

# AZ-900<sup>Q&As</sup>

Microsoft Azure Fundamentals

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## QUESTION 1

### HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

#### Answer Area

Statements	Yes	No
All Azure services in private preview must be accessed by using a separate Azure portal.	<input type="radio"/>	<input type="radio"/>
Azure services in public preview can be used in production environments.	<input type="radio"/>	<input type="radio"/>
Azure services in public preview are subject to a Service Level Agreement (SLA).	<input type="radio"/>	<input type="radio"/>

Correct Answer:

#### Answer Area

Statements	Yes	No
All Azure services in private preview must be accessed by using a separate Azure portal.	<input type="radio"/>	<input checked="" type="radio"/>
Azure services in public preview can be used in production environments.	<input checked="" type="radio"/>	<input type="radio"/>
Azure services in public preview are subject to a Service Level Agreement (SLA).	<input type="radio"/>	<input checked="" type="radio"/>

## QUESTION 2

Your company plans to deploy several web servers and several database servers to Azure.

You need to recommend an Azure solution to limit the types of connections from the web servers to the database servers.

What should you include in the recommendation?

- A. network security groups (NSGs)
- B. Azure Service Bus

C. a local network gateway

D. a route filter

Correct Answer: A

### QUESTION 3

#### HOTSPOT

You plan to extend your company's network to Azure. The network contains a VPN appliance that uses an IP address of 131.107.200.1.

You need to create an Azure resource that identifies the VPN appliance.

Which Azure resource should you create? To answer, select the appropriate resource in the answer area.

Hot Area:

#### Answer Area

NETWORKING (20)	
Virtual networks ★	Virtual networks (classic) ★
Load balancers ★	Application gateways ★
Virtual network gateways ★	Local network gateways ★
DNS zones ★	CDN profiles ★
Traffic Manager profiles ★	ExpressRoute circuits ★
Network Watcher ★	Network security groups ★

Correct Answer:

#### Answer Area

NETWORKING (20)	
Virtual networks ★	Virtual networks (classic) ★
Load balancers ★	Application gateways ★
Virtual network gateways ★	Local network gateways ★
DNS zones ★	CDN profiles ★
Traffic Manager profiles ★	ExpressRoute circuits ★
Network Watcher ★	Network security groups ★

### QUESTION 4

A support engineer plans to perform several Azure management tasks by using the Azure CLI.

You install the CLI on a computer.

You need to tell the support engineer which tools to use to run the CLI.

Which two tools should you instruct the support engineer to use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Command Prompt
- B. Azure Resource Explorer
- C. Windows PowerShell
- D. Windows Defender Firewall
- E. Network and Sharing Center

Correct Answer: AC

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#### QUESTION 5

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

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

Your Azure environment contains multiple Azure virtual machines.

You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

Solution: You modify an Azure Traffic Manager profile.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

---

#### QUESTION 6

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

Hot Area:

### Answer Area

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	<input type="radio"/>	<input type="radio"/>
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	<input type="radio"/>	<input type="radio"/>
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

### Answer Area

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	<input checked="" type="radio"/>	<input type="radio"/>
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	<input checked="" type="radio"/>	<input type="radio"/>
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	<input type="radio"/>	<input checked="" type="radio"/>

### QUESTION 7



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.

An Azure administrator plans to run a PowerShell script that creates Azure resources.

You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Chrome OS and uses Azure Cloud Shell.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

## QUESTION 8

You plan to implement an Azure database solution.

