



# Microsoft

## Exam Questions AZ-303

Microsoft Azure Architect Technologies (beta)

- (Exam Topic 1)

Answer Area

Save

Discard

Users may join devices to Azure AD ⓘ

All

Selected

None

Selected

No member selected

Additional local administrators on Azure AD joined devices ⓘ

Selected

None

Selected

No member selected

Users may register their devices with Azure AD ⓘ

All

None

Require Multi-Factor Auth to join devices ⓘ

Yes

No

Maximum number of devices per user ⓘ

50

Users may sync settings and app data across devices ⓘ

All

Selected

None

Selected

No member selected

- Answer: A**

Box 1: Selected

- (Exam Topic 1)

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

**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.

- (Exam Topic 2)

You have an Azure Resource Manager template for a virtual machine named Template1. Template1 has the following parameters section.

```
"parameters": {
  "adminUsername": {
    "type": "string"
  },
  "adminPassword": {
    "type": "securestring"
  },
  "dnsLabelPrefix": {
    "type": "string"
  },
  "windowsOSVersion": {
    "type": "string"
    "defaultValue": "2016-Datacenter",
    "allowedValues": [
      "2016-Datacenter",
      "2019-Datacenter"
    ]
  },
  "location": {
    "type": "String",
    "allowedValues": [
      "eastus",
      "centralus",
      "westus" ]
  }
},
```

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
When you deploy Template1, you are prompted for a resource group.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for the Windows operating system version.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for a location.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

The Resource group is not specified.

Box 2: No

The default value for the operating system is Windows 2016 Datacenter.

Box 3: Yes

Location is no default value. References:

<https://docs.microsoft.com/bs-latn-ba/azure/virtual-machines/windows/ps-template>

**NEW QUESTION 4**

- (Exam Topic 2)

You have 10 Azure virtual machines on a subnet named Subnet1. Subnet1 is on a virtual network named VNet1.

You plan to deploy a public Azure Standard Load Balancer named LB1 to the same Azure region as the 10 virtual machines.

You need to ensure that traffic from all the virtual machines to the internet flows through LB1. The solution must prevent the virtual machines from being accessible on the internet.

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

NOTE: Each correct selection is worth one point.

- A. Add health probes to LB1.
- B. Add the network interfaces of the virtual machines to the backend pool of LB1.
- C. Add an inbound rule to LB1.
- D. Add an outbound rule to LB1.
- E. Associate a network security group (NSG) to Subnet1.
- F. Associate a user-defined route to Subnet1.

**Answer:** ABD

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/load-balancer/tutorial-load-balancer-standard-manage-portal2>

**NEW QUESTION 5**

- (Exam Topic 2)

Note: This question is part of 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.

A user named Admin1 attempts to create an access review from the Azure Active Directory admin center and discovers that the Access reviews settings are unavailable. Admin1 discovers that all the other Identity Governance settings are available.

Admin1 is assigned the User administrator, Compliance administrator, and Security administrator roles. You need to ensure that the Admin1 can create access reviews in contoso.com.

Solution: You purchase an Azure Directory Premium P2 license for contoso.com. Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Instead use Azure AD Privileged Identity Management.

Note: PIM essentially helps you manage the who, what, when, where, and why for resources that you care about. Key features of PIM include:

➤ Conduct access reviews to ensure users still need roles References:

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

**NEW QUESTION 6**

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

ADD File1.txt C:/Folder1/

You then build the container image. Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Copy is the correct command to copy a file to the container image. The ADD command can also be used. However, the root directory is specified as '/' and not as 'C:/'.

Reference:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 7**

- (Exam Topic 2)

You have an Azure subscription that contains a resource group named RG1. You have a group named Group1 that is assigned the Contributor role for RG1.

You need to enhance security for the virtual machines in RG1 to meet the following requirements:

- Prevent Group1 from assigning external IP addresses to the virtual machines.
- Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address.

What should you use to meet each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Prevent Group1 from assigning external IP addresses to the virtual machines:

Azure Policy  
Azure Bastion  
Virtual network service endpoints  
Azure Firewall  
Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

Azure Policy  
Azure Bastion  
Virtual network service endpoints  
Azure Firewall  
Azure Web Application Firewall (WAF)

A. Mastered

B. Not Mastered



Answer: A

Explanation:

Prevent Group1 from assigning external IP addresses to the virtual machines:

Azure Policy  
 Azure Bastion  
 Virtual network service endpoints  
 Azure Firewall  
 Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

Azure Policy  
 Azure Bastion  
 Virtual network service endpoints  
 Azure Firewall  
 Azure Web Application Firewall (WAF)

### NEW QUESTION 8

- (Exam Topic 2)

Your company has a virtualization environment that contains the virtualization hosts shown in the following table.

Name	Hypervisor	Guest
Server1	VMware	VM1, VM2, VM3
Server2	Hyper-V	VMA, VMB, VMC

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

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

All the virtual machines use basic disks. VM1 is protected by using BitLocker Drive Encryption (BitLocker). You plan to migrate the virtual machines to Azure by using Azure Site Recovery.

You need to identify which virtual machines can be migrated.

Which virtual machines should you identify for each server? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

The virtual machines that can be migrated from Server1.

VM1 only  
 VM2 only  
 VM3 only  
 VM1 and VM2 only  
 VM1 and VM3 only  
 VM1, VM2, and VM3

The virtual machines that can be migrated from Server2.

VMA only  
 VMB only  
 VMC only  
 VMA and VMB only  
 VMA and VMC only  
 VMA, VMB, and VMC

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The virtual machines that can be migrated from Server1.

VM1 only
VM2 only
VM3 only
VM1 and VM2 only
VM1 and VM3 only
VM1, VM2, and VM3

The virtual machines that can be migrated from Server2.

VMA only
VMB only
VMC only
VMA and VMB only
VMA and VMC only
VMA, VMB, and VMC

NEW QUESTION 9

- (Exam Topic 2)

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

Name	Kind	Performance tier	Replication	Location
storage1	StorageV2	Premium	Locally-redundant storage (LRS)	East US
storage2	Storage	Standard	Geo-redundant storage (GRS)	UK West
storage3	BlobStorage	Standard	Locally-redundant storage (LRS)	North Europe

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
storage1 can host Azure file shares.	<input type="radio"/>	<input type="radio"/>
There are six copies of the data in storage2.	<input type="radio"/>	<input type="radio"/>
storage3 can be converted to a GRS account.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
storage1 can host Azure file shares.	<input type="radio"/>	<input checked="" type="radio"/>
There are six copies of the data in storage2.	<input checked="" type="radio"/>	<input type="radio"/>
storage3 can be converted to a GRS account.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 10

- (Exam Topic 2)

You have an Azure subscription that contains 10 virtual machines on a virtual network.

