

# Exam Questions AZ-104

Microsoft Azure Administrator

<https://www.2passeasy.com/dumps/AZ-104/>



NEW QUESTION 1

HOTSPOT - (Topic 5)

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

Answer:

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:

Box 1: Remove the public IP address from VM1

If the Public IP on VM1 is set to Dynamic, that means it is a Public IP with Basic SKU because Public IPs with Standard SKU have Static assignments by default, that cannot be changed. We cannot associate Basic SKUs IPs with Standard SKUs LBs. One cannot create a backend SLB pool if the VM to be associated has a Public IP. For Private IP it doesn't matter weather it is dynamic or static, still we can add the such VM into the SLB backend pool.

Box 2: Create and configure an NSG

Standard Load Balancer is built on the zero trust network security model at its core. Standard Load Balancer secure by default and is part of your virtual network. The virtual network is a private and isolated network. This means Standard Load Balancers and Standard Public IP addresses are closed to inbound flows unless opened by Network Security Groups. NSGs are used to explicitly permit allowed traffic. If you do not have an NSG on a subnet or NIC of your virtual machine resource, traffic is not allowed to reach this resource. To learn more about NSGs and how to apply them for your scenario, see Network Security Groups. Basic Load Balancer is open to the internet by default.

NEW QUESTION 2

- (Topic 5)

You have an Azure subscription that contains two Log Analytics workspaces named Workspace 1 and Workspace? and 100 virtual machines that run Windows Server.

You need to collect performance data and events from the virtual machines. The solution must meet the following requirements:

- Logs must be sent to Workspace! and Workspace?
- All Windows events must be captured
- All security events must be captured.

What should you install and configure on each virtual machine?

- A. the Azure Monitor agent
- B. the Windows Azure diagnostics extension (WAD)
- C. the Windows VM agent

Answer: A

Explanation:

<https://learn.microsoft.com/en-us/azure/azure-monitor/agents/agents-overview> Azure Monitor Agent (AMA) collects monitoring data from the guest operating system of Azure and hybrid virtual machines and delivers it to Azure Monitor for use by features, insights, and other services, such as Microsoft Sentinel and Microsoft Defender for Cloud. Azure Monitor Agent replaces all of Azure Monitor's legacy monitoring agents.

NEW QUESTION 3

- (Topic 5)

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

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

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

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

Solution: On Subscription1, you assign the Logic App Operator role to the Developers group.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

The Logic App Operator role only grants the ability to read, enable, disable, and run logic apps. It does not grant the ability to create logic apps. To create logic apps, you need to assign the Logic App Contributor role or a higher-level role such as Owner or Contributor. Then, References: [Built-in roles for Azure resources] [Azure Logic Apps permissions and access control]

**NEW QUESTION 4**

HOTSPOT - (Topic 5)

Your company purchases a new Azure subscription.

You create a file named Deploy.json as shown in the following exhibit

```

1 {
2   "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
3   "contentVersion": "1.0.0.0",
4   "parameters": {},
5   "variables": {},
6   "resources": [
7     {
8       "type": "Microsoft.Resources/resourceGroups",
9       "apiVersion": "2018-05-01",
10      "location": "eastus",
11      "name": "[concat('RG', copyIndex())]",
12      "copy": {
13        "name": "copy",
14        "count": 3
15      }
16    },
17    {
18      "type": "Microsoft.Resources/deployments",
19      "apiVersion": "2021-04-01",
20      "name": "lockDeployment",
21      "resourceGroup": "RG1",
22      "dependsOn": ["[resourceId('Microsoft.Resources/resourceGroups/', 'RG1')]"],
23      "properties": {
24        "mode": "Incremental",
25        "template": {
26          "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
27          "contentVersion": "1.0.0.0",
28          "parameters": {},
29          "variables": {},
30          "resources": [
31            {
32              "type": "Microsoft.Authorization/locks",
33              "apiVersion": "2016-09-01",
34              "name": "rglock",
35              "properties": {
36                "level": "CanNotDelete"
37              }
38            }
39          ]
40        }
41      }
42    },
43    {
44      "type": "Microsoft.Resources/deployments",
45      "apiVersion": "2021-04-01",
46      "name": "lockDeployment",
47      "resourceGroup": "RG2",
48      "dependsOn": ["[resourceId('Microsoft.Resources/resourceGroups/', 'RG2')]"],
49      "properties": {
50        "mode": "Incremental",
51        "template": {
52          "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
53          "contentVersion": "1.0.0.0",
54          "parameters": {},
55          "variables": {},
56          "resources": [
57            {
58              "type": "Microsoft.Authorization/locks",
59              "apiVersion": "2016-09-01",
60              "name": "rgLock",
61              "properties": {
62                "level": "ReadOnly"
63              }
64            }
65          ]
66        }
67      }
68    }
69  ],
70  "outputs": {}
71 }

```

You connect to the subscription and run the following cmdlet:  
 New-AzDeployment -Location westus -TemplateFile "deploy.json"  
 For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area			
Statements	Yes	No	
You can deploy a virtual machine to RG1.	<input type="radio"/>	<input type="radio"/>	
You can deploy a virtual machine to RG2.	<input type="radio"/>	<input type="radio"/>	
You can manually create a resource group named RG3.	<input type="radio"/>	<input type="radio"/>	

A. Mastered  
 B. Not Mastered

Answer: A



#### Explanation:

Based on the file named Deploy.json and the cmdlet you ran, here are the answers to your statements:

? You can deploy a virtual machine to RG1. = No

? You can deploy a virtual machine to RG2. = No

? You can manually create a resource group named RG3. = Yes Let me explain why:

? The Deploy.json file defines a template for creating a resource group and a virtual machine in Azure. The template has two parameters: resourceGroupName and vmName. The template also has two resources: one for the resource group and one for the virtual machine. The resource group resource has a property called name, which is set to the value of the resourceGroupName parameter. The virtual machine resource has a property called location, which is set to the value of the location parameter of the deployment cmdlet.

? The cmdlet you ran specifies the location as westus and the template file as Deploy.json. However, it does not specify any values for the resourceGroupName and vmName parameters. Therefore, the cmdlet will prompt you to enter those values interactively before creating the deployment.

? If you enter RG1 as the value for the resourceGroupName parameter and VM1 as the value for the vmName parameter, then the cmdlet will create a resource group named RG1 and a virtual machine named VM1 in the westus location. Therefore, you can deploy a virtual machine to RG1.

? However, if you enter RG2 as the value for the resourceGroupName parameter, then the cmdlet will fail with an error. This is because RG2 already exists in your subscription and you cannot create a resource group with the same name as an existing one. Therefore, you cannot deploy a virtual machine to RG2 using this template and cmdlet.

? You can manually create a resource group named RG3 by using another cmdlet: New-AzResourceGroup. This cmdlet takes two parameters: Name and Location. For example, you can run the following cmdlet to create a resource group named RG3 in westus:

New-AzResourceGroup -Name RG3 -Location westus

#### NEW QUESTION 5

- (Topic 5)

You have two Azure virtual machines named VM1 and VM2 that run Windows Server. The virtual machines are in a subnet named Subnet1. Subnet1 is in a virtual network named VNet1. You need to prevent VM1 from accessing VM2 on port 3389. What should you do?

- A. Create a network security group (NSG) that has an outbound security rule to deny destination port 3389 and apply the NSG to the network interface of VM1.
- B. Create a network security group (NSG) that has an inbound security rule to deny source port 3389 and apply the NSG to Subnet1.
- C. Create a network security group (NSG) that has an outbound security rule to deny source port 3389 and apply the NSG to Subnet1.
- D. Configure Azure Bastion in VNet1.

**Answer: A**

#### NEW QUESTION 6

- (Topic 5)

You have an Azure subscription that uses the public IP addresses shown in the following table.

Name	IP version	SKU	IP address assignment	Availability zone
IP1	IPv6	Basic	Static	Not applicable
IP2	IPv6	Basic	Dynamic	Not applicable
IP3	IPv6	Standard	Static	Zone-redundant

You need to create a public Azure Standard Load Balancer. Which public IP addresses can you use?

- A. IP1 and IP3 only
- B. IP1, IP2, and IP3
- C. IP2 only
- D. IP3 only

**Answer: D**

#### Explanation:

A Basic Load Balancer can use the Basic SKU Public IP address's, but a Standard load balancer requires a Standard SKU Public IP address.

Excerpt from link below:

The standard SKU is required if you associate the address to a standard load balancer. For more information about standard load balancers, see Azure load balancer standard SKU.

<https://learn.microsoft.com/en-us/azure/virtual-network/ip-services/virtual-network-public-ip-address>

Excerpt from link below:

Key scenarios that you can accomplish using Azure Standard Load Balancer include:

-Enable support for load-balancing of IPv6.

<https://learn.microsoft.com/en-us/azure/load-balancer/load-balancer-overview#why-use-azure-load-balancer>

#### NEW QUESTION 7

HOTSPOT - (Topic 5)

You have an Azure subscription that contains a resource group named RG1.

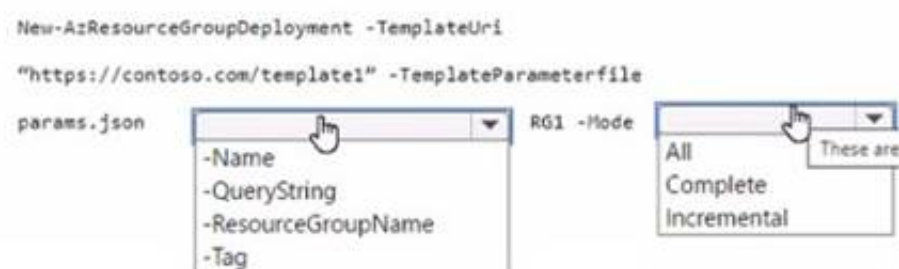
You plan to use an Azure Resource Manager (ARM) template named template1 to deploy resources. The solution must meet the following requirements:

- Deploy new resources to RG1.
- Remove all the existing resources from RG1 before deploying the new resources.

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



- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

<https://learn.microsoft.com/en-us/powershell/module/az.resources/new-azresourcegroupdeployment?view=azps-9.3.0#-resourcegroupname> Specifies the name of the resource group to deploy.

<https://learn.microsoft.com/en-us/powershell/module/az.resources/new-azresourcegroupdeployment?view=azps-9.3.0#-mode>

Specifies the deployment mode. The acceptable values for this parameter are:

- Complete: In complete mode, Resource Manager deletes resources that exist in the resource group but are not specified in the template.
- Incremental: In incremental mode, Resource Manager leaves unchanged resources that exist in the resource group but are not specified in the template.

### NEW QUESTION 8

- (Topic 5)

You create an Azure Storage account.

You plan to add 10 blob containers to the storage account.

For one of the containers, you need to use a different key to encrypt data at rest. What should you do before you create the container?

