Azure CLI 2.0  
 You need to move the adatum.com zone to Subscription1. The solution must minimize administrative effort. What should you use?

- A. Azure PowerShell
- B. Azure CLI
- C. the Azure portal
- D. the DNS Manager console

**Answer: B**

**Explanation:**

Azure DNS supports importing and exporting zone files by using the Azure command-line interface (CLI). Zone file import is not currently supported via Azure PowerShell or the Azure portal. References: <https://docs.microsoft.com/en-us/azure/dns/dns-import-export>

**NEW QUESTION 15**

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 button.)

→ Move Delete

Resource group ([change](#))  
**ProductionRG**

Security rules  
 1 inbound, 1 outbound

Location  
**North Europe**

Associated with  
 0 subnets, 0 network interfaces

Subscription ([change](#))  
**Production subscription**

Subscription ID  
 14d26092-8e42-4ea7-b770-9dcef70fb1ea

Tags ([change](#))  
[Click here to add tags](#)



### Inbound security rules

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION
1500	Port_80	80	TCP	Internet	Any	Deny ...
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow ...
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow ...
65500	DenyAllBound	Any	Any	Any	Any	Deny ...

### Outbound security rules

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION
1000	DenyWebSites	80	TCP	Any	Internet	Deny ...
65000	AllowVnetOutBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow ...
65001	AllowInternetOutBound	Any	Any	Any	Internet	Allow ...
65500	DenyAllOutBound	Any	Any	Any	Any	Deny ...

You need to prevent users of VM1 and VM2 from accessing websites on the Internet. What should you do?

- A. Associate the NSG to Subnet1.
- B. Disassociate the NSG from a network interface.
- C. Change the DenyWebSites outbound security rule.
- D. Change the Port\_80 inbound security rule.

**Answer: A**

**Explanation:**

You can associate or dissociate a network security group from a network interface or subnet. The NSG has the appropriate rule to block users from accessing the Internet. We just need to associate it with Subnet1. References: <https://docs.microsoft.com/en-us/azure/virtual-network/manage-network-security-group>

**NEW QUESTION 17**

**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.

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes  
 Vnet1 and Vnet3 are peers. Box 2: Yes  
 Vnet2 and Vnet3 are peers. Box 3: No  
 Peering connections are non-transitive.  
 References: <https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke>

**NEW QUESTION 18**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
 You have an Azure subscription that contains 10 virtual networks. The virtual networks are hosted in separate resource groups. Another administrator plans to create several network security groups (NSGs) in the subscription. You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.  
 Solution: From the Resource providers blade, you unregister the Microsoft.ClassicNetwork provider. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 20**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
 You have an Azure subscription that contains 10 virtual networks. The virtual networks are hosted in separate resource groups. Another administrator plans to create several network security groups (NSGs) in the subscription. You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.  
 Solution: You create a resource lock, and then you assign the lock to the subscription. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

How can I freeze or lock my production/critical Azure resources from accidental deletion? There is way to do this with both ASM and ARM resources using Azure resource lock.  
 References: <https://blogs.msdn.microsoft.com/azureedu/2016/04/27/using-azure-resource-manager-policy-and-azure-lock-to-control-your-azure-resources/>

**NEW QUESTION 25**

You have an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com that contains 100 user accounts. You purchase 10 Azure AD Premium P2 licenses for the tenant. You need to ensure that 10 users can use all the Azure AD Premium features. What should you do?

- A. From the Groups blade of each user, invite the users to a group.
- B. From the Licenses blade of Azure AD, assign a license.
- C. From the Directory role blade of each user, modify the directory role.
- D. From the Azure AD domain, add an enterprise application.

**Answer:** B

**Explanation:**

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

**NEW QUESTION 30**

**HOTSPOT**

Your network contains an Active Directory domain named adatum.com and an Azure Active Directory (Azure AD) tenant named adatum.onmicrosoft.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.

**Answer Area**

Adatum.com:

	▼
User1	
User2	
User3	
User4	
User5	

Adatum.onmicrosoft.com:

	▼
UserA	
UserB	
UserC	
UserD	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: User5

In Express settings, the installation wizard asks for the following: AD DS Enterprise Administrator credentials

Azure AD Global Administrator credentials

The AD DS Enterprise Admin account is used to configure your on-premises Active Directory. These credentials are only used during the installation and are not used after the installation has completed. The Enterprise Admin, not the Domain Admin should make sure the permissions in Active Directory can be set in all domains.

Box 2: UserA

Azure AD Global Admin credentials are only used during the installation and are not used after the installation has completed. It is used to create the Azure AD Connector account used for synchronizing changes to Azure AD. The account also enables sync as a feature in Azure AD.

References: <https://docs.microsoft.com/en-us/azure/active-directory/connect/active-directory-aadconnect-accounts-permissions>

**NEW QUESTION 31**

Your company registers a domain name of contoso.com.

You create an Azure DNS 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 server at the domain registrar. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Modify the Name Server (NS) record.

References: <https://docs.microsoft.com/en-us/azure/dns/dns-delegate-domain-azure-dns>

**NEW QUESTION 33**

Your company registers a domain name of contoso.com.

You create an Azure DNS 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

Answer: B

**Explanation:**

Modify the NS record, not the SOA record.

Note: The SOA record stores information about the name of the server that supplied the data for the zone; the administrator of the zone; the current version of the data file; the number of seconds a secondary name server should wait before checking for updates; the number of seconds a secondary name server should wait before retrying a failed zone transfer; the maximum number of seconds that a secondary name server can use data before it must either be refreshed or expire; and a default number of seconds for the time-to-live file on resource records.

References: <https://searchnetworking.techtarget.com/definition/start-of-authority-record>

**NEW QUESTION 34**

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After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

You need to view the date and time when the resources were created in RG1. Solution: From the RG1 blade, you click Automation script.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

**NEW QUESTION 38**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

You receive a notification that VM1 will be affected by maintenance. You need to move VM1 to a different host immediately.

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

- A. Yes
- B. No

Answer: B

**Explanation:**

You would need to Redeploy the VM. References:

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

**NEW QUESTION 41**

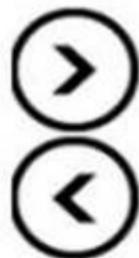
**DRAG DROP**

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.

**Actions**

- Start VM2.
- Stop VM1.
- Start VM1.
- Detach Disk1 from VM1.
- Attach Disk1 to VM2.
- Stop VM2.



**Answer Area**

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Step 1: Stop VM1.

Step 2: Detach Disk1 from VM1. Step 3: Start VM1.

Detach a data disk using the portal

1. In the left menu, select Virtual Machines.
2. Select the virtual machine that has the data disk you want to detach and click Stop to deallocate the VM.
3. In the virtual machine pane, select Disks.
4. At the top of the Disks pane, select Edit.
5. In the Disks pane, to the far right of the data disk that you would like to detach, click the Detach button image detach button.
6. After the disk has been removed, click Save on the top of the pane.
7. In the virtual machine pane, click Overview and then click the Start button at the top of the pane to restart the VM.
8. The disk stays in storage but is no longer attached to a virtual machine. Step 4: Attach Disk1 to VM2

Attach an existing disk

Follow these steps to reattach an existing available data disk to a running VM.

9. Select a running VM for which you want to reattach a data disk.
10. From the menu on the left, select Disks.
11. Select Attach existing to attach an available data disk to the VM.
12. From the Attach existing disk pane, select OK. References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/detach-disk> <https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-attach-detach-data-disk>

**NEW QUESTION 46**

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

Name	Azure region	Policy
RG1	West Europe	Policy1
RG2	North Europe	Policy2
RG3	France Central	Policy3

RG1 has a web app named WebApp1. WebApp1 is located in West Europe. You move WebApp1 to RG2. What is the effect of the move?

- A. The App Service plan to WebApp1 moves to North Europ
- B. Policy2 applies to WebApp1.
- C. The App Service plan to WebApp1 moves to North Europ
- D. Policy1 applies to WebApp1.
- E. The App Service plan to WebApp1 remains to West Europ
- F. Policy2 applies to WebApp1.
- G. The App Service plan to WebApp1 remains to West Europ
- H. Policy1 applies to WebApp1.

**Answer: C**

**Explanation:**

You can move an app to another App Service plan, as long as the source plan and the target plan are in the same resource group and geographical region. The region in which your app runs is the region of the App Service plan it's in. However, you cannot change an App Service plan's region. References: <https://docs.microsoft.com/en-us/azure/app-service/app-service-plan-manage>

**NEW QUESTION 49**

DRAG DROP

You have an Azure subscription that is used by four departments in your company. The subscription contains 10 resource groups. Each department uses resources in several resource groups.

You need to send a report to the finance department. The report must detail the costs for each department. 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.

**Actions**

- Assign a tag to each resource group.
- Open the **Resource costs** blade of each resource group.
- Download the usage report.
- Assign a tag to each resource.
- From the Cost analysis blade, filter the view by tag.

➤

➤

**Answer Area**

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: Assign a tag to each resource.

You apply tags to your Azure resources giving metadata to logically organize them into a taxonomy. After you apply tags, you can retrieve all the resources in your subscription with that tag name and value. Each resource or resource group can have a maximum of 15 tag name/value pairs. Tags applied to the resource group are not inherited by the resources in that resource group.

Box 2: From the Cost analysis blade, filter the view by tag

After you get your services running, regularly check how much they're costing you. You can see the current spend and burn rate in Azure portal.

1. Visit the Subscriptions blade in Azure portal and select a subscription.

2. You should see the cost breakdown and burn rate in the popup blade.
  3. Click Cost analysis in the list to the left to see the cost breakdown by resource. Wait 24 hours after you add a service for the data to populate.
  4. You can filter by different properties like tags, resource group, and timespan. Click Apply to confirm the filters and Download if you want to export the view to a Comma-Separated Values (.csv) file.
- Box 3: Download the usage report References:  
<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags> <https://docs.microsoft.com/en-us/azure/billing/billing-getting-started>

**NEW QUESTION 50**

You have a resource group named RG1. RG1 contains an Azure Storage account named storageaccount1 and a virtual machine named VM1 that runs Windows Server 2016. Storageaccount1 contains the disk files for VM1. You apply a ReadOnly lock to RG1. What can you do from the Azure portal?

- A. Generate an automation script for RG1.
- B. View the keys of storageaccount1.
- C. Upload a blob to storageaccount1.
- D. Start VM1.

**Answer: B**

**Explanation:**

ReadOnly means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-lock-resources>

**NEW QUESTION 53**

**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/Microsoft.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/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.

**Answer Area**

Before a virtual machine on VNet1 can receive an IP address from 192.168.1.0/24, you must first **[answer choice]**.

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 **[answer choice]**.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: add a subnet

Your IaaS virtual machines (VMs) and PaaS role instances in a virtual network automatically receive a private IP address from a range that you specify, based on the subnet they are connected to. We need to add the 192.168.1.0/24 subnet.

Box 2: add a network interface

The 10.2.1.0/24 network exists. We need to add a network interface.

References: <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-static-private-ip-arm-portal>

**NEW QUESTION 57**

**HOTSPOT**

You have an Azure subscription named Subscription1 that is associated to an Azure Active Directory (Azure AD) tenant named AAD1. Subscription1 contains the objects in the following table:

Name	Type
Share1	Azure file share
Account1	Azure Storage account
RG1	Resource group
Vault1	Recovery Services vault

You plan to create a single backup policy for Vault1. To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

You can create an Azure backup policy for:

AAD1 only
Account1 only
RG1 only
Share1 only
AAD1 and Share1 only
AAD1, Share1 and Account1 only
AAD1, Share1, Account1, and RG1

In the backup policy that you create, you can configure the backups to be retained for up to:

7 days
31 days
90 days
120 days
365 days
99 years

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: RG1 only Box 2: 99 years

With the latest update to Azure Backup, customers can retain their data for up to 99 years in Azure. Note: A backup policy defines a matrix of when the data snapshots are taken, and how long those snapshots are retained.

The backup policy interface looks like this:

\* Policy name

Backup frequency  
 Daily 5:30 AM Local Time (UTC-07:00)

Retention range

Retention of daily backup point.

\* At 5:30 AM For 180 Day(s)

Retention of weekly backup point.

\* On Sunday \* At 5:30 AM For 104 Week(s)

Retention of monthly backup point.

Week Based Day Based

\* On First \* Day Sunday \* At 5:30 AM For 60 Month(s)

Retention of yearly backup point.

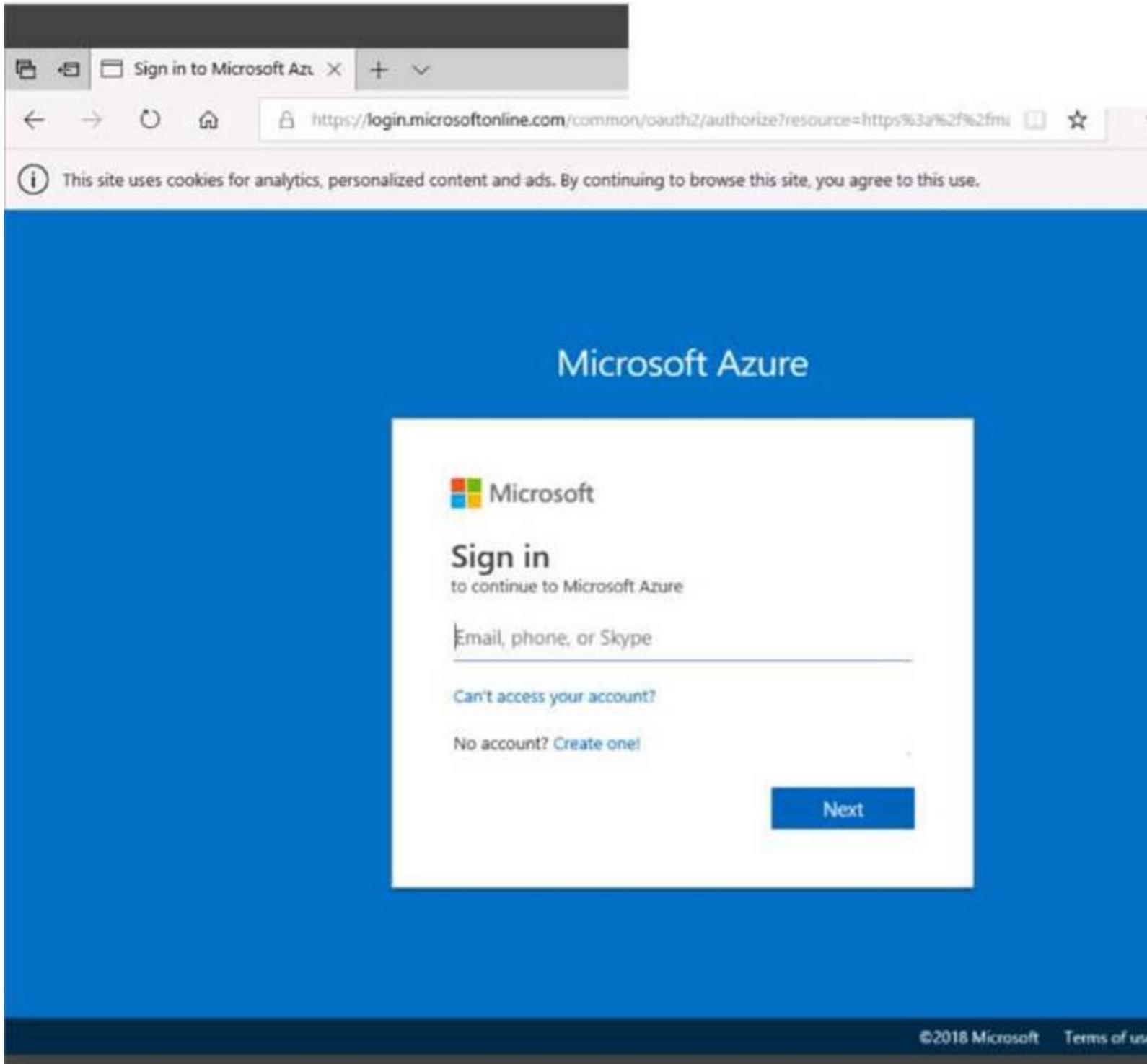
Week Based Day Based

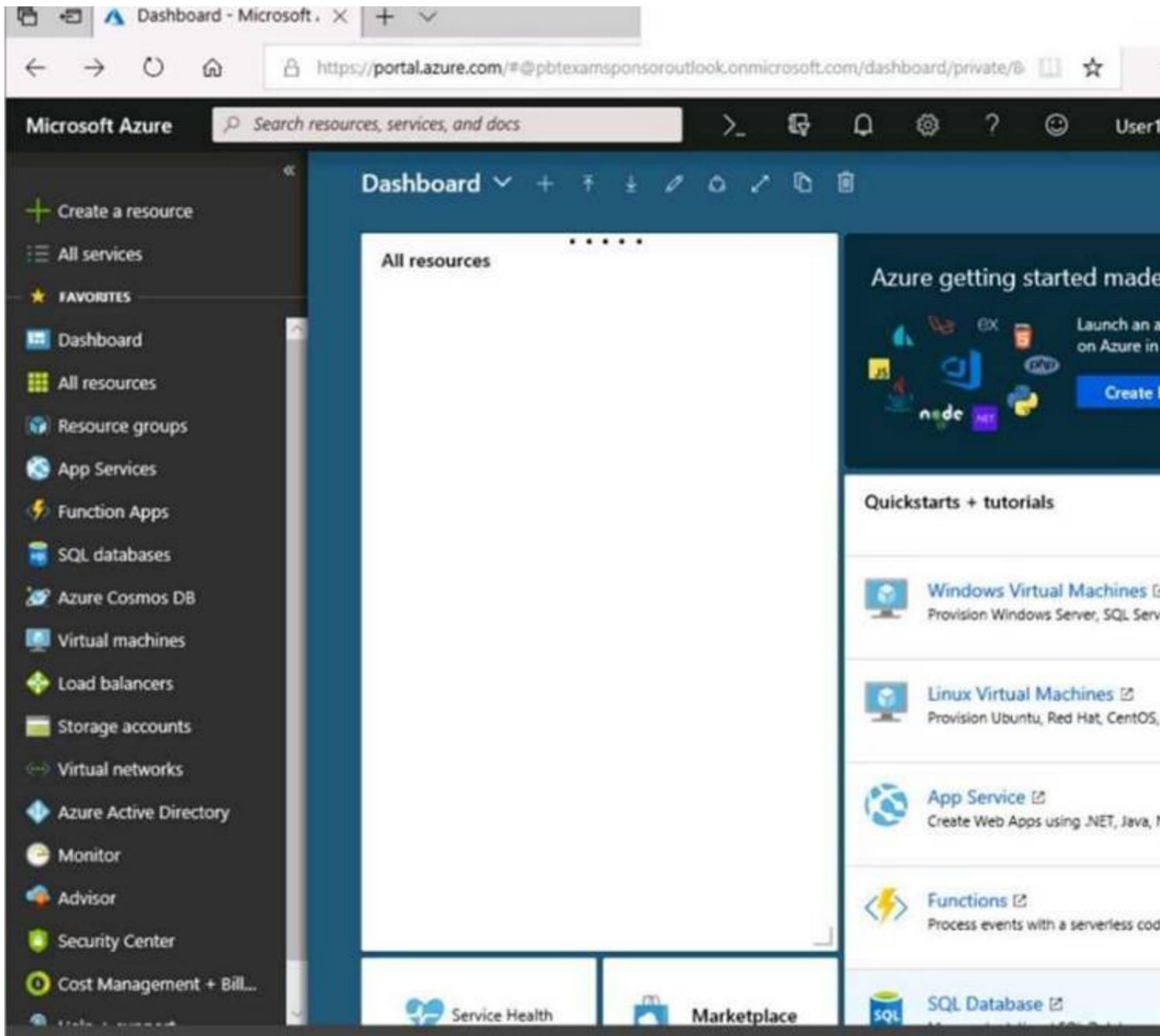
\* In January \* On First \* Day Sunday \* At 5:30 AM For 10 Year(s)

References: <https://docs.microsoft.com/en-us/azure/backup/backup-azure-vms-first-look-arm#defining-a-backup-policy>  
<https://blogs.microsoft.com/firehose/2015/02/16/february-update-to-azure-backup-includes-data-retention-up-to-99-years-offline-backup-and-more/>

**NEW QUESTION 58**

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





Instructions    Comments    Controls Available    Keyboard Shortcuts Available

### Tasks

Click to expand each objective

- Configure servers
  - Add the "Print and Document Services" role to server LON-SVRT, installing any required management features and enabling both Print and LPD Services.
- + Configure file and share access

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

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

**Overview**

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To start the lab

You may start the lab by clicking the Next button.

Another administrator attempts to establish connectivity between two virtual networks named VNET1 and VNET2.

The administrator reports that connections across the virtual networks fail.

You need to ensure that network connections can be established successfully between VNET1 and VNET2 as quickly as possible.

What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

You can connect one VNet to another VNet using either a Virtual network peering, or an Azure VPN Gateway.