You need to create a graph visualization to display the traffic flow between the virtual machines. What should you do from Azure Monitor?

- A. From Activity log, use quick insights.
- B. From Metrics, create a chart.
- C. From Logs, create a new query.
- D. From Workbooks, create a workbook.

**Answer:** C

**Explanation:**

Navigate to Azure Monitor and select Logs to begin querying the data Reference:

<https://azure.microsoft.com/en-us/blog/analysis-of-network-connection-data-with-azure-monitor-for-virtual-mac>

**NEW QUESTION 10**

- (Exam Topic 2)

You plan to automate the deployment of a virtual machine scale set that uses the Windows Server 2016 Datacenter image. You need to ensure that when the scale set virtual machines are provisioned, they have web server components installed. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Create a new virtual machine scale set in the Azure portal.
- B. Create an automation account.
- C. Upload a configuration script.
- D. Modify the extensionProfile section of the Azure Resource Manager template.
- E. Create an Azure policy.

**Answer:** AD

**Explanation:**

References:

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

**NEW QUESTION 15**

- (Exam Topic 2)

You have Azure virtual machines that have Update Management enabled. The virtual machines are configured as shown in the following table.

Name	Operating system	Resource group	Location
VM1	Windows Server 2012 R2	RG1	East US
VM2	Windows Server 2016	RG1	West US
VM3	Windows Server 2019	RG2	West US
VM4	Red Hat Enterprise Linux 7.7	RG2	West US
VM5	Ubuntu Server 18.04 LTS	RG1	East US
VM6	CentOS-based 7.7	RG1	East US

You need to ensure that all critical and security updates are applied to each virtual machine every month. What is the minimum number of update deployments you should create?

- A. 4
- B. 6
- C. 1
- D. 2

**Answer:** A

**NEW QUESTION 18**

- (Exam Topic 2)

You have an Azure Active Directory (Azure AD) tenant linked to an Azure subscription. The tenant contains a group named Admins.

You need to prevent users, except for the members of Admins, from using the Azure portal and Azure PowerShell to access the subscription.

What should you do?

- A. From Azure AD, configure the User settings.
- B. From the Azure subscription, assign an Azure policy.
- C. From Azure AD, create a conditional access policy.
- D. From the Azure subscription, configure Access control (IAM).

**Answer:** D

**NEW QUESTION 21**

- (Exam Topic 2)

You create an Azure virtual machine named VM1 in a resource group named RG1. You discover that VM1 performs slower than expected.

You need to capture a network trace on VM1. What should you do?

- A. From Diagnostic settings for VM1, configure the performance counters to include network counters.
- B. From the VM1 blade, configure Connection troubleshoot.
- C. From the VM1 blade, install performance diagnostics and run advanced performance analysis



D. From Diagnostic settings for VM1, configure the log level of the diagnostic agent.

**Answer:** C

**Explanation:**

The performance diagnostics tool helps you troubleshoot performance issues that can affect a Windows or Linux virtual machine (VM). Supported troubleshooting scenarios include quick checks on known issues and best practices, and complex problems that involve slow VM performance or high usage of CPU, disk space, or memory.

Advanced performance analysis, included in the performance diagnostics tool, includes all checks in the performance analysis, and collects one or more of the traces, as listed in the following sections. Use this scenario to troubleshoot complex issues that require additional traces. Running this scenario for longer periods will increase the overall size of diagnostics output, depending on the size of the VM and the trace options that are selected.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/troubleshooting/performance-diagnostics>

**NEW QUESTION 23**

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

COPY File1.txt C:/Folder1/

You then build the container image. Does this meet the goal?

A. Yes

B. No

**Answer:** B

**Explanation:**

Copy is the correct command to copy a file to the container image but the root directory is specified as '/' and not as 'C:/'.

References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 24**

- (Exam Topic 2)

Your company has an Azure subscription.

You enable multi-factor authentication (MFA) for all users.

The company's help desk reports an increase in calls from users who receive MFA requests while they work from the company's main office.

You need to prevent the users from receiving MFA requests when they sign in from the main office. What should you do?

A. From Azure Active Directory (Azure AD), configure organizational relationships.

B. From the MFA service settings, create a trusted IP range.

C. From Conditional access in Azure Active Directory (Azure AD), create a custom control.

D. From Conditional access in Azure Active Directory (Azure AD), create a named location.

**Answer:** B

**Explanation:**

The first thing you may want to do, before enabling Multi-Factor Authentication for any users, is to consider configuring some of the available settings. One of the most important features is a trusted IPs list. This will allow you to whitelist a range of IPs for your network. This way, when users are in the office, they will not get prompted with MFA, and when they take their devices elsewhere, they will. Here's how to do it:

Log in to your Azure Portal.

Navigate to Azure AD > Conditional Access > Named locations. From the top toolbar select Configure MFA trusted IPs. References:

<https://www.kraftkennedy.com/implementing-azure-multi-factor-authentication/>

**NEW QUESTION 29**

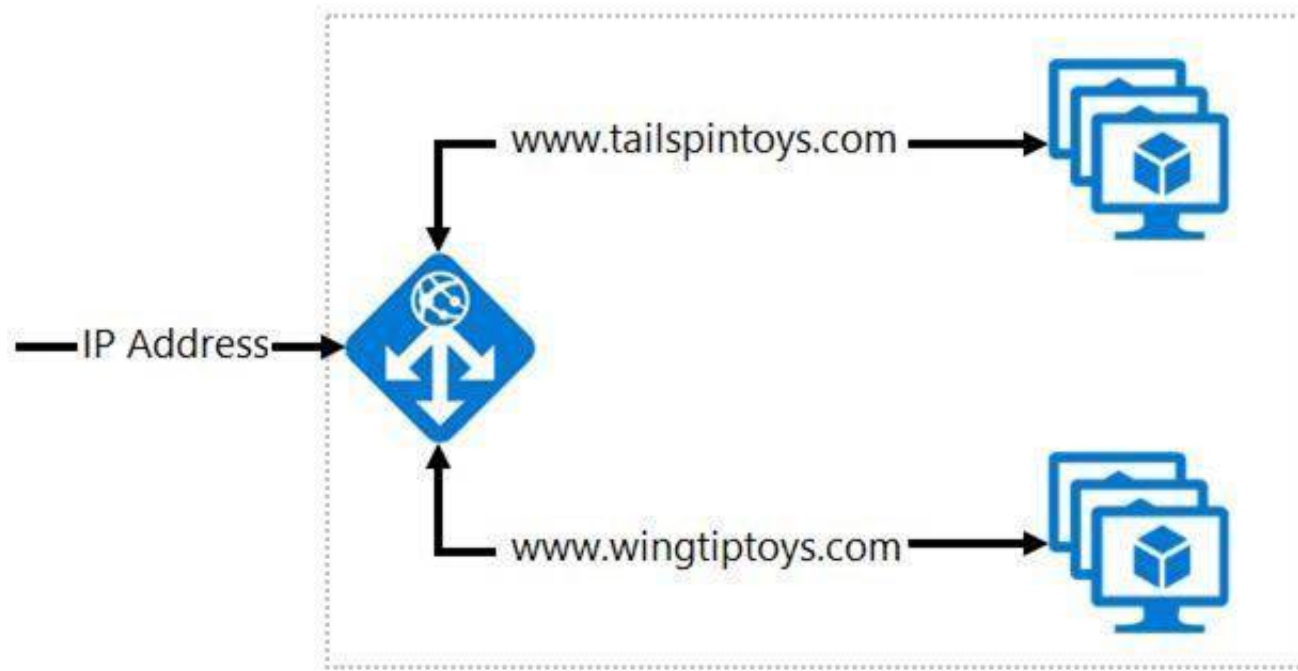
- (Exam Topic 2)

Your company hosts multiple websites by using Azure virtual machine scale sets (VMSS) that run Internet Information Server (IIS).

All network communications must be secured by using end to end Secure Socket Layer (SSL) encryption. User sessions must be routed to the same server by using cookie-based session affinity.

The image shown depicts the network traffic flow for the websites to the VMSS.





Use the drop-down menus to select the answer choice that answers each question.  
 NOTE: Each correct selection is worth one point.

Which Azure solution should you create to route the web application traffic to the VMSS?

	▼
Azure VPN Gateway	
Azure Application Gateway	
Azure ExpressRoute	
Azure Network Watcher	

What should you configure to make sure web traffic arrives at the appropriate server in the VMSS?

	▼
Routing rules and backend listeners	
CNAME and A records	
Routing method and DNS time to live (TTL)	
Path-based redirection and WebSockets	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Azure Application Gateway

You can create an application gateway with URL path-based redirection using Azure PowerShell. Box 2: Path-based redirection and Websockets

Reference:

<https://docs.microsoft.com/bs-latn-ba/azure//application-gateway/tutorial-url-redirect-powershell>

**NEW QUESTION 30**

- (Exam Topic 2)

You have the virtual machines shown in the following table.

Name	Operating system	Connected to
VM1	Red Hat Enterprise Linux 7.7	VNET1
VM2	Windows Server 2019	VNET2
VM3	Windows Server 2019	VNET3

You deploy an Azure bastion named Bastion1 to VNET1.

To which virtual machines can you connect by using Bastion1?

- A. VM1 only
- B. VM1 and VM2 only
- C. VM2 and VM3 only
- D. VM1, VM2, and VM3

**Answer:** C

**NEW QUESTION 32**

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

COPY File1.txt /Folder1/

You then build the container image. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

Copy is the correct command to copy a file to the container image. References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 33**

- (Exam Topic 2)

You have resources in three Azure regions. Each region contains two virtual machines. Each virtual machine has a public IP address assigned to its network interface and a locally installed application named App1.

You plan to implement Azure Front Door-based load balancing across all the virtual machines.

You need to ensure that App1 on the virtual machines will only accept traffic routed from Azure Front Door. What should you implement?

- A. Azure Private Link
- B. service endpoints
- C. network security groups (NSGs) with service tags
- D. network security groups (NSGs) with application security groups

**Answer:** C

**Explanation:**

Configure IP ACLing for your backends to accept traffic from Azure Front Door's backend IP address space and Azure's infrastructure services only. Refer the IP details below for ACLing your backend:

➤ Refer AzureFrontDoor.Backend section in Azure IP Ranges and Service Tags for Front Door's IPv4 backend IP address range or you can also use the service tag AzureFrontDoor.Backend in your network security groups.

Reference:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-faq>

**NEW QUESTION 34**

- (Exam Topic 2)

You have an application named App1 that does not support Azure Active Directory (Azure AD) authentication.

You need to ensure that App1 can send messages to an Azure Service Bus queue. The solution must prevent App1 from listening to the queue.

What should you do?

- A. Modify the locks of the Queue
- B. Configure Access control (IAM) for the Service Bus
- C. Configure Access control (IAM) for the queue.
- D. Add a shared access policy to the queue

**Answer:** D

**Explanation:**

There are two ways to authenticate and authorize access to Azure Service Bus resources: Azure Activity Directory (Azure AD) and Shared Access Signatures (SAS).

Each Service Bus namespace and each Service Bus entity has a Shared Access Authorization policy made up of rules.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-authentication-and-authorization> <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-sas>

**NEW QUESTION 35**

- (Exam Topic 2)

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

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

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

A user named Admin1 attempts to create an access review from the Azure Active Directory admin center and discovers that the Access reviews settings are unavailable. Admin1 discovers that all the other Identity Governance settings are available.

Admin1 is assigned The User administrator, Compliance administrator, and Security administrator roles. You need to ensure that Admin1 can create access reviews in contoso.com. .

Solution: You assign the Global administrator role to Admin1. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead use Azure AD Privileged Identity Management.

Note: PIM essentially helps you manage the who, what, when, where, and why for resources that you care about. Key features of PIM include:

➤ Conduct access reviews to ensure users still need roles References:

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

### NEW QUESTION 37

- (Exam Topic 2)

You have a web server app named App1 that is hosted in three Azure regions. You plan to use Azure Traffic Manager to distribute traffic optimally for App1. You need to enable Real User Measurements to monitor the network latency data for App1. What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From the Traffic Manager profile:

Select Generate key.
Enable Traffic view.
Configure the Diagnostics settings.
Add a custom header.

From App1:

Embed the Traffic Manager JavaScript code snippet.
Embed the Azure Application Insights JavaScript code snippet.
Configure the Diagnostics settings.
Configure the Application settings.

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: Select Generate key

You can configure your web pages to send Real User Measurements to Traffic Manager by obtaining a Real User Measurements (RUM) key and embedding the generated code to web page.