- A. Modify the minimum TLS version.
- B. Create an encryption scope.
- C. Generate a shared access signature (SAS).
- D. Rotate the access keys.

**Answer:** B

### Explanation:

<https://learn.microsoft.com/en-us/azure/storage/blobs/encryption-scope-overview#how-encryption-scopes-work>

### NEW QUESTION 9

- (Topic 4)

You need to add VM1 and VM2 to the backend pool of LB1. What should you do first?

- A. Create a new NSG and associate the NSG to VNET1/Subnet1.
- B. Connect VM2 to VNET1/Subnet1.
- C. Redeploy VM1 and VM2 to the same availability zone.
- D. Redeploy VM1 and VM2 to the same availability set.

**Answer:** B

### NEW QUESTION 10

- (Topic 3)

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

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

**Answer: D**

**Explanation:**

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

Scenario:

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

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

**NEW QUESTION 10**

- (Topic 3)

You need to meet the user requirement for Admin1. What should you do?

- A. From the Subscriptions blade, select the subscription, and then modify the Properties.
- B. From the Subscriptions blade, select the subscription, and then modify the Access control (IAM) settings.
- C. From the Azure Active Directory blade, modify the Properties.
- D. From the Azure Active Directory blade, modify the Groups.

**Answer: A**

**Explanation:**

Change the Service administrator for an Azure subscription

? Sign in to Account Center as the Account administrator.

? Select a subscription.

? On the right side, select Edit subscription details.

Scenario: Designate a new user named Admin1 as the service administrator of the Azure subscription.

References: <https://docs.microsoft.com/en-us/azure/billing/billing-add-change-azure-subscription-administrator>

**NEW QUESTION 13**

- (Topic 3)

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

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

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

**Answer: C**

**Explanation:**

As App1 is public-facing we need an incoming security rule, related to the access of the web servers.

Scenario: You have a public-facing application named App1. App1 is comprised of the following three tiers: a SQL database, a web front end, and a processing middle tier. Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

**NEW QUESTION 15**

HOTSPOT - (Topic 3)

You need to identify the storage requirements for Contoso.

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Contoso requires a storage account that supports Blob storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure Table storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure File Storage.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Statement 1: Yes

Contoso is moving the existing product blueprint files to Azure Blob storage which will ensure that the blueprint files are stored in the archive storage tier. Use unmanaged standard storage for the hard disks of the virtual machines. We use Page Blobs for these.

Statement 2: No

Azure Table storage stores large amounts of structured data. The service is a NoSQL datastore which accepts authenticated calls from inside and outside the Azure cloud. Azure tables are ideal for storing structured, non-relational data. Common uses of Table storage include:

- \* 1. Storing TBs of structured data capable of serving web scale applications
- \* 2. Storing datasets that don't require complex joins, foreign keys, or stored procedures and can be denormalized for fast access
- \* 3. Quickly querying data using a clustered index
- \* 4. Accessing data using the OData protocol and LINQ queries with WCF Data Service.NET Libraries

Statement 3: No

File Storage can be used if your business use case needs to deal mostly with standard File extensions like \*.docx, \*.png and \*.bak then you should probably go with this storage option.



NEW QUESTION 16

HOTSPOT - (Topic 2)

You are evaluating the name resolution for the virtual machines after the planned implementation of the Azure networking infrastructure. For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statements	Yes	No
The virtual machines on Subnet1 will be able to resolve the hosts in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>
The virtual machines on Subnet4 will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
The virtual machines on Subnet1 will be able to resolve the hosts in the humongousinsurance.local zone.	<input checked="" type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to register the hostname records in the humongousinsurance.local zone.	<input checked="" type="radio"/>	<input type="radio"/>
The virtual machines on Subnet4 will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input checked="" type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statement 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.

Microsoft Windows Server Active Directory domains, can resolve DNS names between virtual networks. Automatic registration of virtual machines from a virtual network that's linked to a private zone with auto-registration enabled. Forward DNS resolution is supported across virtual networks that are linked to the private zone.

Statement 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.

As this is a registration network so this will work.

Statement 3: No

Only VMs in the registration network, here the ClientResources-VNet, will be able to register hostname records. Since Subnet4 not connected to Client Resources Network thus not able to register its hostname with humongoinsurance.local

#### NEW QUESTION 17

- (Topic 2)

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 22

- (Topic 1)

You need to recommend a solution to automate the configuration for the finance department users. The solution must meet the technical requirements.

What should you include in the recommended?

- A. Azure AP B2C
- B. Azure AD Identity Protection
- C. an Azure logic app and the Microsoft Identity Management (MIM) client
- D. dynamic groups and conditional access policies

**Answer:** D

**Explanation:**

Technically, The finance department needs to migrate their users from AD to AAD using AADC based on the finance OU, and need to enforce MFA use. This is conditional access policy. Employees also often get promotions and/or join other departments and when that occurs, the user's OU attribute will change when the admin puts the user in a new OU, and the dynamic group conditional access exception (OU= [Department Name Value]) will move the user to the appropriate dynamic group on next AADC delta sync.

<https://docs.microsoft.com/en-us/azure/active-directory/enterprise-users/groups-dynamic-membership>

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview> <https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-userstates>

**NEW QUESTION 27**

HOTSPOT - (Topic 5)

You plan to deploy five virtual machines to a virtual network subnet.

Each virtual machine will have a public IP address and a private IP address. Each virtual machine requires the same inbound and outbound security rules.

What is the minimum number of network interfaces and network security groups that you require? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Minimum number of network interfaces:

	▼
5	
10	
15	
20	

Minimum number of network security groups:

	▼
1	
2	
5	
10	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: 5

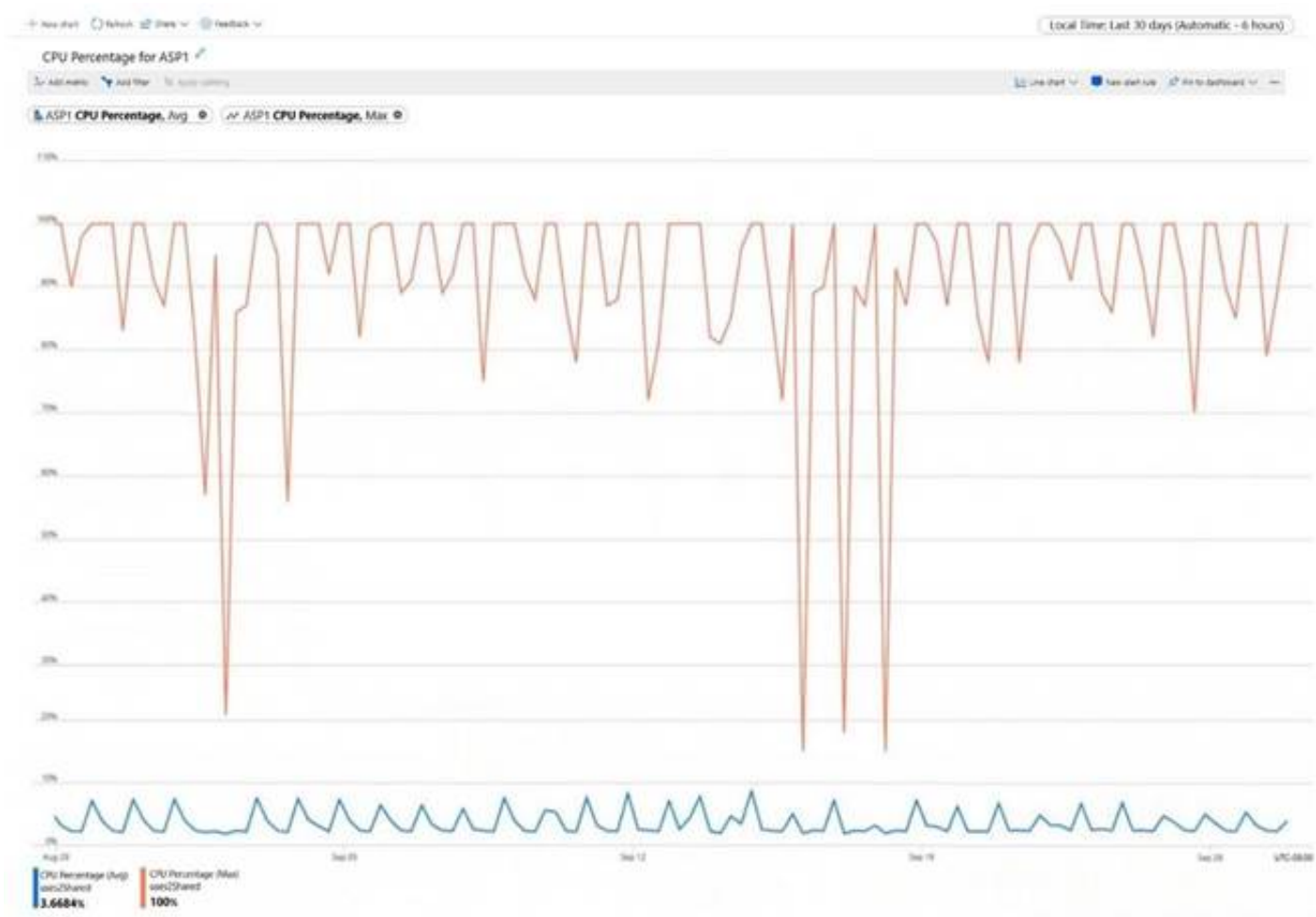
A public and a private IP address can be assigned to a single network interface. Box 2: 1

You can associate zero, or one, network security group to each virtual network subnet and network interface in a virtual machine. The same network security group can be associated to as many subnets and network interfaces as you choose.

**NEW QUESTION 29**

HOTSPOT - (Topic 5)

You have an Azure App Service plan named ASP1. CPU usage for ASP1 is 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**

The average CPU percentage is calculated [answer choice] per day.

ASP1 must be [answer choice] to optimize CPU usage.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

? The average CPU percentage is calculated 24 times per day. This is because the exhibit shows the CPU percentage for ASP1 in a 24-hour period, with one data point for each hour. Therefore, the average CPU percentage is calculated once per hour, or 24 times per day1.

? ASP1 must be scaled out to optimize CPU usage. This is because the exhibit shows that the CPU percentage for ASP1 is consistently above 80%, which indicates that the app service plan is under high load and needs more instances to handle the traffic. Scaling out means adding more instances to an app service plan, which can improve the performance and availability of the apps hosted on it2. Scaling up means changing the pricing tier of an app service plan, which can increase the resources available for each instance, but not necessarily reduce the CPU usage3.

NEW QUESTION 30

HOTSPOT - (Topic 5)

You have an Azure subscription.

You plan to use Azure Resource Manager templates to deploy 50 Azure virtual machines that will be part of the same availability set.

You need to ensure that as many virtual machines as possible are available if the fabric fails or during servicing.

