


AZ-104 Microsoft Azure Administrator Practice Exams

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QUIZ 14 OF 16 November 14, 2026 ☐ ☐

Section-Based – Deploy and Manage Azure Compute Resources (AZ-104)

YOUR TIME:
00:34:39

You have reached 10 of 21 point(s), (47.62%)

Sorry, you failed the test. Carefully read our detailed explanations including the references and cheat sheets then try again. 😊

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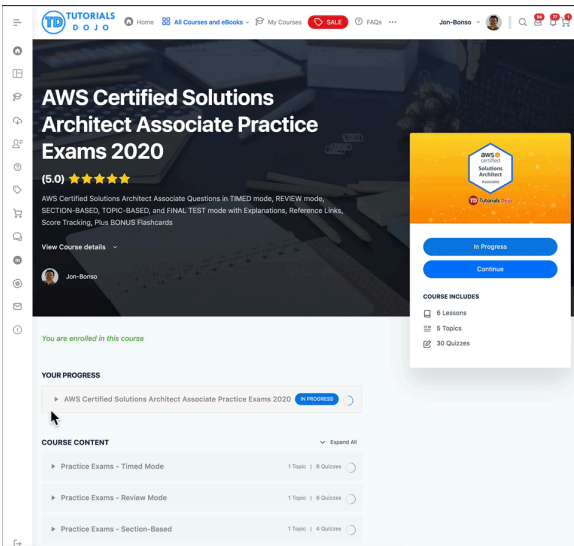


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ADDITIONAL RESOURCES FOR THE AZ-1...



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Restart Quiz

View All Questions

1 ✓ 2 ✓ 3 ✓ 4 ✓ 5 ✓
6 ✓ 7 ✓ 8 ✓ 9 ✓ 10 ✓

✓ Answered  For Review

1. QUESTION

A company deployed a Grafana image in Azure Container Apps with the following configurations:

- Resource Group: tdrg-grafana
- Region: Canada Central

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ADDITIONAL RESOURCES FOR THE AZ-1...

- Zone Redundancy: Disabled
- Virtual Network: Default
- IP Restrictions: Allow

The container's public IP address was provided to development teams in the East US region to allow users access to the dashboard. However, you received a report that users can't access the application.

Which of the following options allows users to access Grafana with the least amount of configuration?



Disable IP Restrictions.



Configure ingress to generate a new endpoint.



Move the container app to the East US Region.



Add a custom domain and configure a certificate from a trusted certificate authority

Incorrect

Azure Container Apps allows you to deploy containerized apps without managing complex infrastructure. You have the

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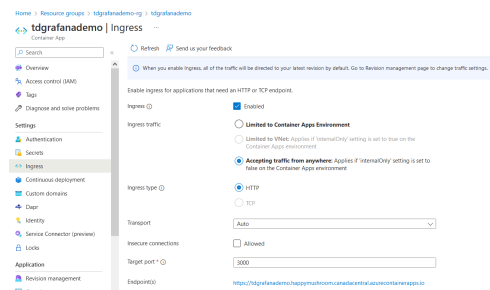
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ADDITIONAL RESOURCES FOR THE AZ-1...

freedom to write code in your preferred language or framework, and create microservices that are fully supported by the Distributed Application Runtime (Dapr). The scaling of your application can be automatically adjusted based on either HTTP traffic or events, utilizing Kubernetes Event-Driven Autoscaling (KEDA).



With Azure Container Apps ingress, you can make your container application accessible to the public internet, VNET, or other container apps within your environment. This eliminates the need to create an Azure Load Balancer, public IP address, or any other Azure resources to handle incoming HTTPS requests. Each container app can have unique ingress configurations. For instance, one container app can be publicly accessible while another can only be reached within the Container Apps environment.

The problem with the given scenario is that users are accessing the public IP address even though the ingress setting is

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not enabled during the creation of the container app. When you configure the ingress and target port and then save it, the app will generate a new endpoint depending on the ingress traffic that you've selected. Now when you try to access the application URL, you will be redirected to the target port of the container image.

Hence, the correct answer is:

Configure ingress to generate a new endpoint.

The option that says: **Move the container app to the East US Region** is incorrect because you can't move a container app to a different Region.


The option that says: **Disable IP Restrictions** is incorrect because this won't still help users access the Grafana app. Instead of denying traffic from source IPs, you only need to enable ingress and target ports.

The option that says: **Add a custom domain and configure a certificate from a trusted certificate authority** is incorrect because even though you added a custom domain name, you still won't be able to access the application since additional configurations must be done to allow VNET-scope ingress.

Therefore, the quickest way and

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least amount of configurations would be to enable ingress and get the application URL.

References:

<https://learn.microsoft.com/en-us/azure/container-apps/ingress?tabs=bash>

<https://azure.microsoft.com/en-us/products/container-apps/>

Check out these Azure Compute Services Cheat Sheets:

<https://tutorialsdojo.com/azure-cheat-sheets-compute-services/>

2. QUESTION

Note: This item is part of a series of case study questions with the exact same scenario but has a different technical requirement. Each one in the series has a unique solution that may or may not comply with the requirements specified in the scenario.

Overview	Contoso Limited is an online learning portal for technology-related topics that empowers its users to upgrade their skills and career. Contoso Limited has users from all over the
Existing	
Environment	
Planned	
Changes	
Technical	Requirements
Requirements	

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Question

What should you implement?



Create Azure virtual machine scale sets.



Deploy the virtual machine in multiple Availability Zones.



Deploy the virtual machine in an Availability Set.



Create an Azure ARM template to deploy a virtual machine.

Incorrect

Azure virtual machine scale sets let you create and manage a group of load-balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications and allow you to centrally manage, configure, and update a large number of VMs.

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With virtual machine scale sets, you can build large-scale services for areas such as compute, big data, and container workloads.

INSTANCES

 You have specified an instance count greater than 100. This requires disk type to be Managed and scaling beyond 100 instances to be enabled.

* Instance count

* Instance size (View full pricing details)

Deploy as low priority

Use managed disks

[Hide advanced settings](#)

Enable scaling beyond 100 instances

In this scenario, you can create a VM scale set to automatically increase the number of VMs when there is high demand. Take note that scale sets are built from virtual machines. With scale sets, the management and automation layers are provided to run and scale your applications.

Hence, the correct answer is:

Create Azure virtual machine scale sets.

The option that says: **Deploy the virtual machine in an Availability Set** is incorrect because an Availability Set only allows you to deploy the virtual machine in a single data center. Therefore, this option does not meet the technical requirements of being scalable and highly available.

The option that says: **Deploy the virtual machine in multiple Availability Zones** is incorrect.

Just like the option above, the virtual machine won't scale as the

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ADDITIONAL RESOURCES FOR THE AZ-1...

traffic increases by default. You have to create Azure virtual machine scale sets instead.

The option that says: **Create an Azure ARM template to deploy a virtual machine** is incorrect because this template only deploys one virtual machine to Azure. If the template would create virtual machine scale sets then this option would satisfy the requirements in the scenario.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview>

<https://azure.microsoft.com/en-us/services/virtual-machine-scale-sets/>

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>


Azure Scale Set vs Availability Set:

<https://tutorialsdojo.com/azure-scale-set-vs-availability-set/>

3. QUESTION

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You plan to automate the deployment of Windows Servers using a virtual machine scale set.

You need to make sure that the web components are installed in the virtual machines.

Which actions should you perform?
(Select TWO.)

- ☒ Create a configuration script.
- ☐ Create an automation account.
- ☐ Create a new scale set.
- ☒ Configure the `extensionProfile` section of the ARM template.
- ☐ Create a policy.