Obtain a Real User Measurements key

The measurements you take and send to Traffic Manager from your client application are identified by the service using a unique string, called the Real User Measurements (RUM) Key. You can get a RUM key using the Azure portal, a REST API, or by using the PowerShell or Azure CLI.

To obtain the RUM Key using Azure portal:

- > From a browser, sign in to the Azure portal. If you don't already have an account, you can sign up for a free one-month trial.
- > In the portal's search bar, search for the Traffic Manager profile name that you want to modify, and then click the Traffic Manager profile in the results that the displayed.
- > In the Traffic Manager profile blade, click Real User Measurements under Settings.
- > Click Generate Key to create a new RUM Key.

Box 2: Embed the Traffic Manager JavaScript code snippet. Embed the code to an HTML web page

After you have obtained the RUM key, the next step is to embed this copied JavaScript into an HTML page that your end users visit.

This example shows how to update an HTML page to add this script. You can use this guidance to adapt it to your HTML source management workflow.

- > Open the HTML page in a text editor
- > Paste the JavaScript code you had copied in the earlier step to the BODY section of the HTML (the copied code is on line 8 & 9, see figure 3).

```

1 <HTML>
2 <HEAD>
3 <TITLE>Webpage powered by Azure</TITLE>
4 </HEAD>
5 <BODY BGCOLOR="FFFFFF">
6 <H1>Welcome</H1>
7 <P> <B>Hello!</B>
8 <script src="//www.atmrum.net/rum.js"></script>
9 <script>rum.start("0123456789abcdef0123456789abcdff");</script>
10 </BODY>
11 </HTML>

```

Reference:

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-create-rum-web-pages>

### NEW QUESTION 38

- (Exam Topic 2)

Your company has an Azure Container Registry named Registry1.

You have an Azure virtual machine named Server1 that runs Windows Server 2019. From Server1, you create a container image named image1.

You need to add image1 to Registry1.

Which command should you run on Server1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



	▼	push		▼	/image1
docker			registry1.azurecr.io		
AzCopy			registry1.onmicrosoft.com		
Robocopy			https://registry1.onmicrosoft.com		
esentutl			\\registry1.blob.core.windows.net		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

An Azure container registry stores and manages private Docker container images, similar to the way Docker Hub stores public Docker images. You can use the Docker command-line interface (Docker CLI) for login, push, pull, and other operations on your container registry.

Reference:

<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-get-started-docker-cli> <https://docs.docker.com/engine/reference/commandline/push/>

NEW QUESTION 42


- (Exam Topic 2)

Your network contains an on-premises Active Directory domain named contoso.com that contains a user named User1. The domain syncs to Azure Active Directory (Azure AD). You have the Windows 10 devices shown in the following table.

Name	Joined to
Device1	On-premises Active Directory
Device2	Azure AD
Device3	Workgroup

The User Sign-In settings are configured as shown in the following exhibit.

### PROVISION FROM ACTIVE DIRECTORY



#### Azure AD Connect cloud provisioning


This feature allows you to manage provisioning from the cloud.

[Manage provisioning \(Preview\)](#)

#### Azure AD Connect sync

Sync Status	Enabled
Last Sync	Less than 1 hour ago
Password Hash Sync	Enabled

### USER SIGN-IN



<a href="#">Federation</a>	Disabled	0 domains
<a href="#">Seamless single sign-on</a>	Enabled	1 domain
<a href="#">Pass-through authentication</a>	Disabled	0 agents

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
When accessing the Azure portal from Device1, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device2, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device3, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>



- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Statements	Yes	No
When accessing the Azure portal from Device1, User1 will sign in automatically by using SSO.	<input checked="" type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device2, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input checked="" type="radio"/>
When accessing the Azure portal from Device3, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input checked="" type="radio"/>

#### NEW QUESTION 45

- (Exam Topic 2)

You have two Azure SQL Database managed instances in different Azure regions. You plan to configure the managed instances in an instance failover group. What should you configure before you can add the managed instances to the instance failover group?

- A. Azure Private Link that has endpoints on two virtual networks  
B. an internal Azure Load Balancer instance that has managed instance endpoints in a backend pool  
C. an Azure Application Gateway that has managed instance endpoints in a backend pool  
D. a Site-to-Site VPN between the virtual networks that contain the instances

**Answer:** D

**Explanation:**

For two managed instances to participate in a failover group, there must be either ExpressRoute or a gateway configured between the virtual networks of the two managed instances to allow network communication.

You create the two VPN gateways and connect them.

➤ Create a bidirectional connection between the two gateways of the two virtual networks.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/failover-group-add-instance-tutorial?tabs=az>

#### NEW QUESTION 50

- (Exam Topic 2)

A company plans to use third-party application software to perform complex data analysis processes. The software will use up to 500 identical virtual machines (VMs) based on an Azure Marketplace VM image.

You need to design the infrastructure for the third-party application server. The solution must meet the following requirements:

- The number of VMs that are running at any given point in time must change when the user workload changes.  
➤ When a new version of the application is available in Azure Marketplace it must be deployed without causing application downtime.  
➤ Use VM scale sets.  
➤ Minimize the need for ongoing maintenance.

Which two technologies should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. single storage account  
B. autoscale  
C. single placement group  
D. managed disks

**Answer:** BD

**Explanation:**

Introduction to Azure managed disks

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/managed-disks-overview> "Using managed disks, you can create up to 50,000 VM disks of a type in a subscription per region, allowing you to create thousands of VMs in a single subscription. This feature also further increases the scalability of virtual machine scale sets by allowing you to create up to 1,000 VMs in a virtual machine scale set using a Marketplace image."

#### NEW QUESTION 51

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

XCOPY File1.txt C:\Folder1\

You then build the container image. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Copy is the correct command to copy a file to the container image. Furthermore, the root directory is specified as '/' and not as 'C:/'.

References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 52**

- (Exam Topic 2)

You have Azure virtual machines deployed to three Azure regions. Each region contains a single virtual network that has four virtual machines on the same subnet. Each virtual machine runs an application named App1. App1 is accessible by using HTTPS. Currently, the virtual machines are inaccessible from the internet.

You need to use Azure Front Door to load balance requests for App1 across all the virtual machines. Which additional Azure service should you provision?

- A. a public Azure Load Balancer
- B. Azure Traffic Manager
- C. an internal Azure Load Balancer
- D. Azure Private Link

**Answer:** A

**NEW QUESTION 53**

.....