To create a virtual network gateway

Step1 : In the portal, on the left side, click +Create a resource and type 'virtual network gateway' in

search. Locate Virtual network gateway in the search return and click the entry. On the Virtual network gateway page, click Create at the bottom of the page to open the Create virtual network gateway page.

Step 2: On the Create virtual network gateway page, fill in the values for your virtual network gateway.

Name: Name your gateway. This is not the same as naming a gateway subnet. It's the name of the gateway object you are creating.

Gateway type: Select VPN. VPN gateways use the virtual network gateway type VPN.

Virtual network: Choose the virtual network to which you want to add this gateway. Click Virtual network to open the 'Choose a virtual network' page. Select the VNet. If you don't see your VNet, make sure the Location field is pointing to the region in which your virtual network is located.

Gateway subnet address range: You will only see this setting if you did not previously create a gateway subnet for your virtual network. If you previously created a valid gateway subnet, this setting will not appear.

Step 4: Select Create New to create a Gateway subnet.

### Add subnet □ ×

RMVNet

\* Name

\* Address range (CIDR block) ⓘ  
192.168.0.0/26 ✓  
 192.168.0.0 - 192.168.0.63 (59 + 5 Azure reserved addresses)

Route table  
 None >

---

**Service endpoints**

Services ⓘ

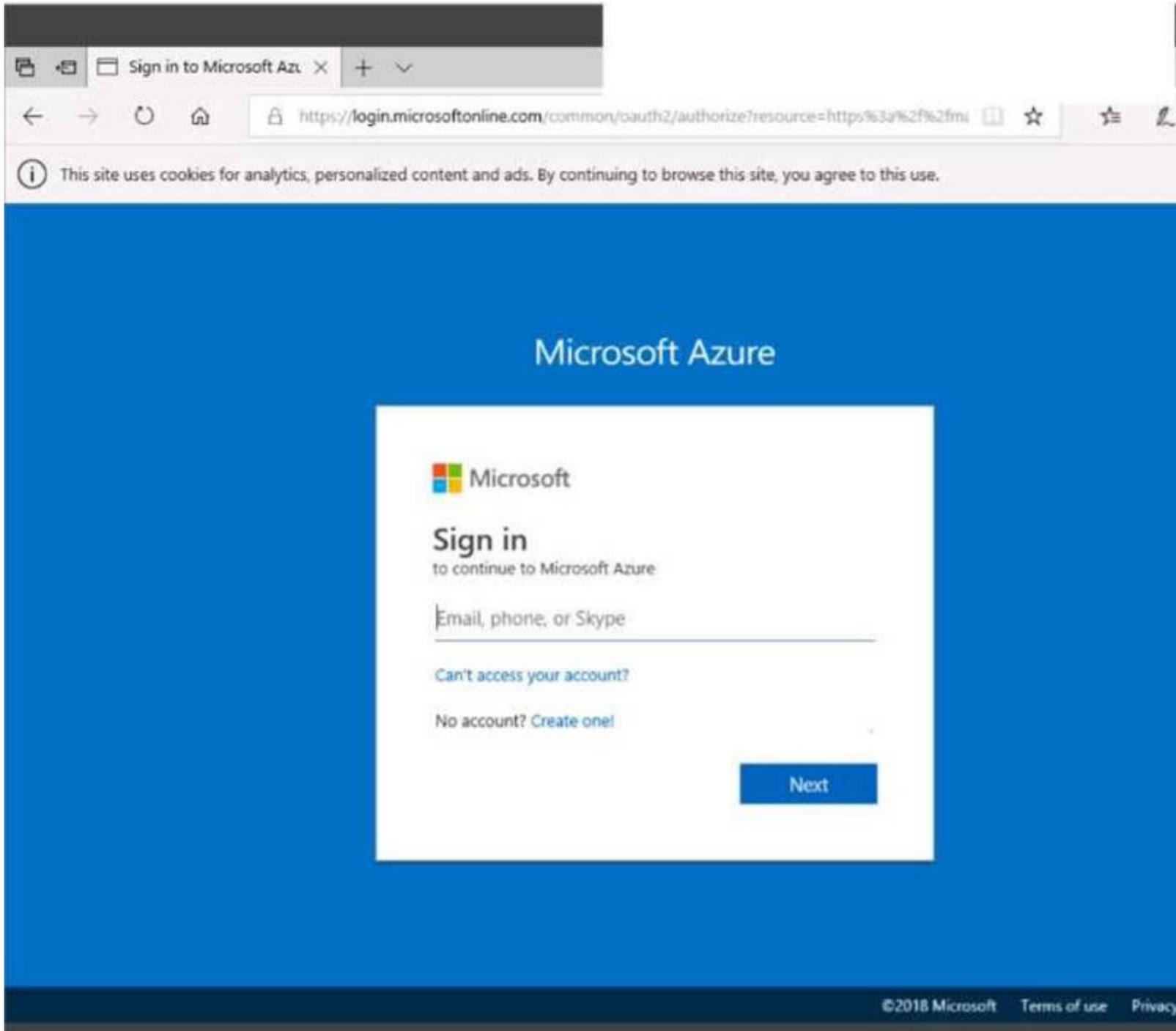
**Subnet delegation**

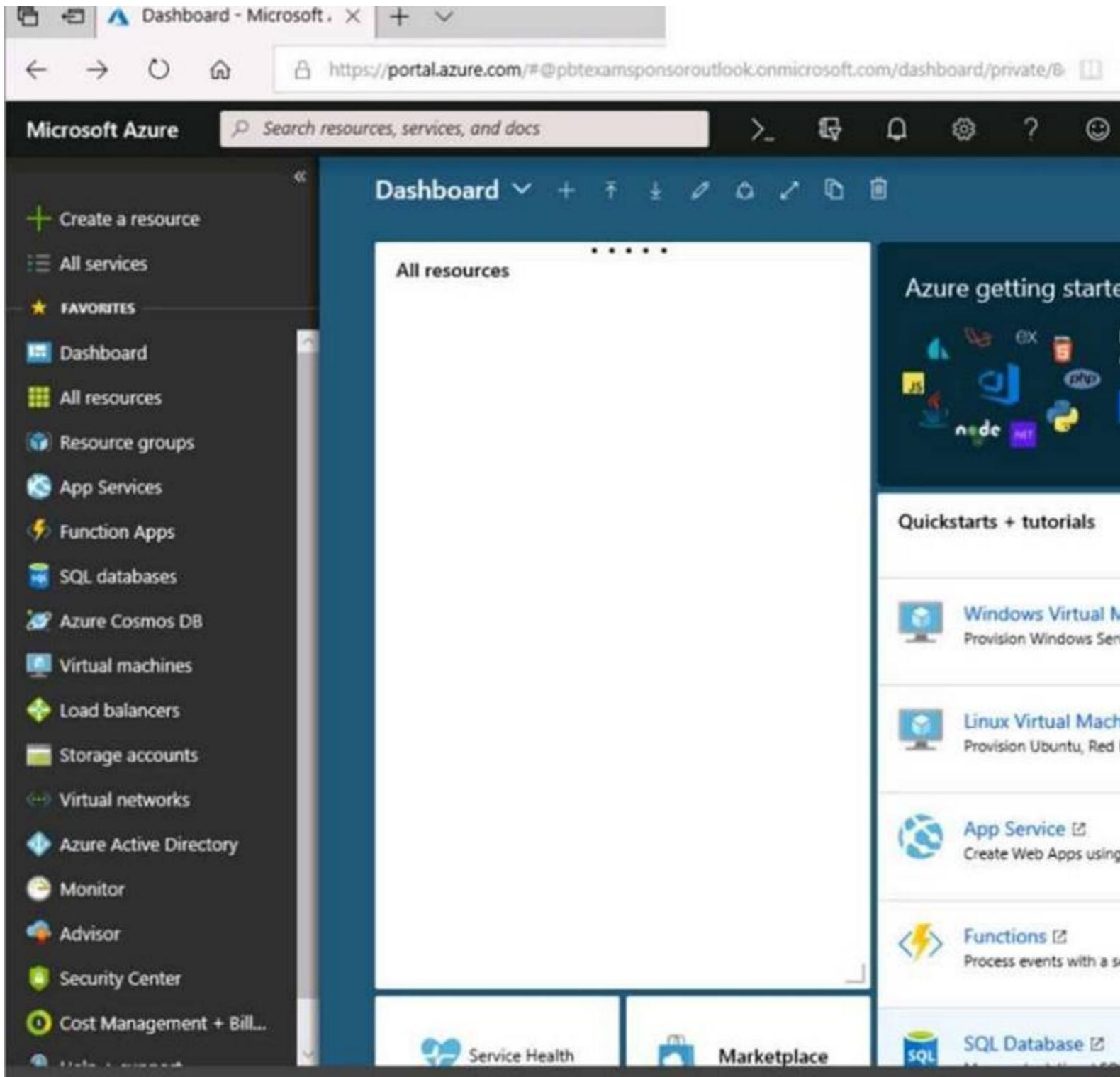
Delegate subnet to a service ⓘ

Step 5: Click Create to begin creating the VPN gateway. The settings are validated and you'll see the "Deploying Virtual network gateway" tile on the dashboard. Creating a gateway can take up to 45 minutes. You may need to refresh your portal page to see the completed status.  
 References: <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-vnet-vnet-resource-manager-portal?>

**NEW QUESTION 59**

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





- Instructions
- Comments
- Controls Available
- Keyboard Shortcuts Available

### Tasks

Click to expand each objective

- Configure servers
  - Add the "Print and Document Services" role to server LON-SVRT, installing any required management features and enabling both Print and LPD Services.
- + Configure file and share access

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

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

#### Overview

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

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

To start the lab

You may start the lab by clicking the Next button.

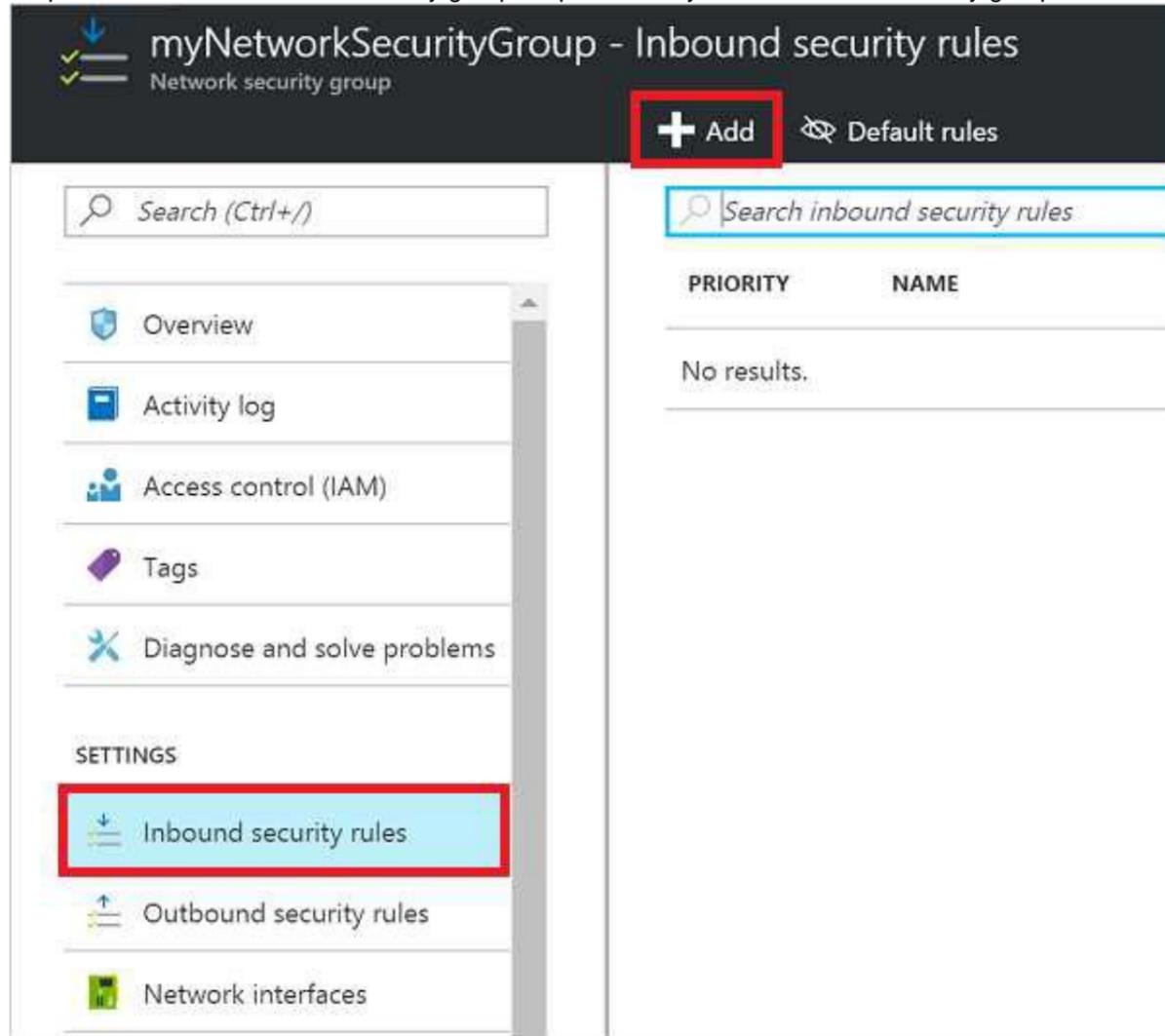
You need to allow RDP connections over TCP port 3389 to VM1 from the internet. The solution must prevent connections from the Internet over all other TCP ports.  
 What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

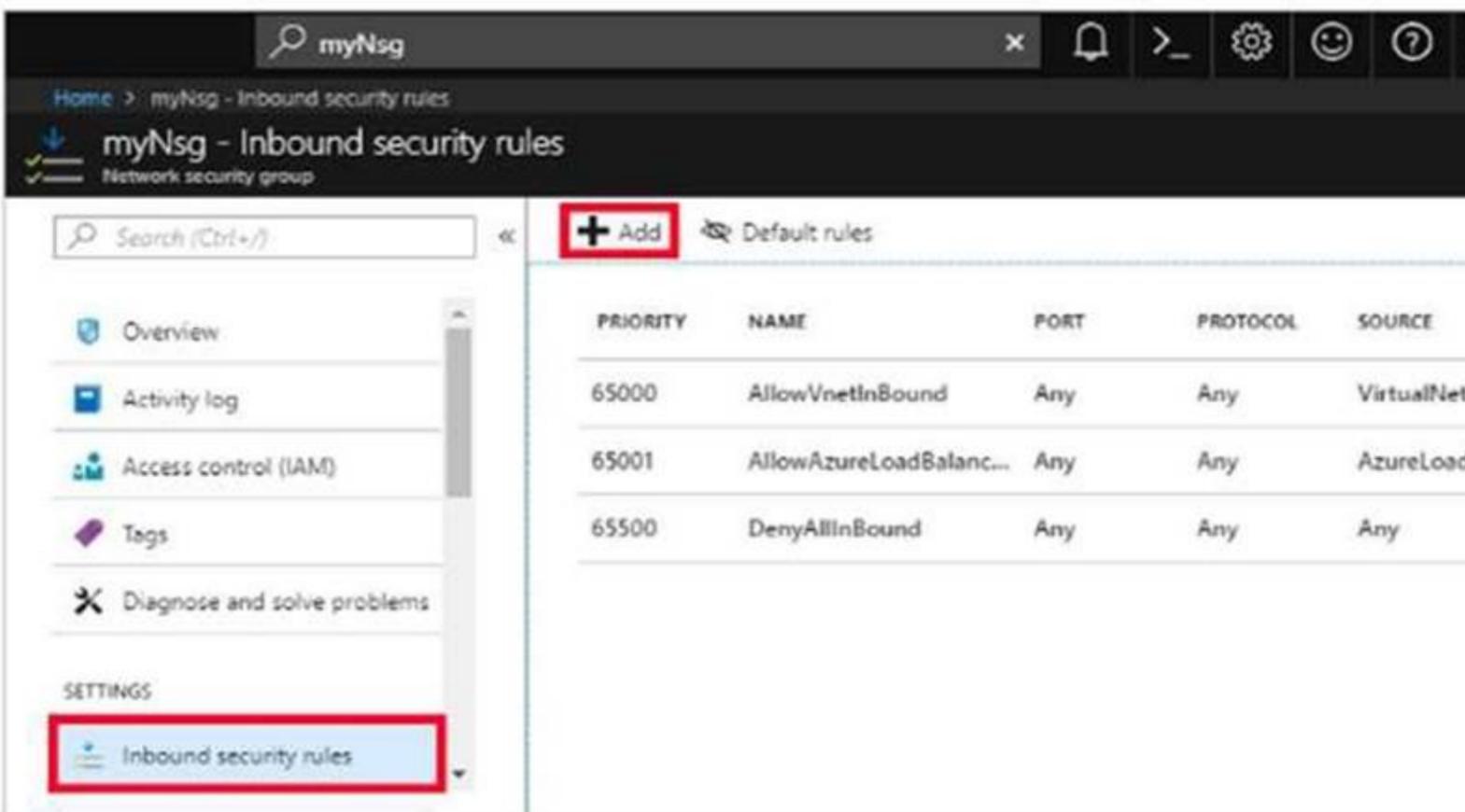
**Answer:** A

**Explanation:**

Step 1: Create a new network security group Step 2: Select your new network security group.



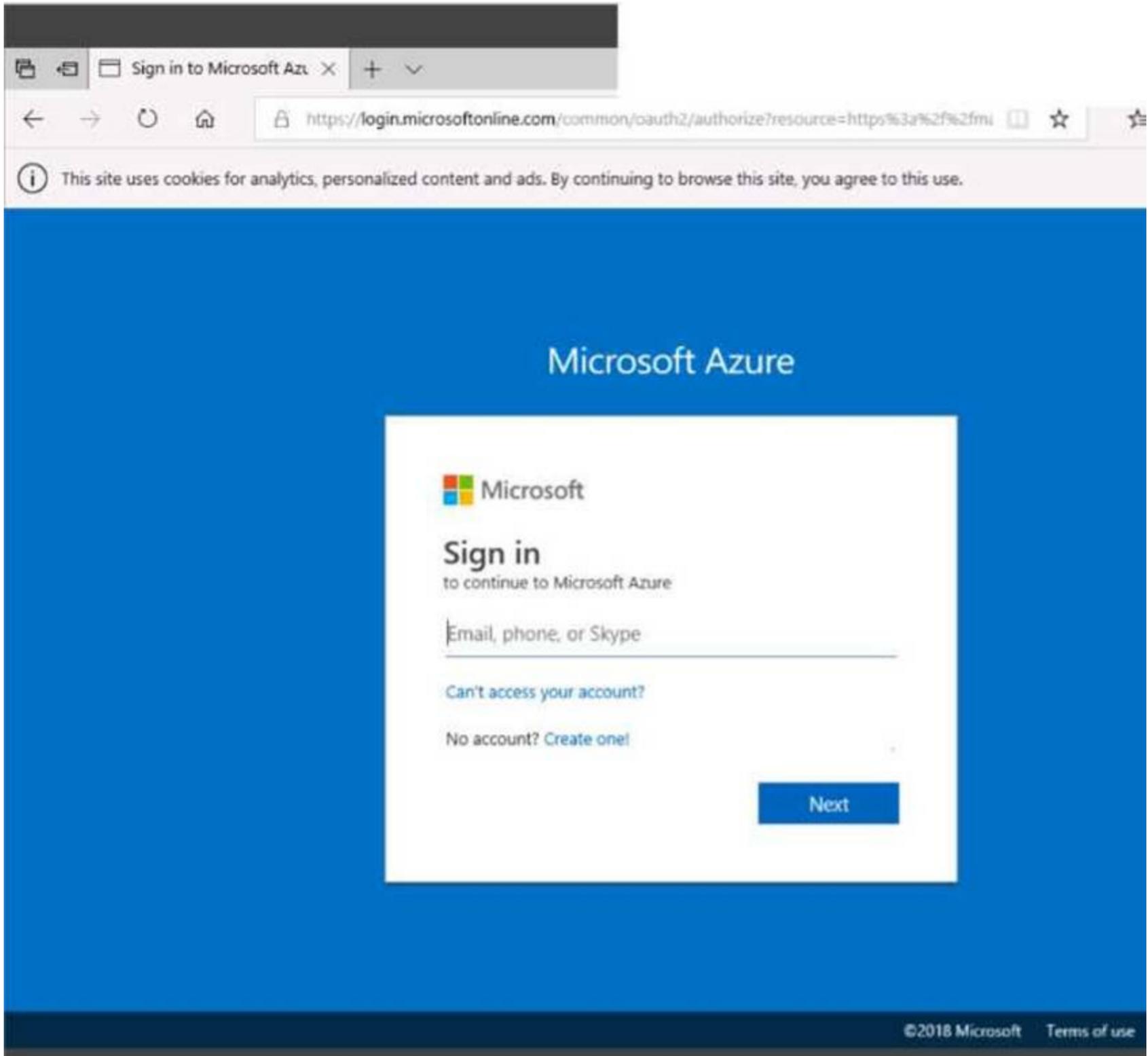
Step 3: Select Inbound security rules, . Under Add inbound security rule, enter the following  
 Destination: Select Network security group, and then select the security group you created previously. Destination port ranges: 3389  
 Protocol: Select TCP