Correct

Azure virtual machine scale sets let you create and manage a group of load-balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets

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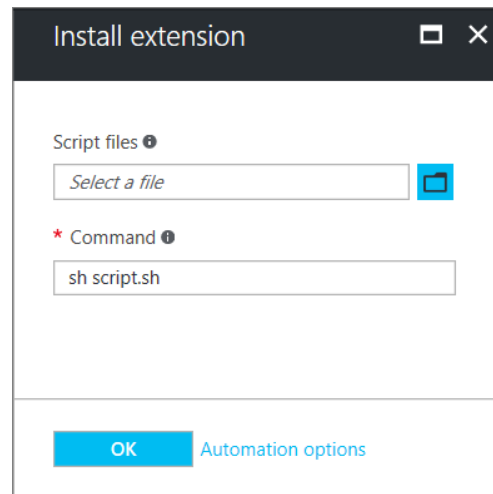
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ADDITIONAL RESOURCES FOR THE AZ-1...

provide high availability to your applications and allow you to centrally manage, configure, and update a large number of VMs.



The Custom Script Extension downloads and executes scripts on Azure virtual machines. This extension is useful for post-deployment configuration, software installation, or any other configuration or management tasks.

Hence, the correct answers are:

- Create a configuration script.

- Configure the `extensionProfile` section of the ARM template.

The option that says: **Create an automation account** is incorrect because an automation account wouldn't help you automatically install web components. You still need to create a configuration

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script and

`extensionProfile` in the ARM template.

The option that says: **Create a policy** is incorrect because this option only evaluates resources in Azure. Take note that you don't need to create a policy to install web components.

The option that says: **Create a new scale set** is incorrect because this wouldn't install the required web components. Instead of creating a new scale set, you should use a custom script extension to install the web components in the VMs.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-deploy-app>

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/tutorial-install-apps-template#what-is-the-azure-custom-script-extension>

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-deploy-app#already-provisioned>

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ADDITIONAL RESOURCES FOR THE AZ-1...

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdodojo.com/azure-virtual-machines/>

4. QUESTION

You plan to migrate your business-critical application to Azure virtual machines.

You need to make sure that at least two VMs are available during planned Azure maintenance.

What should you do?

Create an Availability Set with

`platformUpdateDomainCount`



(Update domains) set to 3 and

`platformFaultDomainCount`

(Fault domains) set to 1.

Create an Availability Set with

`platformUpdateDomainCount`



(Update domains) set to 1 and

`platformFaultDomainCount`

(Fault domains) set to 3.

Create an Availability Set with

`platformUpdateDomainCount`



(Update domains) set to 3 and

`platformFaultDomainCount`

(Fault domains) set to 2.

Create an Availability Set with

`platformUpdateDomainCount`

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(Update domains) set to 2 and
`platformFaultDomainCount`
(Fault domains) set to 3.

Incorrect

Azure periodically updates its platform to improve the reliability, performance, and security of the host infrastructure for virtual machines. The purpose of these updates ranges from patching software components in the hosting environment to upgrading networking components or decommissioning hardware.

Updates rarely affect the hosted VMs. When updates do have an effect, Azure chooses the least impactful method for updates:

- If the update doesn't require a reboot, the VM is paused while the host is updated, or the VM is live-migrated to an already updated host.

- If maintenance requires a reboot, you're notified of the planned maintenance. Azure also provides a time window in which you can start the maintenance yourself, at a time that works for you. The self-maintenance window is

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typically 35 days unless the maintenance is urgent. Azure is investing in technologies to reduce the number of cases in which planned platform maintenance requires the VMs to be rebooted.

Name *

TutorialsDojo-Demo

Fault domains ⓘ

2

Update domains ⓘ

3

Use managed disks ⓘ

☐ No (Classic) ☒ Yes (Aligned)

The main objective of the question is to test your understanding of update and fault domains. Since it's a requirement in the scenario that at least two virtual machines must be available during planned maintenance, you should add three update domains in the Availability Set. Take note that each virtual machine in your availability set is assigned to an update domain and a fault domain.

During scheduled maintenance, only one update domain is updated at any given time. Update domains aren't necessarily updated sequentially. A rebooted update domain is given 30 minutes to recover before maintenance is initiated on a different update domain. For fault domains, you can set a minimum number of fault domains in your Availability Set

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ADDITIONAL RESOURCES FOR THE AZ-1...

because the main requirement in the scenario is to prepare for planned maintenance.

You can configure these values directly using an ARM template, Bicep, and Terraform by setting the

`platformUpdateDomainCount`

and

`platformFaultDomainCount`

properties in the Availability Set resource definition. This allows you to explicitly control how your VMs are distributed across update and fault domains to meet availability requirements during planned maintenance.

Hence, the correct answer is:

Create an Availability Set with

`platformUpdateDomainCount`

(Update domains) set to 3 and

`platformFaultDomainCount`

(Fault domains) set to 2.

The option that says: **Create an Availability Set with**

`platformUpdateDomainCount`

(Update domains) set to 3 and

`platformFaultDomainCount`

(Fault domains) set to 1 is

incorrect because if you set 3 update domains and 1 fault domain in an Availability Set, you will typically receive an error message: *"The update domain count must be 1 when fault domain count is 1."*

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To resolve this error, you must have 2 fault domains instead of 1 fault domain.

The option that says: **Create an Availability Set with**

`platformUpdateDomainCount`

(Update domains) set to 2 and

`platformFaultDomainCount`

(Fault domains) set to 3 is

incorrect because you need to have three update domains instead of two update domains.

The option that says: **Create an Availability Set with**

`platformUpdateDomainCount`

(Update domains) set to 1 and

`platformFaultDomainCount`

(Fault domains) set to 3 is

incorrect because three fault domains are not needed in this scenario. Fault domains are primarily used for unplanned maintenance. Three update domains must be provisioned to adequately satisfy the requirements.


References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/maintenance-and-updates>

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

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<https://learn.microsoft.com/en-us/azure/templates/microsoft.compute/availabilityset?pivots=deployment-language-arm-template>

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

5. QUESTION

You are managing an Azure subscription hosting a virtual machine named `td-cebu-vm1`, which supports critical workloads.


The IT team has reported network performance issues affecting this VM. You must enable packet capture and conduct detailed network diagnostics to troubleshoot and resolve the problem.

To complement your investigation, you also plan to use Azure Traffic Analytics to gain insights into traffic patterns and detect anomalies.

Which action should you perform first to enable packet capture and begin diagnostics?

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- ☐ Install the Azure Network
Watcher Agent VM
extension on `td-cebu-
vm1` .
- ☐ Install Azure Monitor agent
extension on `td-cebu-
vm1` .
- ☐ Enable Microsoft Defender
for Servers.
- ☐ Install the Azure
Performance Diagnostics
Agent on `td-cebu-vm1` .

Correct

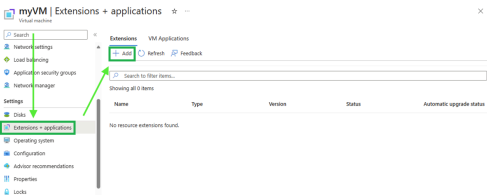
The **Azure Network Watcher Agent VM extension** is a component that can be installed on Azure virtual machines to enable advanced network monitoring and diagnostic capabilities. This extension works with Azure Network Watcher to provide features such as packet capture, IP flow verification, and detailed network performance analysis. It acts as a bridge between the virtual machine and the Network Watcher service, allowing for deep insights into network traffic and behavior.

