

**AZ-900.73q**

Number: AZ-900  
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**Microsoft Azure Fundamentals**

## Sections

1. Understand Cloud Concepts
2. Understand Core Azure Services
3. Understand Security, Privacy, Compliance and Trust
4. Understand Azure Pricing and Support

## Exam A

### QUESTION 1

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

An organization that hosts its infrastructure in a private cloud can decommission its data center.

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.



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- A. No change is needed.
- B. in a hybrid cloud
- C. in the public cloud
- D. on a Hyper-V host

**Correct Answer: C**

**Section: Understand Cloud Concepts**

**Explanation**

**Explanation/Reference:**

### QUESTION 2

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

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**

### QUESTION 3

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

When planning to migrate a public website to Azure, you must plan to pay monthly usage costs.

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. Deploy a VPN
- C. pay to transfer all the website data to Azure
- D. reduce the number of connections to the website

**Correct Answer:** A

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**

### QUESTION 4

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

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

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**

**Section: Understand Cloud Concepts**

**Explanation**

**Explanation/Reference:**



## 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 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 virtual machines that have Microsoft SQL Server installed.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer: B**

**Section: Understand Cloud Concepts**

**Explanation**

**Explanation/Reference:**

### QUESTION 6

You have an on-premises network that contains 100 servers.

You need to recommend a solution that provides additional resources to your users. The solution must minimize capital and operational expenditure costs.

What should you include in the recommendation?

- A. a complete migration to the public cloud
- B. an additional data center
- C. a private cloud
- D. a hybrid cloud



**Correct Answer: C**

**Section: Understand Cloud Concepts**

**Explanation**

**Explanation/Reference:**

### QUESTION 7

You plan to migrate several servers from an on-premises network to Azure.

You need to identify the primary benefit of using a public cloud service for the servers.

What should you identify?

- A. The public cloud is owned by the public, **NOT** a private corporation
- B. The public cloud is a crowd-sourcing solution that provides corporations with the ability to enhance the cloud
- C. All public cloud resources can be freely accessed by every member of the public

D. The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud

**Correct Answer:** D

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**

### QUESTION 8

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**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

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**

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

### QUESTION 9

**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 availability zones.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**

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

#### QUESTION 10

**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 regions.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**

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

**QUESTION 11**

You have 1,000 virtual machines hosted on the Hyper-V hosts in a data center.

You plan to migrate all the virtual machines to an Azure pay-as-you-go subscription.

You need to identify which expenditure model to use for the planned Azure solution.

Which expenditure model should you identify?

- A. operational
- B. elastic
- C. capital D. scalable

**Correct Answer:** A

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/architecture/cloud-adoption/appendix/azure-scaffold>

**QUESTION 12**

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 resources can only access other resources in the same resource group.	<input type="radio"/>	<input type="radio"/>
If you delete a resource group, all the resources in the resource group will be deleted.	<input type="radio"/>	<input type="radio"/>
A resource group can contain resources from multiple Azure regions.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements

Yes

No

Azure resources can only access other resources in the same resource group.

If you delete a resource group, all the resources in the resource group will be deleted.

A resource group can contain resources from multiple Azure regions.

### Section: Understand Cloud Concepts

#### Explanation

#### Explanation/Reference:

Explanation:

Box 1: No

A resource can interact with resources in other resource groups.



Box 2: Yes

Deleting the resource group will remove the resource group as well as all the resources in that resource group.

Box 3: Yes

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview> <https://www.codeisahighway.com/effective-ways-to-delete-resources-in-a-resource-group-on-azure/>

#### QUESTION 13

Your company has an on-premises network that contains multiple servers.

The company plans to reduce the following administrative responsibilities of network administrators:

- Backing up application data
- Replacing failed server hardware
- Managing physical server security
- Updating server operating systems

- Managing permissions to shared documents

The company plans to migrate several servers to Azure virtual machines.

You need to identify which administrative responsibilities will be reduced after the planned migration.