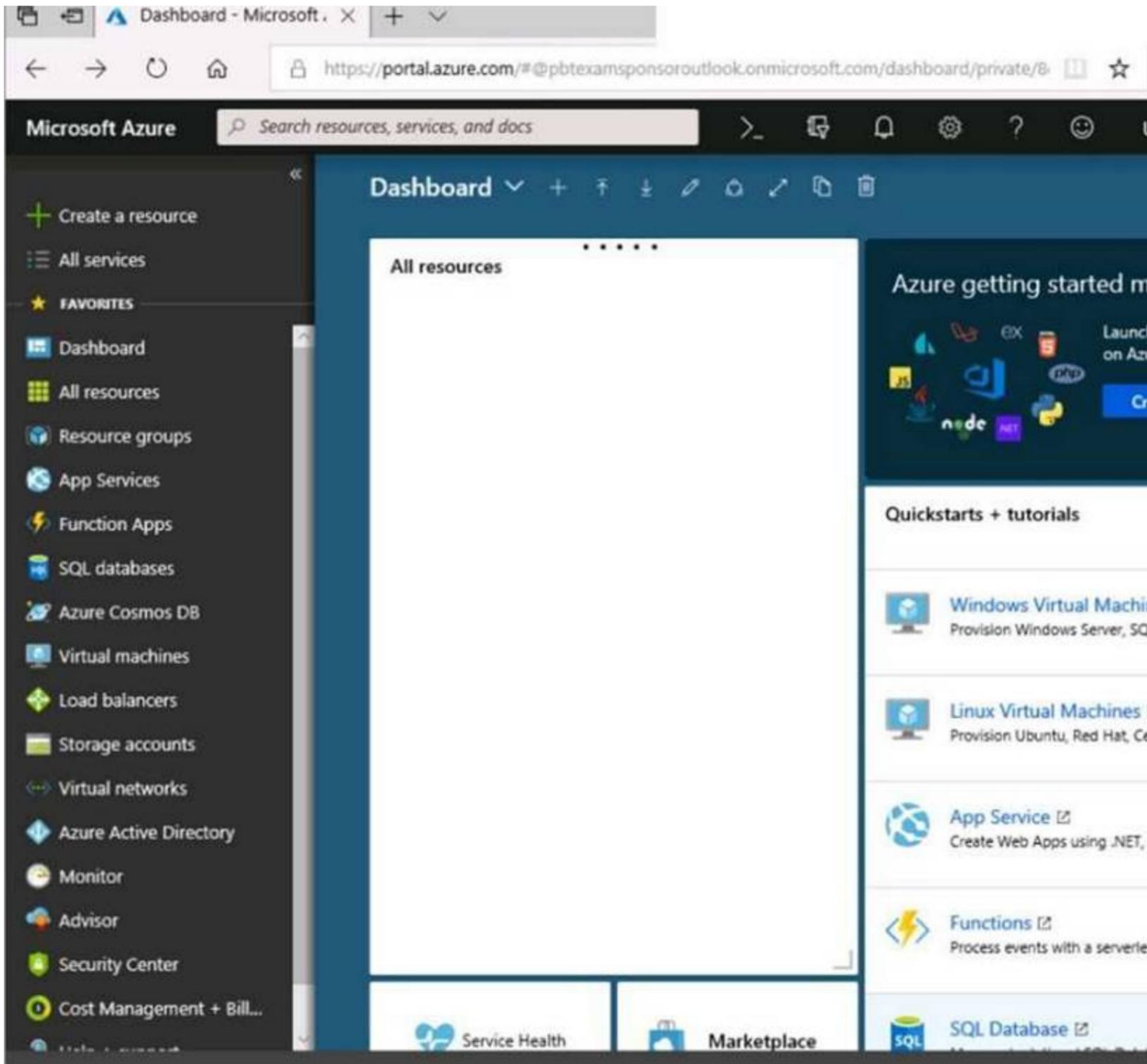
References: <https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-filter-network-traffic>

**NEW QUESTION 63**

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



The image shows a browser window with a single tab titled "Sign in to Microsoft Azu". The address bar shows the URL: <https://login.microsoftonline.com/common/oauth2/authorize?resource=https%3a%2f%2fmi>. A cookie notice is visible at the top of the page content, stating: "This site uses cookies for analytics, personalized content and ads. By continuing to browse this site, you agree to this use." The main content area has a blue background with the text "Microsoft Azure" centered at the top. Below this is a white sign-in card. The card features the Microsoft logo, the heading "Sign in", and the subtext "to continue to Microsoft Azure". There is a text input field labeled "Email, phone, or Skype". Below the input field are two links: "Can't access your account?" and "No account? Create one!". A blue "Next" button is positioned at the bottom right of the sign-in card. At the bottom of the page, there is a footer with the text "©2018 Microsoft Terms of use".



[Home](#) > [Storage accounts](#) > [Create storage account](#)

## Create storage account

Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

Submitting deployment...

Submitting the deployment template f  
'corpdata7523690'.

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdata7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

Delete Cancel Redeploy Refresh

Overview

Outputs

Inputs

Template

### ... Your deployment is underway

Check the status of your deployment, manage resources or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.



Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: [Microsoft AZ-100 5](#)  
Resource group: [corpdata1od7523690](#)

#### DEPLOYMENT DETAILS [\(Download\)](#)

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

RESOURCE	TYPE	STATUS	OPERATI...
----------	------	--------	------------

No results.

## Create a virtual machine

**!** Validation failed. Required information is missing or not valid.

Basics • Disks Networking Management Guest config Tags Review + create

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

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Standard D2s v3

by Microsoft

[Terms of use](#) | [Privacy policy](#)

**Pricing not available for this offering**

View [Pricing details](#) for more information.

Subscription credits apply ⓘ

**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

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

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

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#### Overview

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To start the lab

You may start the lab by clicking the Next button.

You plan to create 100 Azure virtual machines on each of the following three virtual networks:

? VNET1005a

? VNET1005b

? VNET1005c

All the network traffic between the three virtual networks will be routed through VNET1005 a.

You need to create the virtual networks, and then to ensure that all the Azure virtual machines can connect to other virtual machines by using their private IP address. The solution must NOT require any virtual network gateways and must minimize costs.

What should you do from the Azure portal before you configure IP routing?

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Step 1: Click Create a resource in the portal.

Step 2: Enter Virtual network in the Search the Marketplace box at the top of the New pane that appears. Click Virtual network when it appears in the search results.

Step 3: Select Classic in the Select a deployment model box in the Virtual Network pane that appears, then click Create.

Step 4: Enter the following values on the Create virtual network (classic) pane and then click Create: Name: VNET1005a

Address space: 10.0.0.0/16 Subnet name: subnet0 Resource group: Create new

Subnet address range: 10.0.0.0/24

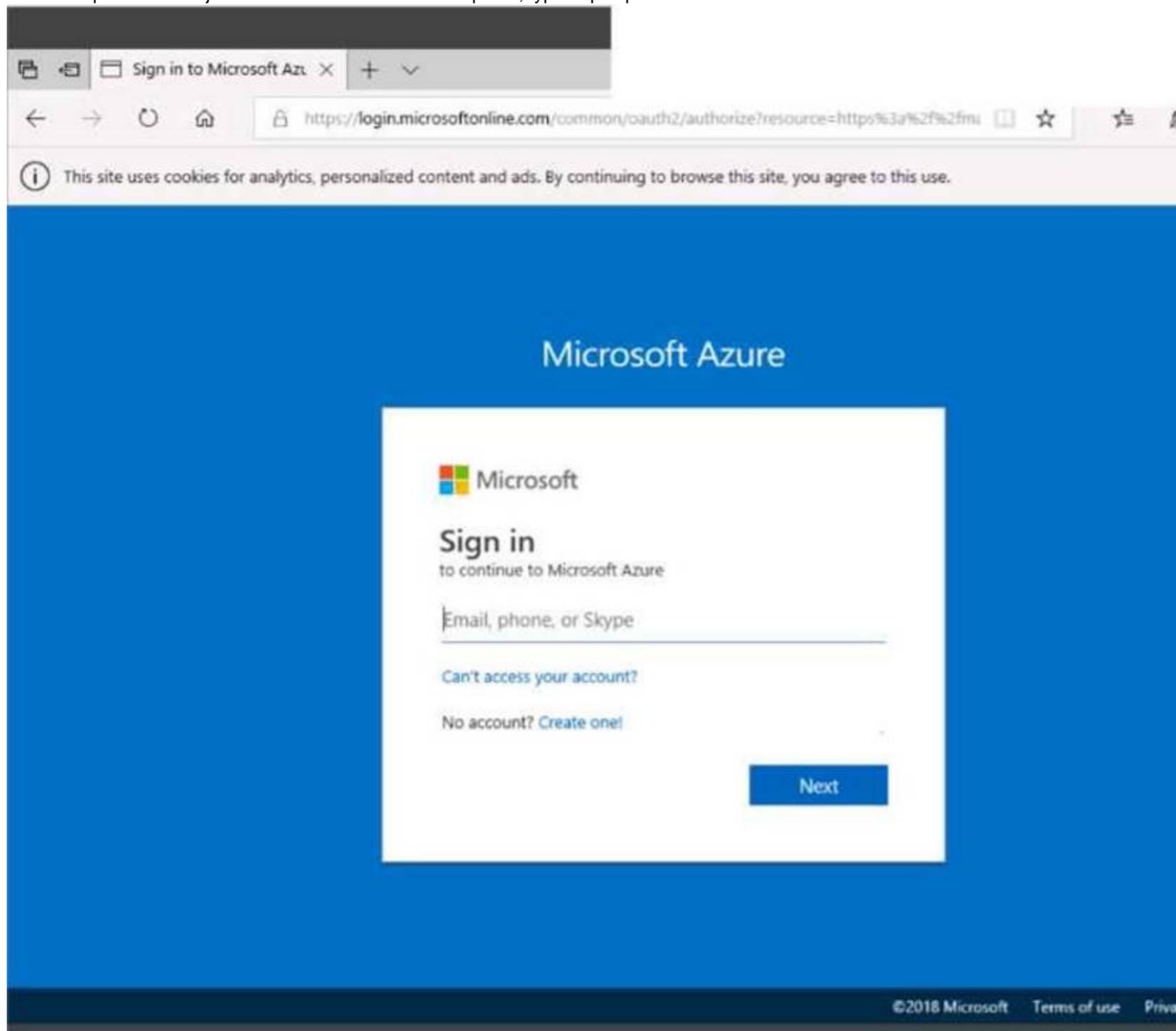
Subscription and location: Select your subscription and location.

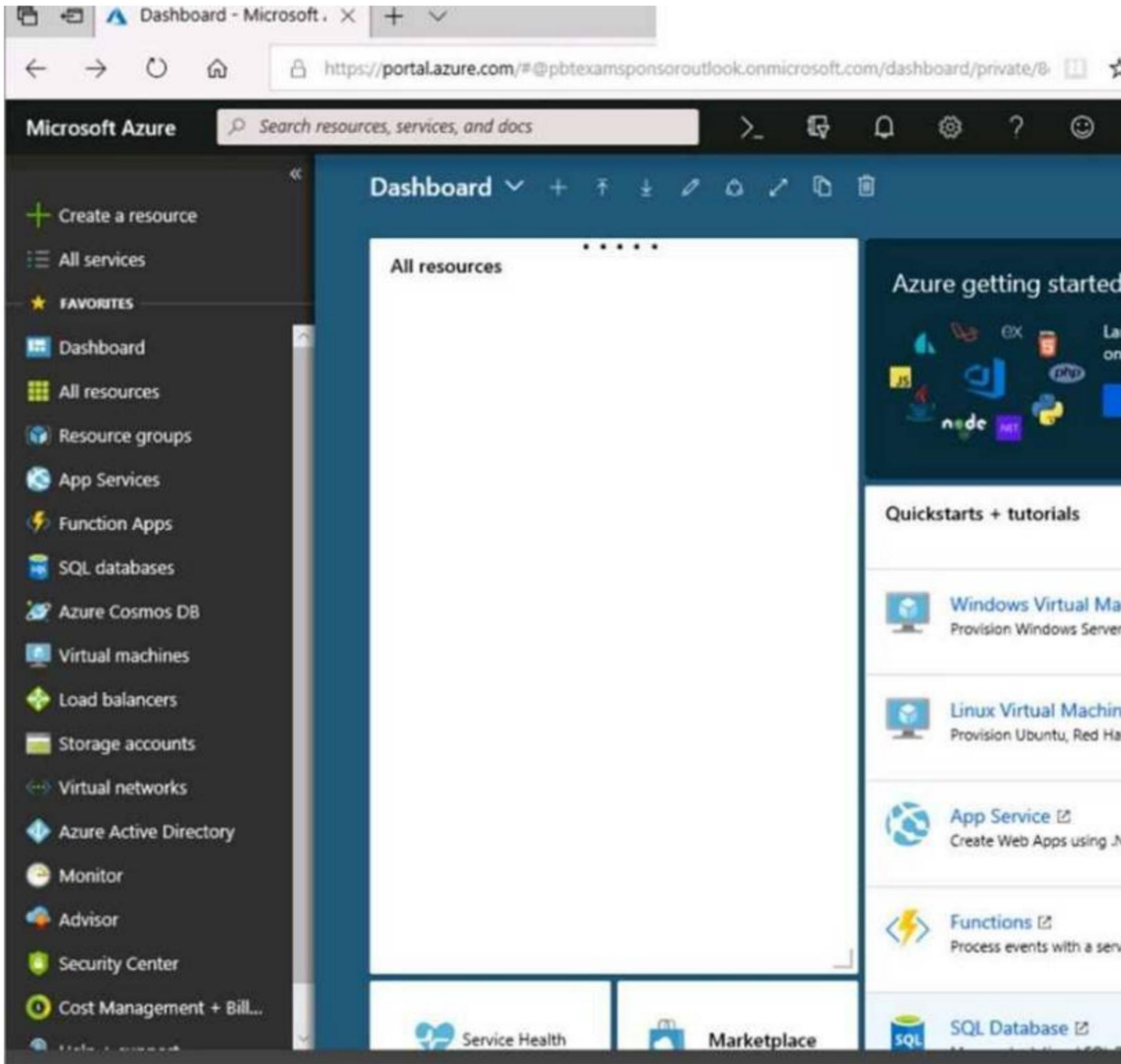
Step 5: Repeat steps 3-5 for VNET1005b (10.1.0.0/16, 10.1.0.0/24), and for VNET1005c 10.2.0.0/16, 10.2.0.0/24).

References: <https://docs.microsoft.com/en-us/azure/virtual-network/create-virtual-network-classic>

**NEW QUESTION 66**

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





[Home](#) > [Storage accounts](#) > [Create storage account](#)

## Create storage account

Validation passed

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### BASICS

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Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

\*\*\* Submitting deployment...  
Submitting the deployment template 'corpdatalod7523690'.

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### BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdatalod7523690
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Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

 Delete  Cancel  Redeploy  Refresh

 Overview

 Outputs

 Inputs

 Template

### Your deployment is underway

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 Subscription: [Microsoft AZ-100 5](#)  
 Resource group: [corpdata1od7523690](#)

#### DEPLOYMENT DETAILS [\(Download\)](#)

Start time: 10/11/2018 5:04:06 PM  
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RESOURCE	TYPE	STATUS	OPERATI...
----------	------	--------	------------

No results.

## Create a virtual machine

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Basics • Disks Networking Management Guest config Tags Review + create

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

[Terms of use](#) | [Privacy policy](#)

Standard D2s v3

by Microsoft

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Subscription credits apply 

**0.0960 USD/hr**

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To start the lab

You may start the lab by clicking the Next button.

You plan to deploy several Azure virtual machines and to connect them to a virtual network named VNET1007.

You need to ensure that future virtual machines in VNET1007 can register their name in an internal DNS zone named corp7523690.com. The zone must NOT be hosted on a virtual machine.

What should you do from Azure Cloud Shell?

To complete this task, start Azure Cloud Shell and select PowerShell(Linux). Click Show Advanced Settings, and then enter corp7523690n1 in the Storage account text box and File1 in the File share text box. Click Create storage, and then complete the task.

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Step 1: New-AzureRMResourceGroup -name MyResourceGroup

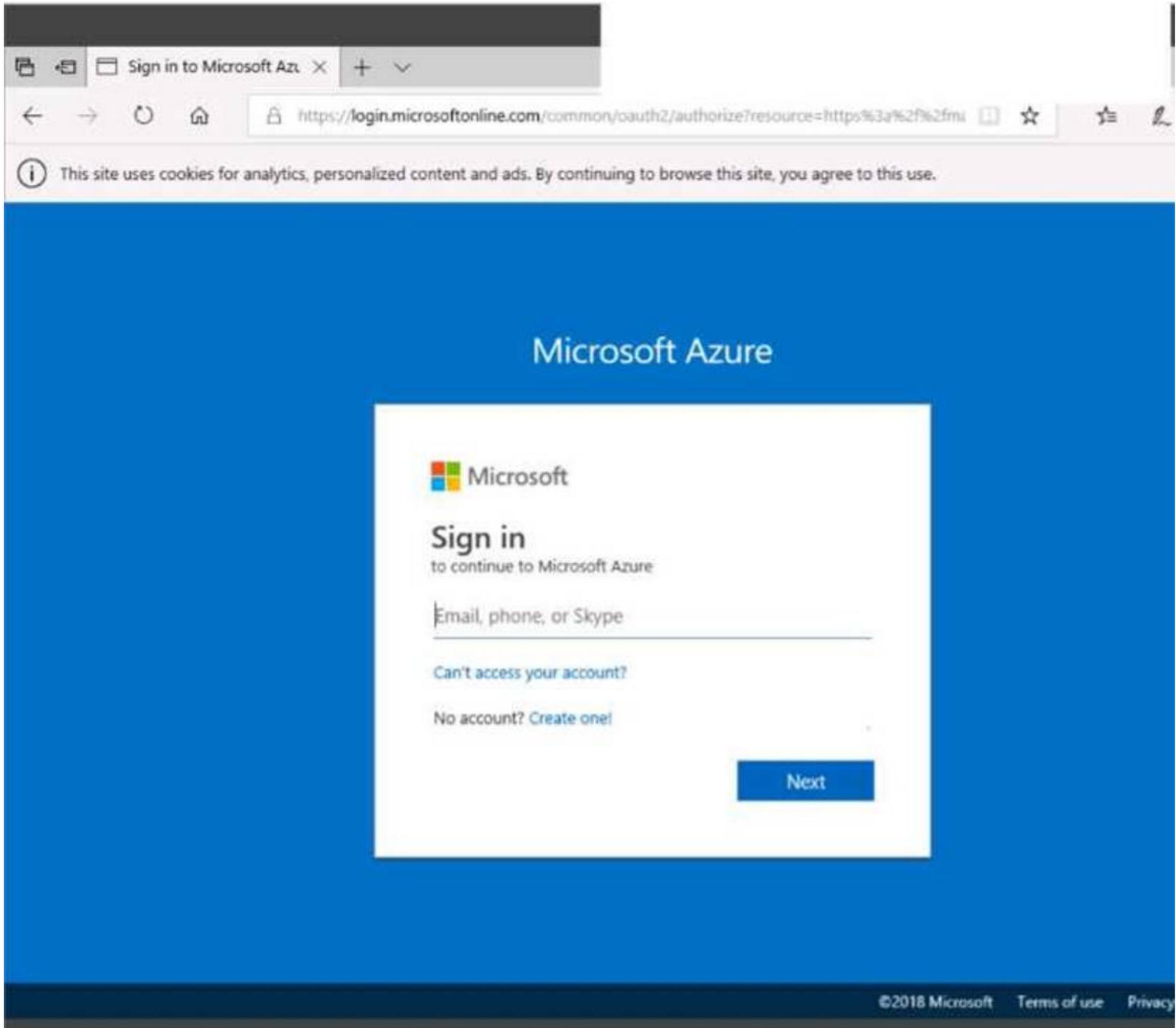
Before you create the DNS zone, create a resource group to contain the DNS zone.

