

## **Exam A**

### **QUESTION 1**

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

When you are implementing a Software as a Service (SaaS) solution, you are responsible for configuring high availability.

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. defining scalability rules
- C. installing the SaaS solution
- D. configuring the SaaS solution

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

When you are implementing a Software as a Service (SaaS) solution, you are responsible for configuring the SaaS solution. Everything else is managed by the cloud provider.

SaaS requires the least amount of management. The cloud provider is responsible for managing everything, and the end user just uses the software.

Software as a service (SaaS) allows users to connect to and use cloud-based apps over the Internet. Common examples are email, calendaring and office tools (such as Microsoft Office 365).

SaaS provides a complete software solution which you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software and app data are located in the service provider's data center. The service provider manages the hardware and software and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well.

References:

<https://azure.microsoft.com/en-in/overview/what-is-saas/>

<https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/5-types-of-cloud-services>

### **QUESTION 2**

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

You plan to migrate all the servers to Azure.

You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period.

What should you include in the recommendation?

- A. fault tolerance
- B. elasticity
- C. scalability
- D. low latency

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Fault tolerance is the ability of a system to continue to function in the event of a failure of some of its components.

In this question, you could have servers that are replicated across datacenters.

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there are a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. With Availability Zones, Azure offers industry best 99.99% VM uptime SLA. By architecting your solutions to use replicated VMs in zones, you can protect your applications and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

References:

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

### QUESTION 3

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 close 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.

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

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

A private cloud is hosted in your datacenter. Therefore, you cannot close your datacenter if you are using a private cloud.

A public cloud is hosted externally, for example, in Microsoft Azure. An organization that hosts its infrastructure in a public cloud can close its data center.

Public cloud is the most common deployment model. In this case, you have no local hardware to manage or keep up-to-date ?everything runs on your cloud provider's hardware.

Microsoft Azure is an example of a public cloud provider.

In a private cloud, you create a cloud environment in your own datacenter and provide self-service access to compute resources to users in your organization. This offers a simulation of a public cloud to your users, but you remain completely responsible for the purchase and maintenance of the hardware and software services you provide.

References:

<https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models>

### QUESTION 4

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

**Explanation**

**Explanation/Reference:**

With the public cloud, you get pay-as-you-go pricing ?you pay only for what you use, no CapEx costs. With the public cloud, you have self-service management. You are responsible for the deployment and configuration of the cloud resources such as virtual machines or web sites. The underlying hardware that hosts the cloud resources is managed by the cloud provider.

**Incorrect Answers:**

A: You don't have dedicated hardware. The underlying hardware is shared so you could have multiple customers using cloud resources hosted on the same physical hardware.

B: Connections to the public cloud are secure.

C: Storage is not limited. You can have as much storage as you like.

**References:**

<https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models>

**QUESTION 5**

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****Explanation****Explanation/Reference:**

When planning to migrate a public website to Azure, you must plan to pay monthly usage costs. This is because Azure uses the pay-as-you-go model.

**Incorrect Answers:**

B: You do not need a VPN for Azure web sites.

C: You do not pay to transfer data into Azure web sites.

D: You do not need to reduce the number of connections to the website.

**QUESTION 6**

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 meets the company migration plan. Solution: You create an Azure App Service and Azure SQL databases.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer: A****Explanation****Explanation/Reference:**

Azure App Service and Azure SQL databases are examples of Azure PaaS solutions. Therefore, this solution does meet the goal.

**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.

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 meets the company migration plan.

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****Explanation****Explanation/Reference:**

Azure App Service is a PaaS (Platform as a Service) service. However, Azure virtual machines are an IaaS (Infrastructure as a Service) service. Therefore, this solution does not meet the goal.

**QUESTION 8**

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 meets the company migration plan.

Solution: You create an Azure App Service and Azure Storage accounts.

Does this meet the goal?

A. Yes

B. No

**Correct Answer: B****Explanation**

**Explanation/Reference:**

Azure App Service is a PaaS (Platform as a Service) service. However, Azure Storage accounts are an IaaS (Infrastructure as a Service) service. Therefore, this solution does not meet the goal. Azure Storage Accounts are IaaS, PaaS as Microsoft says is "a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications". So the answer is No because Storage is IaaS.

**QUESTION 9**

Your company hosts an accounting application named App1 that is used by all the customers of the company.

App1 has low usage during the first three weeks of each month and very high usage during the last week of each month.

Which benefit of Azure Cloud Services supports cost management for this type of usage pattern?