Which two responsibilities should you identify? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

- A. Replacing failed server hardware
- B. Backing up application data
- C. Managing physical server security
- D. Updating server operating systems
- E. Managing permissions to shared documents

**Correct Answer:** AC

**Section:** Understand Cloud Concepts

**Explanation**

**Explanation/Reference:**



#### **QUESTION 14**

Your company plans to deploy an Artificial Intelligence (AI) solution in Azure.

What should the company use to build, test, and deploy predictive analytics solutions?

- A. Azure Logic Apps
- B. Azure Machine Learning Studio
- C. Azure Batch
- D. Azure Cosmos DB

**Correct Answer:** B

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

**QUESTION 15**

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

Azure policies provide a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

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. Resource groups provide
- C. Azure Resource Manager provides
- D. Management groups provide

**Correct Answer:** C

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

**QUESTION 16**

Your company has several business units.

Each business unit requires 20 different Azure resources for daily operation. All the business units require the same type of Azure resources.

You need to recommend a solution to automate the creation of the Azure resources.

What should you include in the recommendations?

- A. Azure Resource Manager templates
- B. virtual machine scale sets
- C. the Azure API Management service
- D. management groups

**Correct Answer:** A

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

### QUESTION 17

Which Azure service should you use to correlate events from multiple resources into a centralized repository?



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- A. Azure Event Hubs
- B. Azure Analysis Services
- C. Azure Monitor
- D. Azure Log Analytics

**Correct Answer:** D

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**



### QUESTION 18

**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 environment. You need to create a new Azure virtual machine from an Android laptop.

Solution: You use PowerShell in Azure Cloud Shell.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### **QUESTION 19**

**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 environment. You need to create a new Azure virtual machine from an Android laptop.

Solution: You use the PowerApps portal.

Does this meet the goal?

A. Yes

B. No



**Correct Answer:** B

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### **QUESTION 20**

**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 environment. You need to create a new Azure virtual machine from an Android laptop.

Solution: You use the Azure portal.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

### QUESTION 21

A team of developers at your company plans to deploy, and then remove, 50 customized virtual machines each week. Thirty of the virtual machines run Windows Server 2016 and 20 of the virtual machines run Ubuntu Linux.

You need to recommend which Azure service will minimize the administrative effort required to deploy and remove the virtual machines.

What should you recommend?

- A. Azure Reserved Virtual Machines (VM) Instances
- B. Azure virtual machine scale sets
- C. Azure DevTest Labs
- D. Microsoft Managed Desktop



**Correct Answer:** C

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

### QUESTION 22

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

One of the benefits of Azure SQL Data Warehouse is that high availability is built into the platform.

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. automatic scaling

- C. data compression
- D. versioning

**Correct Answer:** A

**Section: Understand Core Azure Services**

**Explanation**

**Explanation/Reference:**

### QUESTION 23

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

**Section: Understand Core Azure Services**

**Explanation**

**Explanation/Reference:**

### QUESTION 24

You plan to store 20 TB of data in Azure. The data will be accessed infrequently and visualized by using Microsoft Power BI.

You need to recommend a storage solution for the data.

Which two solutions should you recommend? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

- A. Azure Data Lake
- B. Azure Cosmos DB
- C. Azure SQL Data Warehouse
- D. Azure SQL Database
- E. Azure Database for PostgreSQL

**Correct Answer:** AC

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 25

You need to identify the type of failure for which an Azure availability zone can be used to protect access to Azure services.

What should you identify?

- A. a physical server failure
- B. an Azure region failure
- C. a storage failure
- D. an Azure data center failure



**Correct Answer:** D

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 26

You have a virtual machine named VM1 that runs Windows Server 2016. VM1 is in the East US Azure region.

Which Azure service should you use from the Azure portal to view service failure notifications that can affect the availability of VM1?

- A. Azure Service Fabric
- B. Azure Monitor

- C. Azure virtual machines
- D. Azure Advisor

**Correct Answer:** B

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 27

**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

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 28

**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 macOS and has PowerShell Core 6.0 installed.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 29

You have an Azure environment that contains 10 virtual networks and 100 virtual machines.