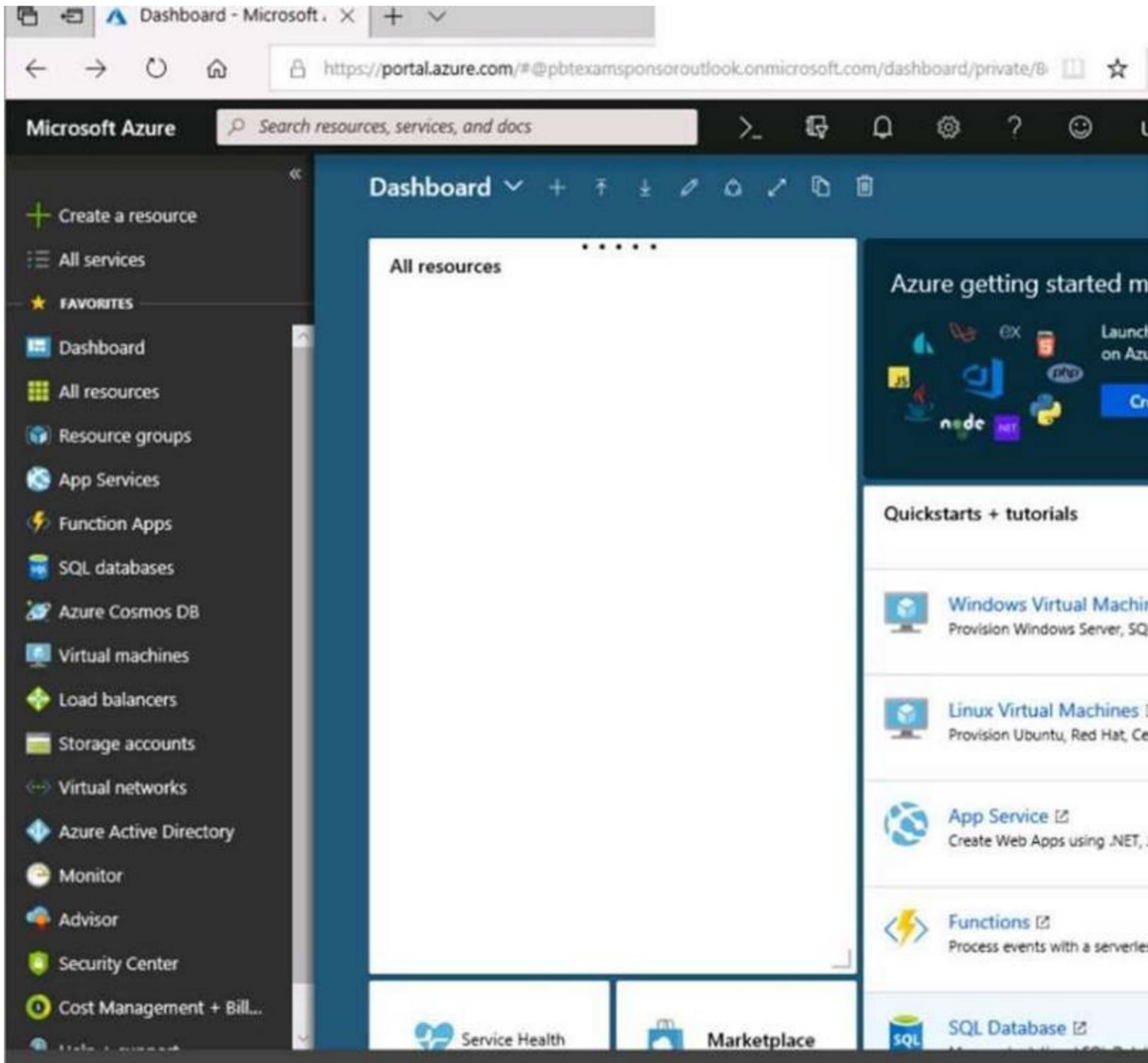
Step 2: New-AzureRmDnsZone -Name corp7523690.com -ResourceGroupName MyResourceGroup A DNS zone is created by using the New-AzureRmDnsZone cmdlet. This creates a DNS zone called corp7523690.com in the resource group called MyResourceGroup.

References: <https://docs.microsoft.com/en-us/azure/dns/dns-getstarted-powershell>

### NEW QUESTION 68

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





## Create storage account

Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

[Next](#)

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## Create storage account

Submitting deployment...

Submitting the deployment template for resource 'corpdata7523690'.

Basics   **Advanced**   Tags   Review + create

### BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdata7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

Delete   Cancel   Redeploy   Refresh

Overview

Outputs

Inputs

Template

### Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.



Deployment  
 name: Microsoft.StorageAccount-20181011170335  
 Subscription: [Microsoft AZ-100 5](#)  
 Resource group: [corpdata7523690](#)

#### DEPLOYMENT DETAILS [\(Download\)](#)

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

RESOURCE	TYPE	STATUS	OPERATI...
----------	------	--------	------------

No results.

## Create a virtual machine

 Validation failed. Required information is missing or not valid.

Basics • Disks Networking Management Guest config Tags Review + create

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

[Terms of use](#) | [Privacy policy](#)

Standard D2s v3

by Microsoft

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**Pricing not available for this offering**

View [Pricing details](#) for more information.

Subscription credits apply 

**0.0960 USD/hr**

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### TERMS

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

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

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

#### Overview

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

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

To start the lab

You may start the lab by clicking the Next button.

You need to create a virtual network named VNET1008 that contains three subnets named subnet0, subnet1, and subnet2. The solution must meet the following requirements:

- ? Connections from any of the subnets to the Internet must be blocked.
- ? Connections from the Internet to any of the subnets must be blocked.
- ? The number of network security groups (NSGs) and NSG rules must be minimized.

What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Step 1: Click Create a resource in the portal.

Step 2: Enter Virtual network in the Search the Marketplace box at the top of the New pane that appears. Click Virtual network when it appears in the search results.

Step 3: Select Classic in the Select a deployment model box in the Virtual Network pane that appears, then click Create.

Step 4: Enter the following values on the Create virtual network (classic) pane and then click Create: Name: VNET1008

Address space: 10.0.0.0/16 Subnet name: subnet0 Resource group: Create new

Subnet address range: 10.0.0.0/24

Subscription and location: Select your subscription and location.

Step 5: In the portal, you can create only one subnet when you create a virtual network. Click Subnets (in the SETTINGS section) on the Create virtual network (classic) pane that appears.

Click +Add on the VNET1008 - Subnets pane that appears.

Step 6: Enter subnet1 for Name on the Add subnet pane. Enter 10.0.1.0/24 for Address range. Click OK.

Step 7: Create the third subnet: Click +Add on the VNET1008 - Subnets pane that appears. Enter subnet2 for Name on the Add subnet pane. Enter 10.0.2.0/24 for Address range. Click OK. References: <https://docs.microsoft.com/en-us/azure/virtual-network/create-virtual-network-classic>

#### NEW QUESTION 72

You have an Azure tenant that contains two subscriptions named Subscription1 and Subscription2. In Subscription1, you deploy a virtual machine named Server1 that runs Windows Server 2016. Server1 uses managed disks. You need to move Server1 to Subscription2. The solution must minimize administration effort. What should you do first?

- A. In Subscription2, create a copy of the virtual disk.
- B. From Azure PowerShell, run the Move-AzureRmResource cmdlet.
- C. Create a snapshot of the virtual disk.
- D. Create a new virtual machine in Subscription2.

**Answer: B**

**Explanation:**

To move existing resources to another resource group or subscription, use the Move-AzureRmResource cmdlet. References: <https://docs.microsoft.com/en-in/azure/azure-resource-manager/resource-group-move-resources#moveresources>

**NEW QUESTION 73**

**Overview**

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design. Scoring is based on the outcome of performing the tasks stated in the lab. In other words, it doesn't matter how you accomplish the task, if you successfully perform it, you will earn credit for that task. Labs are not timed separately, and this exam may have more than one lab that you must complete. You can use as much time as you would like to complete each lab. But, you should manage your time appropriately to ensure that you are able to complete the lab(s) and all other sections of the exam in the time provided.

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

To start the lab

You may start the lab by clicking the Next button.

Your company plans to host in Azure the source files of several line-of-business applications.

You need to create an Azure file share named corpsoftware in the storagelod8095859 storage account. The solution must ensure the corpsoftware can store only up to 250 GB of data.

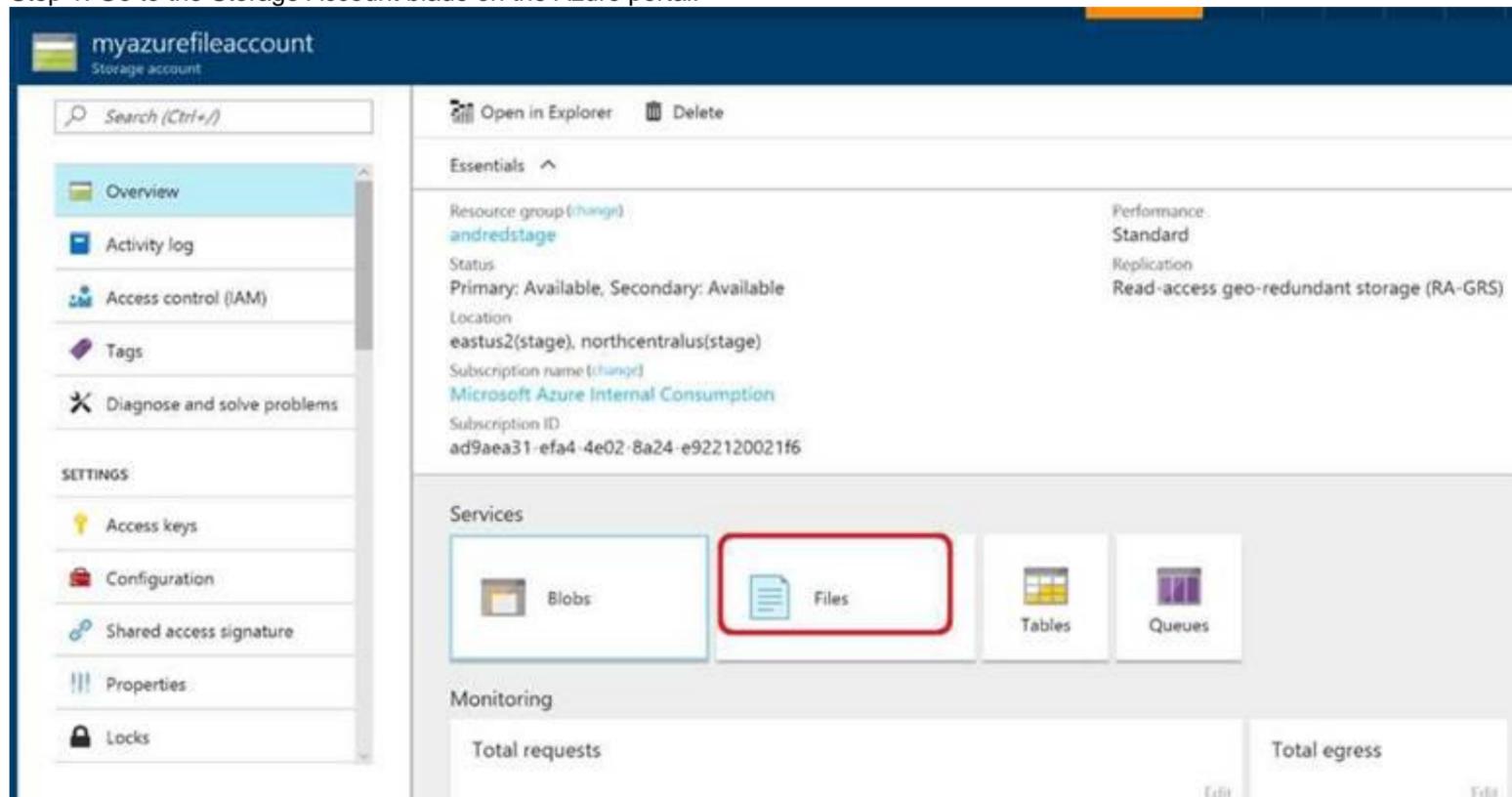
What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

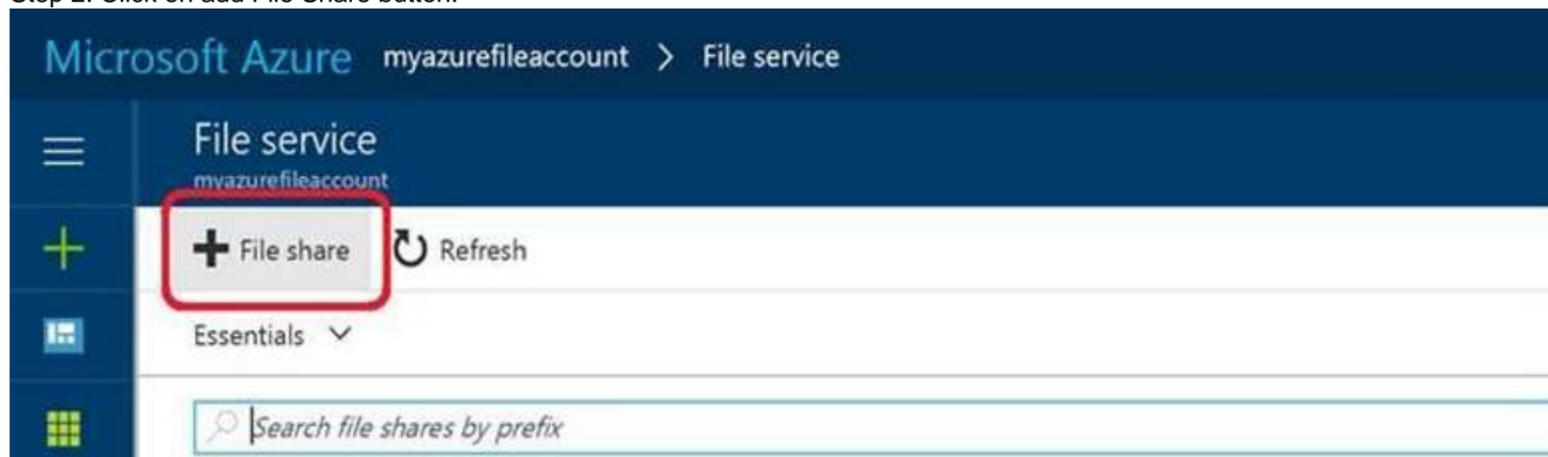
**Answer: A**

**Explanation:**

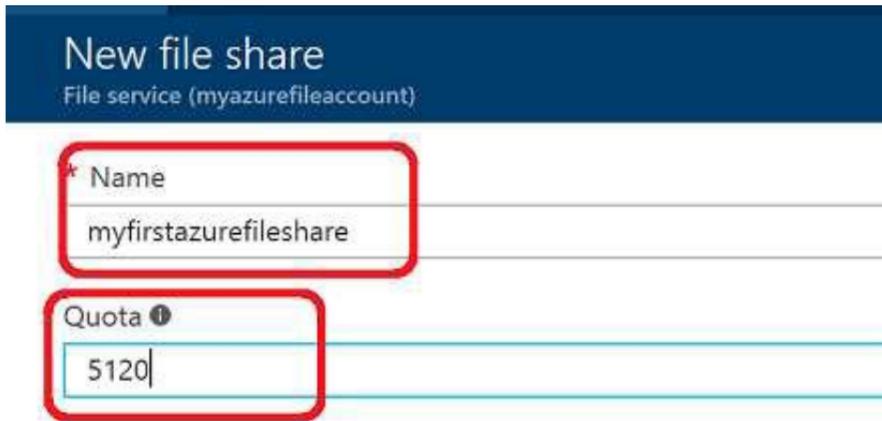
Step 1. Go to the Storage Account blade on the Azure portal:



Step 2. Click on add File Share button:



Step 3. Provide Name (storagelod8095859) and Quota (250 GB).



References:  
<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share>

**NEW QUESTION 74**

You have two Azure virtual machines named VM1 and VM2. You have two Recovery Services vaults named RSV1 and RSV2. VM2 is protected by RSV1.

You need to use RSV2 to protect VM2. What should you do first?

- A. From the RSV1 blade, click Backup items and stop the VM2 backup.
- B. From the RSV1 blade, click Backup Jobs and export the VM2 backup.
- C. From the RSV1 blade, click Backu
- D. From the Backup blade, select the backup for the virtual machine, and then click Backup.
- E. From the VM2 blade, click Disaster recovery, click Replication settings, and then select RSV2 as the Recovery Services vault.

**Answer:** D

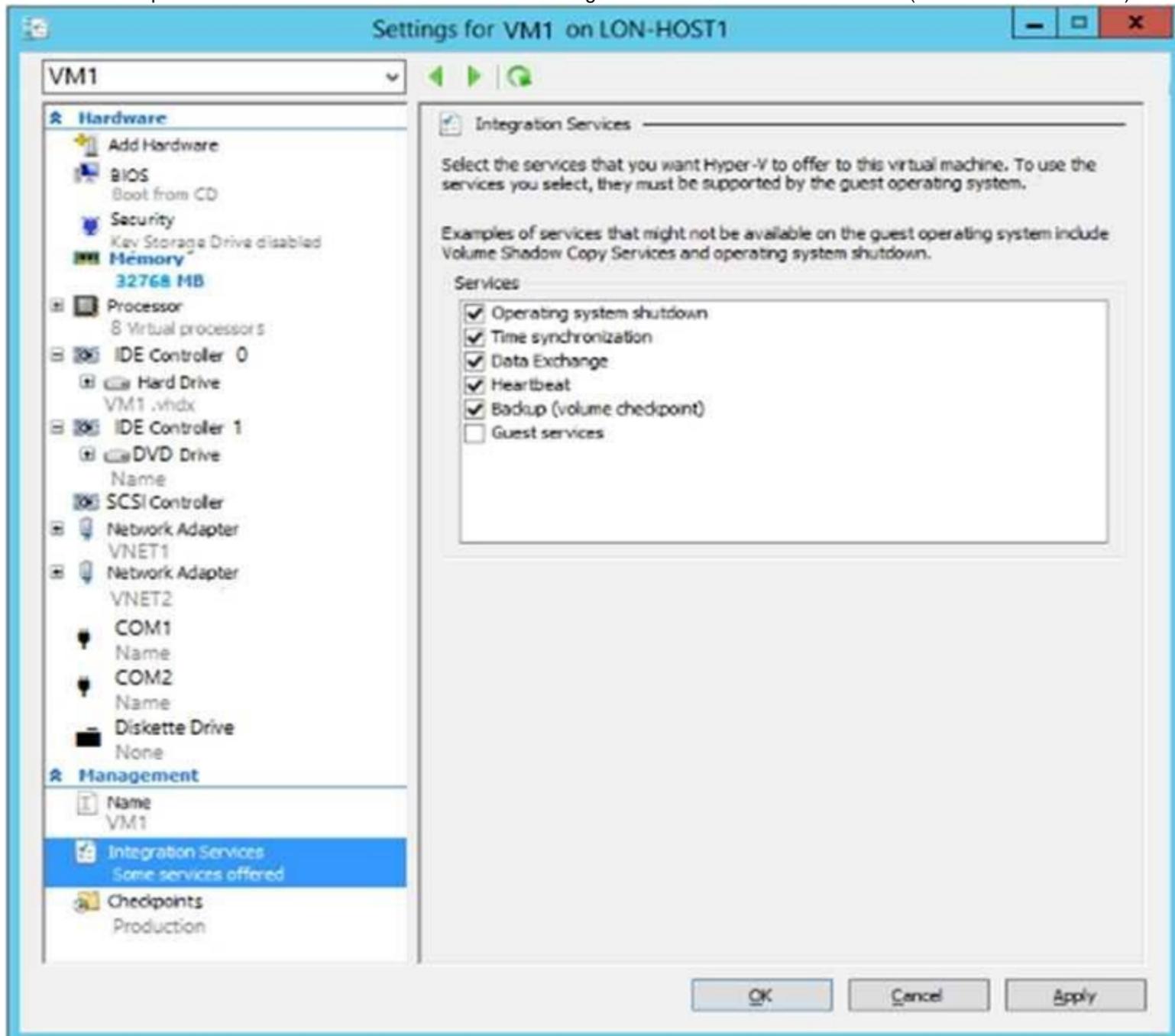
**Explanation:**

References:  
<https://docs.microsoft.com/en-us/azure/backup/backup-azure-vms-first-look-arm>

**NEW QUESTION 75**

You have an Azure subscription.

You have an on-premises virtual machine named VM1. The settings for VM1 are shown in the exhibit. (Click the Exhibit button.)



You need to ensure that you can use the disks attached to VM1 as a template for Azure virtual machines.

What should you modify on VM1?

- A. Integration Services
- B. the network adapters
- C. the memory
- D. the hard drive
- E. the processor

**Answer:** D

**Explanation:**

From the exhibit we see that the disk is in the VHDX format.

Before you upload a Windows virtual machines (VM) from on-premises to Microsoft Azure, you must prepare the virtual hard disk (VHD or VHDX). Azure supports only generation 1 VMs that are in the VHD file format and have a fixed sized disk. The maximum size allowed for the VHD is 1,023 GB. You can convert a generation 1 VM from the VHDX file system to VHD and from a dynamically expanding disk to fixed-sized. References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepare-for-upload-vhd-image?toc=%2fazure%2fvirtual-machines%2fwindows%2ftoc.json>

**NEW QUESTION 76**

Overview

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

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

To start the lab

You may start the lab by clicking the Next button.

You recently created a virtual machine named Web01.

You need to attach a new 80-GB standard data disk named Web01-Disk1 to Web01.