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

NOTE: Each correct selection is worth one point.

```
{
  "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json",
  "contentVersion": "1.0.0.0",
  "parameters": {},
  "resources": [
    {
      "type": "Microsoft.Compute/availabilitySets",
      "name": "ha",
      "apiVersion": "2017-12-01",
      "location": "eastus",
      "properties": {
        "platformFaultDomainCount":  ,
        "platformUpdateDomainCount": 
      }
    }
  ]
}
```

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Box 1 = max value Box 2 = 20

Explanation

Use max for platformFaultDomainCount

2 or 3 is max value, depending on which region you are in. Use 20 for platformUpdateDomainCount

Increasing the update domain (platformUpdateDomainCount) helps with capacity and availability planning when the platform reboots nodes. A higher number for the pool (20 is max) means that fewer of their nodes in any given availability set would be rebooted at once.

References:

<https://www.itprotoday.com/microsoft-azure/check-if-azure-region-supports-2-or-3-fault-domains-managed-disks>

<https://github.com/Azure/acs-engine/issues/1030>

**NEW QUESTION 34**

- (Topic 5)

You have an Azure subscription that contains a storage account. The account stores website data.

You need to ensure that inbound user traffic uses the Microsoft point-of-presence (POP) closest to the user's location.

What should you configure?

- A. load balancing  
 B. private endpoints  
 C. Azure Firewall rules  
 D. Routing preference

**Answer:** D

**Explanation:**

Routing preference is a feature that allows you to configure how network traffic is routed to your storage account from clients over the internet. By default, traffic from the internet is routed to the public endpoint of your storage account over the Microsoft global network, which is optimized for low-latency path selection and high reliability. Both inbound and outbound traffic are routed through the point of presence (POP) that is closest to the client. This ensures that traffic to and from your storage account traverses over the Microsoft global network for the bulk of its path, maximizing network performance. You can also change the routing preference to use internet routing, which minimizes the traversal of your traffic over the Microsoft global network, handing it off to the transit ISP at the earliest opportunity. This lowers networking costs, but may compromise network performance. Therefore, to ensure that inbound user traffic uses the Microsoft POP closest to the user's location, you should configure routing preference to use the Microsoft global network as the default routing option for your storage account.

References:

? Network routing preference for Azure Storage

? Configure network routing preference for Azure Storage

**NEW QUESTION 39**

- (Topic 5)

You have an Azure virtual machine named VM1. Azure collects events from VM1.

You are creating an alert rule in Azure Monitor to notify an administrator when an error is logged in the System event log of VM1.

You need to specify which resource type to monitor. What should you specify?

- A. metric alert  
 B. Azure Log Analytics workspace  
 C. virtual machine  
 D. virtual machine extension

**Answer:** B

**Explanation:**

Azure Monitor can collect data directly from your Azure virtual machines into a Log Analytics workspace for analysis of details and correlations. Installing the Log Analytics VM extension for Windows and Linux allows Azure Monitor to collect data from your Azure VMs.

Azure Log Analytics workspace is also used for on-premises computers monitored by System Center Operations Manager.

Reference:



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

NEW QUESTION 44

HOTSPOT - (Topic 5)

... in the following exhibit.

```
PS Azure:\> az vm availability-set list --resource-group RG1
[
  {
    "id": "/subscriptions/8372f433-2dcd-4361-b5ef-5b188fed87d0/resourceGroups/RG1/providers/Microsoft.Compute/availabilitySets/WEBPROD-AS-USE2",
    "location": "eastus2",
    "name": "WEBPROD-AS-USE2",
    "platformFaultDomainCount": 2,
    "platformUpdateDomainCount": 10,
    "proximityPlacementGroup": null,
    "resourceGroup": "RG1",
    "sku": {
      "capacity": null,
      "name": "Aligned",
      "tier": null
    },
    "statuses": null,
    "tags": {},
    "type": "Microsoft.Compute/availabilitySets",
    "virtualMachines": []
  }
]
```

You add 14 virtual machines to WEBPROD-AS-USE2.  
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point.

When Microsoft performs planned maintenance in East US 2, the maximum number of unavailable virtual machines will be [answer choice].

2

7

10

14

If the server rack in the Azure datacenter that hosts WEBPROD-AS-USE2 experiences a power failure, the maximum number of unavailable virtual machines will be [answer choice].

2

7

10

14

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 2  
There are 10 update domains. The 14 VMs are shared across the 10 update domains so four update domains will have two VMs and six update domains will have one VM. Only one update domain is rebooted at a time.  
Therefore, a maximum of two VMs will be offline. Box 2: 7  
There are 2 fault domains. The 14 VMs are shared across the 2 fault domains, so 7 VMs in each fault domain.  
A rack failure will affect one fault domain so 7 VMs will be offline.

NEW QUESTION 45

- (Topic 5)

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

Name	Type
Storage1	Storage account
RG1	Resource group
Container1	Blob container
Share1	File share

Another administrator deploys a virtual machine named VM1 and an Azure Storage account named Storage2 by using a single Azure Resource Manager template. You need to view the template used for the deployment.

From which blade can you view the template that was used for the deployment?

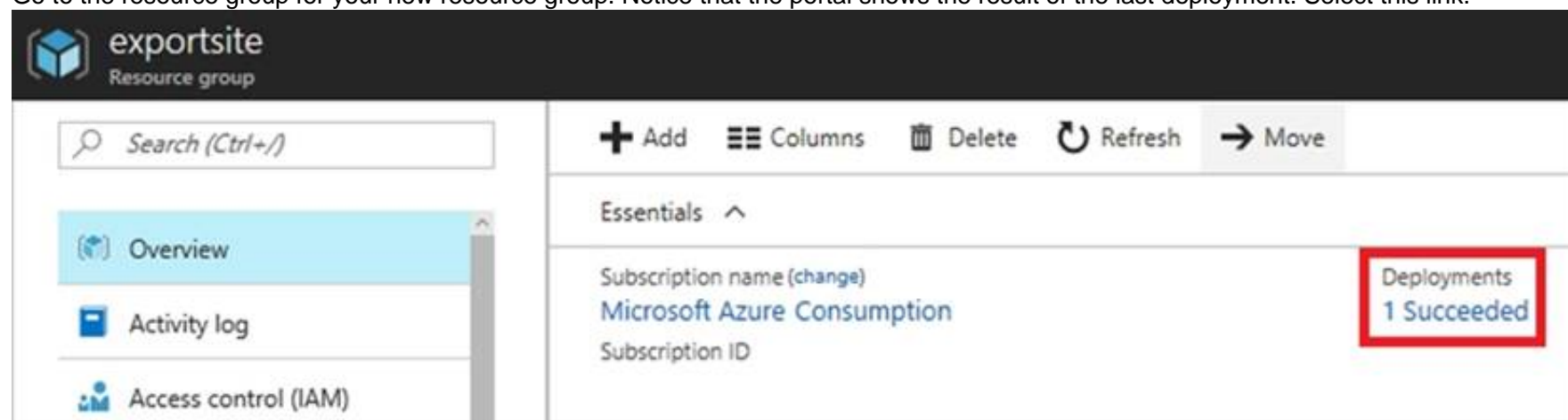
- A. RG1
- B. VM1
- C. Storage1
- D. Container1

**Answer:** A

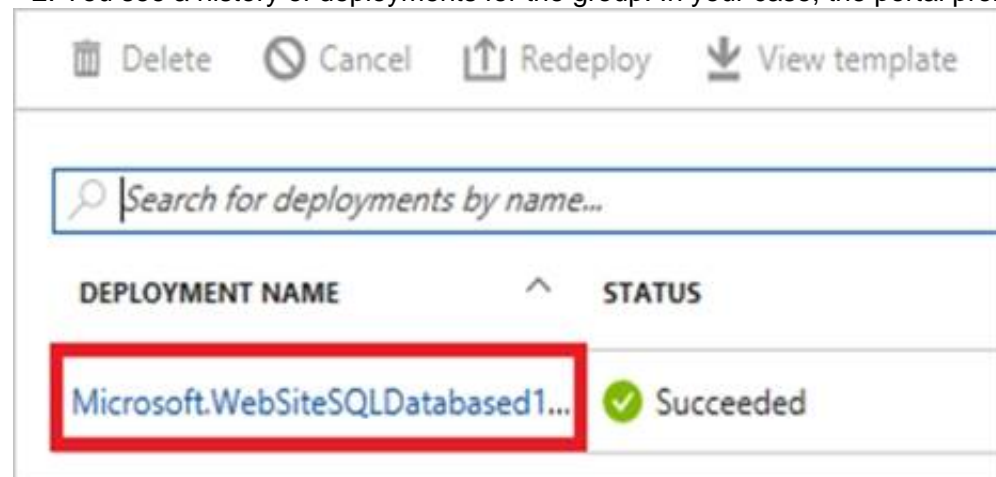
**Explanation:**

\* 1. View template from deployment history

Go to the resource group for your new resource group. Notice that the portal shows the result of the last deployment. Select this link.



\* 2. You see a history of deployments for the group. In your case, the portal probably lists only one deployment. Select this deployment.



The portal displays a summary of the deployment. The summary includes the status of the deployment and its operations and the values that you provided for parameters. To see the template that you used for the deployment, select View template.

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-export-template>

#### NEW QUESTION 47

- (Topic 5)

You have an Azure subscription that contains The storage accounts shown in the following table.

Name	Kind	Region
storage1	StorageV2	Central US
storage2	BlobStorage	West US
storage3	BlockBlobStorage	West US
storage4	FileStorage	East US

You deploy a web app named Appl to the West US Azure region. You need to back up Appl. The solution must minimize costs. Which storage account should you use as the target for the backup?

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

To back up a web app, you need to configure a custom backup that specifies a storage account and a container as the target for the backup1. The storage account must be in the same subscription as the web app, and the container must be accessible by the web app2. The backup size is limited to 10 GB, and the backup frequency can be configured to minimize costs.

According to the table, storage1 is the only storage account that meets these requirements. Storage1 is in the same subscription and region as the web app, and it is a general- purpose v2 account that supports custom backups. Storage2 and storage3 are in a different region than the web app, which may incur additional costs for data transfer. Storage4 is a FilesStorage account, which does not support custom backups.

Therefore, you should use storage1 as the target for the backup of your web app. To configure a custom backup, you can follow these steps:

? In your app management page in the Azure portal, in the left menu, select

Backups.

? At the top of the Backups page, select Configure custom backups.

? In Storage account, select storage1. Do the same with Container.

? Specify the backup frequency, retention period, and database settings as needed.

? Click Configure.

? At the top of the Backups page, select Backup Now.