- A. high availability
- B. high latency
- C. elasticity
- D. load balancing

**Correct Answer: C****Explanation****Explanation/Reference:**

Elasticity in this case is the ability to provide additional compute resource when needed and reduce the compute resource when not needed to reduce costs. Autoscaling is an example of elasticity.

Elastic computing is the ability to quickly expand or decrease computer processing, memory and storage resources to meet changing demands without worrying about capacity planning and engineering for peak usage. Typically controlled by system monitoring tools, elastic computing matches the amount of resources allocated to the amount of resources actually needed without disrupting operations. With cloud elasticity, a company avoids paying for unused capacity or idle resources and doesn't have to worry about investing in the purchase or maintenance of additional resources and equipment.

**References:**

<https://azure.microsoft.com/en-gb/overview/what-is-elastic-computing/>

**QUESTION 10**

You plan to migrate a web application to Azure. The web application is accessed by external users.

You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application.

What should you include in the recommendation?

- A. Software as a Service (SaaS)
- B. Platform as a Service (PaaS)
- C. Infrastructure as a Service (IaaS)
- D. Database as a Service (DaaS)

**Correct Answer: B****Explanation****Explanation/Reference:**

Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises. App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile Services.

**References:**

<https://docs.microsoft.com/en-us/azure/security/fundamentals/paas-applications-using-app-services>

**QUESTION 11**

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:** D

**Explanation**

**Explanation/Reference:**

A hybrid cloud is a combination of a private cloud and a public cloud. Capital expenditure is the spending of money up-front for infrastructure such as new servers.

With a hybrid cloud, you can continue to use the on-premises servers while adding new servers in the public cloud (Azure for example). Adding new servers in Azure minimizes the capital expenditure costs as you are not paying for new servers as you would if you deployed new server on-premises.

Incorrect Answers:

A: A complete migration of 100 servers to the public cloud would involve a lot of operational expenditure (the cost of migrating all the servers).

B: An additional data center would involve a lot of capital expenditure (the cost of the new infrastructure).

C: A private cloud is hosted on on-premises servers so this would involve a lot of capital expenditure (the cost of the new infrastructure to host the private cloud).

**References:**

<https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models>

**QUESTION 12**

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

What is an advantage of using a public cloud service for the servers over an on-premises network?

- 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

**Explanation**

**Explanation/Reference:**

The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud. The hardware resources (servers, infrastructure etc.) are managed by the cloud provider. Multiple companies create resources such as virtual machines and virtual networks on the hardware resources.

Incorrect Answers:

A: The public cloud is not owned by the public. In the case of Microsoft Azure, the cloud is owned by Microsoft.

B: The public cloud is a not crowd-sourcing solution. In the case of Microsoft Azure, the cloud is owned by Microsoft.

C: It is not true that public cloud resources can be freely accessed by every member of the public. You pay for a cloud subscription and create accounts for your users to access your cloud resources. No one can access your cloud resources until you create user accounts and provide the appropriate access permissions.

### **QUESTION 13**

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**

**Explanation**

**Explanation/Reference:**

This answer does not specify that the scale set will be configured across multiple data centers so this solution does not meet the goal.

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

Virtual machines in a scale set can be deployed across multiple update domains and fault domains to maximize availability and resilience to outages due to data center outages, and planned or unplanned maintenance events.

Reference:

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

### **QUESTION 14**

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**  
**Explanation**

**Explanation/Reference:**

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region.

Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

Reference:

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

**QUESTION 15**

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: A**  
**Explanation**

**Explanation/Reference:**

By deploying the virtual machines to two or more regions, you are deploying the virtual machines to multiple datacenters. This will ensure that the services running on the virtual machines are available if a single data center fails.

Azure operates in multiple datacenters around the world. These datacenters are grouped in to geographic regions, giving you flexibility in choosing where to build your applications. You create Azure resources in defined geographic regions like 'West US', 'North Europe', or 'Southeast Asia'. You can review the list of regions and their locations. Within each region, multiple datacenters exist to provide for redundancy and availability.

Reference:

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

**QUESTION 16**

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

**Explanation**

**Explanation/Reference:**

One of the major changes that you will face when you move from on-premises cloud to the public cloud is the switch from capital expenditure (buying hardware) to operating expenditure (paying for service as you use it). This switch also requires more careful management of your costs. The benefit of the cloud is that you can fundamentally and positively affect the cost of a service you use by merely shutting down or resizing it when it's not needed.