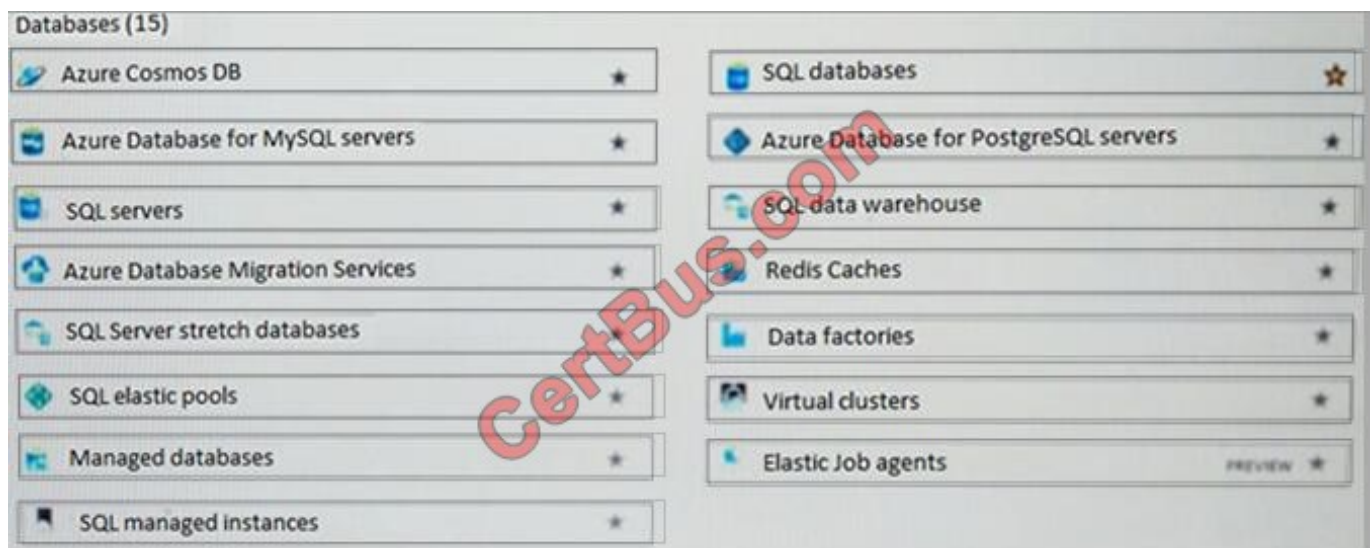
You need to implement a database solution that meets the following requirements:

Can add data concurrently from multiple regions

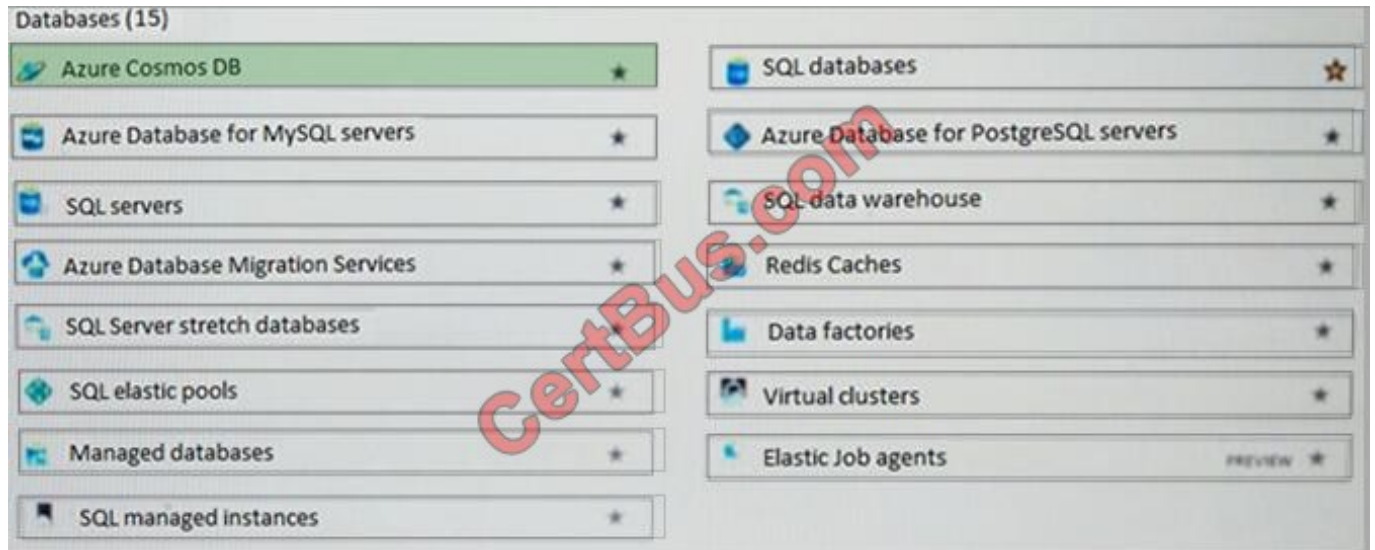
Can store JSON documents

Which database service should you deploy? To answer, select the appropriate service in the answer area.