### NEW QUESTION 51

HOTSPOT - (Topic 5)

```
{
  "id": "b988327b-7dae-4d00-8925-1cc14fd68be4",
  "properties": {
    "roleName": "Role1",
    "description": "",
    "assignableScopes": [
      "/subscriptions/c691ad84-99f2-42fd-949b-58afd7ef6ab3"
    ],
    "permissions": [
      {
        "actions": [
          "Microsoft.Resources/subscription/resourceGroups/resources/read",
          "Microsoft.Resources/subscription/resourceGroups/read",
          "Microsoft.Resourcehealth/*",
          "Microsoft.Authorization/*/read",
          "Microsoft.Compute/*/read",
          "Microsoft.Support/*",
          "Microsoft.Authorization/*/read",
          "Microsoft.Network/virtualNetworks/read",
          "Microsoft.Resources/deployments/*",
          "Microsoft.Resources/subscription/resourceGroups/read",
          "Microsoft.Storage/storageAccounts/read",
          "Microsoft.Compute/virtualMachines/start/action",
          "Microsoft.Compute/virtualMachines/powerOff/action",
          "Microsoft.Compute/virtualMachines/deallocate/action",
          "Microsoft.Compute/virtualMachines/restart/action",
          "Microsoft.Compute/virtualMachines/*",
          "Microsoft.Compute/disks/*",
          "Microsoft.Compute/availabilitySets/*",
          "Microsoft.Network/virtualNetworks/subnets/join/action",
          "Microsoft.Network/virtualNetworks/subnets/read",
          "Microsoft.Network/virtualNetworks/subnets/virtualMachines/read",
          "Microsoft.Network/networkinterfaces/*",
          "Microsoft.Compute/snapshots/*"
        ],
        "notAction": [
          "Microsoft.Authorization/*/Delete",
          "Microsoft.Authorization/*/Write",
          "Microsoft.Authorization/elevateAccess/action"
        ]
      }
    ]
  }
}
```

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
Users that are assigned Role1 can assign Role1 to users.	<input type="radio"/>	<input type="radio"/>
Users that are assigned Role1 can deploy new virtual machines.	<input type="radio"/>	<input type="radio"/>
Users that are assigned Role1 can set a static IP address on a virtual machine.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

Answer: A

### Explanation:

Box 1: N

Because doesn't have:

Microsoft.Authorization/\*/Write - Create roles, role assignments, policy assignments, policy definitions and policy set definitions

Box 2; Yes

Has been assigned;



Microsoft.Compute/virtualMachines/\* - Perform all virtual machine actions including create, update, delete, start, restart, and power off virtual machines. Execute scripts on virtual machines.

Box 3: Y

Has been assigned;

Microsoft.Network/networkInterfaces/\* - Create and manage network interfaces

See;

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

#### NEW QUESTION 54

HOTSPOT - (Topic 5)

You have an Azure subscription that contains a storage account named storage1. The storage 1 account contains a container named container1.

You create a blob lifecycle rule named rule1.

You need to configure rule1 to automatically move blobs that were NOT updated for 45 days from container1 to the Cool access tier.

How should you complete the rule? To answer, select the appropriate options in the answer area.

NOTE: Each correct answer is worth one point.

#### Answer Area

```
{
  "rules": [
    {
      "enabled": true,
      "name": "rule1",
      "type": "Lifecycle",
      "definition": {
        "actions": {
          "baseBlob": {
            "tierToCool": {
```

"daysAfterCreationCreatedThan"  
 "daysAfterLastAccessTimeGreaterThan"  
 "daysAfterModificationGreaterThan"

: 45

```
      }
    },
  ],
  "filters": {
    "blobTypes": [
```

"AppendBlob"  
 "Blockblob"  
 "Pageblob"

```
],
    "prefixMatch": [
      "container1"
    ]
  }
}
```

Answer:

## Answer Area

```
{
  "rules": [
    {
      "enabled": true,
      "name": "rule1",
      "type": "Lifecycle",
      "definition": {
        "actions": {
          "baseBlob": {
            "tierToCool": {
              "daysAfterCreationCreaterThan"
              "daysAfterLastAccessTimeGreaterThan"
              "daysAfterModificationGreaterThan"
            }
          }
        },
        "filters": {
          "blobTypes": [
            "AppendBlob"
            "Blockblob"
            "Pageblob"
          ],
          "prefixMatch": [
            "container1"
          ]
        }
      }
    }
  ]
}
```

- A. Mastered  
 B. Not Mastered

**Answer:** A

### Explanation:

- \* 1. daysAfterModificationGreaterThan
- \* 2. Blockblob

<https://learn.microsoft.com/en-us/azure/storage/blobs/lifecycle-management-overview#rule-actions>  
 daysAfterModificationGreaterThan

## NEW QUESTION 57

- (Topic 5)

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

You have a CSV file that contains the names and email addresses of 500 external users. You need to create a guest user account in contoso.com for each of the 500 external users.

Solution: You create a Power Shell script that runs the New-MgUser cmdlet for each user.

Does this meet the goal?

- A. Yes  
 B. NO

**Answer:** B

### Explanation:

The New-MgUser cmdlet is part of the Microsoft Graph PowerShell SDK, which is a module that allows you to interact with the Microsoft Graph API. The Microsoft Graph API is a service that provides access to data and insights across Microsoft 365, such as users, groups, mail, calendar, contacts, files, and more1.



The New-MgUser cmdlet can be used to create new users in your Azure AD tenant, but it has some limitations and requirements. For example, you need to have the Global Administrator or User Administrator role in your tenant, you need to authenticate with the Microsoft Graph API using a certificate or a client secret, and you need to specify the required parameters for the new user, such as userPrincipalName, accountEnabled, displayName, mailNickname, and passwordProfile2. However, the New-MgUser cmdlet does not support creating guest user accounts in your Azure AD tenant. Guest user accounts are accounts that belong to external users from other organizations or domains. Guest user accounts have limited access and permissions in your tenant, and they are typically used for collaboration or sharing purposes3.

To create guest user accounts in your Azure AD tenant, you need to use a different cmdlet: New-AzureADMSInvitation. This cmdlet is part of the Azure AD PowerShell module, which is a module that allows you to manage your Azure AD resources and objects. The New- AzureADMSInvitation cmdlet can be used to create and send an invitation email to an external user, which contains a link to join your Azure AD tenant as a guest user. You can also specify some optional parameters for the invitation, such as the invited user display name, message info, redirect URL, or send invitation message.

Therefore, to meet the goal of creating guest user accounts for 500 external users from a CSV file, you need to use a PowerShell script that runs the New-AzureADMSInvitation cmdlet for each user, not the New-MgUser cmdlet.

#### NEW QUESTION 59

HOTSPOT - (Topic 5)

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

Name	Type	Resource group	Tag
RG6	Resource group	<i>Not applicable</i>	<i>None</i>
VNET1	Virtual network	RG6	Department: D1

You assign a policy to RG6 as shown in the following table:

Section	Setting	Value
Scope	Scope	Subscription1/RG6
	Exclusions	<i>None</i>
Basics	Policy definition	Apply tag and its default value
	Assignment name	Apply tag and its default value
Parameters	Tag name	Label
	Tag value	Value1

To RG6, you apply the tag: RGroup: RG6.

You deploy a virtual network named VNET2 to RG6.

Which tags apply to VNET1 and VNET2? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

VNET1:

None  
Department: D1 only  
Department: D1, and RGroup: RG6 only  
Department: D1, and Label: Value1 only  
Department: D1, RGroup: RG6, and Label: Value1

VNET2:

None  
RGroup: RG6 only  
Label: Value1 only  
RGroup: RG6, and Label: Value1

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies>

#### NEW QUESTION 61

HOTSPOT - (Topic 5)

You have an Azure subscription that contains the public load balancers shown in the following table.

Name	SKU
LB1	Basic
LB2	Standard

You plan to create six virtual machines and to load balance requests to the virtual machines. Each load balancer will load balance three virtual machines.

You need to create the virtual machines for the planned solution.  
 How should you create the virtual machines? To answer, select the appropriate options in the answer area.  
 NOTE: Each correct selection is worth one point.

**Answer Area**

The virtual machines that will be load balanced by using LB1 must:

- be created in the same availability set or virtual machine scale set.
- be connected to the same virtual network.
- be created in the same resource group.
- be created in the same availability set or virtual machine scale set.
- run the same operating system.

The virtual machines that will be load balanced by using LB2 must:

- be connected to the same virtual network.
- be connected to the same virtual network.
- be created in the same resource group.
- be created in the same availability set or virtual machine scale set.
- run the same operating system.

Answer:

**Answer Area**

The virtual machines that will be load balanced by using LB1 must:

- be created in the same availability set or virtual machine scale set.
- be connected to the same virtual network.
- be created in the same resource group.
- be created in the same availability set or virtual machine scale set.
- run the same operating system.

The virtual machines that will be load balanced by using LB2 must:

- be connected to the same virtual network.
- be connected to the same virtual network.
- be created in the same resource group.
- be created in the same availability set or virtual machine scale set.
- run the same operating system.

- A. Mastered
- B. Not Mastered

Answer: A

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

NEW QUESTION 63

HOTSPOT - (Topic 5)  
 You have an Azure subscription that contains the resources shown in the following table

Name	Type
ManagementGroup1	Management group
RG1	Resource group
9c8bc1cd-7655-4c66-b3ea-a8ee101d8f75	Subscription ID
Tag1	Tag

In Azure Cloud Shell, you need to create a virtual machine by using an Azure Resource Manager (ARM) template.  
 How should you complete the command? To answer, select the appropriate options in the answer area,  
 NOTE: Each correct selection is worth one point.

```
$adminPassword = Read-Host -Prompt "Enter the administrator password" -AsSecureString
```