## About ExamBible

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- (Exam Topic 1)

Answer Area

Save

Discard

Users may join devices to Azure AD ⓘ

All

Selected

None

Selected

No member selected

Additional local administrators on Azure AD joined devices ⓘ

Selected

None

Selected

No member selected

Users may register their devices with Azure AD ⓘ

All

None

Require Multi-Factor Auth to join devices ⓘ

Yes

No

Maximum number of devices per user ⓘ

50

Users may sync settings and app data across devices ⓘ

All

Selected

None

Selected

No member selected

- Answer: A**

Box 1: Selected

- (Exam Topic 1)

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

- H. Associate the NSG to the subnet that contains the web servers.

**Explanation:**

Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

- (Exam Topic 2)

You have an Azure Resource Manager template for a virtual machine named Template1. Template1 has the following parameters section.



```
"parameters": {
  "adminUsername": {
    "type": "string"
  },
  "adminPassword": {
    "type": "securestring"
  },
  "dnsLabelPrefix": {
    "type": "string"
  },
  "windowsOSVersion": {
    "type": "string"
    "defaultValue": "2016-Datacenter",
    "allowedValues": [
      "2016-Datacenter",
      "2019-Datacenter"
    ]
  },
  "location": {
    "type": "String",
    "allowedValues": [
      "eastus",
      "centralus",
      "westus" ]
  }
},
```

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
When you deploy Template1, you are prompted for a resource group.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for the Windows operating system version.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for a location.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

The Resource group is not specified.

Box 2: No

The default value for the operating system is Windows 2016 Datacenter.

Box 3: Yes

Location is no default value. References:

<https://docs.microsoft.com/bs-latn-ba/azure/virtual-machines/windows/ps-template>

**NEW QUESTION 4**

- (Exam Topic 2)

You have 10 Azure virtual machines on a subnet named Subnet1. Subnet1 is on a virtual network named VNet1.

You plan to deploy a public Azure Standard Load Balancer named LB1 to the same Azure region as the 10 virtual machines.

You need to ensure that traffic from all the virtual machines to the internet flows through LB1. The solution must prevent the virtual machines from being accessible on the internet.

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

NOTE: Each correct selection is worth one point.

- A. Add health probes to LB1.  
B. Add the network interfaces of the virtual machines to the backend pool of LB1.  
C. Add an inbound rule to LB1.  
D. Add an outbound rule to LB1.  
E. Associate a network security group (NSG) to Subnet1.  
F. Associate a user-defined route to Subnet1.

**Answer:** ABD

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/load-balancer/tutorial-load-balancer-standard-manage-portal2>

**NEW QUESTION 5**

- (Exam Topic 2)

Note: This question is part of 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.

A user named Admin1 attempts to create an access review from the Azure Active Directory admin center and discovers that the Access reviews settings are unavailable. Admin1 discovers that all the other Identity Governance settings are available.

Admin1 is assigned the User administrator, Compliance administrator, and Security administrator roles. You need to ensure that the Admin1 can create access reviews in contoso.com.

Solution: You purchase an Azure Directory Premium P2 license for contoso.com. Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Instead use Azure AD Privileged Identity Management.

Note: PIM essentially helps you manage the who, what, when, where, and why for resources that you care about. Key features of PIM include:

➤ Conduct access reviews to ensure users still need roles References:

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

**NEW QUESTION 6**

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

ADD File1.txt C:/Folder1/

You then build the container image. Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Copy is the correct command to copy a file to the container image. The ADD command can also be used. However, the root directory is specified as '/' and not as 'C:/'.

Reference:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 7**

- (Exam Topic 2)

You have an Azure subscription that contains a resource group named RG1. You have a group named Group1 that is assigned the Contributor role for RG1.

You need to enhance security for the virtual machines in RG1 to meet the following requirements:

- Prevent Group1 from assigning external IP addresses to the virtual machines.
- Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address.

What should you use to meet each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Prevent Group1 from assigning external IP addresses to the virtual machines:

Azure Policy  
Azure Bastion  
Virtual network service endpoints  
Azure Firewall  
Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

Azure Policy  
Azure Bastion  
Virtual network service endpoints  
Azure Firewall  
Azure Web Application Firewall (WAF)

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Prevent Group1 from assigning external IP addresses to the virtual machines:

Azure Policy  
 Azure Bastion  
 Virtual network service endpoints  
 Azure Firewall  
 Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

Azure Policy  
 Azure Bastion  
 Virtual network service endpoints  
 Azure Firewall  
 Azure Web Application Firewall (WAF)

### NEW QUESTION 8

- (Exam Topic 2)

Your company has a virtualization environment that contains the virtualization hosts shown in the following table.

Name	Hypervisor	Guest
Server1	VMware	VM1, VM2, VM3
Server2	Hyper-V	VMA, VMB, VMC

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

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

All the virtual machines use basic disks. VM1 is protected by using BitLocker Drive Encryption (BitLocker). You plan to migrate the virtual machines to Azure by using Azure Site Recovery.

You need to identify which virtual machines can be migrated.

Which virtual machines should you identify for each server? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

The virtual machines that can be migrated from Server1.

VM1 only  
 VM2 only  
 VM3 only  
 VM1 and VM2 only  
 VM1 and VM3 only  
 VM1, VM2, and VM3

The virtual machines that can be migrated from Server2.

VMA only  
 VMB only  
 VMC only  
 VMA and VMB only  
 VMA and VMC only  
 VMA, VMB, and VMC

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



The virtual machines that can be migrated from Server1.

VM1 only
VM2 only
VM3 only
VM1 and VM2 only
VM1 and VM3 only
VM1, VM2, and VM3

The virtual machines that can be migrated from Server2.

VMA only
VMB only
VMC only
VMA and VMB only
VMA and VMC only
VMA, VMB, and VMC

NEW QUESTION 9

- (Exam Topic 2)

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

Name	Kind	Performance tier	Replication	Location
storage1	StorageV2	Premium	Locally-redundant storage (LRS)	East US
storage2	Storage	Standard	Geo-redundant storage (GRS)	UK West
storage3	BlobStorage	Standard	Locally-redundant storage (LRS)	North Europe

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
storage1 can host Azure file shares.	<input type="radio"/>	<input type="radio"/>
There are six copies of the data in storage2.	<input type="radio"/>	<input type="radio"/>
storage3 can be converted to a GRS account.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
storage1 can host Azure file shares.	<input type="radio"/>	<input checked="" type="radio"/>
There are six copies of the data in storage2.	<input checked="" type="radio"/>	<input type="radio"/>
storage3 can be converted to a GRS account.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 10

- (Exam Topic 2)

You have an Azure subscription that contains 10 virtual machines on a virtual network.