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Installing the Network Watcher Agent VM extension on `td-cebu-vm1` would provide the necessary tools to address the reported network performance issues. This extension enables packet capture functionality, which is crucial for diagnosing complex network problems. By capturing and analyzing network packets, IT teams can identify bottlenecks, latency issues, or unexpected traffic patterns affecting the VM's performance. Additionally, the extension facilitates other network diagnostic features that can help pinpoint the root cause of the performance problems.

Therefore, the correct answer is:
Install the Azure Network Watcher Agent VM extension on `td-cebu-vm1`.

The option that says: **Install the Azure Performance Diagnostics Agent on `td-cebu-vm1`** is incorrect because Azure Performance Diagnostics Agent is primarily designed to collect performance-related logs and metrics for troubleshooting boot issues or application performance problems on Azure VMs. However,

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it does not provide network diagnostics features like packet capture or advanced network performance troubleshooting.

The option that says: **Enable Microsoft Defender for Servers** is incorrect because Microsoft Defender for Servers is primarily a security solution that provides threat detection and advanced defenses. It doesn't offer the specific network diagnostics and packet capture capabilities required.

The option that says: **Install Azure Monitor agent extension on `td-cebu-vm1`** is incorrect because the Azure Monitor agent is typically used for collecting monitoring data from the operating system and workloads on Azure and hybrid virtual machines. While it can collect network-related metrics, it doesn't provide the detailed packet capture functionality needed for this scenario.

References:

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

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<https://learn.microsoft.com/en-us/azure/network-watcher/network-watcher-agent-windows?tabs=portal>

<https://learn.microsoft.com/en-us/azure/network-watcher/network-watcher-agent-linux?tabs=portal>

Check out these Azure Cheat Sheets:

<https://tutorialsdojo.com/microsoft-azure-cheat-sheets/>

6. QUESTION

Note: This item is part of a series of questions with the exact same scenario but with a different proposed answer. Each one in the series has a unique solution that may, or may not, comply with the requirements specified in the scenario.

You deployed an Ubuntu server using Azure Virtual Machine.


You received an email notification that your resources will be affected by the planned maintenance.

You need to migrate the virtual machine to a new Azure host.

Solution: Move the virtual machine to another subscription.

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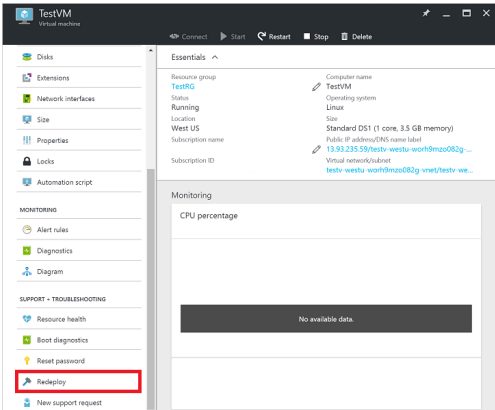
Does the solution meet the goal?

☐ No

☐ Yes

Correct

Azure Virtual Machines (VM) is one of several types of on-demand, scalable computing resources that Azure offers. Typically, you choose a VM when you need more control over the computing environment. An Azure VM gives you the flexibility of virtualization without having to buy and maintain the physical hardware that runs it. However, you still need to maintain the VM by performing tasks, such as configuring, patching, and installing the software that runs on it.



Changing the associated subscription of your Azure Virtual Machines won't cause any internal changes. Take note that when you

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ADDITIONAL RESOURCES FOR THE AZ-1...

redeploy a VM, it moves the VM to a new node within the Azure infrastructure and then powers it back on. This means that the virtual machine will be unavailable when the redeployment is in progress.

Hence, the correct answer is: **No**.

References:

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

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

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

7. QUESTION

You deployed an Ubuntu Server VM named `TDAzureVM1`.

You created a template based on the configuration of the `TDAzureVM1` virtual machine and uploaded it to the Azure Resource Manager (ARM) Library.

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You need to provision a new virtual machine named `TDAzureVM2` using the same template in ARM.

What can be configured in this custom deployment process?

☐ Operating system

☐ Resource group

☐ Availability options

☒ Size of the virtual machine

Incorrect

Azure Resource Manager (ARM) templates are primarily used to implement infrastructure as code for your Azure solutions. The template is a JavaScript Object Notation (JSON) file that defines your project's infrastructure and configuration. The template uses declarative syntax, which lets you state what you intend to deploy without writing the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

ADDITIONAL RESOURCES FOR THE AZ-1...

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ADDITIONAL RESOURCES FOR THE AZ-1...

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Custom deployment

Deploy from a custom template

TEMPLATE

 0 resources

 Edit template

 Edit param...

 Learn more

BASICS

Subscription *

Resource group *

Location *

You can export the template of an existing virtual machine and save it in Azure Resource Manager. The exported template is composed of parameters and template JSON files. In custom deployment (as shown in the figure above), the only options that you can configure are Subscription, Resource Group, and Location.

Hence, the correct answer is:

Resource group.

The following options are incorrect because you can only change the subscription, resource group, and location in the custom deployment process. Remember that the operating system, availability options, and size of VM are already configured in the ARM template.


- Operating system
- Availability options
- Size of the virtual machine

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/create-ssh->

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secured-vm-from-template

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>

Check out this Azure Global Infrastructure Cheat Sheet:

<https://tutorialsdojo.com/azure-global-infrastructure/>


8. QUESTION

You are managing an Azure subscription that contains the following resources:

Name	Type	Resource group	Location
TD-RG1	Resource group	N/A	Australia East
TD-RG2	Resource group	N/A	South Africa
TD-RG3	Resource group	N/A	East Asia
TD-VM1	Virtual machine	TD-RG1	Australia East
TD-VMSS1	Virtual machine scale set	TD-RG3	Australia East

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ADDITIONAL RESOURCES FOR THE AZ-1...

TD-Proximity1	Proximity placement group	TD-RG2	South As
TD-Proximity2	Proximity placement group	TD-RG3	East
TD-Proximity3	Proximity placement group	TD-RG1	Aust Ea

You plan to configure a proximity placement group for the `TD-VMSS1` virtual machine scale set.

Which of the following proximity placement groups should you use?

- ☐ `TD-Proximity1` and `TD-Proximity3`
- ☐ `TD-Proximity2`
- ☐ `TD-Proximity1` , `TD-Proximity2` , and `TD-Proximity3`
- ☐ `TD-Proximity3`

Correct

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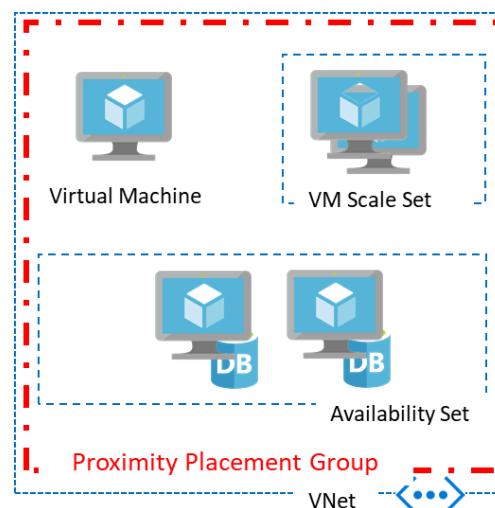
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ADDITIONAL RESOURCES FOR THE AZ-1...

Azure virtual machine scale sets

let you create and manage a group of load-balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications and allow you to centrally manage, configure, and update a large number of VMs. With virtual machine scale sets, you can build large-scale services for areas such as compute, big data, and container workloads.