References:

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

### **QUESTION 17**

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

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

1. Backing up application data
2. Replacing failed server hardware
3. Managing physical server security
4. Updating server operating systems
5. 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 eliminated 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

**Explanation**

**Explanation/Reference:**

Azure virtual machines run on Hyper-V physical servers. The physical servers are owned and managed by Microsoft. As an Azure customer, you have no access to the physical servers. Microsoft manage the replacement of failed server hardware and the security of the physical servers so you don't need to.

Incorrect Answers:

B: Microsoft have no control over the applications you run on the virtual machines. Therefore, it is your responsibility to ensure that application data is backed up.

D: Microsoft do not manage the operating systems you run on the virtual machines. Therefore, it is your responsibility to ensure that the operating systems are updated.

E: Microsoft have no control over the shared folders you host on the virtual machines. Therefore, it is your responsibility to ensure that folder permissions are configured appropriately.

**QUESTION 18**

You plan to provision Infrastructure as a Service (IaaS) resources in Azure.

Which resource is an example of IaaS?

- A. an Azure web app
- B. an Azure virtual machine
- C. an Azure logic app
- D. an Azure SQL database

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

An Azure virtual machine is an example of Infrastructure as a Service (IaaS).

Azure web app, Azure logic app and Azure SQL database are all examples of Platform as a Service (PaaS).

References:

<https://azure.microsoft.com/en-gb/overview/what-is-iaas/>  
<https://azure.microsoft.com/en-gb/overview/what-is-paas/>

**QUESTION 19**

A team of developers at your company plans to deploy, and then remove, 50 virtual machines each week. All the virtual machines are configured by using Azure Resource Manager templates.

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 Machine (VM) Instances
- B. Azure DevTest Labs
- C. Azure virtual machine scale sets
- D. Microsoft Managed Desktop

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates. By using DevTest Labs, you can test the latest versions of your applications by doing the following tasks:

1. Quickly provision Windows and Linux environments by using reusable templates and artifacts.
2. Easily integrate your deployment pipeline with DevTest Labs to provision on-demand environments.
3. Scale up your load testing by provisioning multiple test agents and create pre-provisioned environments for training and demos.

Reference:

<https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-overview>

**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 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 resource groups.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

A resource group is a logical container for Azure resources. When you create a resource group, you specify which location to create the resource group in. However, when you create a virtual machine and place it in the resource group, the virtual machine can still be in a different location (different datacenter). Therefore, creating multiple resource groups, even if they are in separate datacenters does not ensure that the services running on the virtual machines are available if a single data center fails.

References:

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

**QUESTION 21**

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 a scale set.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

This answer does not specify that the scale set will be configured across multiple data centers so this solution does not meet the goal.

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

Virtual machines in a scale set can be deployed across multiple update domains and fault domains to maximize availability and resilience to outages due to data center outages, and planned or unplanned maintenance events.

Reference:

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

**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.

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 meets the company migration plan.

Solution: You create an Azure virtual machines, Azure SQL databases, and Azure Storage accounts.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Platform as a service (PaaS) is a complete development and deployment environment in the cloud. PaaS includes infrastructure--servers, storage, and networking--but also middleware, development tools, business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating.

References:

<https://azure.microsoft.com/en-us/overview/what-is-paas/>

**QUESTION 23**

Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed.

You need to recommend a cloud deployment solution for all the applications.

What should you recommend?

- A. Software as a Service (SaaS)
- B. Platform as a Service (PaaS)
- C. Infrastructure as a Service (IaaS)

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Infrastructure as a service (IaaS) is an instant computing infrastructure, provisioned and managed over the internet. The IaaS service provider manages the infrastructure, while you purchase, install, configure, and manage your own software.

Incorrect Answers:

A: Software as a service (SaaS) allows users to connect to and use cloud-based apps over the Internet. Common examples are email, calendaring, and office tools. In this scenario, you need to run your own apps, and therefore require an infrastructure.

B:

Platform as a service (PaaS) is a complete development and deployment environment in the cloud. PaaS includes infrastructure--servers, storage, and networking--but also middleware, development tools,

business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating.

References:

<https://azure.microsoft.com/en-us/overview/what-is-iaas/>  
<https://azure.microsoft.com/en-us/overview/what-is-saas/>  
<https://azure.microsoft.com/en-us/overview/what-is-paas/>

**QUESTION 24**

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

Azure Cosmos DB is an example of a **platform as a service (PaaS)** offering.