What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

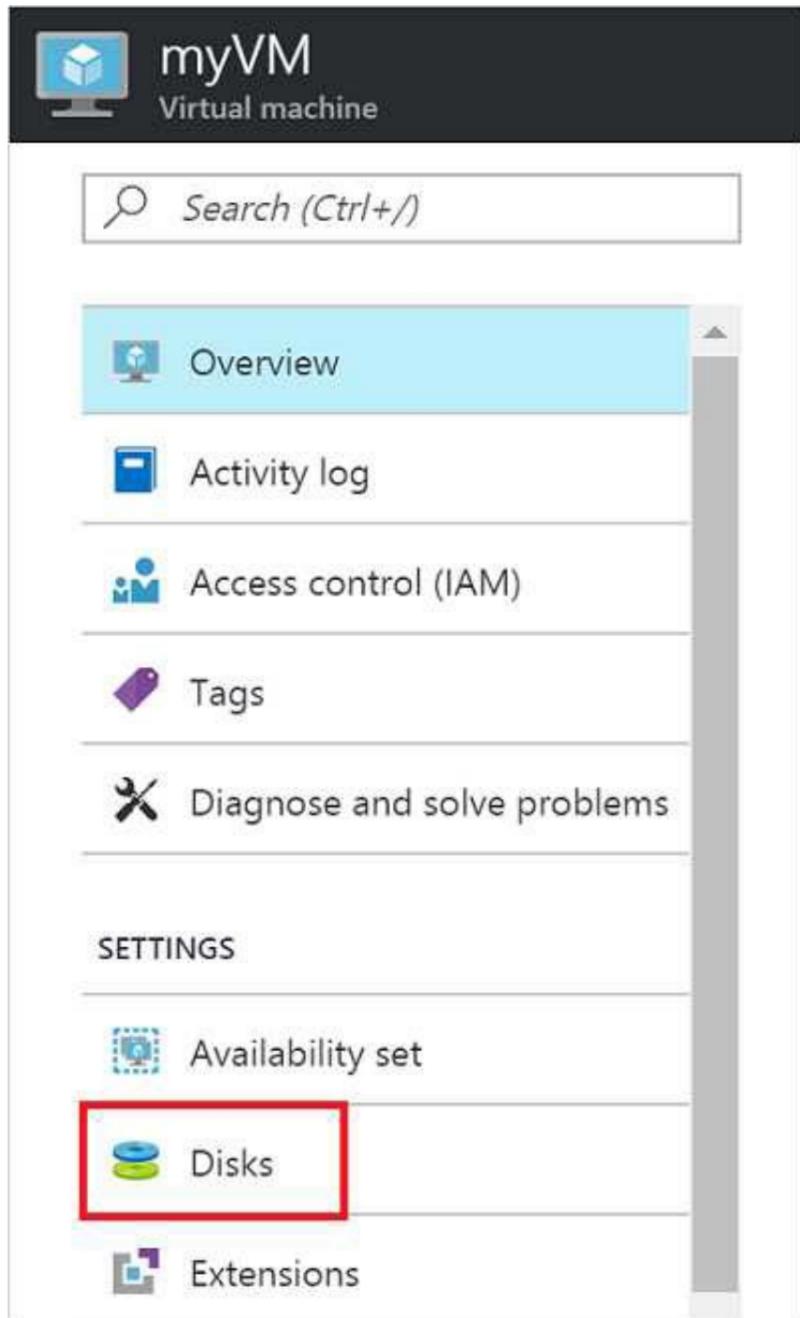
**Answer:** A

**Explanation:**

Add a data disk

Step 1. In the Azure portal, from the menu on the left, select Virtual machines. Step 2. Select the Web01 virtual machine from the list.

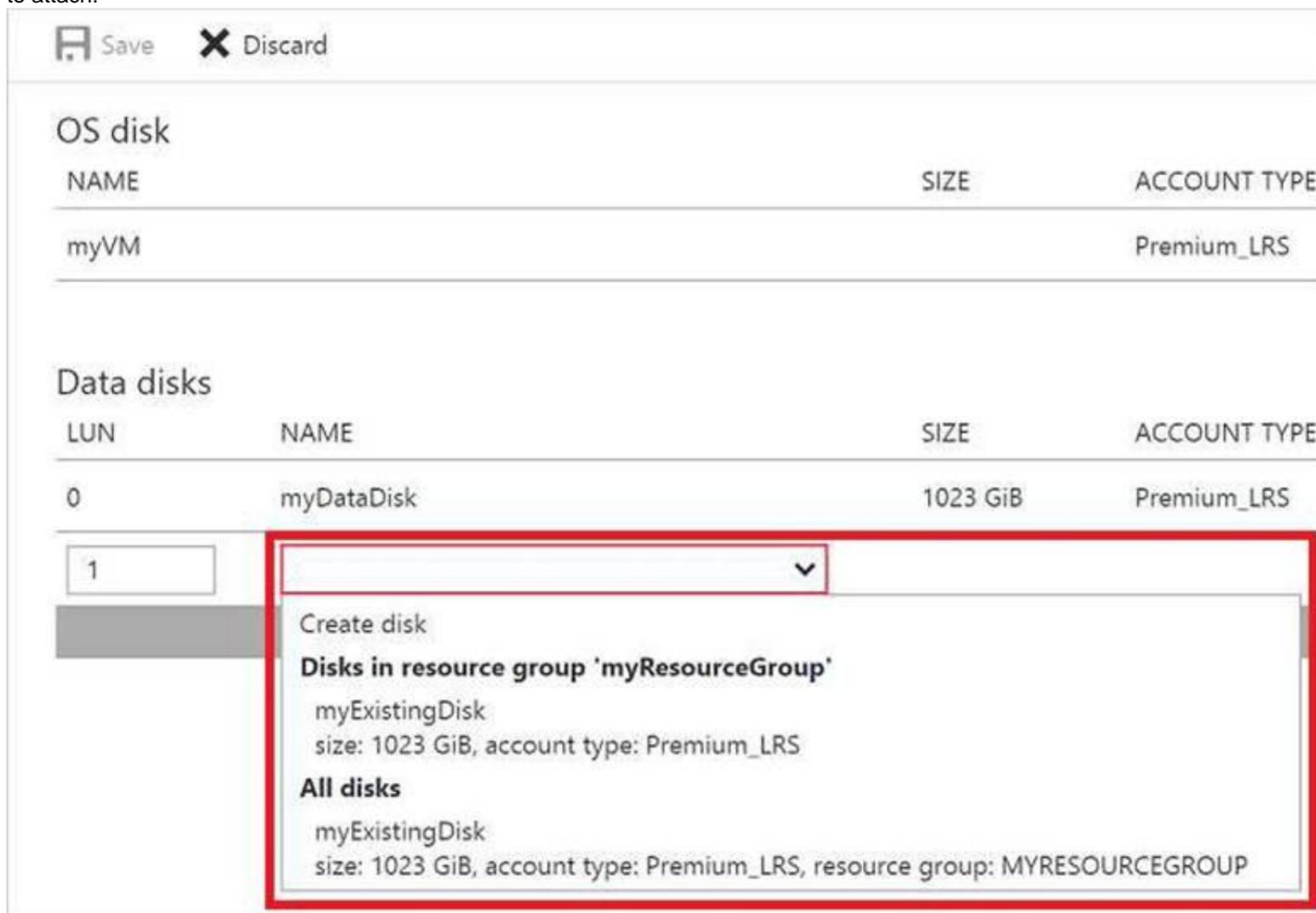
Step 3. On the Virtual machine page, , in Essentials, select Disks.



Step 4. On the Disks page, select the Web01-Disk1 from the list of existing disks.

Step 5. In the Disks pane, click + Add data disk.

Step 6. Click the drop-down menu for Name to view a list of existing managed disks accessible to your Azure subscription. Select the managed disk Web01-Disk1 to attach:



References:  
<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/attach-disk-portal>

**NEW QUESTION 78**

### Overview

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

Scoring is based on the outcome of performing the tasks stated in the lab. In other words, it doesn't matter how you accomplish the task, if you successfully perform it, you will earn credit for that task. Labs are not timed separately, and this exam may have more than one lab that you must complete. You can use as much time as you would like to complete each lab. But, you should manage your time appropriately to ensure that you are able to complete the lab(s) and all other sections of the exam in the time provided.

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

To start the lab

You may start the lab by clicking the Next button.

You plan to allow connections between the VNET01-USEA2 and VNET01-USWE2 virtual networks. You need to ensure that virtual machines can communicate across both virtual networks by using their private IP address. The solution must NOT require any virtual network gateways.

What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

**Answer: A**

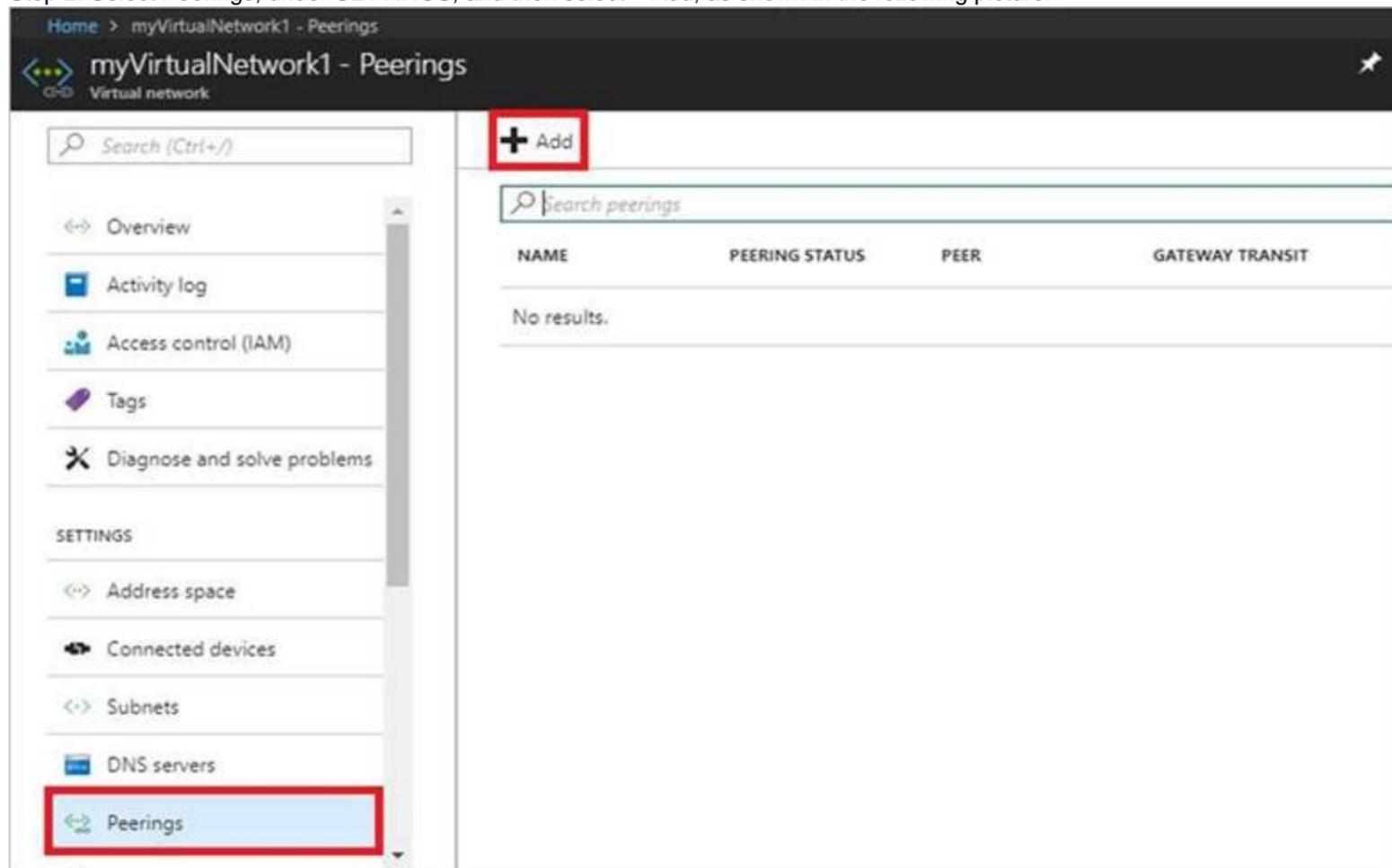
### Explanation:

Virtual network peering enables you to seamlessly connect two Azure virtual networks. Once peered, the virtual networks appear as one, for connectivity purposes.

Peer virtual networks

Step 1. In the Search box at the top of the Azure portal, begin typing VNET01-USEA2. When VNET01-USEA2 appears in the search results, select it.

Step 2. Select Peerings, under SETTINGS, and then select + Add, as shown in the following picture:



Step 3. Enter, or select, the following information, accept the defaults for the remaining settings, and then select OK.

Name: myVirtualNetwork1-myVirtualNetwork2 (for example) Subscription: elect your subscription.

Virtual network: VNET01-USWE2 - To select the VNET01-USWE2 virtual network, select Virtual network, then select VNET01-USWE2. You can select a virtual network in the same region or in a different region.

Now we need to repeat steps 1-3 for the other network VNET01-USWE2:

Step 4. In the Search box at the top of the Azure portal, begin typing VNET01- USEA2. When VNET01- USEA2 appears in the search results, select it.

Step 5. Select Peerings, under SETTINGS, and then select + Add. References:

<https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-connect-virtual-networks-portal>

### NEW QUESTION 79

#### 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.

Statements	Yes	No
The virtual machines of Subnet1 will be able to connect to the virtual machines on Subnet3.	<input type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>
The virtual machines on Subnet3 and Subnet4 will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

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

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2 Box 2: Yes

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

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

Box 3: No

Only VMs in the registration network, here the ClientResources-VNet, will be able to register hostname records.

References:

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

**NEW QUESTION 80**

**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.

**Answer Area**

If you run the query on Monday, the query will return the events from the last [answer choice].

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

The query results will be displayed in a [answer choice].

- table that has two columns
- 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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: 14 days

Two weeks will be covered.

Note: Startofweek returns the start of the week containing the date, shifted by an offset, if provided. Start of the week is considered to be a Sunday.

Endofweek returns the end of the week containing the date, shifted by an offset, if provided. Last day of the week is considered to be a Saturday.

Box 2:

The render operator renders results in as graphical output. Timechart is a Line graph, where the first column is x-axis, and should be datetime. Other columns are y-axes. In this case the Y axis has avg(CounterValue) Values.

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/log-query-overview>  
[https://docs-analytics-eus.azurewebsites.net/QueryLanguage/query\\_language\\_renderoperator.html](https://docs-analytics-eus.azurewebsites.net/QueryLanguage/query_language_renderoperator.html)

**NEW QUESTION 85**

DRAG DROP

You have an Azure subscription that contains an Azure file share.

You have an on-premises server named Server1 that runs Windows Server 2016. You plan to set up Azure File Sync between Server1 and the Azure file share.

You need to prepare the subscription for the planned Azure File Sync.

Which two actions should you perform in the Azure subscription? To answer, drag the appropriate actions to the correct targets. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Actions		Answer Area
Create a Storage Sync Service		First action: <input type="text" value="Action"/>
Create a sync group	➔	Second action: <input type="text" value="Action"/>
Install the Azure File Sync agent	⬅	
Run Server Registration		

- A. Mastered
- B. Not Mastered

**Answer:** A

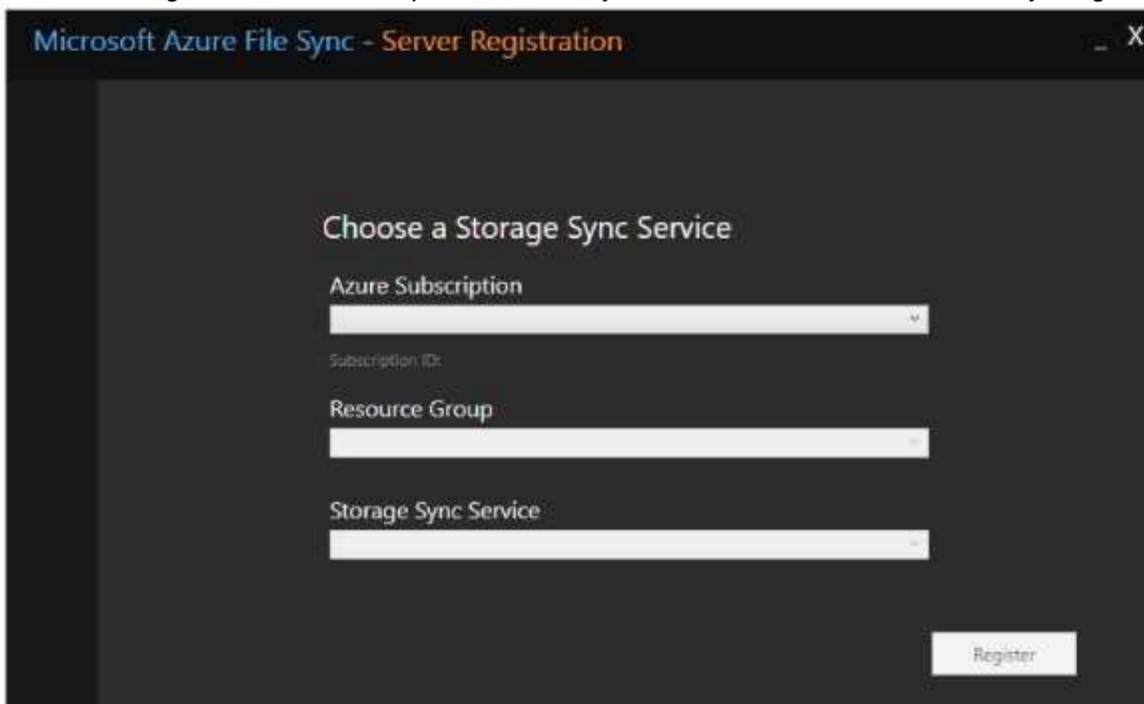
**Explanation:**

First action: Create a Storage Sync Service

The deployment of Azure File Sync starts with placing a Storage Sync Service resource into a resource group of your selected subscription.

Second action: Run Server Registration

Registering your Windows Server with a Storage Sync Service establishes a trust relationship between your server (or cluster) and the Storage Sync Service. A server can only be registered to one Storage Sync Service and can sync with other servers and Azure file shares associated with the same Storage Sync Service. The Server Registration UI should open automatically after installation of the Azure File Sync agent.



Incorrect Answers:

Not Install the Azure File Sync agent: The Azure File Sync agent is a downloadable package that enables Windows Server to be synced with an Azure file share.