You need to limit the amount of inbound traffic to all the Azure virtual networks.

What should you create?

- A. one network security group (NSG)
- B. 10 virtual network gateways
- C. 10 Azure ExpressRoute circuits
- D. one Azure firewall

**Correct Answer:** D

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 30

You have an Azure environment that contains multiple Azure virtual machines.

You plan to implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines. You need to recommend which Azure resources must be created for the planned solution.

Which two Azure resources should you include in the recommendation? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. a virtual network gateway
- B. a load balancer
- C. an application gateway
- D. a virtual network
- E. a gateway subnet

**Correct Answer:** DE

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/office365/enterprise/connect-an-on-premises-network-to-a-microsoft-azure-virtual-network>



### QUESTION 31

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	Answer Area
Azure HDInsight	Azure SQL Database
Azure Data Lake Analytics	Azure SQL Data Warehouse
Azure SQL Data Warehouse	Azure SQL Data Warehouse
Azure SQL Database	Azure HDInsight

## Section: Understand Core Azure Services

### Explanation

#### Explanation/Reference:

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-](https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-overview-what-is)

[is https://docs.microsoft.com/bs-latn-ba/azure/hdinsight/hadoop/apache-hadoop-introduction](https://docs.microsoft.com/bs-latn-ba/azure/hdinsight/hadoop/apache-hadoop-introduction)

### QUESTION 32

**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 environment.

You need to create a new Azure virtual machine from an Android laptop.

Solution: You use Bash in Azure Cloud Shell.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer: B**

**Section: Understand Core Azure Services**

**Explanation**

**Explanation/Reference:**

### QUESTION 33

Your company plans to move several servers to Azure.

The company's compliance policy states that a server named FinServer must be on a separate network segment.

You are evaluating which Azure services can be used to meet the compliance policy requirements.

Which Azure solution should you recommend?

- A. a resource group for FinServer and another resource group for all the other servers
- B. a virtual network for FinServer and another virtual network for all the other servers
- C. a VPN for FinServer and a virtual network gateway for each other server
- D. one resource group for all the servers and a resource lock for FinServer

**Correct Answer: B**

**Section: Understand Core Azure Services**

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-vnet-plan-design-arm>

### QUESTION 34

You plan to map a network drive from several computers that run Windows 10 to Azure Storage. You need to create a storage solution in Azure for the planned mapped drive.

What should you create?

- A. an Azure SQL database
- B. a virtual machine data disk
- C. a Files service in a storage account
- D. a Blobs service in a storage account

**Correct Answer: C**

**Section: Understand Core Azure Services**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 35**

Your company plans to migrate all its network resources to Azure.

You need to start the planning process by exploring Azure.

What should you create first?

- A. a subscription
- B. a resource group
- C. a virtual network
- D. a management group

**Correct Answer: A**

**Section: Understand Core Azure Services**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 36**

You have an on-premises application that sends email notifications automatically based on a rule.

You plan to migrate the application to Azure.

You need to recommend a serverless computing solution for the application.

What should you include in the recommendation?

- A. a web app
- B. a server image in Azure Marketplace
- C. a logic app
- D. an API app

**Correct Answer:** C

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 37

Your company plans to deploy several million sensors that will upload data to Azure.

You need to identify which Azure resources must be created to support the planned solution.

Which two Azure resources should you identify? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. Azure Data Lake
- B. Azure Queue storage
- C. Azure File Storage
- D. Azure IoT Hub
- E. Azure Notification Hubs

**Correct Answer:** BD

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

#### QUESTION 38

You have an Azure web app.

You need to manage the settings of the web app from an iPhone.

What are two Azure management tools that you can use? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

- A. Azure CLI
- B. the Azure portal
- C. Azure Cloud Shell
- D. Windows PowerShell
- E. Azure Storage Explorer

**Correct Answer:** AC

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-macos?view=azure-cli-latest>

<http://www.deployazure.com/management/managing-azure-from-ipad/>

### QUESTION 39

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

You have an application that is comprised of an Azure web app that has a Service Level Agreement (SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent.