You need to create a graph visualization to display the traffic flow between the virtual machines. What should you do from Azure Monitor?



- A. From Activity log, use quick insights.
- B. From Metrics, create a chart.
- C. From Logs, create a new query.
- D. From Workbooks, create a workbook.

**Answer:** C

**Explanation:**

Navigate to Azure Monitor and select Logs to begin querying the data Reference:

<https://azure.microsoft.com/en-us/blog/analysis-of-network-connection-data-with-azure-monitor-for-virtual-mac>

**NEW QUESTION 10**

- (Exam Topic 2)

You plan to automate the deployment of a virtual machine scale set that uses the Windows Server 2016 Datacenter image. You need to ensure that when the scale set virtual machines are provisioned, they have web server components installed. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Create a new virtual machine scale set in the Azure portal.
- B. Create an automation account.
- C. Upload a configuration script.
- D. Modify the extensionProfile section of the Azure Resource Manager template.
- E. Create an Azure policy.

**Answer:** AD

**Explanation:**

References:

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

**NEW QUESTION 15**

- (Exam Topic 2)

You have Azure virtual machines that have Update Management enabled. The virtual machines are configured as shown in the following table.

Name	Operating system	Resource group	Location
VM1	Windows Server 2012 R2	RG1	East US
VM2	Windows Server 2016	RG1	West US
VM3	Windows Server 2019	RG2	West US
VM4	Red Hat Enterprise Linux 7.7	RG2	West US
VM5	Ubuntu Server 18.04 LTS	RG1	East US
VM6	CentOS-based 7.7	RG1	East US

You need to ensure that all critical and security updates are applied to each virtual machine every month. What is the minimum number of update deployments you should create?

- A. 4
- B. 6
- C. 1
- D. 2

**Answer:** A

**NEW QUESTION 18**

- (Exam Topic 2)

You have an Azure Active Directory (Azure AD) tenant linked to an Azure subscription. The tenant contains a group named Admins.

You need to prevent users, except for the members of Admins, from using the Azure portal and Azure PowerShell to access the subscription.

What should you do?

- A. From Azure AD, configure the User settings.
- B. From the Azure subscription, assign an Azure policy.
- C. From Azure AD, create a conditional access policy.
- D. From the Azure subscription, configure Access control (IAM).

**Answer:** D

**NEW QUESTION 21**

- (Exam Topic 2)

You create an Azure virtual machine named VM1 in a resource group named RG1. You discover that VM1 performs slower than expected.

You need to capture a network trace on VM1. What should you do?

- A. From Diagnostic settings for VM1, configure the performance counters to include network counters.
- B. From the VM1 blade, configure Connection troubleshoot.
- C. From the VM1 blade, install performance diagnostics and run advanced performance analysis

D. From Diagnostic settings for VM1, configure the log level of the diagnostic agent.

**Answer:** C

**Explanation:**

The performance diagnostics tool helps you troubleshoot performance issues that can affect a Windows or Linux virtual machine (VM). Supported troubleshooting scenarios include quick checks on known issues and best practices, and complex problems that involve slow VM performance or high usage of CPU, disk space, or memory.

Advanced performance analysis, included in the performance diagnostics tool, includes all checks in the performance analysis, and collects one or more of the traces, as listed in the following sections. Use this scenario to troubleshoot complex issues that require additional traces. Running this scenario for longer periods will increase the overall size of diagnostics output, depending on the size of the VM and the trace options that are selected.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/troubleshooting/performance-diagnostics>

**NEW QUESTION 23**

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

COPY File1.txt C:/Folder1/

You then build the container image. Does this meet the goal?

A. Yes

B. No

**Answer:** B

**Explanation:**

Copy is the correct command to copy a file to the container image but the root directory is specified as '/' and not as 'C:/'.

References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 24**

- (Exam Topic 2)

Your company has an Azure subscription.

You enable multi-factor authentication (MFA) for all users.

The company's help desk reports an increase in calls from users who receive MFA requests while they work from the company's main office.

You need to prevent the users from receiving MFA requests when they sign in from the main office. What should you do?

A. From Azure Active Directory (Azure AD), configure organizational relationships.

B. From the MFA service settings, create a trusted IP range.

C. From Conditional access in Azure Active Directory (Azure AD), create a custom control.

D. From Conditional access in Azure Active Directory (Azure AD), create a named location.

**Answer:** B

**Explanation:**

The first thing you may want to do, before enabling Multi-Factor Authentication for any users, is to consider configuring some of the available settings. One of the most important features is a trusted IPs list. This will allow you to whitelist a range of IPs for your network. This way, when users are in the office, they will not get prompted with MFA, and when they take their devices elsewhere, they will. Here's how to do it:

Log in to your Azure Portal.

Navigate to Azure AD > Conditional Access > Named locations. From the top toolbar select Configure MFA trusted IPs. References:

<https://www.kraftkennedy.com/implementing-azure-multi-factor-authentication/>

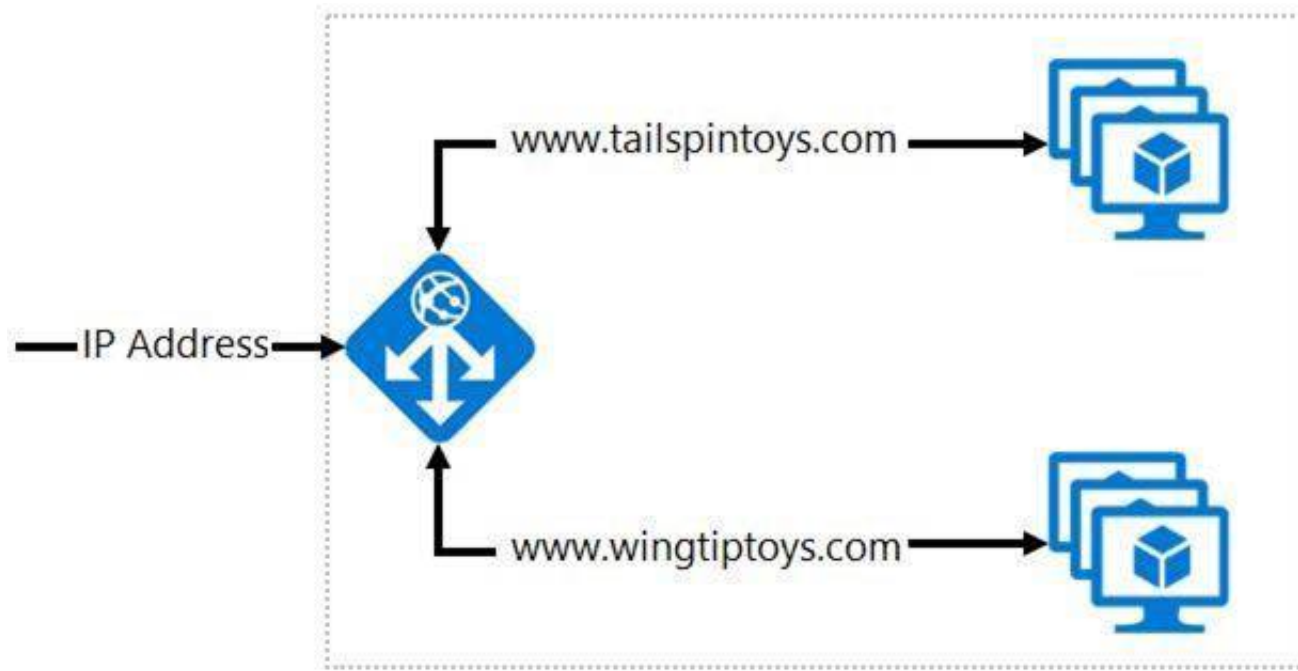
**NEW QUESTION 29**

- (Exam Topic 2)

Your company hosts multiple websites by using Azure virtual machine scale sets (VMSS) that run Internet Information Server (IIS).

All network communications must be secured by using end to end Secure Socket Layer (SSL) encryption. User sessions must be routed to the same server by using cookie-based session affinity.

The image shown depicts the network traffic flow for the websites to the VMSS.



Use the drop-down menus to select the answer choice that answers each question.  
 NOTE: Each correct selection is worth one point.

Which Azure solution should you create to route the web application traffic to the VMSS?

	▼
Azure VPN Gateway	
Azure Application Gateway	
Azure ExpressRoute	
Azure Network Watcher	

What should you configure to make sure web traffic arrives at the appropriate server in the VMSS?

	▼
Routing rules and backend listeners	
CNAME and A records	
Routing method and DNS time to live (TTL)	
Path-based redirection and WebSockets	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Azure Application Gateway

You can create an application gateway with URL path-based redirection using Azure PowerShell. Box 2: Path-based redirection and Websockets

Reference:

<https://docs.microsoft.com/bs-latn-ba/azure//application-gateway/tutorial-url-redirect-powershell>

**NEW QUESTION 30**

- (Exam Topic 2)

You have the virtual machines shown in the following table.

Name	Operating system	Connected to
VM1	Red Hat Enterprise Linux 7.7	VNET1
VM2	Windows Server 2019	VNET2
VM3	Windows Server 2019	VNET3

You deploy an Azure bastion named Bastion1 to VNET1.

To which virtual machines can you connect by using Bastion1?

- A. VM1 only
- B. VM1 and VM2 only
- C. VM2 and VM3 only
- D. VM1, VM2, and VM3

**Answer:** C

**NEW QUESTION 32**

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

COPY File1.txt /Folder1/

You then build the container image. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

Copy is the correct command to copy a file to the container image. References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 33**

- (Exam Topic 2)

You have resources in three Azure regions. Each region contains two virtual machines. Each virtual machine has a public IP address assigned to its network interface and a locally installed application named App1.

You plan to implement Azure Front Door-based load balancing across all the virtual machines.

You need to ensure that App1 on the virtual machines will only accept traffic routed from Azure Front Door. What should you implement?

- A. Azure Private Link
- B. service endpoints
- C. network security groups (NSGs) with service tags
- D. network security groups (NSGs) with application security groups

**Answer:** C

**Explanation:**

Configure IP ACLing for your backends to accept traffic from Azure Front Door's backend IP address space and Azure's infrastructure services only. Refer the IP details below for ACLing your backend:

➤ Refer AzureFrontDoor.Backend section in Azure IP Ranges and Service Tags for Front Door's IPv4 backend IP address range or you can also use the service tag AzureFrontDoor.Backend in your network security groups.

Reference:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-faq>

**NEW QUESTION 34**

- (Exam Topic 2)

You have an application named App1 that does not support Azure Active Directory (Azure AD) authentication.

You need to ensure that App1 can send messages to an Azure Service Bus queue. The solution must prevent App1 from listening to the queue.

What should you do?

- A. Modify the locks of the Queue
- B. Configure Access control (IAM) for the Service Bus
- C. Configure Access control (IAM) for the queue.
- D. Add a shared access policy to the queue

**Answer:** D

**Explanation:**

There are two ways to authenticate and authorize access to Azure Service Bus resources: Azure Activity Directory (Azure AD) and Shared Access Signatures (SAS).

Each Service Bus namespace and each Service Bus entity has a Shared Access Authorization policy made up of rules.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-authentication-and-authorization> <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-sas>

**NEW QUESTION 35**

- (Exam Topic 2)

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

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

You have an Azure Active Directory {Azure AD} tenant named contoso.com.

A user named Admin1 attempts to create an access review from the Azure Active Directory admin center and discovers that the Access reviews settings are unavailable. Admin 1 discovers that all the other Identity Governance settings are available.

Admin1 is assigned The User administrator, Compliance administrator, and Security administrator roles. You need to ensure that Admin1 can create access reviews in contoso.com. .

Solution: You assign the Global administrator role to Admin1. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead use Azure AD Privileged Identity Management.

Note: PIM essentially helps you manage the who, what, when, where, and why for resources that you care about. Key features of PIM include:

➤ Conduct access reviews to ensure users still need roles References:

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>



### NEW QUESTION 37

- (Exam Topic 2)

You have a web server app named App1 that is hosted in three Azure regions. You plan to use Azure Traffic Manager to distribute traffic optimally for App1. You need to enable Real User Measurements to monitor the network latency data for App1. What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From the Traffic Manager profile:

Select Generate key.
Enable Traffic view.
Configure the Diagnostics settings.
Add a custom header.

From App1:

Embed the Traffic Manager JavaScript code snippet.
Embed the Azure Application Insights JavaScript code snippet.
Configure the Diagnostics settings.
Configure the Application settings.

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: Select Generate key

You can configure your web pages to send Real User Measurements to Traffic Manager by obtaining a Real User Measurements (RUM) key and embedding the generated code to web page.