New-AzVm  
New-AzResource  
New-AzTemplateSpec  
New-AzResourceGroupDeployment

-Tag Tag1 '  
-ResourceGroupName RG1 '  
-GroupName ManagementGroup1 '  
-Subscription 9c8bc1cd-7655-4c66-b3ea-a8ee101d8f75

```
- TemplateUri "https://raw.githubusercontent.com/Azure/azure-quickstart-templates/master/101-vm-simple-windows/azuredeploy.json" '  

- adminUsername LocalAdministrator -adminPassword $adminPassword -dnsLabelPrefix ContosoVM1
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 65

HOTSPOT - (Topic 5)  
 You have an Azure subscription that contains a virtual machine named VM1.  
 To VM1, you plan to add a 1-TB data disk that meets the following requirements:

- Provides data resiliency in the event of a datacenter outage.
- Provides the lowest latency and the highest performance.
- Ensures that no data loss occurs if a host fails.

You need to recommend which type of storage and host caching to configure for the new data disk.

## Answer Area

Storage type:

- Premium SSD that uses locally-redundant storage (LRS)
- Premium SSD that uses zone-redundant storage (ZRS)
- Standard SSD that uses locally-redundant storage (LRS)
- Standard SSD that uses zone-redundant storage (ZRS)

Host caching:

- None
- Read-only
- Read/Write

- A. Mastered  
 B. Not Mastered

Answer: A

### Explanation:

Storage Type: Premium SSD that uses zone-redundant storage (ZRS) Host Caching: Read-only

The reasons for this recommendation are:

? Premium SSD disks provide the lowest latency and the highest performance among the available disk types<sup>12</sup>.

? Zone-redundant storage (ZRS) provides data resiliency in the event of a datacenter outage by replicating the data across three availability zones in the same region<sup>12</sup>.

? Read-only host caching can improve the read performance of the disk by using the VM's RAM and local SSD as a cache<sup>13</sup>. This can also reduce the impact of a host failure on the disk data, as the cached data is not lost<sup>4</sup>.

? Read/write host caching is not recommended for Premium SSD disks, as it can introduce additional latency and reduce the durability guarantees of the disk<sup>13</sup>.

### NEW QUESTION 66

- (Topic 5)

You have an Azure subscription that contains an Azure Storage account.

You plan to create an Azure container instance named container1 that will use a Docker image named Image1. Image1 contains a Microsoft SQL Server instance that requires persistent storage.

You need to configure a storage service for Container1. What should you use?

- A. Azure Files  
 B. Azure Blob storage  
 C. Azure Queue storage  
 D. Azure Table storage

Answer: A

### Explanation:

<https://azure.microsoft.com/en-us/blog/persistent-docker-volumes-with- azure-file-storage/>

### NEW QUESTION 70

HOTSPOT - (Topic 5)

You have two Azure App Service apps named App1 and App2. Each app has a production deployment slot and a test deployment slot. The Backup Configuration settings for the production slots are shown in the following table.

App	Backup Every	Start backup schedule from	Retention (Days)	Keep at least one backup
App1	1 Days	January 6, 2021	0	Yes
App2	1 Days	January 6, 2021	30	Yes

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

Answer Area

Statements	Yes	No
On January 15, 2021, App1 will have only one backup in storage.	<input type="radio"/>	<input type="radio"/>
On February 6, 2021, you can access the backup of the App2 test slot from January 15, 2021.	<input type="radio"/>	<input type="radio"/>
On January 15, 2021, you can restore the App2 production slot backup from January 6 to	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

Answer: A

### Explanation:



? On January 15, 2021, App1 will have only one backup in storage. Yes, this is correct. According to the table, App1 has a backup every 1 day, starting from January 6, 2021, with a retention of 0 days. This means that each backup will be deleted after 0 days, or as soon as the next backup is created. Therefore, on January 15, 2021, App1 will have only one backup in storage, which is the one created on that day1.

? On February 6, 2021, you can access the backup of the App2 test slot from

January 15, 2021. No, this is not correct. According to the table, App2 has a backup every 1 day, starting from January 6, 2021, with a retention of 30 days. This means that each backup will be deleted after 30 days, or when the storage limit is reached. However, the table also shows that App2 has a setting of “Keep at least one backup” set to Yes. This means that the oldest backup will be retained even if it exceeds the retention period or the storage limit2. Therefore, on February 6, 2021, you can access the backup of the App2 test slot from January 6, 2021, but not from January 15, 2021.

? On January 15, 2021, you can restore the App2 production slot backup from January 6 to the App2 test slot. Yes, this is correct. According to the web search results, you can restore a backup by overwriting an existing app or by restoring to a new app or slot3. You can also restore a backup from a different slot or app as long as they are in the same subscription and region4. Therefore, on January 15, 2021, you can restore the App2 production slot backup from January 6 to the App2 test slot.

### NEW QUESTION 73

- (Topic 5)

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

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

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

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 Operator role to the Developers group. Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### Explanation:

The Logic App Operator role only grants the ability to read, enable, disable, and run logic apps. It does not grant the ability to create logic apps. To create logic apps, you need to assign the Logic App Contributor role or a higher-level role such as Owner or Contributor. Then, References: [Built-in roles for Azure resources] [Azure Logic Apps permissions and access control]

### NEW QUESTION 75

- (Topic 5)

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

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

You need to ensure that visitors are serviced by the same web server for each request. What should you configure?

- A. Floating IP (direct server return) to Enabled
- B. Idle Time-out (minutes) to 20
- C. Protocol to UDP
- D. Session persistence to Client IP and Protocol

**Answer: D**

#### Explanation:

<https://learn.microsoft.com/en-us/azure/load-balancer/distribution-mode-concepts>

Session persistence: Client IP and protocol - Traffic from the same client IP and protocol is routed to the same backend instance

### NEW QUESTION 79

- (Topic 5)

You develop the following Azure Resource Manager (ARM) template to create a resource group and deploy an Azure Storage account to the resource group.

Which cmdlet should you run to deploy the template?

- A. New-AzTenantDeployment
- B. New-AzResourceGroupDeployment
- C. New-AzResource
- D. New-AzOeployment

**Answer: B**

#### Explanation:

The New-AzResourceGroupDeployment cmdlet deploys an Azure Resource Manager template to a resource group. You can use this cmdlet to create a new resource group or update an existing one with the resources defined in the template. The template can be a local file or a URI. Then, References: [New-AzResourceGroupDeployment]

### NEW QUESTION 84

HOTSPOT - (Topic 5)

You have an Azure subscription.

You deploy a virtual machine scale set that is configure as shown in the following exhibit.

### Create a virtual machine scale set

Basics Disks Networking **Scaling** Management Health Advanced Tags Review + create

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application. [Learn more about VMSS scaling](#)

**Instance**

Initial instance count \*

**Scaling**

Scaling policy ☐ Manual ☒ Custom

Minimum number of VMs \*

Maximum number of VMs \*

**Scale out**

CPU threshold (%) \*

Duration in minutes \*

Number of VMs to increase by \*

**Scale in**

CPU threshold (%) \*

Number of VMs to decrease by \*

**Diagnostic logs**

Collect diagnostic logs from Autoscale ☒ Disabled ☐ Enabled

**Scale-In policy**

Configure the order in which virtual machines are selected for deletion during a scale-in operation. [Learn more about scale-in policies.](#)

Scale-in policy

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

Answer Area

At 9:00 AM, the scale set starts and CPU utilization is 90 percent for 15 minutes. How many virtual machine instances will be running at 9:15 AM?

2  
3  
4  
5

At 10:00 AM, the scale set has five virtual machine instances running and CPU utilization falls to less than 15 percent for 60 minutes. How many virtual machine instances will be running at 11:00 AM?

1  
2  
3  
4

- A. Mastered  
B. Not Mastered

Answer: A

#### Explanation:

Box-1 : 3

Initial starts 2 VM's 15 minutes have passed. at 10 minutes 1 VM was added we now have 3 VM's. Cool down is 5 Minutes before another 10 minute wait cycle starts so the answer is 3.

Box-2: 1

Initial 5 VM's 60 minutes Pass. 1 VM removed every 15 minute cycle. 10 minutes wait timer plus 5 minute cool down equals 15 minutes cycle. Four 15 minute cycles pass equaling 60 minutes removing 4 VM's. We have 1 VM left.

Default Scale in and Out Default Durations are 10 minutes with 5 minute cool down. The default scale set settings in Azure are:

- Minimum number of instances 1
- Maximum number of instances 10
- Scale out CPU threshold (%) 75
- Duration in minutes 10
- Number of instances to increase by 1
- Scale in CPU threshold (%) 25
- Number of instances to decrease by -1

<https://learn.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-autoscale-portal#create-a-rule-to-automatically-scale-in>

**NEW QUESTION 85**  
HOTSPOT - (Topic 5)



You have an Azure subscription.  
You create the following file named Deploy.json.

```
{
  "sku": {
    "name": "Premium_LRS"
  },
  "kind": "StorageV2",
  "properties": {},
  "copy": {
    "name": "storagecopy",
    "count": 3
  }
}
```

You connect to the subscription and run the following commands.

```
New-AzResourceGroup -Name RG1 -Location "centralus"
New-AzResourceGroupDeployment -ResourceGroupName RG1 -TemplateFile "deploy.json"
```

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
The commands will create four new resources.	<input type="radio"/>	<input type="radio"/>
The commands will create storage accounts in the West US Azure region.	<input type="radio"/>	<input type="radio"/>
The first storage account that is created will have a prefix of 0.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The commands will create four new resources.	<input checked="" type="radio"/>	<input type="radio"/>
The commands will create storage accounts in the West US Azure region.	<input type="radio"/>	<input checked="" type="radio"/>
The first storage account that is created will have a prefix of 0.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 90

- (Topic 5)  
You have an Azure AD tenant that is linked to 10 Azure subscriptions. You need to centrally monitor user activity across all the subscriptions. What should you use?

- A. Activity log filters
- B. Log Analytics workspace
- C. access reviews
- D. Azure Application Insights Profiler

Answer: B

Explanation:

https://learn.microsoft.com/en-us/azure/azure-monitor/essentials/activity-log?tabs=powershell#send-to-log-analytics-workspace Send the activity log to a Log Analytics workspace to enable the Azure Monitor Logs feature, where you: - Consolidate log entries from multiple Azure subscriptions and tenants into one location for analysis together.

NEW QUESTION 95

- (Topic 5)  
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.  
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
You have an Azure subscription that contains 10 virtual networks. The virtual networks are hosted in separate resource groups.  
Another administrator plans to create several network security groups (NSGs) in the subscription.  
You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.  
Solution: You configure a custom policy definition, and then you assign the policy to the subscription.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

A custom policy definition is a way to define your own rules for using Azure resources. You can use custom policies to enforce compliance, security, cost management, or organization-specific requirements. However, a custom policy definition alone is not enough to meet the goal of automatically blocking TCP port 8080 between the virtual networks. You also need to create a policy assignment that applies the custom policy definition to the scope of the subscription. A policy assignment is the link between a policy definition and an Azure resource. Without a policy assignment, the custom policy definition will not take effect. Therefore, the solution does not meet the goal.

References:

? Tutorial: Create a custom policy definition

? Create and manage policies to enforce compliance

**NEW QUESTION 98**

HOTSPOT - (Topic 5)

You have the Azure resources shown on the following exhibit.



You plan to track resource usage and prevent the deletion of resources.

To which resources can you apply locks and tags? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Locks:

	▼
RG1 and VM1 only	
Sub1 and RG1 only	
Sub1, RG1, and VM1 only	
MG1, Sub1, RG1, and VM1 only	
Tenant Root Group, MG1, Sub1, RG1, and VM1	

Tags:

	▼
RG1 and VM1 only	
Sub1 and RG1 only	
Sub1, RG1, and VM1 only	
MG1, Sub1, RG1, and VM1 only	
Tenant Root Group, MG1, Sub1, RG1, and VM1	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Sub1, RG1, and VM1 only

You can lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources.

Box 2: Sub1, RG1, and VM1 only

You apply tags to your Azure resources, resource groups, and subscriptions.

**NEW QUESTION 101**

HOTSPOT - (Topic 5)

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

You install and configure a web server and a DNS server on VM1.

VM1 has the effective network security rules shown in the following exhibit.

Network Interface: vm1441Effective security rulesTopology

Virtual network/subnet: VNET1/defaultNIC Public IP: 52.160.123.200NIC Private IP: 10.0.6.4Accelerated networking: Disabled

Inbound port rulesOutbound port rulesApplication security groupsLoad balancing

Network security group VM1-nsg (attached to network interface: vm1441)  
Impacts 0 subnets, 1 network interfaces

Add inbound port rule

Priority	Name	Port	Protocol	Source	Destination	Action	
100	Rule2	50-60	Any	Any	Any	Deny	***
300	RDP	3389	TCP	Any	Any	Allow	***
400	Rule1	50-500	Any	Any	Any	Allow	***
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow	***
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow	***
65500	DenyAllInBound	Any	Any	Any	Any	Deny	***

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

Internet users [answer choice].

can connect to only the web server on VM1

can connect to only the DNS server on VM1

can connect to only the web server on VM1

can connect to the web server and the DNS server on VM1

cannot connect to the web server and the DNS server on VM1

If you delete Rule2, Internet users [answer choice].

can connect to the web server and the DNS server on VM1

can connect to only the DNS server on VM1

can connect to only the web server on VM1

can connect to the web server and the DNS server on VM1

cannot connect to the web server and the DNS server on VM1

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A number between 100 and 4096. 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. https://docs.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview

NEW QUESTION 104

- (Topic 5)

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

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

You have an Azure subscription that contains 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:

No, this does not meet the goal. Creating a resource lock and assigning it to the subscription is not enough to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks. This is because a resource lock does not affect the configuration or functionality of a resource, but only prevents it from being deleted or modified1. A resource lock does not apply any security rules to an NSG or a virtual network.

To meet the goal, you need to create a custom policy definition that enforces a default security rule for NSGs. A policy definition is a set of rules and actions that Azure performs when evaluating your resources2. You can use a policy definition to specify the required properties and values for NSGs, such as the direction, protocol, source, destination, and port of the security rule. You can then assign the policy definition to the subscription scope, so that it applies to all the resource groups and virtual networks in the subscription.

NEW QUESTION 108

HOTSPOT - (Topic 5)

You have an Azure subscription.

You plan to use an Azure Resource Manager template to deploy a virtual network named VNET1 that will use Azure Bastion.

How should you complete the template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

