Question #22   *Topic 4*

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

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 resources shown in the following table.

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

VM1 connects to VNET1.

You need to connect VM1 to VNET2.

Solution: You turn off VM1, and then you add a new network interface to VM1.

Does this meet the goal?

    A. Yes

    B. No `Most Voted`

Correct Answer: *B*

Instead you should delete VM1. You recreate VM1, and then you add the network interface for VM1.

Note: When you create an Azure virtual machine (VM), you must create a virtual network (VNet) or use an existing VNet. You can change the subnet a VM is connected to after it's created, but you cannot change the VNet.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/network-overview

Community vote distribution

B (100%)

HOTSPOT -

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

Quota	Location	Usage
Standard BS Family vCPUs	West US	0 of 20
Standard D Family vCPUs	West US	0 of 20
Total Regional vCPUs	West US	0 of 20

You deploy virtual machines to Subscription1 as shown in the following table.

Name	Size	vCPUs	Location	Status
VM1	Standard_B2ms	2	West US	Running
VM2	Standard_B16ms	16	West US	Stopped (Deallocated)

You plan to deploy the virtual machines shown in the following table.

Name	Size	vCPUs
VM3	Standard_B2ms	1
VM4	Standard_D4s_v3	4
VM5	Standard_B16ms	16

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can deploy VM3 to West US.	○	○
You can deploy VM4 to West US.	○	○
You can deploy VM5 to West US.	○	○

Answer Area

Correct Answer:

Statements	Yes	No
You can deploy VM3 to West US.	◉	○
You can deploy VM4 to West US.	○	◉
You can deploy VM5 to West US.	○	◉

The total regional vCPUs is 20 so that means a maximum total of 20 vCPUs across all the different VM sizes. The deallocated VM with 16 vCPUs counts towards the total. VM20 and VM1 are using 18 of the maximum 20 vCPUs leaving only two vCPUs available.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quotas

HOTSPOT -

You have an Azure subscription that contains an Azure Availability Set named WEBPROD-AS-USE2 as shown in the following exhibit.

```
PS Azure:\> az vm availability-set list –g 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": [ ]
  }
]
Azure:/
```

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.

Hot Area:

Answer Area

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].
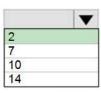
2
7
10
14

Answer Area

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

2
7
10
14

Correct Answer:

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

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.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability

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Question #25   Topic 4

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

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

You need to provide internet users with access to the applications that run in Cluster1.

Which IP address should you include in the DNS record for Cluster1?

A. 131.107.2.1 [Most Voted]

B. 10.0.10.11

C. 172.17.7.1

D. 192.168.10.2

Correct Answer: *A*

Community vote distribution

A (100%)

You have a deployment template named Template1 that is used to deploy 10 Azure web apps.

You need to identify what to deploy before you deploy Template1. The solution must minimize Azure costs.

What should you identify?

A. five Azure Application Gateways

B. one App Service plan [Most Voted]

C. 10 App Service plans

D. one Azure Traffic Manager

E. one Azure Application Gateway

Correct Answer: *B*

You create Azure web apps in an App Service plan.

Reference:

https://docs.microsoft.com/en-us/azure/app-service/overview-hosting-plans

Community vote distribution

B (100%)

HOTSPOT -

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": [
                {
                    "protocol": "TCP",
                    "port": 80
                }
            ],
            "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.

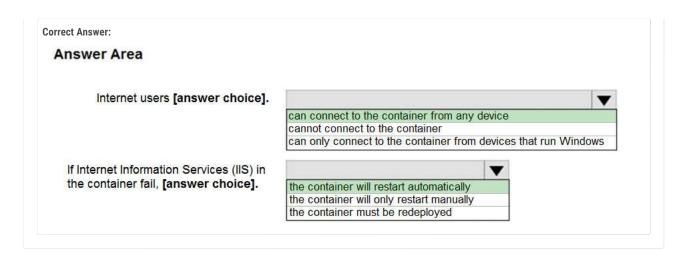NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

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

Correct Answer:

Answer Area

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

Question #28   *Topic 4*

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

You plan to make the following changes to VM1:

☞ Change the size to D8s v3.

☞ Add a 500-GB managed disk.

☞ Add the Puppet Agent extension.

☞ Enable Desired State Configuration Management.

Which change will cause downtime for VM1?

    A. Enable Desired State Configuration Management

    B. Add a 500-GB managed disk

    C. Change the size to D8s v3 [Most Voted]

    D. Add the Puppet Agent extension

Correct Answer: *C*

While resizing the VM it must be in a stopped state.

Reference:

https://azure.microsoft.com/en-us/blog/resize-virtual-machines/

Community vote distribution

C (100%)

You have an app named App1 that runs on an Azure web app named webapp1.

The developers at your company upload an update of App1 to a Git repository named Git1.

Webapp1 has the deployment slots shown in the following table.

Name	Function
webapp1-prod	Production
webapp1-test	Staging

You need to ensure that the App1 update is tested before the update is made available to users.

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

NOTE: Each correct selection is worth one point.

A. Swap the slots Most Voted

B. Deploy the App1 update to webapp1-prod, and then test the update

C. Stop webapp1-prod

D. Deploy the App1 update to webapp1-test, and then test the update Most Voted

E. Stop webapp1-test

Correct Answer: *AD*

Community vote distribution

AD (100%)

You have an Azure subscription named Subscription1 that has the following providers registered:

↠ Authorization

↠ Automation

↠ Resources

↠ Compute

↠ KeyVault

↠ Network

↠ Storage

↠ Billing

↠ Web

Subscription1 contains an Azure virtual machine named VM1 that has the following configurations:

↠ Private IP address: 10.0.0.4 (dynamic)

↠ Network security group (NSG): NSG1

↠ Public IP address: None

↠ Availability set: AVSet

↠ Subnet: 10.0.0.0/24

↠ Managed disks: No

↠ Location: East US

You need to record all the successful and failed connection attempts to VM1.

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

NOTE: Each correct selection is worth one point.

A. Enable Azure Network Watcher in the East US Azure region.

B. Add an Azure Network Watcher connection monitor.

C. Register the MicrosoftLogAnalytics provider.

D. Create an Azure Storage account. `Most Voted`

E. Register the Microsoft.Insights resource provider. `Most Voted`

F. Enable Azure Network Watcher flow logs. `Most Voted`

Correct Answer: *AEF*

You can log network traffic that flows through an NSG with Network Watcher's NSG flow log capability.

↠ In the Azure portal, enable Network Watcher

↠ Register Insights provider. NSG flow logging requires the Microsoft.Insights provider.

↠ Enable NSG flow log. NSG flow log data is written to an Azure Storage account, Subscription1 has storage.

Reference:

https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-nsg-flow-logging-portal

Community vote distribution

DEF (58%)   AEF (38%)   4%

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

    A. Deploy five virtual machines. Modify the Availability Zones settings for each virtual machine.

    B. Deploy five virtual machines. Modify the Size setting for each virtual machine.

    C. Deploy one virtual machine scale set that is set to VM (virtual machines) orchestration mode.

    D. Deploy one virtual machine scale set that is set to ScaleSetVM orchestration mode. `Most Voted`

Correct Answer: *D*
Reference:

https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/orchestration-modes

Community vote distribution

                 D (95%)   5%