**NEW QUESTION 88**

HOTSPOT

You need to create an Azure Storage account that meets the following requirements:

- Minimizes costs
- Supports hot, cool, and archive blob tiers
- Provides fault tolerance if a disaster affects the Azure region where the account resides

How should you complete the command? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point

**Answer Area**

```
az storage account create -g RG1 -n storageaccount1
--kind BlobStorage Storage StorageV2 --sku Standard_GRS Standard_LRS Standard_RAGRS Premium_LRS
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: StorageV2

You may only tier your object storage data to hot, cool, or archive in Blob storage and General Purpose v2 (GPv2) accounts. General Purpose v1 (GPv1) accounts do not support tiering.

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

Box 2: Standard\_GRS

Geo-redundant storage (GRS): Cross-regional replication to protect against region-wide unavailability. Incorrect Answers:

Locally-redundant storage (LRS): A simple, low-cost replication strategy. Data is replicated within a single storage scale unit.

Read-access geo-redundant storage (RA-GRS): Cross-regional replication with read access to the replica. RA-GRS provides read-only access to the data in the secondary location, in addition to geo- replication across two regions, but is more expensive compared to GRS.

References:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy-grs> <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

**NEW QUESTION 91**

HOTSPOT

You have an Azure subscription named Subscription1 that is associated to an Azure Active Directory (Azure AD) tenant named AAD1.

Subscription1 contains the objects in the following table:

Name	Type
Share1	Azure file share
Account1	Azure Storage account
RG1	Resource group
Vault1	Recovery Services vault

You plan to create a single backup policy for Vault1. To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

You can create an Azure backup policy for:

- AAD1 only
- Account1 only
- RG1 only
- Share1 only
- AAD1 and Share1 only
- AAD1, Share1 and Account1 only
- AAD1, Share1, Account1, and RG1

In the backup policy that you create, you can configure the backups to be retained for up to:

- 7 days
- 31 days
- 90 days
- 120 days
- 365 days
- 99 years

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: RG1 only Box 2: 99 years

With the latest update to Azure Backup, customers can retain their data for up to 99 years in Azure. Note: A backup policy defines a matrix of when the data snapshots are taken, and how long those snapshots are retained.

The backup policy interface looks like this:

\* Policy name

Backup frequency  
 Daily 5:30 AM Local Time (UTC-07:00)

Retention range

Retention of daily backup point.  
 At 5:30 AM For 180 Day(s)

Retention of weekly backup point.  
 On Sunday At 5:30 AM For 104 Week(s)

Retention of monthly backup point.  
 Week Based Day Based  
 On First Day Sunday At 5:30 AM For 60 Month(s)

Retention of yearly backup point.  
 Week Based Day Based  
 In January On First Day Sunday At 5:30 AM For 10 Year(s)

References: <https://docs.microsoft.com/en-us/azure/backup/backup-azure-vms-first-look-arm#defining-a-backup-policy>

<https://blogs.microsoft.com/firehose/2015/02/16/february-update-to-azure-backup-includes-data-retention-up-to-99-years-offline-backup-and-more/>

**NEW QUESTION 94**

**HOTSPOT**

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

Home > Storage accounts > contoso Firewalls and virtual networks

contoso – Firewalls and virtual networks

Storage account

Search (Ctrl+F)

Save Discard

Allow access from  
 All networks  Selected networks  
 Configure network security for your storage accounts. [Learn more.](#)

Virtual networks  
 Secure your storage account with virtual networks. [+ Add existing virtual network](#)  
[+ Add new virtual network](#)

VIRTUAL NETWORK	SUBNET	ADDRESS RANGE	ENDPOINT STATUS	RESOURCE GROUP	SUBSCRIPTION
Vnet1	1	10.2.0.0/16		DemoRG	Production subscrip... . . .
Prod		10.2.0.0/24	✓ Enabled	DemoRG	Production subscrip... . . .

Firewall  
 Add IP ranges to allow access from the internet or your on-premises networks. [Learn more.](#)

ADDRESS RANGE

Exceptions  
 Allow trusted Microsoft services to access this storage account  
 Allow read access to storage logging from any network  
 Allow read access to storage metrics from any network

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

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

▼

always

during a backup

never

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

▼

always

during a backup

never

- A. Mastered
- B. Not Mastered

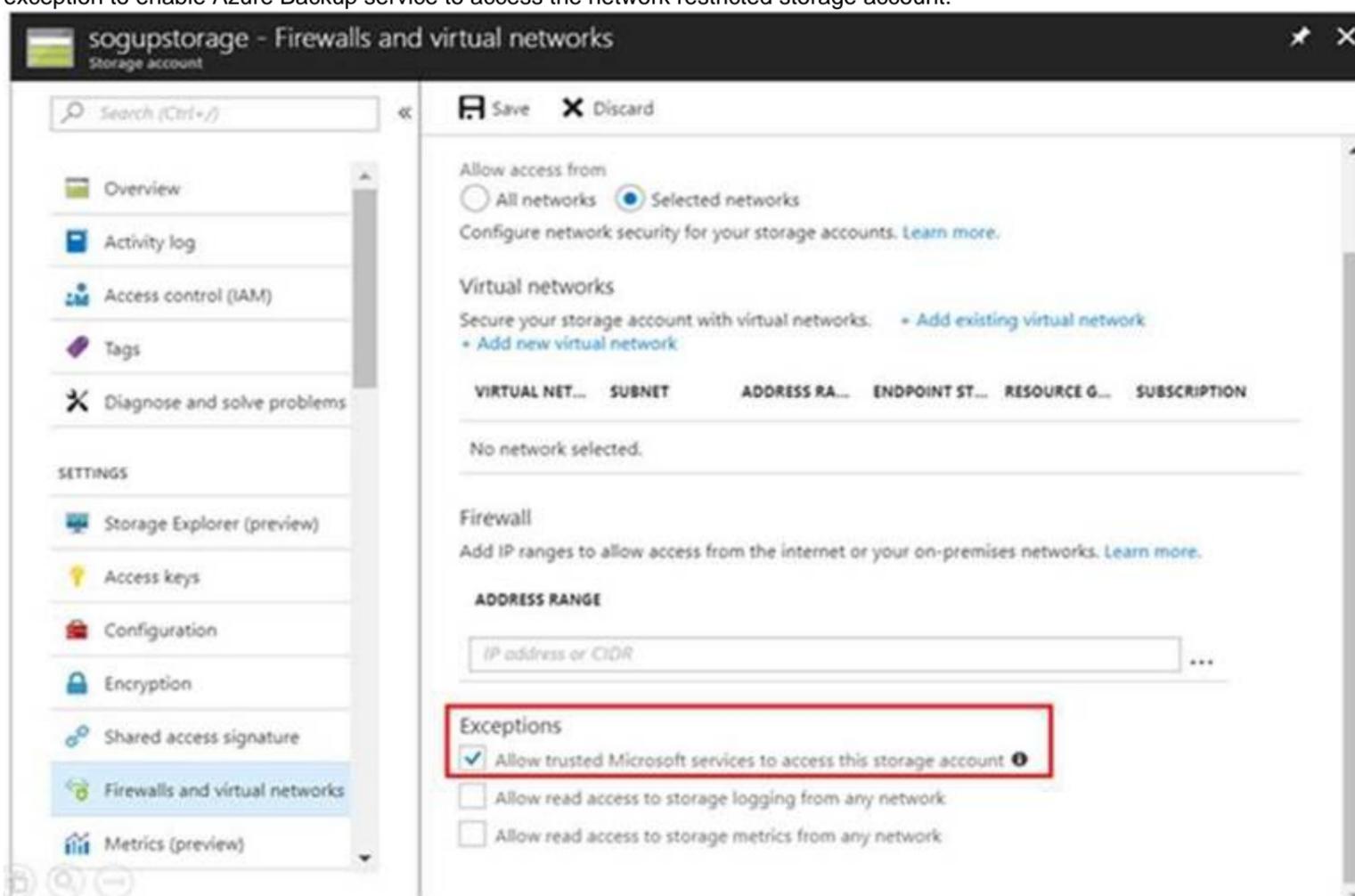
**Answer: A**

**Explanation:**

Box 1: always

Endpoint status is enabled. Box 2: Never

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



Reference:

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

**NEW QUESTION 97**

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 resources 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 named VM2, and then connected VM2 to VNET1. What should you do first?

- A. Add a subnet to VNET1.
- B. Remove Microsoft.Network/virtualNetworks from the policy.
- C. Create an Azure resource Manager template.
- D. Remove Microsoft
- E. Compute/virtualMachine from the policy

**Answer:** B

#### NEW QUESTION 99

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure web app named App1. App1 runs in an Azure App Service plan named Plan1. Plan1 is associated to the Free pricing tier.

You discover that App1 stops each day after running continuously for 60 minutes. You need to ensure that App1 can run continuously for the entire day.

Solution: You change the pricing tier of Plan1 to Basic. Does this meet the goal?

A. Yes

B. No

**Answer:** A

#### Explanation:

The Free Tier provides 60 CPU minutes / day. This explains why App1 is stops. The Basic tier has no such cap.

References:

<https://azure.microsoft.com/en-us/pricing/details/app-service/windows/>

#### NEW QUESTION 102

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it As a result these questions will not appear in the review screen.

You have an Azure web app named App1. App1 runs in an Azure App Service plan named Plan1. Plan1 is associated to the Free pricing tier.

You discover that App1 stops each day after running continuously for 60 minutes. You need to ensure that App1 can run continuously for the entire day.

Solution: You change the pricing tier of Plan1 to Shared. Does this meet the goal?

A. Yes

B. No

**Answer:** B

#### Explanation:

You should switch to the Basic Tier.

The Free Tier provides 60 CPU minutes / day. This explains why App1 is stops. The Shared Tier provides 240 CPU minutes / day. The Basic tier has no such cap.

References:

<https://azure.microsoft.com/en-us/pricing/details/app-service/windows/>

#### NEW QUESTION 105

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it As a result, these questions will not appear in the review screen.

You have an Azure Active Directory (Azure AD) tenant named Adatum and an Azure Subscription contains a resource group named Dev.d Subscription1. Adatum contains a group named Developers. Subscription1

You need to provide the Developers group with the ability to create Azure logic apps in the; Dev, resource group.

Solution: On Dev, you assign the Logic App Contributor role to the Developers group.

Does this meet the goal?

A. Yes

B. No

**Answer:** A

#### Explanation:

The Logic App Contributor role lets you manage logic app, but not access to them. It provides access to view, edit, and update a logic app.

References:

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

#### NEW QUESTION 108

Note This question is part of a series of questions that present the same seer Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You 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

**Answer:** B

#### Explanation:

You should use Azure Network Watcher. References:

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

#### NEW QUESTION 112

**DRAG DROP**

You have an Azure subscription that contains an Azure Service Bus named Bus1.

Your company plans to deploy two Azure web apps named App1 and App2. The web apps will create messages that have the following requirements:

? Each message created by App1 must be consumed by only a single consumer

? Each message created by App2 will be consumed by multiple consumers.

Which resource should you create for each web app? To answer, drag the appropriate resources to the correct web apps. Each resource may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

**Resource**

A Service Bus queue	A Service Bus topic
An Azure Event Grid topic	Azure Blob storage

**Answer Area**

App1

App2

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

App1

App2

**NEW QUESTION 113**

**DRAG DROP**

You are developing an Azure web app named WebApp1. WebApp1 uses an Azure App Service plan named Plan1 that uses the B1 pricing tier.

You need to configure WebApp1 to add additional instances of the app when CPU usage exceeds 70 percent for 10 minutes.

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.

**Actions**

From the Deployment Resources settings blade of WebApp1, add a slot.
From the Scale out (App Service Plan) settings blade, enable autoscale.
From the Scale mode to <b>Scale based on a metric</b> , add a rule, and set the instance limits.
Set the Scale mode to <b>Scale to a specific instance count</b> , and set the instance count.
From the Tags settings blade of WebApp1, add a tag named <b>\$Scale</b> that has a value of <b>Auto</b>
From the Scale out (App Service Plan) settings blade, change the pricing tier.

**Answer Area**

1

2

3

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: From the Scale out (App Service Plan) settings blade, change the pricing tier The B1 pricing tier only allows for 1 core. We must choose another pricing tier.

Box 2: From the Scale out (App Service Plan) settings blade, enable autoscale

1. Log in to the Azure portal at <http://portal.azure.com>
2. Navigate to the App Service you would like to autoscale.
3. Select Scale out (App Service plan) from the menu
4. Click on Enable autoscale. This activates the editor for scaling rules.

**Default** Auto created scale condition

---

Scale mode  Scale based on a metric  Scale to a specific instance count

Rules Scale out and scale in your instances based on metric. For example, add a rule that increases instance count is above 70%

[+ Add a rule](#)

Instance limits Minimum  Maximum  Default

Schedule This scale condition is executed when none of the other scale condition(s) match

[+ Add a scale condition](#)

Box 3: From the Scale mode to Scale based on metric, add a rule, and set the instance limits.

Click on Add a rule. This shows a form where you can create a rule and specify details of the scaling. References:

<https://azure.microsoft.com/en-us/pricing/details/app-service/windows/> <https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/>

**NEW QUESTION 115**

You have an Azure App Service plan that hosts an Azure App Service named App1. You configure one production slot and four staging slots for App1. You need to allocate 10 percent of the traffic to each staging slot and 60 percent of the traffic to the production slot. What should you add to App1?

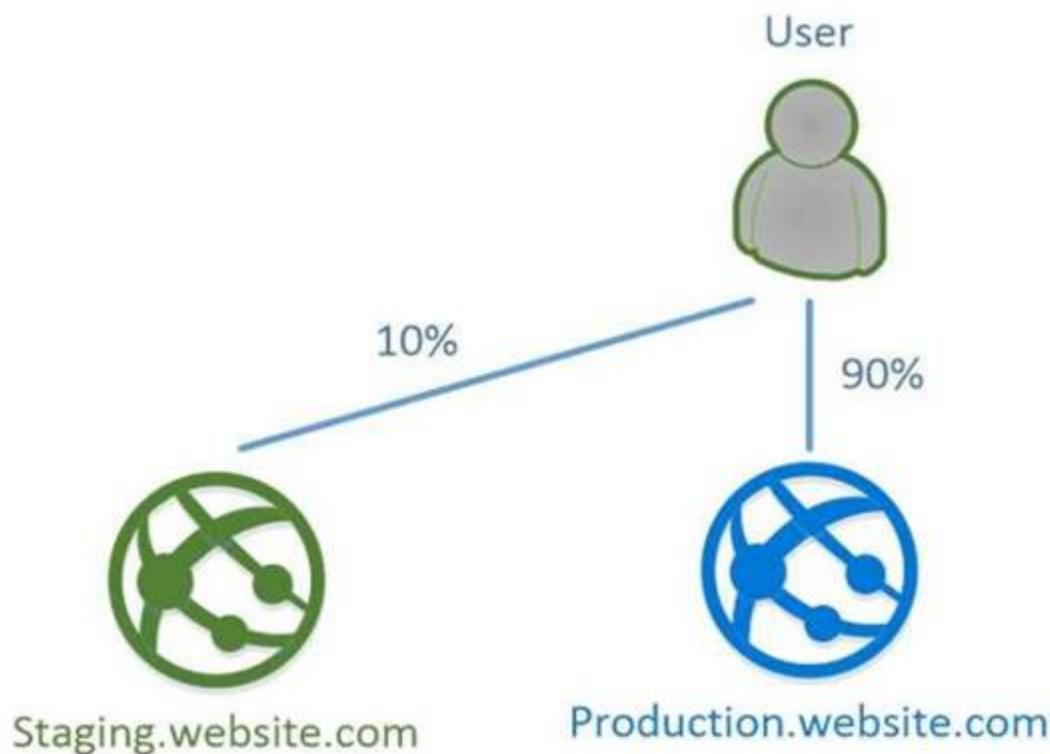
- A. slots to the Testing in production blade
- B. a performance test
- C. a WebJob
- D. templates to the Automation script blade

**Answer:** A

**Explanation:**

Besides swapping, deployment slots offer another killer feature: testing in production. Just like the name suggests, using this, you can actually test in production. This means that you can route a specific percentage of user traffic to one or more of your deployment slots.

Example:



References:

<https://stackify.com/azure-deployment-slots/>

**NEW QUESTION 119**

You have a Microsoft SQL Server Always On availability group on Azure virtual machines. You need to configure an Azure internal load balancer as a listener for the availability group. What should you do?

- A. Enable Floating IP.
- B. Set Session persistence to Client IP and protocol.
- C. Set Session persistence to Client IP.
- D. Create an HTTP health probe on port 1433.

**Answer:** A

**Explanation:**

Incorrect Answers:

D: The Health probe is created with the TCP protocol, not with the HTTP protocol. References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-portal-sql-alwayson-int-listener>

**NEW QUESTION 124**

Note: This question is part of a series of questions that present the same scenario. Each

question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You 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

**Answer: A**

**Explanation:**

Azure Network Watcher provides tools to monitor, diagnose, view metrics, and enable or disable logs for resources in an Azure virtual network.

The connection monitor capability monitors communication at a regular interval and informs you of reachability, latency, and network topology changes between the VM and the endpoint.

References:

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

**NEW QUESTION 125**

You have an Azure subscription.

Users access the resources in the subscription from either home or from customer sites. From home, users must establish a point-to-site VPN to access the Azure resources. The users on the customer sites access the Azure resources by using site-to-site VPNs.

You have a line-of-business app named App1 that runs on several Azure virtual machine. The virtual machines run Windows Server 2016.

You need to ensure that the connections to App1 are spread across all the virtual machines.

What are two possible Azure services that you can use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. a public load balancer

B. Traffic Manager

C. an Azure Content Delivery Network (CDN)

D. an internal load balancer

E. an Azure Application Gateway

**Answer: DE**

**NEW QUESTION 129**

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.

Actions	Answer Area
Create an Azure Content Delivery Network (CDN) profile.	
Create a VPN connection.	
Create a custom DNS server.	
Create a local gateway.	
Create a VPN gateway.	
Create a gateway subnet.	

A. Mastered

B. Not Mastered

**Answer: A**

**Explanation:**

Note: More than one order of answer choices is correct.

Creating a local gateway (a logical object that represents the on-premise router) can be done at step 1, step 2 or step 3. The other three steps must be done in order: create gateway subnet then create VPN gateway then create the VPN connection. The VPN connection is a connection between the VPN gateway and the Local gateway.

**NEW QUESTION 133**

DRAG DROP

You have an Azure subscription that contains the following resources:

- a virtual network named VNet1
- a replication policy named ReplPolicy1
- a Recovery Services vault named Vault1
- an Azure Storage account named Storage1

You have an Amazon Web Services (AWS) EC2 virtual machine named VM1 that runs Windows Server

You need to migrate VM1 to VNet1 by using Azure Site Recovery.

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.

**Actions**

**Answer Area**

- Install Azure Site Recovery Unified Setup.
- Create an Azure Migrate project.
- Enable Windows PowerShell remoting on VM1.
- Deploy an EC2 virtual machine as a configuration server.
- Enable replication for VM1.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Deploy an EC2 virtual machine as a configuration server Prepare source include:

1. Use an EC2 instance that's running Windows Server 2012 R2 to create a configuration server and register it with your recovery vault.
2. Configure the proxy on the EC2 instance VM you're using as the configuration server so that it can access the service URLs.

Step 2: Install Azure Site Recovery Unified Setup.

Download Microsoft Azure Site Recovery Unified Setup. You can download it to your local machine and then copy it to the VM you're using as the configuration server.

Step 3: Enable replication for VM1.

Enable replication for each VM that you want to migrate. When replication is enabled, Site Recovery automatically installs the Mobility service.

References:

<https://docs.microsoft.com/en-us/azure/site-recovery/migrate-tutorial-aws-azure>

**NEW QUESTION 138**

DRAG DROP

You create an Azure Migrate project named TestMig in a resource group named test-migration.

You need to discover which on-premises virtual machines to assess for migration. 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.

**Actions**

**Answer Area**

- Create a collector virtual machine.
- Download the OVA file for the collector appliance.
- Create a migration group in the project.
- Configure the collector and start discovery.
- Create an assessment in the project.



1

2

3



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Download the OVA file for the collection appliance

Azure Migrate uses an on-premises VM called the collector appliance, to discover information about your on-premises machines. To create the appliance, you download a setup file in Open Virtualization Appliance (.ova) format, and import it as a VM on your on-premises vCenter Server.

Step 2: Create a migration group in the project

For the purposes of assessment, you gather the discovered VMs into groups. For example, you might group VMs that run the same application. For more precise grouping, you can use dependency visualization to view dependencies of a specific machine, or for all machines in a group and refine the group.