A proximity placement group is a logical grouping used to make sure that Azure compute resources are physically located close to each other. Proximity placement groups are useful for workloads where low latency is a requirement. When you assign your virtual machines to a proximity placement group, the virtual machines are placed in

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ADDITIONAL RESOURCES FOR THE AZ-1...

the same data center, resulting in lower and deterministic latency for your applications.

It is stated in the scenario that you must configure a placement group for `TD-VMSS1`. Among the given placement groups, you can only assign `TD-Proximity3` since it belongs to the same region as `TD-VMSS1`. Remember that when you are configuring a proximity placement group for a virtual machine scale set. Both the placement group and scale set must be in the same region.

Hence, the correct answer is:

`TD-Proximity3`.

The option that says: `TD-Proximity2` is incorrect because `TD-VMSS1` is located in East Asia and not in Australia East. Although both `TD-VMSS1` and `TD-Proximity2` belong to the same resource group, take note that the location of the resource group is irrelevant in this scenario. You should assign `TD-VMSS1` to the `TD-Proximity3` placement group to satisfy the requirement.

The option that says: `TD-Proximity1` and `TD-Proximity3` is incorrect. You can't configure `TD-Proximity1` for `TD-VMSS1`

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since the location of `TD-Proximity1` is in Southeast Asia while `TD-VMSS1` is in Australia East. The region of the virtual machine scale set and the proximity placement group should be the same.

The option that says: `TD-Proximity1`, `TD-Proximity2`, and `TD-Proximity3` is incorrect because you can only assign `TD-VMSS1` in `TD-Proximity3`. In this scenario, both the virtual machine scale set and proximity placement group must be in the same region.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/proximity-placement-groups-portal>

<https://azure.microsoft.com/en-us/blog/announcing-the-general-availability-of-proximity-placement-groups/>

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

9. QUESTION

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ADDITIONAL RESOURCES FOR THE AZ-1...

Note: This item is part of a series of questions with the exact same scenario but with a different proposed answer. Each one in the series has a unique solution that may, or may not, comply with the requirements specified in the scenario.

You deployed an Ubuntu server using Azure Virtual Machine.

You received an email notification that your resources will be affected by the planned maintenance.

You need to migrate the virtual machine to a new Azure host.

Solution: Move the virtual machine to a new resource group.

Does the solution meet the goal?

☐ No

☒ Yes

Incorrect

Azure Virtual Machines (VM) is

one of several types of on-demand, scalable computing resources that Azure offers.

Typically, you choose a VM when you need more control over the computing environment. An Azure

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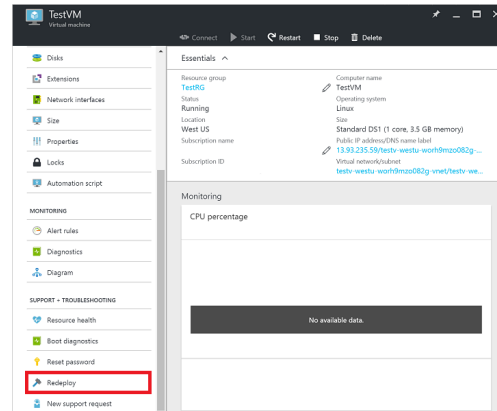
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ADDITIONAL RESOURCES FOR THE AZ-1...

VM gives you the flexibility of virtualization without having to buy and maintain the physical hardware that runs it. However, you still need to maintain the VM by performing tasks, such as configuring, patching, and installing the software that runs on it.



The requirement in this scenario is to migrate the VM to a new Azure host. Moving the VM to a new resource group doesn't mean that it is also moved to a new host. A resource group is just a container that holds related resources. Instead of moving the virtual machine to a new resource group, you must select the redeploy button in the Support + Troubleshooting section.

Take note that when you redeploy a VM, it moves the VM to a new node within the Azure infrastructure and then powers it back on. This means that the virtual machine will be unavailable when the redeployment is in progress.

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ADDITIONAL RESOURCES FOR THE AZ-1...

Hence, the correct answer is: **No**.

References:

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

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

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

10. QUESTION

You are managing a business-critical application hosted in a virtual machine that is associated with your Azure subscription. The virtual machine has a managed disk and a network interface.

You are planning to make the following changes:

- Create and attach a new disk.
- Modify the Virtual Machine size.
- Detach a network interface.

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ADDITIONAL RESOURCES FOR THE AZ-1...

– Move the VM to a new resource group.

– Add a Desired State Configuration (DSC) extension.

Which of the following changes would cause system downtime? (Select TWO.)



Creating and attaching a new disk.



Modifying the Virtual Machine Size.



Assigning the VM to a different resource group.



Detaching a network interface.



Adding a Desired State Configuration (DSC) extension.

Incorrect

Azure Virtual Machines (VM) is

one of several types of on-demand, scalable computing resources that Azure offers.

Typically, you choose a VM when you need more control over the computing environment. An Azure VM gives you the flexibility of

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ADDITIONAL RESOURCES FOR THE AZ-1...

virtualization without having to buy and maintain the physical hardware that runs it. However, you still need to maintain the VM by performing tasks, such as configuring, patching, and installing the software that runs on it.

The virtual machine is currently running, meaning it is not in a state where it can be restarted. Stopping the virtual machine may incur additional costs.

Search by VM name: Display cost: Monthly VMs: VMs: VMs:

Showing 12 VMs: Region: West US

VM Name	Family	Size	VM Size	RAM (GB)	Storage (GB)	Max IOPS	Temp storage (GB)	Provisioned disk	Cost (USD)
VM1-01	General purpose	1	1.5	4	1280	7	Supported	\$0.10	
VM1-02	General purpose	2	3	8	1280	16	Supported	\$0.15	
VM1-03	General purpose	3	4	8	1280	8	Supported	\$0.25	
VM1-04	General purpose	1	1	2	640	4	Supported	\$0.05	
VM1-05	General purpose	2	3	4	1280	16	Supported	\$0.10	
VM1-06	General purpose	1	2	2	640	4	Supported	\$0.10	
VM1-07	General purpose	1	1.5	2	640	4	Supported	\$0.10	
VM1-08	General purpose	2	3	8	1280	16	Supported	\$0.20	
VM1-09	General purpose	4	16	8	2048	32	Supported	\$0.624	
VM1-10	General purpose	4	16	8	2048	32	Supported	\$0.702	
VM1-11	General purpose	4	16	16	12288	38	Supported	\$2.027	
VM1-12	General purpose	8	32	16	12288	64	Supported	\$3.744	

Prices provided are estimates in your local currency. Not include any Azure infrastructure costs and any discounts for the subscription and location. The prices don't include any applicable software costs. Price changes will appear before your next billing cycle and will be reflected in your next billing statement.

Based on the given scenario, the VM is currently running a business-critical application. There are two ways to change the size of a VM: the first option is to stop the VM, change the size in the settings, and start the VM again, which results in system downtime. The second option is to resize the VM while it is running, but this will still cause the VM to be restarted, resulting in downtime. Similarly, detaching a network interface from the running VM also requires the VM to be stopped and deallocated, which will cause system downtime as the NIC cannot be detached while the VM is running. Hence, the correct answers are:

– Modifying the Virtual Machine Size.

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ADDITIONAL RESOURCES FOR THE AZ-1...

– Detaching a network interface.

The option that says: **Creating and attaching a new disk** is incorrect because adding a new disk to your virtual machine won't cause system downtime. Take note that you can attach multiple disks while the virtual machine is running.

The option that says: **Adding a Desired State Configuration (DSC) extension** is incorrect because adding or updating a DSC extension to a virtual machine does not typically require any downtime. The extension applies configuration changes in the background, and the virtual machine continues to operate normally without any disruption.