```
{
  "type": "Microsoft.Network/virtualNetworks",
  "name": "VNET1"
  "apiVersion": "2019-02-01",
  "location": "[resourceGroup().location]",
  "properties": {
    "addressSpace": {
      "addressPrefixes": ["10.10.10.0/24"]
    },
    "subnets": [
      {
        "name": 
        "properties": {
          "addressPrefix": 
        }
      },
      {
        "name": "LAN02",
        "properties": {
          "addressPrefix": "10.10.10.128/25"
        }
      }
    ]
  }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



## Answer Area

```
{
  "type": "Microsoft.Network/virtualNetworks",
  "name": "VNET1"
  "apiVersion": "2019-02-01",
  "location": "[resourceGroup().location]",
  "properties": {
    "addressSpace": {
      "addressPrefixes": ["10.10.10.0/24"]
    },
    "subnets": [
      {
        "name": 
          AzureBastionSubnet
          AzureFirewallSubnet
          LAN01
          RemoteAccessSubnet

        "properties": {
          "addressPrefix": 
            10.10.10.0/27
            10.10.10.0/29
            10.10.10.0/30

        }
      },
      {
        "name": "LAN02",
        "properties": {
          "addressPrefix": "10.10.10.128/25"
        }
      }
    ]
  }
}
```

### NEW QUESTION 111

- (Topic 5)

Your on-premises network contains a VPN gateway.

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

Name	Type	Description
vgw1	Virtual network gateway	Gateway for Site-to-Site VPN to the on-premises network
storage1	Storage account	Standard performance tier
Vnet1	Virtual network	Enabled forced tunneling
VM1	Virtual machine	Connected to Vnet1

You need to ensure that all the traffic from VM1 to storage1 travels across the Microsoft backbone network. What should you configure?

- A. private endpoints
- B. Azure Firewall
- C. Azure AD Application Proxy
- D. Azure Peering Service

**Answer:** B

#### Explanation:

Per the MS documentation, private endpoint seems to be the proper choice: "You can use private endpoints for your Azure Storage accounts to allow clients on a virtual network (VNet) to securely access data over a Private Link. The private endpoint uses a separate IP address from the VNet address space for each storage account service. Network traffic between the clients on the VNet and the storage account traverses over the VNet and a private link on the Microsoft backbone network, eliminating exposure from the public internet." Link: <https://learn.microsoft.com/en-us/azure/storage/common/storage-private-endpoints>

### NEW QUESTION 115

HOTSPOT - (Topic 5)

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



Name	Peered with	DNS server
VNET1	VNET2	Default (Azure-provided)
VNET2	VNET1	10.10.0.4

You have the virtual machines shown in the following table.

Name	IP address	Network interface	Connects to
Server1	10.10.0.4	NIC1	VNET1/Subnet1
Server2	172.16.0.4	NIC2	VNET1/Subnet2
Server3	192.168.0.4	NIC3	VNET2/Subnet2

You have the virtual network interfaces shown in the following table.

Name	DNS server
NIC1	Inherit from virtual network
NIC2	10.10.0.4
NIC3	Inherit from virtual network

Server1 is a DNS server that contains the resources shown in the following table.

Name	Type	Value
contoso.com	Primary DNS zone	<b>Not applicable</b>
Host1.contoso.com	A record	131.107.10.15

You have an Azure private DNS zone named contoso.com that has a virtual network link to VNET2 and the records shown in the following table.

Name	Type	Value
Host1	A record	131.107.200.20
Host2	A record	131.107.50.50

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
Server2 resolves host2.contoso.com to 131.107.50.50.	<input type="radio"/>	<input type="radio"/>
Server2 resolves host1.contoso.com to 131.107.10.15.	<input type="radio"/>	<input type="radio"/>
Server3 resolves host2.contoso.com to 131.107.50.50.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 116

- (Topic 5)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You need to ensure that an Azure Active Directory (Azure AD) user named Admin1 is assigned the required role to enable Traffic Analytics for an Azure subscription.

Solution: You assign the Owner role at the subscription level to Admin1. Does this meet the goal?

- A. Yes  
 B. No

**Answer:** B

**Explanation:**

The Owner role is a very high-level role that grants full access to manage all resources in the scope, including the ability to assign roles to other users. This role does not follow the principle of least privilege, which means that you should only grant the minimum level of access required to accomplish the goal.

To enable Traffic Analytics for an Azure subscription, you need to have a role that grants you the following permissions at the subscription level:

- ? Microsoft.Network/applicationGateways/read
- ? Microsoft.Network/connections/read
- ? Microsoft.Network/loadBalancers/read

? Microsoft.Network/localNetworkGateways/read  
? Microsoft.Network/networkInterfaces/read  
? Microsoft.Network/networkSecurityGroups/read  
? Microsoft.Network/publicIPAddresses/read  
? Microsoft.Network/routeTables/read  
? Microsoft.Network/virtualNetworkGateways/read  
? Microsoft.Network/virtualNetworks/read  
? Microsoft.OperationallInsights/workspaces/\*

Some of the built-in roles that have these permissions are Owner, Contributor, or Network Contributor1. However, these roles also grant other permissions that may not be necessary or desirable for enabling Traffic Analytics. Therefore, the best practice is to use the principle of least privilege and create a custom role that only has the required permissions for enabling Traffic Analytics2.

Therefore, to meet the goal of ensuring that an Azure AD user named Admin1 is assigned the required role to enable Traffic Analytics for an Azure subscription, you should create a custom role with the required permissions and assign it to Admin1 at the subscription level.

## NEW QUESTION 117

- (Topic 5)

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

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

You have an app named App1 that is installed on two Azure virtual machines named VM1 and VM2. Connections to App1 are managed by using an Azure Load Balancer.

The effective network security configurations for VM2 are shown in the following exhibit.

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

You discover that connections to App1 from 131.107.100.50 over TCP port 443 fail. You verify that the Load Balancer rules are configured correctly.

You need to ensure that connections to App1 can be established successfully from 131.107.100.50 over TCP port 443.

Solution: You create an inbound security rule that denies all traffic from the 131.107.100.50 source and has a cost of 64999.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

## NEW QUESTION 118

HOTSPOT - (Topic 5)

You have an Azure Storage account named storage1 that contains a blob container. The blob container has a default access tier of Hot. Storage1 contains a container named container1.

You create lifecycle management rules in storage1 as shown in the following table.

Name	Rule scope	Blob type	Blob subtype	Rule block	Prefix match
Rule1	Limit blobs by using filters.	Block blobs	Base blobs	If base blobs were not modified for two days, move to archive storage. If base blobs were not modified for nine days, delete the blob.	container1/Dep1
Rule2	Apply to all blobs in storage1.	Block blobs	Base blobs	If base blobs were not modified for three days, move to cool storage. If base blobs were not modified for nine days, move to archive storage.	Not applicable

You perform the actions shown in the following table.

Date	Action
October 1	Upload three files named Dep1File1.docx, File2.docx, and File3.docx to container1.
October 2	Edit Dep1File1.docx and File3.docx.
October 5	Edit File2.docx.

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
On October 10, you can read Dep1File1.docx without a delay.	<input type="radio"/>	<input type="radio"/>
On October 10, you can read File2.docx without a delay.	<input type="radio"/>	<input type="radio"/>
On October 10, you can read File3.docx without a delay.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

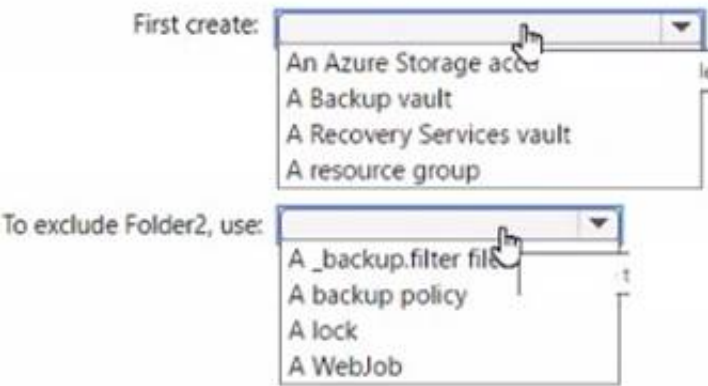
File3.docx is a blob in container1 that was uploaded on October 1 and edited on October 2. According to the lifecycle management rule 2, any blob in container1 that has not been modified for 5 days will be deleted. Therefore, on October 7, File3.docx will be deleted from the storage account. Therefore, on October 10, you cannot read File3.docx because it no longer exists.