Step 3: Create an assessment in the project

After a group is defined, you create an assessment for it. References:

<https://docs.microsoft.com/en-us/azure/migrate/migrate-overview>

**NEW QUESTION 140**

HOTSPOT

You have an Azure subscription named Subscription1.

You have a virtualization environment that contains the virtualization servers in the following table.

Name	Hypervisor	Run virtual machine
Server1	Hyper-V	VM1, VM2, VM3
Server2	VMWare	VMA, VMB, VMC

The virtual machines are configured as shown in the following table.

Name	Generation	Memory	Operating system (OS) disk	Data disk	OS
VM1	1	4 GB	200 GB	800 GB	Windows Server 2012 R2
VM2	1	12 GB	3 TB	200 GB	Red Hat Enterprise Linux 7.2
VM3	2	32 GB	100 GB	1 TB	Windows Server 2016
VMA	<i>Not applicable</i>	8 GB	100 GB	2 TB	Windows Server 2012 R2
VMB	<i>Not applicable</i>	16 GB	150 GB	1 TB	Red Hat Enterprise Linux 7.2
VMC	<i>Not applicable</i>	24 GB	500 GB	6 TB	Windows Server 2016

All the virtual machines use basic disks. VM1 is protected by using BitLocker Drive Encryption (BitLocker).

You plan to use Azure Site Recovery to migrate the virtual machines to Azure.

Which virtual machines can you migrate? To answer, select the appropriate options in the answer are a.

NOTE: Each correct selection is worth one point.

Virtual machines that can be migrated from Server1:

▼

VM1 only

VM2 only

VM3 only

VM1 and VM2 only

VM1 and VM3 only

VM1, VM2, and VM3

Virtual machines that can be migrated from Server2:

▼

VMA only

VMB only

VMC only

VMA and VMB only

VMA and VMC only

VMA, VMB, and VMC

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/site-recovery/hyper-v-azure-support-matrix#azure-vm-requirements>

**NEW QUESTION 142**

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.

In Azure, run:

▼

New-AzureRmLocalNetworkGateway

New-AzureRmVirtualNetworkGatewayConnection

Set-AzureRmVirtualNetworkGatewayDefaultSite

On a VPN device in the New York office, set the traffic selectors to:

▼

0.0.0.0/0

10.0.0.0/16

192.168.0.0/20

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Incorrect Answers:

Not: New-AzureRmVirtualNetworkGatewayConnection

This command creates the Site-to-Site VPN connection between the virtual network gateway and the on-prem VPN device. We already have Site-to-Site VPN connections.

Box 2: 192.168.0.0/20

Specify the VNET1 address. References:

<https://docs.microsoft.com/en-us/powershell/module/azurerem.network/set-azureremvirtualnetworkgatewaydefaultsite>

**NEW QUESTION 143**

**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 if 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.

Public IP addresses:

▼

1 2 3 4

Virtual network gateways:

▼

1 2 3 4

Local network gateways:

▼

1 2 3 4

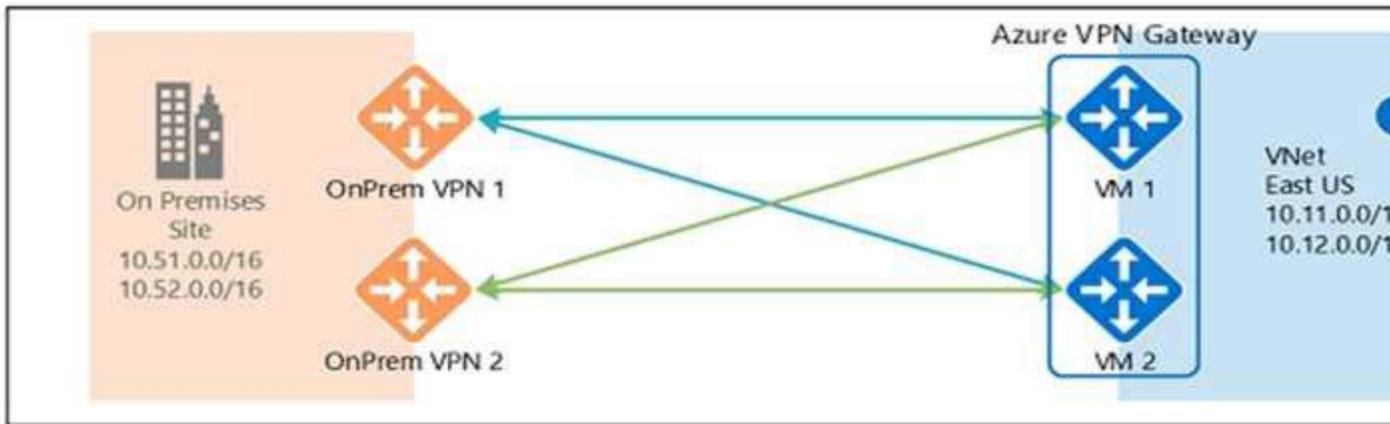
- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: 4

Two public IP addresses in the on-premises data center, and two public IP addresses in the VNET. The most reliable option is to combine the active-active gateways on both your network and Azure, as shown in the diagram below.



Box 2: 2  
 Every Azure VPN gateway consists of two instances in an active-standby configuration. For any planned maintenance or unplanned disruption that happens to the active instance, the standby instance would take over (failover) automatically, and resume the S2S VPN or VNet-to-VNet connections.

Box 3: 2  
 Dual-redundancy: active-active VPN gateways for both Azure and on-premises networks  
 References:  
<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-highlyavailable>

**NEW QUESTION 144**

You have an azure subscription that contain a virtual named VNet1. VNet1. contains four subnets named Gateway, perimeter, NVA, and production. The NVA contain two network virtual appliance (NVAs) that will network traffic inspection between the perimeter subnet and the production subnet. You need o 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 NVA 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 parts 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. Deploy a standard load balancer.
- C. Add a frontend IP configuration, two backend pools, and a health prob.
- D. Add a frontend IP configuration, a backend pool, and a health probe.
- E. Add two load balancing rules that have HA Ports and Floating IP enabled.
- F. Deploy a basic load balancer.

**Answer:** BCE

**Explanation:**

A standard load balancer is required for the HA ports.  
 -Two backend pools are needed as there are two services with different IP addresses.  
 -Floating IP rule is used where backend ports are reused. Incorrect Answers:  
 F: HA Ports are not available for the basic load balancer. References:  
<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-standard-overview> <https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-multivip-overview>

**NEW QUESTION 147**

You have five Azure virtual machines that run Windows Server 2016.  
 You have an Azure load balancer named LB1 that provides load balancing se  
 You need to ensure that visitors are serviced by the same web server for each request.  
 What should you configure?

- A. Floating IP (direct server return) to Disable
- B. Session persistence to Client IP
- C. a health probe
- D. Session persistence to None

**Answer:** B

**Explanation:**

You can set the sticky session in load balancer rules with setting the session persistence as the client IP.  
 References:  
<https://cloudopszone.com/configure-azure-load-balancer-for-sticky-sessions/>

**NEW QUESTION 149**

You have a Basic App Service plan named ASP1 that hosts an Azure App Service named App1. You need to configure a custom domain and enable backups for App1.  
 What should you do first?

- A. Configure a WebJob for App1.
- B. Scale up ASP1.
- C. Scale out ASP1.
- D. Configure the application settings for App1.

**Answer:** D

**NEW QUESTION 150**

**HOTSPOT**

You have an Azure web app named App1 that has two deployment slots named Production and Staging. Each slot has the unique settings shown in the following table.

Setting	Production	Staging
Web sockets	Off	On
Custom domain name	App1-prod.contoso.com	App1-staging.contoso.com

You perform a slot swap.

What are the configurations of the Production slot after the swap? To answer, select the appropriate options in the answer area.

NOTE: Each correction is worth one point.

Web sockets:

Custom domain name:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Swapping the slots means the destination slot website URL will run source slot code with destination slot settings.

**NEW QUESTION 151**

**HOTSPOT**

You have an Azure subscription named Subscription1.

In Subscription1, you create an Azure web app named WebApp1. WebApp1 will access an external service that requires certificate authentication.

You plan to require the use of HTTPS to access WebApp1. You need to upload certificates to WebApp1.

In which formats should you upload the certificate? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Certificate format for HTTPS access:

Certificate format for external service access:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

A PFX file contains the public key file (SSL Certificate) and its unique private key file. This is required for HTTPS access. The web app will distribute the public key (in a CER file) to clients that connect to the web app.

The CER file is an SSL Certificate which has the public key of the external service. The external service will have the private key associated with the public key contained in the CER file.

**NEW QUESTION 153**

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 local site VPN gateway.
- B. Create a VPN gateway that uses the VpnGwl SKU.
- C. Create a VPN gateway that uses the Basic SKU.
- D. Create a gateway subnet.

E. Create a connection.

**Answer:** ABE

**Explanation:**

For a site to site VPN, you need a local gateway, a gateway subnet, a VPN gateway, and a connection to connect the local gateway and the VPN gateway. That would be four answers in this question. However, the question states that VNet1 connects to your on-premises network by using Azure ExpressRoute. For an ExpressRoute connection, VNET1 must already be configured with a gateway subnet so we don't need another one.

**NEW QUESTION 155**

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 Windows10, 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.

**Answer:** D

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-point-to-site-routing>

**NEW QUESTION 158**

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

You need to compare the total requests to the failed requests during the past six hours. What should you use?

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

**Answer:** A

**Explanation:**

Application Gateway currently has seven metrics to view performance counters.

Metrics are a feature for certain Azure resources where you can view performance counters in the portal. For Application Gateway, the following metrics are available:

- ? Total Requests
- ? Failed Requests
- ? Current Connections
- ? Healthy Host Count
- ? Response Status
- ? Throughput
- ? Unhealthy Host count

You can filter on a per backend pool basis to show healthy/unhealthy hosts in a specific backend pool

References: <https://docs.microsoft.com/en-us/azure/application-gateway/application-gatewaydiagnostics#Metrics>

**NEW QUESTION 161**

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. NSG flow logs
- B. Connection troubleshoot
- C. IP flow verify
- D. Connection monitor

**Answer:** D

**Explanation:**

The Connection Monitor feature in Azure Network Watcher is now generally available in all public regions. Connection Monitor provides you RTT values on a per-minute granularity. You can monitor a direct TCP connection from a virtual machine to a virtual machine, FQDN, URI, or IPv4 address. References:

<https://azure.microsoft.com/en-us/updates/general-availability-azure-network-watcher-connection-monitor-in-all-public-regions/>

**NEW QUESTION 163**

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.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 165**

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

**Block/unblock users**

A blocked user will not receive Multi-Factor Authentication requests. Authentication attempts for that user will be automatically denied. A user will remain blocked for 90 days from the time they are blocked. To manually unblock a user, click the "Unblock" action.

**Blocked users**

USER	REASON	DATE	ACTION
AlexW@M365x832514OnMicrosoft.com	Lost phone	06/14/2018, 8:26:38 PM	<a href="#">Unblock</a>

What caused AlexW to be blocked?

- A. An administrator manually blocked the user.
- B. The user reports a fraud alert when prompted for additional authentication.
- C. The user account password expired.
- D. The user entered an incorrect PIN four times within 10 minutes.

**Answer:** B

**NEW QUESTION 167**

You are the global administrator for an Azure Active Directory (Azure AD) tenet named adatum.com. You need to enable two-step verification for Azure users. What should you do?

- A. Create a sign-in risk policy in Azure AD Identity Protection
- B. Enable Azure AD Privileged Identity Management.
- C. Create and configure the Identity Hub.
- D. Configure a security policy in Azure Security Center.

**Answer:** A

**Explanation:**

With Azure Active Directory Identity Protection, you can:  
 ? require users to register for multi-factor authentication  
 ? handle risky sign-ins and compromised users  
 References:  
<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/flows>

**NEW QUESTION 168**

You have an Azure subscription named Subscription1 that contains an Azure virtual machine 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 VM1.
- B. From the Azure portal, modify the Policies settings of RG1.
- C. From the Azure portal, modify the value of the Managed Service Identity option for VM1.
- D. From the Azure portal, modify the Access control (IAM) settings of RG1.

**Answer: C**

**Explanation:**

A managed identity from Azure Active Directory allows your app to easily access other AAD-protected resources such as Azure Key Vault. The identity is managed by the Azure platform and does not require you to provision or rotate any secrets. User assigned managed identities can be used on Virtual Machines and Virtual Machine Scale Sets. References: <https://docs.microsoft.com/en-us/azure/app-service/app-service-managed-service-identity>

**NEW QUESTION 169**

**HOTSPOT**

You configure the multi-factor authentication status for three users as shown in the following table.

User name	Multi-factor authentication status
Admin1@contoso.com	Disabled
Admin2@contoso.com	Enforced
Admin3@contoso.com	Enabled

You create a group named Group1 and add Admin1, Admin2, and Admin3 to the group. For all cloud apps, you create a conditional access policy that includes Group1. The policy requires multi-factor authentication. For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Admin1 must use multi-factor authentication to sign in to the Azure portal by using a web browser.	<input type="radio"/>	<input type="radio"/>
Admin2 must use multi-factor authentication to sign in to the Azure portal by using a web browser.	<input type="radio"/>	<input type="radio"/>
Admin3 must use multi-factor authentication to sign in to the Azure portal by using a web browser.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: No  
 Disabled is the default state for a new user not enrolled in Azure MFA.  
 Box 2: Yes  
 Enforced: The user has been enrolled and has completed the registration process for Azure MFA. Web browser apps require login in this case.  
 Box 3: Yes  
 Enabled: The user has been enrolled in Azure MFA, but has not registered. They receive a prompt to register the next time they sign in. Web browser apps require login in this case. References: <https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-userstates>

**NEW QUESTION 171**

**HOTSPOT**

You need to implement App2 to meet the application? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

App Service plan pricing tier:

Enabled feature:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Standard

Not Shared: A Shared plan does not support Always on. Box 2: Always on

If your function app is on the Consumption plan, there can be up to a 10-minute delay in processing new blobs if a function app has gone idle. To avoid this cold-start delay, you can switch to an App Service plan with Always On enabled, or use a different trigger type.

Scenario: A newly developed API must be implemented as an Azure function named App2. App2 will use a blob storage trigger. App2 must process new blobs immediately.

App2 must be able to connect directly to the private IP addresses of the Azure virtual machines. App2

will be deployed directly to an Azure virtual network. The cost of App1 and App2 must be minimized. References:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-storage-blob> <https://azure.microsoft.com/en-us/pricing/details/app-service/plans/>

**NEW QUESTION 176**

You need to recommend an environment for the deployment of App1. What should you recommend?

- A. a new App Service plan that uses the P3v2 pricing tier
- B. ASE1 and an App Service plan that uses the I1 pricing tier
- C. ASE1 and an App Service plan that uses the I3 pricing tier
- D. a new App Service plan that uses the S1 pricing tier

**Answer:** B

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/app-service/environment/app-service-app-service-environment-control-inbound-traffic>

**NEW QUESTION 179**

HOTSPOT

You need to implement App2 to meet the application requirements.

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

NOTE: Each correct selection is worth one point.

App Service plan pricing tier:

Enabled feature:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

? A newly developed API must be implemented as an Azure function named App2. App2 will use a blob storage trigger. App2 must process new blobs

immediately.

? This requires "Always On".

? The cost of App1 and App2 must be minimized

? The Standard pricing tier is the cheapest tier that supports Always On.

**NEW QUESTION 182**

What should you create to configure AG2?

- A. multi-site listeners
- B. basic listeners
- C. URL path-based routing rules
- D. basic routing rules
- E. an additional public IP address

**Answer: A**

**Explanation:**

? AG2 must load balance incoming traffic in the following manner:

- http://www.adata.com will be load balanced across Pool21.

- http://fabrikam.com will be load balanced across Pool22.

You need to configure an Azure Application Gateway with multi-site listeners to direct different URLs to different pools.

References:

<https://docs.microsoft.com/en-us/azure/application-gateway/multiple-site-overview>

Case Study: 2

Lab 2

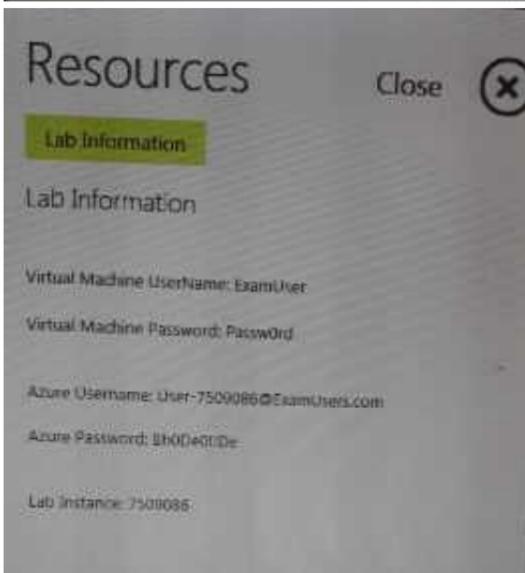
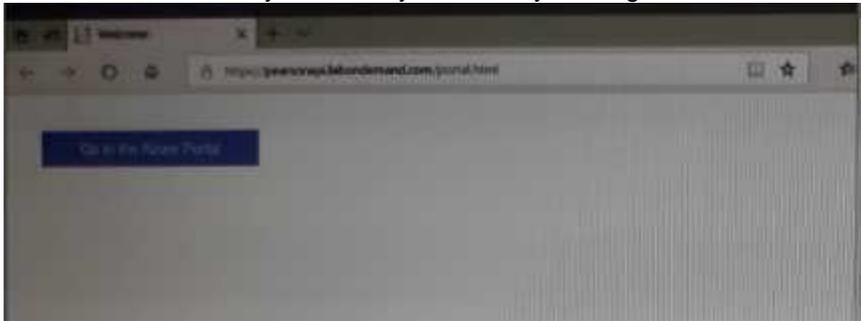
Overview

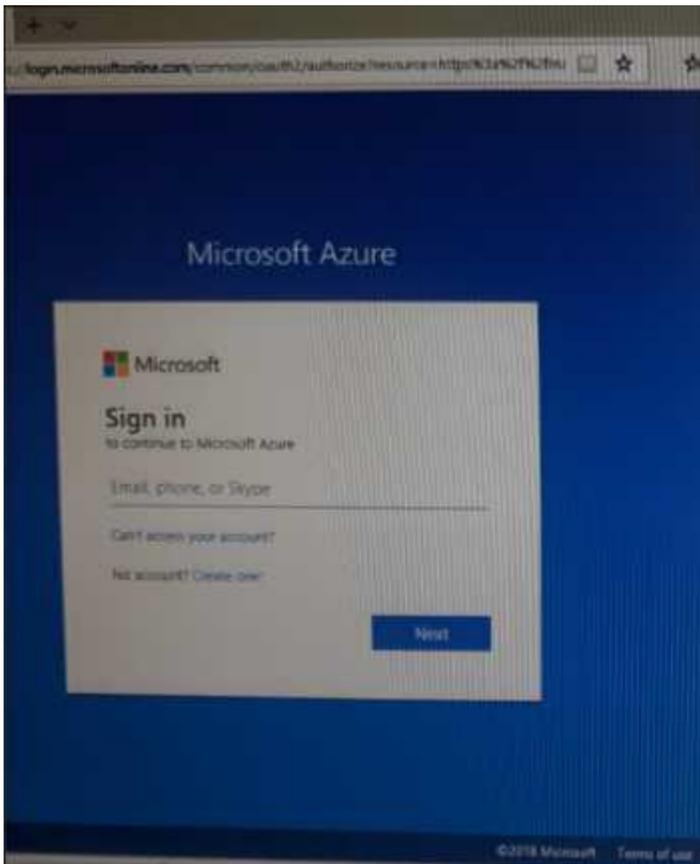
This is a lab or performance-based testing (PBT) section.

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most liable to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to have sites) will not be possible by design.

Scoring is based on the outcome of performing the tasks stated in the lab. In other words, it doesn't matter how you accomplish the lab and all other sections of the exam in the time provided.