The option that says: **Assigning the VM to a different resource group** is incorrect because this option also won't cause downtime in your application. A resource group is simply a logical grouping of your VMs.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/resize-vm>

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

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ADDITIONAL RESOURCES FOR THE AZ-1...

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

11. QUESTION

You plan to provision ten virtual machines using the Azure VM scale sets.

The virtual machines must be optimized for large-scale stateless workloads.

Which of the following options allows you to deploy VMs as quickly as possible?



Create a VM scale set and set the orchestration mode to `Uniform`.



Create a VM scale set and set the orchestration mode to `Flexible`.



Create ten virtual machines in the Azure portal.

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ADDITIONAL RESOURCES FOR THE AZ-1...

Create ten virtual machines in Azure CLI using the `az vm create` command.

Incorrect

Azure Virtual Machine Scale

Sets provide a logical grouping of platform-managed virtual machines. With scale sets, you create a virtual machine configuration model, automatically add or remove additional instances based on CPU or memory load, and automatically upgrade to the latest OS version. Traditionally, scale sets allow you to create virtual machines using a VM configuration model provided at the time of scale set creation, and the scale set can only manage virtual machines that are implicitly created based on the configuration model.

Scale set orchestration modes give you more control over how virtual machine instances are managed by the scale set. The two types of orchestration modes are:

1. **Uniform** – uses a virtual machine profile or template to scale up to desired capacity. This orchestration mode is mainly used for large-scale stateless workloads that

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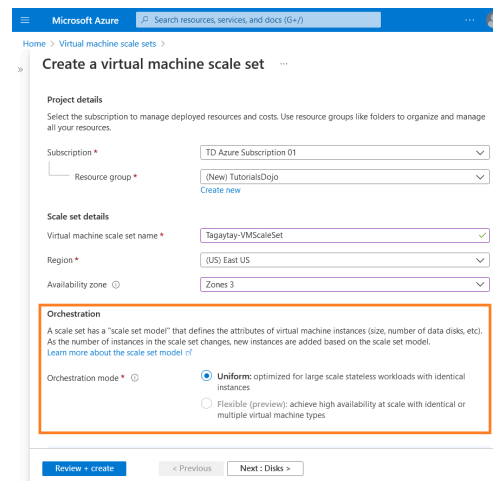


ADDITIONAL RESOURCES FOR THE AZ-1...

require identical VM instances.

It also provides fault domain high availability (less than 100 VMs).

2. **Flexible** – offers high availability with identical or multiple VM types (up to 1000 VMs) by spreading VMs across fault domains in a region or within an Availability Zone.



Orchestration mode also helps you design a highly available infrastructure since the virtual machines are deployed in fault domains and Availability Zones. In **Flexible** orchestration mode, you manually create and add the VM to the scale set. While in **Uniform** orchestration mode, you just need to define a VM model and Azure will automatically create identical instances based on that model. Remember that the orchestration mode is defined when you create the scale set and cannot be changed or updated later.

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ADDITIONAL RESOURCES FOR THE AZ-1...

In this scenario, you must use the Azure virtual machine scale sets to provision ten virtual machines.

Among the options given, you can select between the two

orchestration modes: `Uniform`

and `Flexible`. It is stated in

the scenario that the virtual machines must be optimized for large-scale stateless workloads.

Therefore, you must set the

orchestration mode to

`Uniform` in order to satisfy this requirement.

Hence, the correct answer is:

Create a VM scale set and set the orchestration mode to

`Uniform`.

The option that says: **Create a VM scale set and set the orchestration mode to**

`Flexible` is incorrect because the requirement is to create virtual machines that are optimized for large-scale stateless workloads. Flexible orchestration mode is mainly used for quorum-based or stateful workloads.

The option that says: **Create ten virtual machines in Azure CLI**

using the `az vm create`

command is incorrect because

you need to use `Uniform`

orchestration scale set to

provision ten virtual machines and

not just using the Azure VM via the

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ADDITIONAL RESOURCES FOR THE AZ-1...

CLI. Also, the `az vm create` command will only create 1 virtual machine.

The option that says: **Create ten virtual machines in the Azure portal** is incorrect. Instead of creating one virtual machine at a time, you must use a VM scale set and set the orchestration mode to `Uniform`.

References:

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

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview>

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

12. QUESTION

You plan to use an Azure Resource Manager (ARM) template to deploy 5 web apps in the same region.

You are required to launch the application in the most cost-effective way.

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Which of the following options fulfills this requirement?



Create an Application Gateway



Create one App Service plan.



Create five App Service plans.



Create a CDN endpoint.

Correct

Azure Resource Manager (ARM) templates are primarily used to implement infrastructure as code for your Azure solutions. The template is a JavaScript Object Notation (JSON) file that defines your project's infrastructure and configuration. The template uses declarative syntax, which lets you state what you intend to deploy without writing the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

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Custom deployment

Deploy from a custom template

Learn about template deployment

[Read the docs](#)

[Build your own template in the editor](#)

Common templates

[Create a Linux virtual machine](#)

[Create a Windows virtual machine](#)

[Create a web app](#)

[Create a SQL database](#)

Load a GitHub quickstart template

Select a template (disclaimer)

The main requirement in this scenario is to deploy web apps in the most cost-effective way. To accomplish this requirement, you can create one App Service plan and use the plan to deploy five web apps. If you recall the Azure App Service concepts, you can configure one or more apps to run on the same computing resources (or in the same App Service plan). Therefore, if you deploy the five web apps in the same region, you can use one App Service plan for your resources.

Hence, the correct answer is:

Create one App Service plan.

The option that says: **Create five App Service plan** is incorrect because the requirement in this scenario is to deploy the five web apps to the same region in the most cost-effective way. This approach is applicable if you need to deploy web apps in different regions.

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ADDITIONAL RESOURCES FOR THE AZ-1...

The option that says: **Create an Application Gateway** is incorrect because you can't deploy five web apps using Azure Application Gateway. This service is simply a web traffic load balancer and is not capable of hosting an application.

The option that says: **Create a CDN endpoint** is incorrect because a CDN endpoint only represents a specific configuration of content delivery behavior and access. You must create one App Service plan to fulfill the requirement in the scenario.

References:

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

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>

Check out this Azure App Service Cheat Sheet:


<https://tutorialsdodo.com/azure-app-service/>

13. QUESTION

Your company has multiple App Service plans shown in the table below:

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Name	Operating System	Location
TD-ASP1	Linux	East Asia
TD-ASP2	Windows	East Asia
TD-ASP3	Linux	North Europe

You are instructed to create the following web apps.

Name	Runtime stack	Location
TD-App1	Java 17	East Asia
TD-App2	ASP .NET 4.8	East Asia

You need to determine which appropriate App Service plan can be used on a particular web app.

Select the correct answer from the drop-down list of options. Each correct selection is worth one point.

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TD-App1

TD-ASP1 and TD-ASP3

(TD-

ASP1 and TD-ASP2)

TD-App2

TD-ASP2

Incorrect

1 / 2 Points

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile backends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease on both Windows and Linux-based environments.

Home > App Services >
Create Web App ...

Instance Details
Need a database? Try the new Web + Database experience. c?

Name * .azurewebsites.net

Publish * ☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack *

Operating System * ☐ Linux ☒ Windows

Region *
Not finding your App Service Plan? Try a different region or select your App Service Environment.

In Azure App Service, an app always runs in an App Service plan. An App Service plan defines a set of computing resources for a web app to run. One or more apps can be configured to run on the same App Service plan. When you create an App Service plan in a certain region (for example, East

ADDITIONAL RESOURCES FOR THE AZ-1...

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ADDITIONAL RESOURCES FOR THE AZ-1...