Hot Area:



Correct Answer:



<https://docs.microsoft.com/en-us/azure/azure-functions/functions-integrate-store-unstructured-data-cosmosdb?tabs=csharp>

## QUESTION 9

This question requires that you evaluate the underlined text to determine if it is correct.

Authorization is the process of verifying a user's credentials.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. Authentication
- C. Federation
- D. Ticketing

Correct Answer: B

## QUESTION 10

### HOTSPOT

How should you calculate the monthly uptime percentage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

	÷		×	
Downtime in Minutes		60		100
Maximum Available Minutes		1,440		99.99
(Maximum Available Minutes – Downtime in Minutes)		Maximum Available Minutes		1.440

Correct Answer:

### Answer Area

	÷		×	
Downtime in Minutes		60		100
Maximum Available Minutes		1,440		99.99
(Maximum Available Minutes – Downtime in Minutes)		Maximum Available Minutes		1.440

## QUESTION 11

Match the Azure service to the correct description.

Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

### Answer Options

- Azure Machine Learning
- Azure IoT Hub
- Azure AI bot
- Azure Functions

### Answer Area

- Provides a digital online assistant that provides speech support
- Uses past trainings to provide predictions that have high probability
- Provides serverless computing functionalities
- Processes data from millions of sensors

Correct Answer:



**Answer Options**


**Answer Area**

Azure AI bot

Provides a digital online assistant that provides speech support

Azure Machine Learning

Uses past trainings to provide predictions that have high probability

Azure Functions

Provides serverless computing functionalities

Azure IoT Hub

Processes data from millions of sensors

**QUESTION 12**

**HOTSPOT** You need to identify which blades in the Azure portal must be used to perform the following tasks: View security recommendations. Monitor the health of Azure services.

Browse available virtual machine images. Which blade should you identify for each task? To answer, select the appropriate options in the answer area. **NOTE:** Each correct selection is worth one point. Hot Area:

## Answer Area

Monitor the health of Azure services:

	▼
Monitor	
Subscriptions	
Marketplace	
Advisor	

Browse available virtual machine images:

	▼
Monitor	
Subscriptions	
Marketplace	
Advisor	

View security recommendations:

	▼
Monitor	
Subscriptions	
Marketplace	
Advisor	

Correct Answer:

## Answer Area

Monitor the health of Azure services:

	▼
Monitor	
Subscriptions	
Marketplace	
Advisor	

Browse available virtual machine images:

	▼
Monitor	
Subscriptions	
Marketplace	
Advisor	

View security recommendations:

	▼
Monitor	
Subscriptions	
Marketplace	
Advisor	

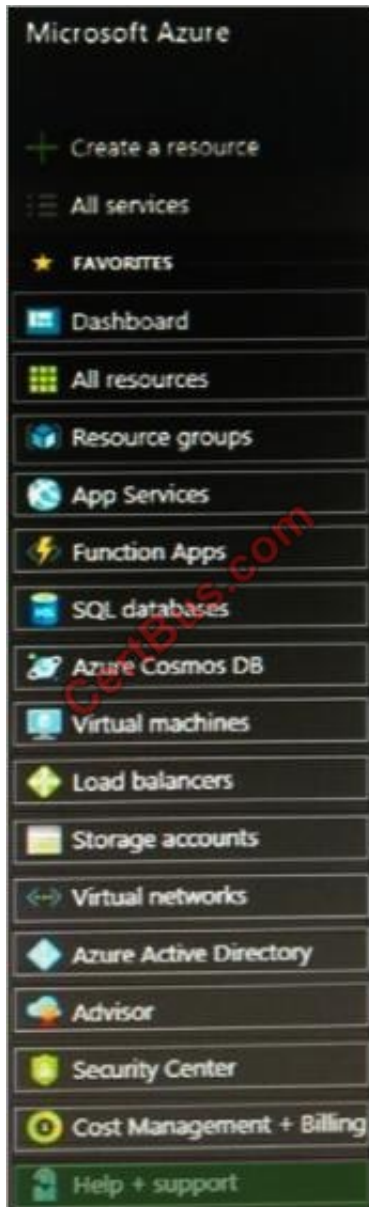
### QUESTION 13

You need to view a list of planned maintenance events that can affect the availability of an Azure subscription. Which blade should you use from the Azure portal? To answer, select the appropriate blade in the answer area.