NEW QUESTION 121

HOTSPOT - (Topic 5)

You have an Azure App Service app named WebApp1 that contains two folders named Folder1 and Folder2. You need to configure a daily backup of WebApp1. The solution must ensure that Folder2 is excluded from the backup. What should you create first and what should you use to exclude Fokier2? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://learn.microsoft.com/en-us/azure/app-service/manage-backup?tabs=portal#create-a-custom-backup>  
In Storage account, select an existing storage account (in the same subscription) or select Create new. Do the same with Container. <https://learn.microsoft.com/en-us/azure/app-service/manage-backup?tabs=portal#configure-partial-backups>  
Partial backups are supported for custom backups (not for automatic backups). Sometimes you don't want to back up everything on your app. To exclude folders and files from being stored in your future backups, create a \_backup.filter file in the %HOME%\site\wwwroot folder of your app. Specify the list of files and folders you want to exclude in this file.

NEW QUESTION 125

- (Topic 5)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Active Directory (Azure AD) tenant named contoso.com. You have a CSV file that contains the names and email addresses of 500 external users. You need to create a guest user account in contoso.com for each of the 500 external users. Solution: From Azure AD in the Azure portal, you use the Bulk create user operation. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

<https://learn.microsoft.com/en-us/azure/active-directory/external-identities/tutorial-bulk-invite?source=recommendations>

NEW QUESTION 126

- (Topic 5)

You have an Azure subscription. The subscription contains a storage account named storage1 that has the lifecycle management rules shown in the following table.



Name	If base blobs were last modified more than (days)	Then
Rule1	5 days	Move to cool storage
Rule2	5 days	Delete the blob
Rule3	5 days	Move to archive storage

On June 1, you store a blob named File1 in the Hot access tier of storage1. What is the state of File1 on June 7?

- A. stored in the Archive access tier
- B. stored in the Hot access tier
- C. stored in the Cool access tier
- D. deleted

**Answer:** D

**Explanation:**

If you define more than one action on the same blob, lifecycle management applies the least expensive action to the blob. For example, action delete is cheaper than action tierToArchive. Action tierToArchive is cheaper than action tierToCool. <https://learn.microsoft.com/en-us/azure/storage/blobs/lifecycle-management-overview>

**NEW QUESTION 128**

HOTSPOT - (Topic 5)

You plan to deploy the following Azure Resource Manager (ARM) template.

```
{
  "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {},
  "variables": {
    "vnetId": "[resourceId('Microsoft.Network/virtualNetworks/', 'VNET1')]",
    "lbId": "[resourceId('Microsoft.Network/loadBalancers/', 'LB1')]",
    "sku": "Standard",
    "netname": "APP1"
  },
  "resources": [
    {
      "apiVersion": "2017-08-01",
      "type": "Microsoft.Network/loadBalancers",
      "name": "LB1",
      "location": "EastUS",
      "sku": {
        "name": "[variables('sku')]"
      },
      "properties": {
        "frontendIPConfigurations": [
          {
            "name": "[variables('netname')]",
            "properties": {
              "ipConfigurationName": "[variables('netname')]",
              "subnet": {
                "id": "[resourceId('Microsoft.Network/subnets/', 'Subnet1')]"
              }
            }
          }
        ],
        "backendAddressPools": [
          {
            "name": "[variables('netname')]",
            "properties": {
              "ipConfigurationName": "[variables('netname')]"
            }
          }
        ],
        "loadBalancingRules": [
          {
            "name": "[variables('netname')]",
            "properties": {
              "frontendIPConfiguration": {
                "id": "[concat(variables('lbId'), '/frontendIPConfigurations/', variables('netname'))]"
              },
              "backendAddressPool": {
                "id": "[concat(variables('lbId'), '/backendAddressPools/', variables('netname'), '-Servers')]"
              },
              "probe": {
                "id": "[concat(variables('lbId'), '/probes/probe')]"
              }
            }
          }
        ],
        "backendPort": 8080,
        "protocol": "Tcp",
        "frontendPort": 80,
        "enableFloatingIP": false,
        "idleTimeoutInMinutes": 4,
        "loadDistribution": "SourceIPProtocol"
      }
    },
    {
      "name": "[variables('netname')]",
      "type": "Microsoft.Network/loadBalancerProbes",
      "location": "EastUS",
      "properties": {
        "protocol": "Tcp",
        "port": 8080,
        "intervalInSeconds": 15,
        "numberOfProbes": 2
      }
    }
  ],
  "probes": [
    {
      "name": "probe",
      "properties": {
        "protocol": "Tcp",
        "port": 8080,
        "intervalInSeconds": 15,
        "numberOfProbes": 2
      }
    }
  ]
}
```

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

Statements	Yes	No
LB1 will be connected to a subnet named VNET1/netname.	<input type="radio"/>	<input type="radio"/>
LB1 can be deployed only to the resource group that contains VNET1.	<input type="radio"/>	<input type="radio"/>
The value of the sku variable can be provided as a parameter when the template is deployed	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
LB1 will be connected to a subnet named VNET1/netname.	<input checked="" type="radio"/>	<input type="radio"/>
LB1 can be deployed only to the resource group that contains VNET1.	<input type="radio"/>	<input checked="" type="radio"/>
The value of the sku variable can be provided as a parameter when the template is deployed	<input type="radio"/>	<input checked="" type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

? LB1 will be connected to a subnet named LB1 in VNET1. Yes, this is correct. The template specifies that the load balancer resource named LB1 has a property called frontendIPConfigurations, which defines the subnet where the load balancer is located. The value of this property is a reference to the resource ID of the subnet named LB1 in VNET1. You can see this reference in line 38 of the template1.

? LB1 can be deployed only to the resource group that contains VNET1. No, this is not correct. The template does not specify a resource group for the load balancer resource, which means it can be deployed to any resource group in the same subscription as VNET1. However, if you want to deploy the load balancer to a specific resource group, you can add a property called resourceGroup to the reference of the subnet in line 382.

? The value of the sku variable can be provided as a parameter when the template is deployed. No, this is not correct. The template defines the sku variable as a constant value of "Standard" in line 9. This means that the value cannot be changed or overridden by a parameter when the template is deployed. If you want to make the sku value configurable, you need to change the variable definition to a parameter definition, and use the parameter reference instead of the variable reference in line 363.

**NEW QUESTION 130**

- (Topic 5)

You have an Azure AD tenant named adatum.com that contains the groups shown in the following table.

Name	Member of
Group1	None
Group2	Group1
Group3	Group2

Adatum.com contains the users shown in the following table.

Name	Member of
User1	Group1
User2	Group2
User3	Group3
User4	None

You assign the Azure AD Premium P2 license to Group 1 and User4. Which users are assigned the Azure AD Premium P2 license?

- A. User4 only
- B. User1 and User4 only
- C. User1. User2. and User4 only
- D. User1, User2, User3, and User4

Answer: B

**Explanation:**

? According to the Microsoft documentation, when you assign a license to a group, all members of that group are automatically assigned the license. However, if a user is already assigned the same license directly or through another group, the license is not duplicated.

? In your scenario, you assigned the Azure AD Premium P2 license to Group1 and User4. This means that all members of Group1, which are User1 and User2, will also get the license. User4 will get the license directly.

? User3 will not get the license because they are not a member of Group1 or assigned the license directly.

? Therefore, the users who are assigned the Azure AD Premium P2 license are User1, User2, and User4 only.

**NEW QUESTION 134**

HOTSPOT - (Topic 5)

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



contoso20 | Networking

Storage account

Firewalls and virtual networks

Private endpoint connections

Save

Discard

Refresh

Allow access from

All networks

Selected networks

Configure network security for your storage accounts.

Learn more

Virtual networks

Add existing virtual network

Add new virtual network

Virtual Network	Subnet	Address range	Endpoint Status	Resource Group	Subscription
VNET1	1			RG1	Visual Studio Premium with MSDN
	Prod	10.2.0.0/24	Enabled	RG1	Visual Studio Premium with MSDN

Firewall

Add IP ranges to allow access from the internet or your on-premises networks.

Add your client IP address ('51.145.137.40')

Address range

IP address or CIDR

Resource instances

Specify resource instances that will have access to your storage account based on their system-assigned managed identity.

Resource type

Instance name

Select a resource type

Select one or more instances

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

Network Routing

Determine how you would like to route your traffic as it travels from its source to an Azure endpoint.

Routing preference \*

Microsoft network routing

Internet routing

Publish route-specific endpoints

Microsoft network routing

Internet routing

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

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

never

always

during a backup

never

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

never

always

during a backup

never

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

#### NEW QUESTION 137

HOTSPOT - (Topic 5)