US), a set of computing resources is created for that plan in that region only.

Based on the given scenario, you need to determine which App Service plan is suitable for the Java 17 and ASP .NET 4.8 runtime stacks. When you create an App Service plan, you need to select an operating system. The Java 17 runtime stack can run on both Linux and Windows operating systems. While the ASP .NET 4.8 runtime stack can only run on Windows operating system.

For `TD-ASP3`, the location of the App Service Plan is in North Europe. Take note that an App Service plan can only be associated with a web app located in the same region.



Therefore, the correct answers are:

- `TD-ASP1` and `TD-ASP2`
- `TD-ASP2`

References:

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

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ADDITIONAL RESOURCES FOR THE AZ-1...

<https://docs.microsoft.com/en-us/azure/app-service/app-service-plan-manage>

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

Check out this Azure App Service Cheat Sheet:

<https://tutorialsdojo.com/azure-app-service/>

14. QUESTION

You created a web app named `tdwebapp-prod` using Azure App Service.

Several users are complaining that they received HTTP 500 errors whenever they try to connect to

`tdwebapp-prod`.

You must grant the developers real-time access to the application in order to view the HTTP method, resource URI, client IP, client port, user agent, and response code of the requests.

What should you do?




Create a security playbook.



Enable the Web Server Logging feature.

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<u>Practice Exams – Review Mode</u>	<u>1 Topic</u>	<input type="radio"/>
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BONUS SECTION – FLASHCARDS 1 Topic ☐

ADDITIONAL RESOURCES FOR THE AZ-1...

- ☐ Create resource health alerts.
- ☐ Enable the Application Logging feature.

Incorrect

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease on both Windows and Linux-based environments. App Service not only adds the power of Microsoft Azure to your application, such as security, load balancing, autoscaling, and automated management. You can also take advantage of its DevOps capabilities, such as continuous deployment from Azure DevOps, GitHub, Docker Hub, and other sources, package management, staging environments, custom domain, and TLS/SSL certificates.

Application logging (Fluentd)

OFF

On

Application logging (Blob)

OFF

On

Web server logging

OFF

Storage

File System

Quota (MB)

10

Retention Period (Days)

1

Detailed error messages

OFF

On

Web server logging

OFF

On

Download logs

FTPS deployment username

https://microsoft.azure.com

FTPS

https://microsoft.azure.com

FTPS

https://microsoft.azure.com

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ADDITIONAL RESOURCES FOR THE AZ-1...

Since you are dealing with raw HTTP requests data, you need to enable Web Server Logging in Azure App Service. Each log message includes data such as the HTTP method, resource URI, client IP, client port, user agent, response code, and so on. For web server logging, you can store the logs in a storage or file system and set the number of days the logs should be retained.

Hence, the correct answer is:

Enable the Web Server Logging feature.

The option that says: **Create a security playbook** is incorrect because this is just a collection of procedures that can be run from Microsoft Sentinel in response to an alert. Take note that web server logging is not directly supported in Microsoft Sentinel.

The option that says: **Enable Application Logging feature** is incorrect because HTTP 500 is an internal server error. This means that there is a problem with the web server itself. To help you find the root cause, you can enable the Web Server Logging feature in Azure App Service.

The option that says: **Create resource health alerts** is incorrect because this option only sends resource health notifications. If

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ADDITIONAL RESOURCES FOR THE AZ-1...

you need to find information about HTTP requests in your web app, you need to enable web server logging.

References:

<https://docs.microsoft.com/en-us/azure/app-service/troubleshoot-diagnostic-logs>

<https://azure.microsoft.com/en-in/services/app-service/>

Check out this Azure App Service Cheat Sheet:

<https://tutorialsdodo.com/azure-app-service/>

15. QUESTION

You deployed ten web servers that are running in Windows Server 2019 virtual machines behind an Azure load balancer. The virtual machines host a stateless web application.

You need to ensure that successive requests from the same client IP address and protocol will be handled by the same virtual machine.

What should you configure in the load balancer?

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ADDITIONAL RESOURCES FOR THE AZ-1...

Set the session

☐ persistence to `Client IP` and protocol .

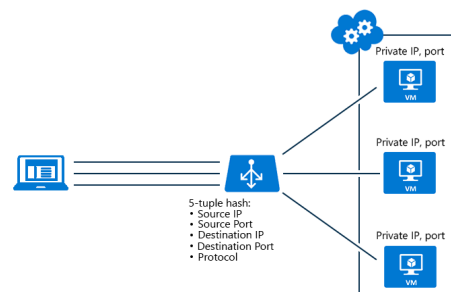
☐ Enable floating IP.

Configure `Client IP` as the session persistence type.

☐ Set idle timeout to the maximum available limit.

Correct

Azure Load Balancer is a Layer-4 (TCP, UDP) load balancer that provides high availability by distributing incoming traffic among healthy VMs. A load balancer health probe monitors a given port on each VM and only distributes traffic to an operational VM. You define a front-end IP configuration that contains one or more public IP addresses. This front-end IP configuration allows your load balancer and applications to be accessible over the Internet.



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ADDITIONAL RESOURCES FOR THE AZ-1...

To redirect the client request to the same virtual machine, you need to add a session persistence in the load balancing rule. Session persistence specifies that traffic from a client should be handled by the same virtual machine in the backend pool for the duration of a session.

There are three options in session persistence:

- None – specifies that successive requests from the same client may be handled by any virtual machine.
- Client IP – specifies that the same virtual machine will handle successive requests from the same client IP address.
- Client IP and protocol – specifies that the same virtual machine will handle successive requests from the same client IP address and protocol combination.

Since the requirement in the scenario is to handle the same client IP address and protocol, you need to set the Session

Persistence to `Client IP and protocol`.

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ADDITIONAL RESOURCES FOR THE AZ-1...

Hence, the correct answer is: **Set the session persistence to**

Client IP and protocol .

The option that says: **Configure**

Client IP as the session

persistence type is incorrect because the requirement in the scenario is the same client IP address and protocol. This type of configuration is only applicable if you want to persist the same client IP address, excluding its protocol.

The option that says: **Set idle**

timeout to the maximum

available limit is incorrect

because the maximum available limit in idle timeout is 30 minutes.

Also, idle timeout is used to keep TCP or HTTP connections open without relying on clients to send keep-alive messages. You don't need to set idle timeout because the only requirement is to redirect the same client IP address and protocol to the same virtual machine.

The option that says: **Enable**


Floating IP is incorrect because

this feature just changes the IP address mapping to the front-end IP of the load balancer. The Floating IP feature is not capable of handling sticky sessions.

References:

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- Practice Exams – Section-Based

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ADDITIONAL RESOURCES FOR THE AZ-1...

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

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

Check out this Azure Load Balancer Cheat Sheet:

<https://tutorialsdojo.com/azure-load-balancer/>


16. QUESTION

You created a new Recovery Services vault in your Azure account as part of your company’s Disaster Recovery Plan. Your account subscription has the following virtual machines, each with its respective auto-shutdown configuration:

Name	Operating System	Auto-shutdown
VirtualMachine1	Ubuntu Server 18.04 LTS	17:00
VirtualMachine2	Windows Server 2019	Off
VirtualMachine3	CentOS-based 8.2	23:00

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ADDITIONAL RESOURCES FOR THE AZ-1...

VirtualMachine4	Windows 10 Pro	Off
-----------------	----------------	-----

The scheduled backup will run every day at 23:59.

Which of the following virtual machines allows you to create a backup using the Azure Backup service?