The composite SLA for the application is the product of both SLAs, which equals 99.94 percent.

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. the lowest SLA associated to the application, which is 99.95 percent
- C. the highest SLA associated to the application, which is 99.99 percent
- D. the difference between the two SLAs, which is 0.05 percent

**Correct Answer:** A

**Section:** Understand Core Azure Services

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/architecture/reliability/requirements#understand-service-level-agreements>

#### QUESTION 40

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

If a resource group named RG1 has a delete lock, only a member of the global administrators group can delete RG1.

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. the delete lock must be removed before an administrator
- C. an Azure policy must be modified before an administrator
- D. an Azure tag must be added before an administrator



**Correct Answer:** B

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

#### QUESTION 41

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

Azure Germany can be used by legal residents of Germany only.

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. only enterprises that are registered in Germany
- C. only enterprises that purchase their azure licenses from a partner based in Germany

D. any user or enterprise that requires its data to reside in Germany

**Correct Answer:** D

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/germany/germany-welcome?toc=%2fazure%2fgermany%2ftoc.json>

#### QUESTION 42

**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 firewall.

Does this meet the goal?

A. Yes

B. No

**Correct Answer:** A

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

#### QUESTION 43

**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

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

#### QUESTION 44

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

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

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

#### QUESTION 45

You need to ensure that when Azure Active Directory (Azure AD) users connect to Azure AD from the Internet by using an anonymous IP address, the users are prompted automatically to change their password.

Which Azure service should you use?

- A. Azure AD Connect Health
- B. Azure AD Privileged Identity Management
- C. Azure Advanced Threat Protection (ATP)
- D. Azure AD Identity Protection

**Correct Answer:** D

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy>

#### **QUESTION 46**

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

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

#### **QUESTION 47**

To what should an application connect to retrieve security tokens?

- A. an Azure Storage account
- B. Azure Active Directory (Azure AD)
- C. a certificate store

D. an Azure key vault

**Correct Answer:** B

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

#### QUESTION 48

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

Resource groups provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.

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. Management groups
- C. Azure policies
- D. Azure App Service plans



**Correct Answer:** C

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

#### QUESTION 49

Your network contains an Active Directory forest. The forest contains 5,000 user accounts.

Your company plans to migrate all network resources to Azure and to decommission the on-premises data center.

You need to recommend a solution to minimize the impact on users after the planned migration.

What should you recommend?

- A. Implement Azure Multi-Factor Authentication (MFA)
- B. Sync all the Active Directory user accounts to Azure Active Directory (Azure AD)

- C. Instruct all users to change their password
- D. Create a guest user account in Azure Active Directory (Azure AD) for each user

**Correct Answer:** B

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

### **QUESTION 50**

**HOTSPOT**

You create a resource group named RG1 in Azure Resource Manager.

You need to prevent the deletion of the resources in RG1.

Which setting should you use? To answer, select the appropriate setting in the answer area.



<https://www.vceplus.com/>

**Hot Area:**

 **RG1**  
**Resource group**

Search (Ctrl + /) <<

 Overview

 Activity log

 Access control (IAM)

 Tags

 Events

**Settings**

 Quickstart

 Resource costs

 Deployments

 Policies

 Properties

 Locks

**Correct Answer:**



 **RG1**  
**Resource group**

Search (Ctrl + /) <<

 Overview

 Activity log

 Access control (IAM)

 Tags

 Events

**Settings**



Quickstart



Resource costs



Deployments



Policies



Properties



Locks

**Section: Understand Security, Privacy, Compliance and Trust**  
**Explanation**

**Explanation/Reference:**

**QUESTION 51**

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**

**Section: Understand Security, Privacy, Compliance and Trust**  
**Explanation**

**Explanation/Reference:**

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



**QUESTION 52**

You have a resource group named RG1.