Hot Area:



Correct Answer:



Help + Support

## QUESTION 14

### HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:



### Answer Area

Statements	Yes	No
By creating additional resource groups in an Azure subscription, additional costs are incurred.	<input type="radio"/>	<input type="radio"/>
By copying several gigabits of data to Azure from an on-premises network over a VPN, additional data transfer costs are incurred.	<input type="radio"/>	<input type="radio"/>
By copying several GB of data from Azure to an on-premises network over a VPN, additional data transfer costs are incurred.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

### Answer Area

Statements	Yes	No
By creating additional resource groups in an Azure subscription, additional costs are incurred.	<input type="radio"/>	<input checked="" type="radio"/>
By copying several gigabits of data to Azure from an on-premises network over a VPN, additional data transfer costs are incurred.	<input checked="" type="radio"/>	<input type="radio"/>
By copying several GB of data from Azure to an on-premises network over a VPN, additional data transfer costs are incurred.	<input type="radio"/>	<input checked="" type="radio"/>

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/manage-resource-groups-portal>

<https://azure.microsoft.com/en-us/pricing/details/bandwidth/>

**QUESTION 15**

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

Hot Area:

**Answer Area**

Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	<input type="radio"/>	<input type="radio"/>
An Azure service in public preview is released to all Azure customers.	<input type="radio"/>	<input type="radio"/>
An Azure service in general availability is released to a subset of Azure customers.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure service in public preview is released to all Azure customers.	<input checked="" type="radio"/>	<input type="radio"/>
An Azure service in general availability is released to a subset of Azure customers.	<input type="radio"/>	<input checked="" type="radio"/>

### QUESTION 16

#### HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

#### Statements

Yes

No

Azure Firewall will encrypt all the network traffic sent from Azure to the Internet.

☐☐

A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.

☐☐

Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.

☐☐

Correct Answer:

### Answer Area

#### Statements

Yes

No

Azure Firewall will encrypt all the network traffic sent from Azure to the Internet.

☐☒

A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.

☐☒

Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.

☐☒

### QUESTION 17

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.

Your company has an Azure subscription that contains the following unused resources: 20 user accounts in Azure Active Directory (Azure AD) Five groups in Azure AD 10 public IP addresses 10 network interfaces

You need to reduce the Azure costs for the company.

Solution: You remove the unused public IP addresses.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

References: <https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations#reduce-costs-by-deleting-or-reconfiguring-idle-virtual-network-gateways>

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### QUESTION 18

What are two characteristics of the public cloud? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. dedicated hardware

B. unsecured connections

C. limited storage

D. metered pricing

E. self-service management

Correct Answer: DE

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### QUESTION 19

Which two types of customers are eligible to use Azure Government to develop a cloud solution? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. a Canadian government contractor

B. a European government contractor



C. a United States government entity

D. a United States government contractor

E. a European government entity

Correct Answer: CD

References: <https://docs.microsoft.com/en-us/learn/modules/intro-to-azure-government/2-what-is-azure-government>

## QUESTION 20

### HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

#### Statements

Yes

No

To implement a hybrid cloud model, a company must always migrate from a private cloud model.

☐☐

A company can extend the computing resources of its internal network by using the public cloud.

☐☐

In a public cloud model, only guest users at your company can access the resources in the cloud.

☐☐

Correct Answer:

## Answer Area

### Statements

Yes

No

To implement a hybrid cloud model, a company must always migrate from a private cloud model.

☐
☒

A company can extend the computing resources of its internal network by using the public cloud.

☒
☐

In a public cloud model, only guest users at your company can access the resources in the cloud.

☐
☒

## QUESTION 21

### DRAG DROP

Match the Azure service to the correct description.

Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

### Answer Options

### Answer Area

Azure HDInsight

A managed relational cloud database service.

Azure Data Lake Analytics

A cloud-based service that leverages massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database.