- ☐ VirtualMachine1, VirtualMachine2, VirtualMachine3, and VirtualMachine4
- ☐ VirtualMachine2 and VirtualMachine4
- ☒ VirtualMachine1, VirtualMachine2, and VirtualMachine4
- ☐ VirtualMachine1 and VirtualMachine3

Incorrect

Azure Virtual Machines (VM) is one of several types of on-demand, scalable computing resources that Azure offers. Typically, you choose a VM when you need more control over the computing environment. An Azure

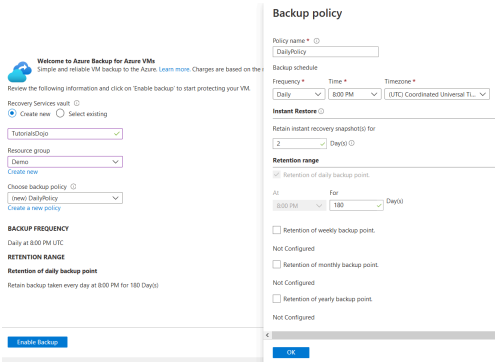
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ADDITIONAL RESOURCES FOR THE AZ-1...

VM gives you the flexibility of virtualization without having to buy and maintain the physical hardware. However, you still need to maintain the VM by performing tasks, such as configuring, patching, and installing the software that runs on it.



With **Azure Backup** service, you can back up on-premises machines, workloads, and Azure VMs. If you would recall, the VM in a stopped/deallocated state only stops the virtual machine. Take note that Azure Backup only takes snapshots of the VM disks. This means that even if the VM status is running or stopped, you can still create a backup as long as the disk is attached to the VM.

When creating a backup, you need to ensure that the virtual machines are in the same region as the Recovery Services vault. Based on the given table in the question, all the virtual machines enable you to create a backup using the Azure Backup service.

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ADDITIONAL RESOURCES FOR THE AZ-1...

Hence, the correct answer is:

VirtualMachine1,

VirtualMachine2,

VirtualMachine3 and

VirtualMachine4.

The option that says:

VirtualMachine1 and

VirtualMachine3 is incorrect

because you can also create a

backup on both VirtualMachine2

and VirtualMachine4.

The option that says:

VirtualMachine2 and

VirtualMachine4 is incorrect. Just

like the option above, you can also

create a backup on

VirtualMachine1 and

VirtualMachine3. Take note that

scheduled backups still run even if

you shut down the virtual machine.

The option that says:

VirtualMachine1,

VirtualMachine2, and

VirtualMachine4 is incorrect.

Even if the VirtualMachine3 is

scheduled to shut down at 23:00

and VirtualMachine4 at 17:00, you

can still create a backup on both

VM.

References:

<https://docs.microsoft.com/en-us/azure/backup/backup-support-matrix-iaas>

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

Check out this Azure Virtual Machines Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

17. QUESTION

You need to use an existing Azure Resource Manager (ARM) template to provision ten Azure virtual machines.

You should retrieve the password using the ARM template. The password must not be stored in plain text.

Which of the following options can help you accomplish this?



Configure Microsoft Entra Password Protection.



Create a key vault and configure an access policy.



Create a storage account and configure data protection.



Configure label protection.

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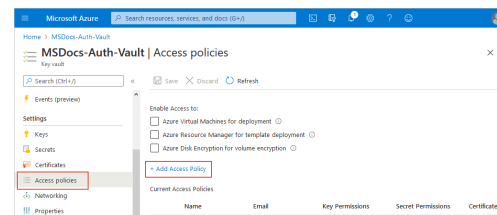
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ADDITIONAL RESOURCES FOR THE AZ-1...

Correct

Azure Key Vault is a cloud service for securely storing and accessing secrets. A secret is anything that you want to tightly control access to, such as API keys, passwords, certificates, or cryptographic keys. Key Vault service supports two types of containers: vaults and managed HSM pools. Vaults support storing software and HSM-backed keys, secrets, and certificates. While Managed HSM pools only support HSM-backed keys.



In this scenario, you can use the ARM template to retrieve the password in Azure Key Vault. Instead of putting a secure value (like a password) directly in your template or parameter file, you can retrieve the value from an Azure Key Vault during deployment. You retrieve the value by referencing the key vault and secret in your parameter file. The value is never exposed because you only reference its key vault ID.

Hence, the correct answer is:

Create a key vault and configure an access policy.

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ADDITIONAL RESOURCES FOR THE AZ-1...

The option that says: **Create a storage account and configure**

data protection is incorrect

because you can't store a secret in a storage account. You must use a key vault to store and use several types of secret/key data. Also, data protection in the storage account is primarily used for the recovery and tracking of blobs.

The option that says: **Configure**

label protection is incorrect. This

option is a feature of Azure Information Protection. Label protection is used for protecting sensitive documents and emails by using the Rights Management service. You can't use label protection to store secret values in Azure Key Vault.

The option that says: **Configure Microsoft Entra Password**

Protection is incorrect because this option only detects and blocks known weak passwords in your organization. Take note that the requirement in the scenario is to store the password as a secret that is not in plaintext. Therefore, you must use the Azure Key Vault.

References:

<https://docs.microsoft.com/en-us/azure/key-vault/general/assign-access-policy-portal>

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<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/key-vault-parameter>

<https://docs.microsoft.com/en-us/azure/key-vault/secrets/quick-create-template>

Check out this Azure Key Vault Cheat Sheet:

<https://tutorialsdojo.com/azure-key-vault/>

18. QUESTION

You plan to use an Azure Resource Manager (ARM) template to create a virtual machine scale set that will launch five Ubuntu servers.

You need to make sure that NGINX is installed in all the virtual machines.

What should you use?

☐ Azure Service Bus

☒ Azure Policy

☐ Azure Blueprints

☐ Azure Custom Script Extension

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ADDITIONAL RESOURCES FOR THE AZ-1...

Incorrect

Azure Virtual Machine Scale Sets

let you create and manage a group of load-balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications and allow you to centrally manage, configure, and update a large number of VMs. With virtual machine scale sets, you can build large-scale services for areas such as compute, big data, and container workloads.

[All services](#) > [Marketplace](#) >

Custom Script Extension for Linux - Azure Arc 

Microsoft Corp.



Custom Script Extension for Linux - Azure Arc

Microsoft Corp.

Create

You can use Custom Script Extension to download and execute scripts on Azure VMs. This extension is useful for post-deployment configuration, software installation, or any other configuration/management task. Scripts can be downloaded from Azure storage or GitHub, or provided to the Azure portal at extension run-time. The Custom Script extension integrates with Azure Resource Manager templates, and can also be used with the Azure CLI, Azure PowerShell, Azure portal, or the REST API.

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ADDITIONAL RESOURCES FOR THE AZ-1...

Hence, the correct answer is:

Azure Custom Script Extension.

Azure Blueprints is incorrect because you can't use Blueprints to execute scripts and install NGINX in virtual machines. The Azure Blueprints service simply enables you to define a repeatable set of Azure resources that implements and adheres to an organization's standards, patterns, and requirements. This service doesn't execute custom scripts.

Azure Policy is incorrect because this service is mainly used to create, assign, and manage policies across your organization.

Azure Service Bus is incorrect because this is just a fully managed enterprise message broker with message queues and public-subscribe topics. This service is not capable of installing NGINX in virtual machines.


References:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/tutorial-install-apps-template>

<https://docs.microsoft.com/en-us/azure/virtual-machines/extensions/custom-script-windows>

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Practice Exams – Review Mode	1 Topic	<input type="radio"/>
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ADDITIONAL RESOURCES FOR THE AZ-1...

Check out this Azure Virtual Machine Cheat Sheet:

<https://tutorialsdojo.com/azure-virtual-machines/>

19. QUESTION

You are planning to host several web applications in Azure App Service with the following runtime stack.