You plan to create virtual networks and app services in RG1.

You need to prevent the creation of virtual machines only in RG1.

What should you use?

- A. a lock
- B. an Azure role
- C. a tag
- D. an Azure policy

**Correct Answer: A**

**Section: Understand Security, Privacy, Compliance and Trust**  
**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-lock-resources>

**QUESTION 53**

What can Azure Information Protection encrypt?

- A. network traffic
- B. documents and email messages
- C. an Azure Storage account
- D. an Azure SQL database

**Correct Answer: B**

**Section: Understand Security, Privacy, Compliance and Trust**

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/information-protection/compliance>  
<https://docs.microsoft.com/en-us/azure/information-protection/quickstart-label-dnf-protectedemail>

**QUESTION 54**

What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

- A. the Knowledge Center website
- B. the Advisor blade from the Azure portal
- C. Compliance Manager from the Security Trust Portal
- D. the Security Center blade from the Azure portal

**Correct Answer: D**

**Section: Understand Security, Privacy, Compliance and Trust**

**Explanation**

**Explanation/Reference:**

References: <https://azure.microsoft.com/en-us/blog/regulatory-compliance-dashboard-in-azure-security-center-now-available/>

### QUESTION 55

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

Your company implements Azure policies to automatically add a watermark to Microsoft Word documents that contain credit card information.

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. DDoS protection
- C. Azure Information Protection
- D. Azure Active Directory (Azure AD) Identity Protection

**Correct Answer:** C

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/azure/information-protection/infoprotect-quick-start-tutorial>



### QUESTION 56

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

From Azure Monitor, you can view which user turned off a specific virtual machine during the last 14 days.

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. Azure Event Hubs
- C. Azure Activity Log
- D. Azure Service Health

**Correct Answer:** C

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-audit>

### QUESTION 57

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

You have an Azure virtual network named VNET1 in a resource group named RG1.

You assign an Azure policy specifying that virtual networks are not an allowed resource type in RG1. VNET1 is deleted automatically.

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. is moved automatically to another resource group
- C. continues to function normally
- D. is now a read-only object

**Correct Answer:** A

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**



**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/governance/policy/overview>

### QUESTION 58

**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

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

**QUESTION 59**

You need to configure an Azure solution that meets the following requirements:

- Secures websites from attacks
- Generates reports that contain details of attempted attacks

What should you include in the solution?

- A. Azure Firewall
- B. a network security group (NSG)
- C. Azure Information Protection
- D. DDoS protection

**Correct Answer:** D

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

**QUESTION 60**

Your company plans to migrate all on-premises data to Azure. You need to identify whether Azure complies with the company's regional requirements.

What should you use?

- A. the Knowledge Center
- B. Azure Marketplace
- C. the Azure portal
- D. the Trust Center

**Correct Answer:** D



**Section: Understand Security, Privacy, Compliance and Trust**  
**Explanation**

**Explanation/Reference:**

**QUESTION 61**

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

Azure Key Vault is used to store secrets for Azure Active Directory (Azure AD) user accounts.

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. Azure Active Directory (Azure AD) administrative accounts
- C. Personally Identifiable Information (PII)
- D. server applications

**Correct Answer: A**

**Section: Understand Security, Privacy, Compliance and Trust**  
**Explanation**



**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/key-vault/about-keys-secrets-and-certificates>

**QUESTION 62**

Your company plans to automate the deployment of servers to Azure.

Your manager is concerned that you may expose administrative credentials during the deployment.

You need to recommend an Azure solution that encrypts the administrative credentials during the deployment.

What should you include in the recommendation?

- A. Azure Key Vault
- B. Azure Information Protection
- C. Azure Security Center
- D. Azure Multi-Factor Authentication (MFA)

**Correct Answer:** A

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**

**Explanation/Reference:**

**QUESTION 63**

You plan to deploy several Azure virtual machines.

You need to control the ports that devices on the Internet can use to access the virtual machines.

What should you use?