You plan to deploy an Azure container instance by using the following Azure Resource Manager template.

```
{
  "type": "Microsoft.ContainerInstance/containerGroups",
  "apiVersion": "2018-10-01",
  "name": "webprod",
  "location": "westus",
  "properties": {
    "containers": [
      {
        "name": "webprod",
        "properties": {
          "image": "microsoft/iis:nanoserver",
          "ports": [
            {
              "protocol": "TCP",
              "port": 80
            }
          ],
          "environmentVariables": [],
          "resources": {
            "requests": {
              "memoryInGB": 1.5,
              "cpu": 1
            }
          }
        }
      }
    ],
    "restartPolicy": "OnFailure",
    "ipAddress": {
      "ports": [
        {
          "ip": "[parameters('IPAddress')]",
          "type": "Public"
        }
      ],
      "osType": "Windows"
    }
  }
}
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the template.

Internet users [answer choice].

can connect to the container from any device
cannot connect to the container
can only connect to the container from devices that run Windows

If Internet Information Services (IIS) in the container fail, [answer choice].

the container will restart automatically
the container will only restart manually
the container must be redeployed

Answer:

Internet users [answer choice].

can connect to the container from any device
cannot connect to the container
can only connect to the container from devices that run Windows

If Internet Information Services (IIS) in the container fail, [answer choice].

the container will restart automatically
the container will only restart manually
the container must be redeployed

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Box 1: can connect to the container from any device

In the policy "osType": "window" refer that it will create a container in a container group that runs Windows but it won't block access depending on device type.

Box 2: the container will restart automatically

Docker provides restart policies to control whether your containers start automatically when they exit, or when Docker restarts. Restart policies ensure that linked containers are started

in the correct order. Docker recommends that you use restart policies, and avoid using process managers to start containers.

on-failure : Restart the container if it exits due to an error, which manifests as a non-zero exit code.  
As the flag is mentioned as "on-failure" in the policy, so it will restart automatically

#### NEW QUESTION 142

- (Topic 5)

You have an Azure Storage account named storage1.

For storage 1. you create an encryption scope named Scope1. Which storage types can you encrypt by using Scope1?

- A. file shares only
- B. containers only
- C. file shares and containers only
- D. containers and tables only
- E. file shares, containers, and tables only
- F. file shares, containers, tables, and queues

**Answer:** B

#### Explanation:

"Encryption scopes enable you to manage encryption at the level of an individual blob or container." <https://learn.microsoft.com/en-us/azure/storage/blobs/encryption-scope-manage?tabs=portal>

#### NEW QUESTION 146

HOTSPOT - (Topic 5)

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

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

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

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

NOTE: Each correct selection is worth one point.

Task1:	<div><div></div><div>IP flow verify</div><div>Next hop</div><div>Packet capture</div><div>Security group view</div><div>Traffic Analytics</div></div>
Task2:	<div><div></div><div>Connection troubleshoot</div><div>IP flow verify</div><div>Next hop</div><div>NSG flow logs</div><div>Traffic Analytics</div></div>

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: IP flow verify

At some point, a VM may become unable to communicate with other resources, because of a security rule. The IP flow verify capability enables you to specify a source and destination IPv4 address, port, protocol (TCP or UDP), and traffic direction (inbound or outbound). IP flow verify then tests the communication and informs you if the connection succeeds or fails. If the connection fails, IP flow verify tells you which.

Box 2: Connection troubleshoot

Diagnose outbound connections from a VM: The connection troubleshoot capability enables you to test a connection between a VM and another VM, an FQDN, a URI, or an IPv4 address. The test returns similar information returned when using the connection monitor capability, but tests the connection at a point in time, rather than monitoring it over time, as connection monitor does. Learn more about how to troubleshoot connections using connection-troubleshoot.

#### NEW QUESTION 151

- (Topic 5)

You have an Azure subscription that contains a virtual machine named VM1 and an Azure function named App1. You need to create an alert rule that will run App1 if VM1 stops. What should you create for the alert rule?

- A. a security group that has dynamic device membership
- B. an action group
- C. an application security group
- D. an application group

**Answer:** B

**Explanation:**

<https://learn.microsoft.com/en-us/azure/azure-monitor/alerts/alerts-create-new-alert-rule> You create an alert rule by combining:

- The resources to be monitored.
- The signal or telemetry from the resource.
- Conditions.

Then you define these elements for the resulting alert actions by using:

- Alert processing rules
- Action groups

**NEW QUESTION 155**

- (Topic 5)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some

question sets might have more than one correct solution, while others might not have a correct solution.

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

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

You deploy a load balancer that has the following configurations:

- Name: LB1
- Type: Internal
- SKU: Standard
- Virtual network: VNET1

You need to ensure that you can add VM1 and VM2 to the backend pool of LB1. Solution: You create two Standard public IP addresses and associate a Standard SKU

public IP address to the network interface of each virtual machine. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**NEW QUESTION 156**

- (Topic 5)

You have an Azure subscription that has Traffic Analytics configured.

You deploy a new virtual machine named VM1 that has the following settings:

- Region- East US
- Virtual network: VNet1
- NIC network security group: NSG1

You need to monitor VM1 traffic by using Traffic Analytics. Which settings should you configure?

- A. Diagnostic settings for VM1
- B. Insights for VM1
- C. NSG flow logs for NSG1
- D. Diagnostic settings for NSG1

**Answer:** C

**Explanation:**

Traffic Analytics analyzes the network security group (NSG) flow logs to provide insights into traffic flow in your Azure cloud<sup>1</sup>. NSG flow logs are a feature of Network Watcher that allows you to view information about ingress and egress IP traffic through an NSG<sup>2</sup>. To use Traffic Analytics, you need to enable NSG flow logs for the network security groups you want to monitor<sup>1</sup>.

Diagnostic settings for VM1 or NSG1 are not required for Traffic Analytics. Diagnostic settings are used to stream log data from an Azure resource to different destinations such as Log Analytics workspace, Event Hubs, or Storage account<sup>3</sup>. Insights for VM1 are also not required for Traffic Analytics. Insights are a feature of Azure Monitor that provide analysis of the performance and health of an Azure resource<sup>4</sup>.

**NEW QUESTION 160**

- (Topic 5)

You have an Azure subscription.

You plan to migrate 50 virtual machines from VMware vSphere to the subscription. You create a Recovery Services vault.

What should you do next?

- A. Configure an extended network.
- B. Create a recovery plan.
- C. Deploy an Open Virtualization Application (OVA) template to vSphere.
- D. Configure a virtual network.

**Answer:** C

**Explanation:**

To migrate virtual machines from VMware vSphere to Azure, you need to use Azure Migrate, which is a service that helps you assess and migrate your on-premises workloads to Azure. Azure Migrate uses an appliance that you deploy as an Open Virtualization Application (OVA) template to vSphere. The appliance discovers the virtual machines and sends metadata and performance data to Azure Migrate. You can then use Azure Migrate to assess the readiness, cost, and sizing of the virtual machines for migration. You can also use Azure Migrate to replicate and migrate the virtual machines to Azure. References:

? About Azure Migrate

Migrate Server Migration

? Prepare VMware servers for assessment and migration to Azure with Azure



# NEW QUESTION 164

HOTSPOT - (Topic 5)

You have an Azure subscription named Subscription1. In Subscription1, you create an alert rule named Alert1.

The Alert1 action group is configured as shown in the following exhibit.

```
PS Azure:\> Get-AzureRmActionGroup

ResourceGroupName: default-activitylogalerts
GroupShortName    : AG1
Enabled           : True
EmailReceivers    : {Action1_EmailAction-}
SmsReceivers      : {Action1_SMSAction-}
WebhookReceivers  : {}
Id                : /subscriptions/a4fde29b-d56a-4f6c-8298-6c53cd0b720c/
resourceGroups/default-activitylogalerts/providers/microsoft.insights/actionGroups/ActionGroup1
Name              : ActionGroup1
Type              : Microsoft.Insights/ActionGroups
Location          : Global
Tags              : {}
```

Alert1 alert criteria is triggered every minute.

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 number of email messages that Alert1 will send in an hour is [answer choice].

- 0
- 4
- 6
- 12
- 60

The number of SMS messages that Alert1 will send in an hour is [answer choice].

- 0
- 4
- 6
- 12
- 60

- A. Mastered
- B. Not Mastered

Answer: A

## Explanation:

Box 1: 60

One alert per minute will trigger one email per minute.

Box 2: 12

No more than 1 SMS every 5 minutes can be send, which equals 12 per hour.

Note: Rate limiting is a suspension of notifications that occurs when too many are sent to a particular phone number, email address or device. Rate limiting ensures that alerts are

manageable and actionable.

The rate limit thresholds are:

- \_ SMS: No more than 1 SMS every 5 minutes. Voice: No more than 1 Voice call every 5 minutes. Email: No more than 100 emails in an hour.
- \_ Other actions are not rate limited.

References:

<https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/monitoring-and-diagnostics/monitoring-overview-alerts.md>

# NEW QUESTION 168

- (Topic 5)

You download an Azure Resource Manager template based on an existing virtual machine. The template will be used to deploy 100 virtual machines.

You need to modify the template to reference an administrative password. You must prevent the password from being stored in plain text.

What should you create to store the password?

- A. Azure Active Directory (AD) Identity Protection and an Azure policy
- B. a Recovery Services vault and a backup policy
- C. an Azure Key Vault and an access policy
- D. an Azure Storage account and an access policy

Answer: C

**Explanation:**

Reference: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/key-vault-parameter?tabs=azure-cli>

**NEW QUESTION 170**

- (Topic 5)

You have an Azure web app named App1. App1 has the deployment slots shown in the following table:

Name	Function
webapp1-prod	Production
webapp1-test	Staging

In webapp1-test, you test several changes to App1. You back up App1.

You swap webapp1-test for webapp1-prod and discover that App1 is experiencing performance issues.

You need to revert to the previous version of App1 as quickly as possible. What should you do?

A. Redeploy App1

B. Swap the slots

Clone App1

C. Restore the backup of App1

**Answer: B**

**Explanation:**

When you swap deployment slots, Azure swaps the Virtual IP addresses of the source and destination slots, thereby swapping the URLs of the slots. We can easily revert the deployment by swapping back. Deployment slots are live apps with their own host names. App content and configurations elements can be swapped between two deployment slots, including the production slot. Deploying your application to a non-production slot has the following benefits: 1. You can validate app changes in a staging deployment slot before swapping it with the production slot. 2. Deploying an app to a slot first and swapping it into production makes sure that all instances of the slot are warmed up before being swapped into production. Reference: <https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots>

**NEW QUESTION 172**

- (Topic 5)

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

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

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

You need to ensure that an Azure Active Directory (Azure AD) user named Admin1 is assigned the required role to enable Traffic Analytics for an Azure subscription.

Solution: You assign the Network Contributor role at the subscription level to Admin1. Does this meet the goal?

A. Yes

B. NO

**Answer: A**

**Explanation:**

Your account must meet one of the following to enable traffic analytics:

Your account must have any one of the following Azure roles at the subscription scope: owner, contributor, reader, or network contributor.

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics-faq>

**NEW QUESTION 175**

HOTSPOT - (Topic 5)

You need to generate a shared access signature (SAS). The solution must meet the following requirements:

- Ensure that the SAS can only be used to enumerate and download blobs stored in container1.

- Use the principle of least privilege,

Which three settings should you enable? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.

Allowed services ⓘ

☒ Blob ☐ File ☐ Queue ☐ Table

Allowed resource types ⓘ

☐ Service ☐ Container ☐ Object

Allowed permissions ⓘ

☐ Read ☐ Write ☐ Delete ☐ List ☐ Add ☐ Create ☐ Update ☐ Process ☐ Immutable storage ☐ Permanent delete

A. Mastered

B. Not Mastered

**Answer: A**

**Explanation:**

To generate a shared access signature (SAS) that meets the requirements, you should enable the following three settings:

? Service: Blob

? Allowed resource types: Container

? Allowed permissions: Read and List

These settings will ensure that the SAS can only be used to enumerate and download blobs stored in container1, and not to perform any other operations on the storage account or the blobs. This follows the principle of least privilege, which means granting the minimum permissions necessary for a task.

You can use the Azure portal or Azure Storage Explorer to create a SAS token with these settings. For more information, see [Create shared access signature \(SAS\) tokens for storage containers and blobs - Azure AI services | Microsoft Learn](#).

#### NEW QUESTION 177

- (Topic 5)

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

Name	Azure region	Assigned Azure 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 for WebApp1 moves to North Europ
- B. Policy2 applies to WebApp1.
- C. The App Service plan for WebApp1 remains in West Europ
- D. Policy2 applies to WebApp1.
- E. The App Service plan for WebApp1 moves to North Europ
- F. Policy1 applies to WebApp1.
- G. The App Service plan for WebApp1 remains in West Europ
- H. Policy1 applies to WebApp1.

**Answer:** B

#### NEW QUESTION 178

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