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





To connect to Azure portal, type <https://portal.azure.com> in the browser address bar.

**NEW QUESTION 187**

Another administrator reports that she is unable to configure a web app named corplod7509086n3 to prevent all connections from an IP address of 11.0.0.11. You need to modify corplod7509086n3 to successfully prevent the connections from the IP address. The solution must minimize Azure-related costs. What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

**Answer: A**

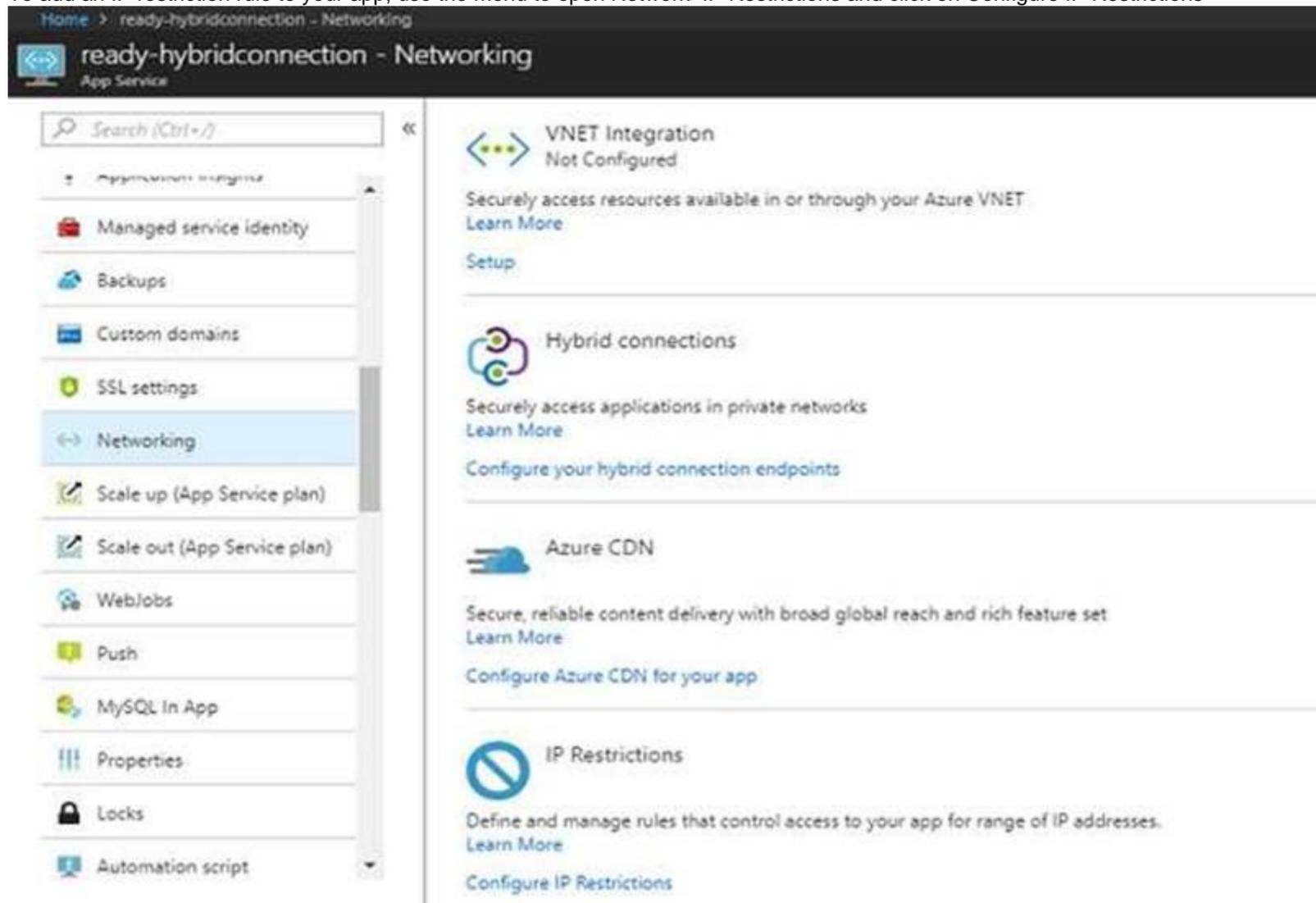
**Explanation:**

Step 1:

Find and select application corplod7509086n3:

1. In the Azure portal, on the left navigation panel, click Azure Active Directory.
2. In the Azure Active Directory blade, click Enterprise applications. Step 2:

To add an IP restriction rule to your app, use the menu to open Network>IP Restrictions and click on Configure IP Restrictions



Step 3:

Click Add rule

You can click on [+] Add to add a new IP restriction rule. Once you add a rule, it will become effective immediately.

Home > ready-hybridconnection - Networking > IP Restrictions

## IP Restrictions

Remove Refresh

### IP Restrictions

IP restrictions allow you to define an allow/deny list of addresses in order to control traffic to your site. Rules are are no rules defined then your app will accept traffic from any address. [Learn more](#)

+ Add rule

PRIORITY	NAME	IP ADDRESS
100	allowed access	131.107.159.0/24 

Step 4:  
 Add name, IP address of 11.0.0.11, select Deny, and click Add Rule

### Add IP Restriction ✕

**\* Name** ⓘ

**IP Address** ⓘ

**V4** **V6**

**Action**

**Allow** **Deny**

**Priority**

**Description**

**Add rule**

References:  
<https://docs.microsoft.com/en-us/azure/app-service/app-service-ip-restrictions>

**NEW QUESTION 192**

You need to deploy an Azure load balancer named lb 1015 to your Azure subscription. The solution must meet the following requirements:

- Support the load balancing of IP traffic from the Internet to Azure virtual machines connected to VNET1016 \subnet0.
- Prov.de 4 Service level Agreement (SLA) of 99.99 percent availability for the Azure virtual machines.
- Minimize Azure-related costs.

What should you do from the Azure portal?

To complete this task, you do NOT need to wait for the deployment to complete. Once the deployment starts in Azure, you can move to the next task.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1:

On the top left-hand side of the screen, click Create a resource > Networking > Load Balancer. Step 2:

In the Create a load balancer page enter these values for the load balancer: myLoadBalancer - for the name of the load balancer.

Internal - for the type of the load balancer. Basic - for SKU version.

Microsoft guarantees that apps running in a customer subscription will be available 99.99% of the time.

VNET1016\subnet0 - for subnet that you choose from the list of existing subnets.

Step 3: Accept the default values for the other settings and click Create to create the load balancer.

**NEW QUESTION 193**

You plan to connect a virtual network named VNET1017 to your on-premises network by using both an Azure ExpressRoute and a site-to-site VPN connection. You need to prepare the Azure environment for the planned deployment. The solution must maximize the IP address space available to Azure virtual machines. What should you do from the Azure portal before you create the ExpressRoute and the VPN gateway?

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

We need to create a Gateway subnet Step 1:

Go to More Services > Virtual Networks Step 2:

Then click on the VNET1017, and click on subnets. Then click on gateway subnet. Step 3:

In the next window define the subnet for the gateway and click OK

Add subnet
\_ □ ✕

REBELADMINVNet01

\* Name

\* Address range (CIDR block) ⓘ  
 ✓  
 10.7.1.0 - 10.7.1.15 (16 addresses)

---

Route table  
 None >



It is recommended to use /28 or /27 for gateway subnet.  
 As we want to maximize the IP address space we should use /27. References:  
<https://blogs.technet.microsoft.com/canitpro/2017/06/28/step-by-step-configuring-a-site-to-site-vpn-gateway-between-azure-and-on-premise/>

**NEW QUESTION 194**

**HOTSPOT**

You need to the appropriate sizes for the Azure virtual for Server2.  
 What should you do? To answer, select the appropriate options in the answer are a.  
 NOTE: Each correct selection is worth one point.

From the Azure portal:

<ul style="list-style-type: none"> <li>Create an Azure Migrate project.</li> <li>Create a Recovery Services vault.</li> <li>Upload a management certificate.</li> <li>Create an Azure Import/Export job.</li> </ul>
---

On Server2:

<ul style="list-style-type: none"> <li>Enable Hyper-V Replica.</li> <li>Install the Azure File Sync agent.</li> <li>Create a collector virtual machine.</li> <li>Configure Hyper-V storage migration.</li> <li>Install the Azure Site Recovery Provider.</li> </ul>
---

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Create a Recovery Services vault

Create a Recovery Services vault on the Azure Portal. Box 2: Install the Azure Site Recovery Provider

Azure Site Recovery can be used to manage migration of on-premises machines to Azure. Scenario: Migrate the virtual machines hosted on Server1 and Server2 to Azure.

Server2 has the Hyper-V host role. References:

<https://docs.microsoft.com/en-us/azure/site-recovery/migrate-tutorial-on-premises-azure>

Case Study: 4

Lab 1

**SIMULATION**

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

Scoring is based on the outcome of performing the tasks stated in the lab. In other words, it doesn't matter how you accomplish the task, if you successfully perform it, you will earn credit for that task. Labs are not timed separately, and this exam may have more than one lab that you must complete. You can use as much time as you would like to complete each lab. But, you should manage your time appropriately to ensure that you are able to complete the lab(s) and all other sections of the exam in the time provided.

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

To start the lab

You may start lab by clicking the Next button

**Tasks**

Click to expand each objective

To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.

**Instructions**

**Performance Based Lab**

This type of question asks you to perform tasks in a virtual environment.

The screen for this type of question includes a virtual machine window and a tasks pane.

The window is a remotely connected live environment where you perform tasks on real software and applications.

On the right is a Tasks pane that lists the tasks you need to perform in the lab. Each task can be expanded or collapsed using the "+" or "-" symbols. A checkbox is provided for each task. This is provided for convenience, so you can mark each task as you complete it.

**Tasks**

Click to expand each objective

-Configure servers

Add the "Print and Document Services" role to server LON-SVR1, installing any required management features and enabling both Print and LPD Services.

+Configure file and share access

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

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

**Comments**

Once the exam completes, the comment period will begin and you will have the opportunity to provide comments to Microsoft about the exam questions. To launch the comment period, click the "Finish" and then "Comment" buttons. To skip the comment period and the exam, click Exit.

You can navigate to a question from the Review screen to provide a comment. Please, see the Review Screen tab in the Review Screen help Menu (which can be accessed from the Review Screen) for details on accessing questions from the Review Screen.

To comment on a question, navigate to that question and click the Give Feedback icon. When you have entered your comment in the comment window, click Submit to close the window. To navigate to the Review screen again, click the Review button. You may navigate through all questions using the Next and Previous buttons. To skip commenting, go to the Review Screen by selecting the Review Screen button in the upper left-hand corner and from the Review Screen, select "Finished".

**Controls Available**

For any question, one or more of the following controls might be available.

Control	Function
<b>Next button</b>	Completes the lab section and initiates scoring (in the background), then moves you to the next question or section of the exam
<b>Help button</b>	Opens a Help window for the type of question you are currently viewing. (This button is present only when an exhibit is available.)
<b>Exhibit</b>	Opens an exhibit for the question you are currently viewing. (This button is present only when an exhibit is available.)
<b>Lab Keys</b>	Opens a pop-up window with specific keys or keyboard combinations directed at the virtual machine

**Keyboard Shortcuts Available**

Exam features may be accessed using keyboard shortcuts. The following table describes the keyboard shortcuts that are available during this exam. Some keyboard shortcuts require that you press two or more keys at the same time. These keys are separated by a plus sign (+) in the table below.

For this...	Press
Calculator	Alt + O
Comment	Alt + C
End Review (X)	Alt + X
Exhibit	Alt + B
Exit	Alt + X
Help	Alt + H
Reset	Alt + T
Review	Alt + R
Start Comment	Alt + S

[Home](#) > [App Services](#) > [functionapplod7509087fa](#)

**functionapplod7409087fa**  
Function Apps

functionapplod7509087fa

Microsoft AZ-101 3

Function Apps

functionapplod7509087...

Functions +

Proxies

Slots (preview)

+ New Function

*f* Functions

Search functions

Name

Status

No results

Home > Monitor – Autoscale > Autoscale setting

## Autoscale setting homepage (App Service plan)

\*Autoscale setting name   
 Resource group

**Default** Auto created scale condition 1

Delete warning i The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.

Scale mode  Scale based on a metric  Scale to a specific instance count

Scale out and scale in your instances based on metric. For example: 'Add a rule that increase count by 1 when CPU percentage is above 70%

Rules i It is recommended to have at least one scale in rule

[+ Add a rule](#)

Instance limits  
 Minimum  Maximum  Default

Schedule **This scale condition is executed when none of the other scale condition(s) match**

[+ Add a scale condition](#)

**NEW QUESTION 195**

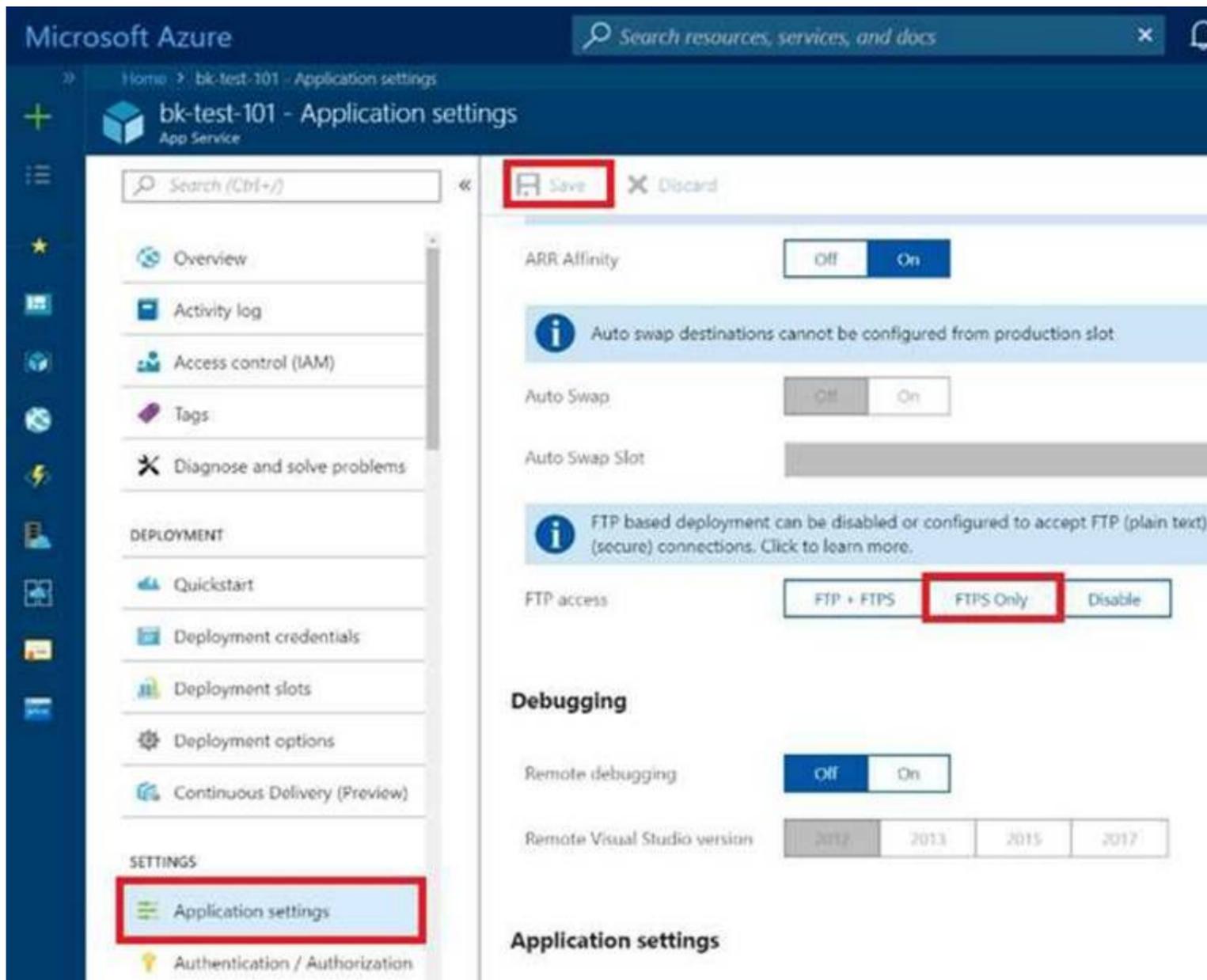
You need to prevent remote users from publishing via FTP to a function app named FunctionApplod7509087fa. Remote users must be able to publish via FTPS. What should you do from the Azure portal?

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Step 1:  
 Locate and select the function app FunctionApplod7509087fa. Step 2:  
 Select Application Settings > FTP Access, change FTP access to FTPS Only, and click Save.



References:

<https://blogs.msdn.microsoft.com/appserviceteam/2018/05/08/web-apps-making-changes-to-ftp-deployments/>

**NEW QUESTION 199**

You plan to deploy a site-to-site VPN connection from on-premises network to your Azure environment. The VPN connection will be established to the VNET01-USEA2 virtual network.

You need to create the required resources in Azure for the planned site-to-site VPN. The solution must minimize costs.

What should you do from the Azure portal?

NOTE: This task may a very long time to complete. You do NOT need to wait for the deployment to complete this task successfully.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

We create a VPN gateway. Step 1:

On the left side of the portal page, click + and type 'Virtual Network Gateway' in search. In Results, locate and click Virtual network gateway.

Step 2:

At the bottom of the 'Virtual network gateway' page, click Create. This opens the Create virtual network gateway page.

Step 3:

On the Create virtual network gateway page, specify the values for your virtual network gateway. Gateway type: Select VPN. VPN gateways use the virtual network gateway type VPN.

Virtual network: Choose the existing virtual network VNET01-USEA2

Gateway subnet address range: You will only see this setting if you did not previously create a gateway subnet for your virtual network.

Step 4:

Select the default values for the other setting, and click create.

The settings are validated and you'll see the "Deploying Virtual network gateway" tile on the dashboard. Creating a gateway can take up to 45 minutes. Note: This task may take a very long time to complete. You do NOT need to wait for the deployment to complete this task successfully.

References:

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

Case Study: 5

Humongous Insurance

Overview

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 agreement 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.

**NEW QUESTION 203**

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.

**Actions**

**Answer Area**

- From the Templates service, select the template, and then share the template to the web administrators.
- Create a resource group, and then deploy a web app to the resource group.
- From the Automation script blade of the resource group, click the **Parameters** tab.
- From the Automation script blade of the resource group, click **Deploy**.
- From the Automation Accounts service, add an automation account.
- From the Automation script blade of the resource group, click **Add to library**.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1:  
 First you create a storage account using the Azure portal. Step 2:  
 Select Automation options at the bottom of the screen. The portal shows the template on the Template tab.  
 Deploy: Deploy the Azure storage account to Azure. Step 3:  
 Share the template.  
 Scenario: 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. References:  
<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-quickstart-create-templates-use-the-portal>

**NEW QUESTION 206**

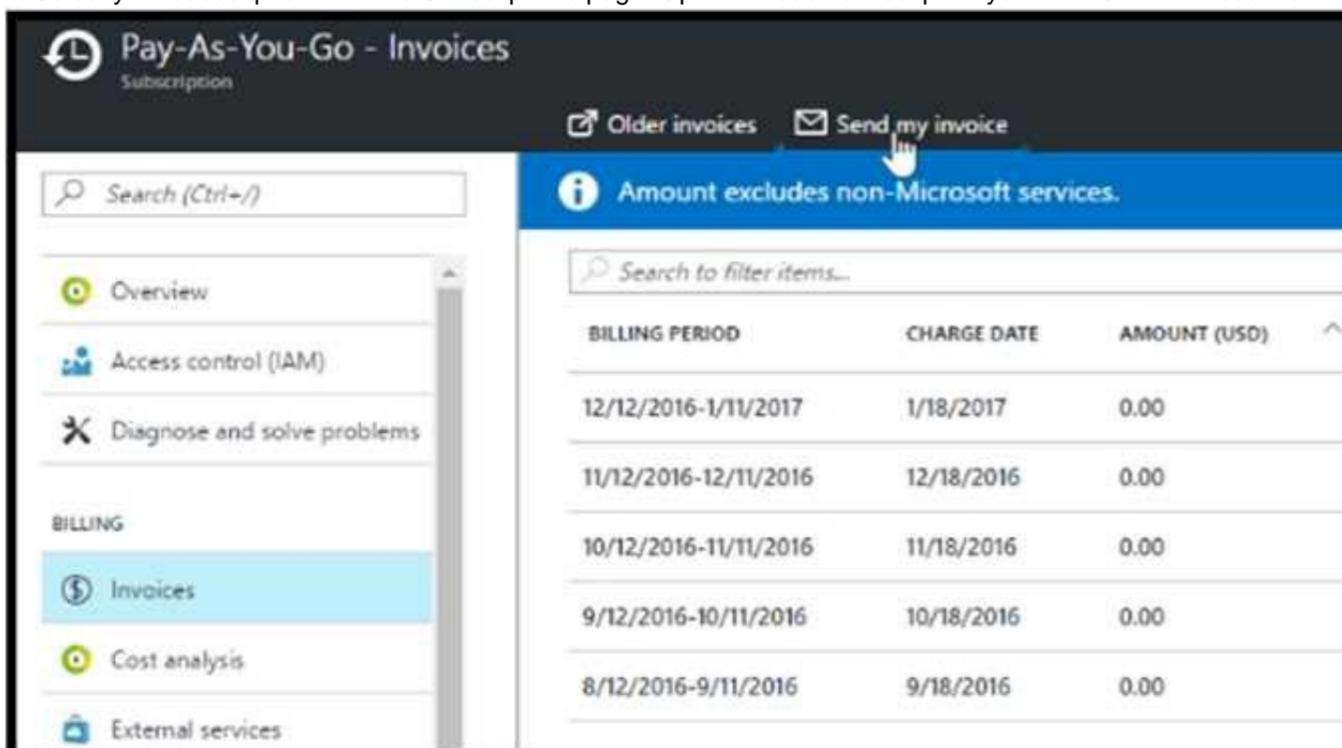
Which blade should you instruct the finance department auditors to use?

- A. Partner information
- B. Overview
- C. Payment methods
- D. Invoices

**Answer:** D

**Explanation:**

You can opt in and configure additional recipients to receive your Azure invoice in an email. This feature may not be available for certain subscriptions such as support offers, Enterprise Agreements, or Azure in Open.  
 1. Select your subscription from the Subscriptions page. Opt-in for each subscription you own. Click Invoices then Email my invoice.



2. Click Opt in and accept the terms.  
 Scenario: During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.  
 References: <https://docs.microsoft.com/en-us/azure/billing/billing-download-azure-invoice-daily-usage-date>

#### NEW QUESTION 207

You need to define a custom domain name for Azure AD to support the planned infrastructure. Which domain name should you use?

- A. Join the client computers in the Miami office to Azure AD.
- B. Add <http://autologon.microsoftazuread-sso.com> to the intranet zone of each client computer in the Miami office.
- C. Allow inbound TCP port 8080 to the domain controllers in the Miami office.
- D. Install Azure AD Connect on a server in the Miami office and enable Pass-through Authentication
- E. Install the Active Directory Federation Services (AD FS) role on a domain controller in the Miami office.

**Answer:** BD

#### Explanation:

Every Azure AD directory comes with an initial domain name in the form of `domainname.onmicrosoft.com`. The initial domain name cannot be changed or deleted, but you can add your corporate domain name to Azure AD as well. For example, your organization probably has other domain names used to do business and users who sign in using your corporate domain name. Adding custom domain names to Azure AD allows you to assign user names in the directory that are familiar to your users, such as 'alice@contoso.com.' instead of 'alice@domain name.onmicrosoft.com'.

Scenario:

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.

Humongous Insurance has a single-domain Active Directory forest named `humongousinsurance.com` Planned Azure AD Infrastructure: The on-premises Active Directory domain will be synchronized to Azure AD.

References: <https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/add-custom-domain>

#### NEW QUESTION 211

You need to resolve the Active Directory issue. What should you do?

- A. From Active Directory Users and Computers, select the user accounts, and then modify the User PrincipalName value.
- B. Run `idfix.exe`, and then use the Edit action.
- C. From Active Directory Domains and Trusts, modify the list of UPN suffixes.
- D. From Azure AD Connect, modify the outbound synchronization rule.

**Answer:** B

#### Explanation:

IdFix is used to perform discovery and remediation of identity objects and their attributes in an on-premises Active Directory environment in preparation for migration to Azure Active Directory. IdFix is intended for the Active Directory administrators responsible for directory synchronization with Azure Active Directory.

Scenario: 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.

References: <https://www.microsoft.com/en-us/download/details.aspx?id=36832>

#### NEW QUESTION 214

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