- A. a network security group (NSG)
- B. an Azure Active Directory (Azure AD) role
- C. an Azure Active Directory group
- D. an Azure key vault

**Correct Answer:** A

**Section:** Understand Security, Privacy, Compliance and Trust

**Explanation**



**Explanation/Reference:**

Explanation:

Restricting Internet access to your VMs in Azure can be achieved by making use of Azure Network Security Groups.

References:

<https://scomandothergeekystuff.com/2018/04/02/blocking-internet-access-for-azure-vm/>

<https://docs.microsoft.com/en-us/azure/virtual-network/security-overview>

**QUESTION 64**

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

You have several virtual machines in an Azure subscription. You create a new subscription. The virtual machines cannot be moved to the new subscription.

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. The virtual machines can be moved to the new subscription
- C. The virtual machines can be moved to the new subscription only if they are all in the same resource group
- D. The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

**Correct Answer: B**

**Section: Understand Azure Pricing and Support**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 65**

You attempt to create several managed Microsoft SQL Server instances in an Azure environment and receive a message that you must increase your Azure subscription limits.

What should you do to increase the limits?

- A. Create a service health alert
- B. Upgrade your support plan
- C. Modify an Azure policy
- D. Create a new support request



**Correct Answer: D**

**Section: Understand Azure Pricing and Support**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 66**

Your company plans to migrate to Azure. The company has several departments. All the Azure resources used by each department will be managed by a department administrator.

You need to recommend an Azure deployment that provides the ability to segment Azure for the departments. The solution must minimize administrative effort.

What should you include in the recommendation?

- A. multiple subscriptions
- B. multiple Azure Active Directory (Azure AD) directories

- C. multiple regions
- D. multiple resource groups

**Correct Answer:** A

**Section:** Understand Azure Pricing and Support

**Explanation**

**Explanation/Reference:**

#### QUESTION 67

**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 network interfaces.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Section:** Understand Azure Pricing and Support

**Explanation**

**Explanation/Reference:**

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

### QUESTION 68

**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 user accounts.

Does this meet the goal?

- A. Yes
- B. No



**Correct Answer: B**

**Section: Understand Azure Pricing and Support**  
**Explanation**

**Explanation/Reference:**

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

### QUESTION 69

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

You can create an Azure support request from support.microsoft.com.

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. the Azure portal

- C. the Knowledge Center
- D. the Security & Compliance admin center

**Correct Answer:** B

**Section:** Understand Azure Pricing and Support

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/azure/azure-supportability/how-to-create-azure-support-request>

#### QUESTION 70

**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

**Section:** Understand Azure Pricing and Support

**Explanation**

**Explanation/Reference:**

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

**QUESTION 71**

What is guaranteed in an Azure Service Level Agreement (SLA)?

- A. uptime
- B. feature availability
- C. bandwidth
- D. performance

**Correct Answer:** B

**Section:** Understand Azure Pricing and Support

**Explanation**

**Explanation/Reference:**

References: <https://azure.microsoft.com/en-us/support/legal/sla/summary/>

**QUESTION 72**

**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 purchase Azure.

The company's support policy states that the Azure environment must provide an option to access support engineers by phone or email.

You need to recommend which support plan meets the support policy requirement.

Solution: Recommend a Standard support plan.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Section:** Understand Azure Pricing and Support

**Explanation**

**Explanation/Reference:**

Explanation:

The Standard, Professional Direct, and Premier support plans have technical support for engineers via email and phone.

References:

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

**QUESTION 73**

**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 purchase Azure.

The company's support policy states that the Azure environment must provide an option to access support engineers by phone or email.

You need to recommend which support plan meets the support policy requirement.

Solution: Recommend a Premier support plan.

Does this meet the goal?

A. Yes

B. No

**Correct Answer: A**

**Section: Understand Azure Pricing and Support**

**Explanation**

**Explanation/Reference:**

Explanation:

The Standard, Professional Direct, and Premier support plans have technical support for engineers via email and phone.

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





<https://www.vceplus.com/>