Obtain a Real User Measurements key

The measurements you take and send to Traffic Manager from your client application are identified by the service using a unique string, called the Real User Measurements (RUM) Key. You can get a RUM key using the Azure portal, a REST API, or by using the PowerShell or Azure CLI.

To obtain the RUM Key using Azure portal:

- > From a browser, sign in to the Azure portal. If you don't already have an account, you can sign up for a free one-month trial.
- > In the portal's search bar, search for the Traffic Manager profile name that you want to modify, and then click the Traffic Manager profile in the results that the displayed.
- > In the Traffic Manager profile blade, click Real User Measurements under Settings.
- > Click Generate Key to create a new RUM Key.

Box 2: Embed the Traffic Manager JavaScript code snippet. Embed the code to an HTML web page

After you have obtained the RUM key, the next step is to embed this copied JavaScript into an HTML page that your end users visit.

This example shows how to update an HTML page to add this script. You can use this guidance to adapt it to your HTML source management workflow.

- > Open the HTML page in a text editor
- > Paste the JavaScript code you had copied in the earlier step to the BODY section of the HTML (the copied code is on line 8 & 9, see figure 3).

```

1 <HTML>
2 <HEAD>
3 <TITLE>Webpage powered by Azure</TITLE>
4 </HEAD>
5 <BODY BGCOLOR="FFFFFF">
6 <H1>Welcome</H1>
7 <P> <B>Hello!</B>
8 <script src="//www.atmrum.net/rum.js"></script>
9 <script>rum.start("0123456789abcdef0123456789abcdff");</script>
10 </BODY>
11 </HTML>

```

Reference:

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-create-rum-web-pages>

### NEW QUESTION 38

- (Exam Topic 2)

Your company has an Azure Container Registry named Registry1.

You have an Azure virtual machine named Server1 that runs Windows Server 2019. From Server1, you create a container image named image1.

You need to add image1 to Registry1.

Which command should you run on Server1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

	▼	push		▼	/image1
docker			registry1.azurecr.io		
AzCopy			registry1.onmicrosoft.com		
Robocopy			https://registry1.onmicrosoft.com		
esentutl			\\registry1.blob.core.windows.net		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

An Azure container registry stores and manages private Docker container images, similar to the way Docker Hub stores public Docker images. You can use the Docker command-line interface (Docker CLI) for login, push, pull, and other operations on your container registry.

Reference:

<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-get-started-docker-cli> <https://docs.docker.com/engine/reference/commandline/push/>

NEW QUESTION 42


- (Exam Topic 2)

Your network contains an on-premises Active Directory domain named contoso.com that contains a user named User1. The domain syncs to Azure Active Directory (Azure AD). You have the Windows 10 devices shown in the following table.

Name	Joined to
Device1	On-premises Active Directory
Device2	Azure AD
Device3	Workgroup

The User Sign-In settings are configured as shown in the following exhibit.

### PROVISION FROM ACTIVE DIRECTORY



#### Azure AD Connect cloud provisioning


This feature allows you to manage provisioning from the cloud.

[Manage provisioning \(Preview\)](#)

#### Azure AD Connect sync

Sync Status	Enabled
Last Sync	Less than 1 hour ago
Password Hash Sync	Enabled

### USER SIGN-IN



<a href="#">Federation</a>	Disabled	0 domains
<a href="#">Seamless single sign-on</a>	Enabled	1 domain
<a href="#">Pass-through authentication</a>	Disabled	0 agents

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
When accessing the Azure portal from Device1, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device2, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device3, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Statements	Yes	No
When accessing the Azure portal from Device1, User1 will sign in automatically by using SSO.	<input checked="" type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device2, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input checked="" type="radio"/>
When accessing the Azure portal from Device3, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input checked="" type="radio"/>

#### NEW QUESTION 45

- (Exam Topic 2)

You have two Azure SQL Database managed instances in different Azure regions. You plan to configure the managed instances in an instance failover group. What should you configure before you can add the managed instances to the instance failover group?

- A. Azure Private Link that has endpoints on two virtual networks  
B. an internal Azure Load Balancer instance that has managed instance endpoints in a backend pool  
C. an Azure Application Gateway that has managed instance endpoints in a backend pool  
D. a Site-to-Site VPN between the virtual networks that contain the instances

**Answer:** D

**Explanation:**

For two managed instances to participate in a failover group, there must be either ExpressRoute or a gateway configured between the virtual networks of the two managed instances to allow network communication.

You create the two VPN gateways and connect them.

➤ Create a bidirectional connection between the two gateways of the two virtual networks.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/failover-group-add-instance-tutorial?tabs=az>

#### NEW QUESTION 50

- (Exam Topic 2)

A company plans to use third-party application software to perform complex data analysis processes. The software will use up to 500 identical virtual machines (VMs) based on an Azure Marketplace VM image.

You need to design the infrastructure for the third-party application server. The solution must meet the following requirements:

- The number of VMs that are running at any given point in time must change when the user workload changes.  
➤ When a new version of the application is available in Azure Marketplace it must be deployed without causing application downtime.  
➤ Use VM scale sets.  
➤ Minimize the need for ongoing maintenance.

Which two technologies should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. single storage account  
B. autoscale  
C. single placement group  
D. managed disks

**Answer:** BD

**Explanation:**

Introduction to Azure managed disks

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/managed-disks-overview> "Using managed disks, you can create up to 50,000 VM disks of a type in a subscription per region, allowing you to create thousands of VMs in a single subscription. This feature also further increases the scalability of virtual machine scale sets by allowing you to create up to 1,000 VMs in a virtual machine scale set using a Marketplace image."

#### NEW QUESTION 51

- (Exam Topic 2)

Note: This question is part of 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 a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

XCOPY File1.txt C:\Folder1\

You then build the container image. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Copy is the correct command to copy a file to the container image. Furthermore, the root directory is specified as '/' and not as 'C:/'.

References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 52**

- (Exam Topic 2)

You have Azure virtual machines deployed to three Azure regions. Each region contains a single virtual network that has four virtual machines on the same subnet. Each virtual machine runs an application named App1. App1 is accessible by using HTTPS. Currently, the virtual machines are inaccessible from the internet.

You need to use Azure Front Door to load balance requests for App1 across all the virtual machines. Which additional Azure service should you provision?

- A. a public Azure Load Balancer
- B. Azure Traffic Manager
- C. an internal Azure Load Balancer
- D. Azure Private Link

**Answer:** A

**NEW QUESTION 53**

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## Relate Links

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