Name	Runtime stack
Application1	ASP.NET V4.8
Application2	Node 16 LTS
Application3	PHP 8.2
Application4	Python 3.10
Application5	Java 11

How many App Service plan should you create at the minimum to properly deploy all applications?

- ☐ Five
- ☐ Zero
- ☐ Two
- ☐ One

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ADDITIONAL RESOURCES FOR THE AZ-1...

Correct

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease on both Windows and Linux-based environments. App Service not only adds the power of Microsoft Azure to your application, such as security, load balancing, autoscaling, and automated management. You can also take advantage of its DevOps capabilities, such as continuous deployment from Azure DevOps, GitHub, Docker Hub, other sources, package management, staging environments, custom domain, and TLS/SSL certificates.

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

Create Web App ...

Instance Details

Need a database? [Try the new Web + Database experience.](#)

Name *	<input type="text" value="tutorialsdemo-app"/>
Publish *	<input checked="" type="radio"/> Code <input type="radio"/> Docker Container <input type="radio"/> Static Web App
Runtime stack *	<input type="text" value="Java 11"/>
Java web server stack *	<input type="text" value="Java SE (Embedded Web Server)"/>
Operating System *	<input type="radio"/> Linux <input checked="" type="radio"/> Windows
Region *	<input type="text" value="East US"/>

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#)

Windows Plan (East US) *	<input type="text" value="appservice-plan-windows (F1)"/>
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Before you launch a web app in Azure App Service, you must create an App Service plan. You must also select the Operating System that will be used in the App Service plan. Take note that

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ADDITIONAL RESOURCES FOR THE AZ-1...

some runtime stacks will only work on Windows such as ASP.NET while Ruby will only work with Linux.

If your runtime stack can be deployed to both Linux and Windows like Java, then you can only select one Operating System when creating a Web App.

- ASP.NET V4.8 = Windows
- Node 16 LTS = Windows & Linux
- PHP 8.2 = Linux
- Python 3.10 = Linux
- Java 11 = Windows & Linux

Based on the given runtime stack, you need to create two App Service plan (Linux and Windows).

Hence, the correct answer is: **Two**.

Zero is incorrect because you have to create an Azure App Service plan to properly deploy a Linux-based application.

Therefore, you need to have at least one App Service plan to use it.

One is incorrect because one of the applications is running an ASP.NET V4.8 Windows runtime stack, while the other ones are using Linux runtime. Thus, you have to use at least two App Service plans.

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Five is incorrect because you don't need to create one App Service plan for each application. You only have to create one plan each for Windows and Linux OS.

References:

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

Check out this Azure App Service Cheat Sheet:

<https://tutorialsdodo.com/azure-app-service/>

20. QUESTION


You have a web app named `tutorialsdodo-portal` that is hosted in Azure App Services. The provisioned deployment slots for `tutorialsdodo-portal` are shown in the table below:

Name	Environment
tutorialsdodo-dev	Development
tutorialsdodo-staging	Staging

tutorialsdojo	Production
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Randomized Test	1 Topic	<input type="radio"/>
Practice Exams – Timed Mode	1 Topic	<input type="radio"/>
Practice Exams – Review Mode	1 Topic	<input type="radio"/>
Practice Exams – Section-Based	1 Topic	<input type="radio"/>
BONUS SECTION – FLASHCARDS	1 Topic	<input type="radio"/>

You configured several settings in the `tutorialsdojo-dev` and `tutorialsdojo-staging`.

You performed a swap operation between the production and staging slots. Upon testing the `tutorialsdojo-portal` app, it was discovered that the new features are not working properly.

Which of the following helps you revert the `tutorialsdojo-portal` app to its previous state?

- ☐ Swap the slots of `tutorialsdojo-dev` and `tutorialsdojo`.
- ☐ Swap the slots of `tutorialsdojo-staging` and `tutorialsdojo-dev`.
- ☐ Restore the previous version of `tutorialsdojo` using app backup.
- ☐ Swap the slots of `tutorialsdojo-staging` and `tutorialsdojo`.

AZ-104 Microsoft Azure Administrator Practice Exams

0% Complete

Last activity on November 15, 2025

 Your Progress



Randomized Test

1 Topic



Practice Exams – Timed Mode

1 Topic



Practice Exams – Review Mode

1 Topic



Practice Exams – Section-Based

1 Topic



BONUS SECTION – FLASHCARDS

1 Topic



ADDITIONAL RESOURCES FOR THE AZ-1...

Correct

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease on both Windows and Linux-based environments. App Service not only adds the power of Microsoft Azure to your application, such as security, load balancing, autoscaling, and automated management. You can also take advantage of its DevOps capabilities, such as continuous deployment from Azure DevOps, GitHub, Docker Hub, and other sources, package management, staging environments, custom domain, and TLS/SSL certificates.

Swap



Source	tutorialsdojo-staging
Target	PRODUCTION
	tutorialsdojo

A possible reason why the tutorialsdojo-portal web app is not working properly is that several settings are configured in the tutorialsdojo-dev and tutorialsdojo-staging.

When you perform the swap operation the following settings are swapped:

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Your Progress



Randomized Test

1 Topic



Practice Exams – Timed Mode

1 Topic



Practice Exams – Review Mode

1 Topic



Practice Exams – Section-Based

1 Topic



BONUS SECTION – FLASHCARDS

1 Topic



ADDITIONAL RESOURCES FOR THE AZ-1...

- General settings, such as framework version, 32/64-bit, web sockets
- App settings (can be configured to stick to a slot)
- Connection strings (can be configured to stick to a slot)
- Handler mappings
- Public certificates
- WebJobs content

To revert the *tutorialsdojo-portal* app to its previous state, you can swap the slots of the *tutorialsdojo-staging* and *tutorialsdojo* environments. Since the slots have been swapped again, the app will no longer experience any performance issues.

Hence, the correct answer is:

Swap the slots of tutorialsdojo-staging and tutorialsdojo.

The option that says: **Swap the slots of tutorialsdojo-dev and tutorialsdojo** is incorrect because several settings are also configured in the *tutorialsdojo-dev*. If you perform the swap operation, it will not restore the previous state of the *tutorialsdojo-portal* web app.

The option that says: **Swap the slots of tutorialsdojo-staging and tutorialsdojo-dev** is incorrect because you don't need to swap

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0% Complete

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Your Progress



Randomized Test

1 Topic



Practice Exams – Timed Mode

1 Topic



Practice Exams – Review Mode

1 Topic



Practice Exams – Section-Based

1 Topic



AZ-104 Microsoft Azure Administrator Practice Exams

Section-Based – Manage Azure Identities

Section-Based – Implement and Manage Azure Active Directory

Section-Based – Deploy and Manage Azure Virtual Machines

Section-Based – Implement and Manage Azure Storage

Section-Based – Monitor and Maintain Azure

BONUS SECTION – FLASHCARDS

1 Topic



ADDITIONAL RESOURCES FOR THE AZ-104

the slots of tutorialsdemo-staging and tutorialsdemo-dev. The only requirement in the scenario is to revert the tutorialsdemo-portal web app to its previous state.

The option that says: **Restore the previous state of tutorialsdemo using app backup** is incorrect because you must configure the backup settings of the web app first before you can restore the previous state. Also, the fastest way is to swap the slots of tutorialsdemo-staging and tutorialsdemo-portal.

References:

<https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots>

<https://azure.microsoft.com/en-in/services/app-service/>

Check out this Azure App Service Cheat Sheet:

<https://tutorialsdemo.com/azure-app-service/>