Azure SQL Data Warehouse

Can run massively parallel data transformation and processing programs across petabytes of data

Azure SQL Database

An open-source framework for the distributed processing and analysis of big data sets in clusters

Correct Answer:

### Answer Options

- Azure HDInsight
- Azure Data Lake Analytics
- Azure SQL Data Warehouse
- Azure SQL Database

### Answer Area

- Azure SQL Database: A managed relational cloud database service.
- Azure SQL Data Warehouse: A cloud-based service that leverages massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database.
- Azure SQL Data Warehouse: Can run massively parallel data transformation and processing programs across petabytes of data
- Azure HDInsight: An open-source framework for the distributed processing and analysis of big data sets in clusters

### References:

<https://azure.microsoft.com/en-us/services/sql-database/>

<https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-overview-what-is>

<https://docs.microsoft.com/bs-latn-ba/azure/hdinsight/hadoop/apache-hadoop-introduction>

## QUESTION 22

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 plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to two or more scale sets.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

References: <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/regions-and-availability>

## QUESTION 23

Match the Azure service to the correct definition.

Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Answer Options	Answer Area
Azure Advisor	<input type="text"/> An integrated solution for the deployment of code
Azure Cognitive Services	<input type="text"/> A tool that provides guidance and recommendations to improve an Azure environment
Azure Application Insights	<input type="text"/> A simplified tool to build intelligent Artificial Intelligence (AI) applications
Azure DevOps	<input type="text"/> Monitors web applications

Correct Answer:

Answer Options	Answer Area
<input type="text"/>	Azure DevOps An integrated solution for the deployment of code
<input type="text"/>	Azure Advisor A tool that provides guidance and recommendations to improve an Azure environment
<input type="text"/>	Azure Cognitive Services A simplified tool to build intelligent Artificial Intelligence (AI) applications
<input type="text"/>	Azure Application Insights Monitors web applications

## QUESTION 24

### HOTSPOT

You have an Azure environment that contains 10 web apps. To which URL should you connect to manage all the Azure resources? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

https://   com

admin.	azure.
portal.	azurewebsites.
www.	microsoft.

Correct Answer:

## Answer Area

https://   com

admin.	azure.
portal.	azurewebsites.
www.	microsoft.

### QUESTION 25

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.

Your company plans to migrate all its data and resources to Azure.

The company's migration plan states that only platform as a service (PaaS) solutions must be used in Azure.

You need to deploy an Azure environment that supports the planned migration.

Solution: You create an Azure App Service and Azure SQL databases.

Does this meet the goal?



A. Yes

B. No

Correct Answer: A

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#### QUESTION 26

This question requires that you evaluate the underlined text to determine if it is correct.

After you create a virtual machine, you need to modify the network security group (NSG) to allow connections from TCP port 8080.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

A. No change is needed

B. virtual network gateway

C. virtual network

D. route table

Correct Answer: A

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#### QUESTION 27

Which Azure service should you use to store certificates?

A. Azure Security Center

B. an Azure Storage account

C. Azure Key Vault

D. Azure Information Protection

Correct Answer: C

References: <https://docs.microsoft.com/en-us/azure/key-vault/key-vault-overview>

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#### QUESTION 28

In which Azure support plans can you open a new support request?

A. Premier and Professional Direct only

B. Premier, Professional Direct, and Standard only

- C. Premier, Professional Direct, Standard, and Developer only
- D. Premier, Professional Direct, Standard, Developer, and Basic

Correct Answer: C

References: <https://azure.microsoft.com/en-us/support/plans/>

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### QUESTION 29

This question requires that you evaluate the underlined text to determine if it is correct.

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines to the same Azure region.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. by using the same Azure Resource Manager template
- C. to the same resource group
- D. to the same availability zone

Correct Answer: C

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### QUESTION 30

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.

Your company has an Azure subscription that contains the following unused resources: 20 user accounts in Azure Active Directory (Azure AD) Five groups in Azure AD 10 public IP addresses 10 network interfaces

You need to reduce the Azure costs for the company.

Solution: You remove the unused groups.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

References: <https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations#reduce-costs-by-deleting-or-reconfiguring-idle-virtual-network-gateways>

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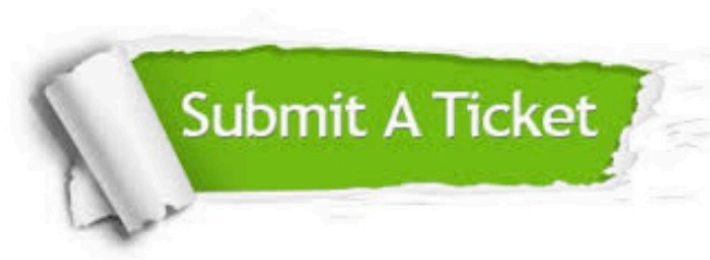
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