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. infrastructure as a service (IaaS)
- C. serverless
- D. software as a service (SaaS)

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Azure Cosmos DB is an example of a platform as a service (PaaS) cloud database provider.

References:

<https://docs.microsoft.com/en-us/azure/cosmos-db/database-security>

**QUESTION 25**

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

An Azure region **contains one or more data centers that are connected by using a low-latency network.**

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 found in each country where Microsoft has a subsidiary office
- C. Can be found in every country in Europe and the Americas only
- D. Contains one or more data centers that are connected by using a high-latency network

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

A region is a set of data centres deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.

Microsoft Azure currently has 55 regions worldwide.

Regions are divided into Availability Zones. Availability Zones are physically separate locations within an Azure region. Each Availability Zone is made up of one or more datacenters equipped with independent power, cooling, and networking.

References:

<https://azure.microsoft.com/en-gb/global-infrastructure/regions/>

**QUESTION 26**

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

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must be deployed to a separate virtual network.

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. run a different operating system than the other virtual machines
- C. be deployed to a separate resource group
- D. have two network interfaces

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Azure automatically routes traffic between subnets in a virtual network. Therefore, all virtual machines in a virtual network can connect to the other virtual machines in the same virtual network. Even if the virtual machines are on separate subnets within the virtual network, they can still communicate with each other.

To ensure that a virtual machine cannot connect to the other virtual machines, the virtual machine must be deployed to a separate virtual network.

References:

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

**QUESTION 27**

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

**Explanation**

**Explanation/Reference:**

A resource group is a logical container for Azure resources. Resource groups make the management of Azure resources easier.

With a resource group, you can allow a user to manage all resources in the resource group, such as virtual machines, websites, and subnets. The permissions you apply to the resource group apply to all resources contained in the resource group.

References:

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

<https://docs.microsoft.com/en-us/azure/role-based-access-control/overview>

**QUESTION 28**

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

**Explanation**

**Explanation/Reference:**

DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates.

By using DevTest Labs, you can test the latest versions of your applications by doing the following tasks:

1. Quickly provision Windows and Linux environments by using reusable templates and artifacts.
2. Easily integrate your deployment pipeline with DevTest Labs to provision on-demand environments.
3. Scale up your load testing by provisioning multiple test agents and create pre-provisioned environments for training and demos.

Reference:

<https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-overview>

### **QUESTION 29**

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

**Explanation**

**Explanation/Reference:**

Azure Data Warehouse (now known as Azure Synapse Analytics) is a PaaS offering from Microsoft. As with all PaaS services from Microsoft, SQL Data Warehouse offers an availability SLA of 99.9%. Microsoft can offer 99.9% availability because it has high availability features built into the platform.

References:

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

### **QUESTION 30**

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

**Explanation**

**Explanation/Reference:**

For Windows the Azure CLI is installed via an MSI, which gives you access to the CLI through the Windows Command Prompt (CMD) or PowerShell.

References:

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

**QUESTION 31**

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

**Explanation**

**Explanation/Reference:**

You can use Power BI to analyze and visualize data stored in Azure Data Lake and Azure SQL Data Warehouse.

Azure Data Lake includes all of the capabilities required to make it easy for developers, data scientists and analysts to store data of any size and shape and at any speed, and do all types of processing and analytics across platforms and languages. It removes the complexities of ingesting and storing all your data while making it faster to get up and running with batch, streaming and interactive analytics. It also integrates seamlessly with operational stores and data warehouses so that you can extend current data applications.

References:

<https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi>

<https://azure.microsoft.com/en-gb/solutions/data-lake/>

<https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi>

**QUESTION 32**

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

**Explanation**

**Explanation/Reference:**

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region.

Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

Reference:

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

**QUESTION 33**

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:** C

**Explanation**

**Explanation/Reference:**

In the Azure virtual machines page in the Azure portal, there is a named Maintenance Status. This column will display service issues that could affect your virtual machine. A service failure is rare but host server maintenance that could affect your virtual machines is more common.

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

References:

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

**QUESTION 34**

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 Linux and has the Azure CLI tools installed.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.

PowerShell can now be installed on Linux. However, the question states that the computer has Azure CLI tools, not PowerShell installed. Therefore, this solution does not meet the goal.

References:

<https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6>

**QUESTION 35**

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:** A

**Explanation**

**Explanation/Reference:**

A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.

With the Azure Cloud Shell, you can run PowerShell cmdlets and scripts in a Web browser. You log in to the Azure Portal and select the Azure Cloud Shell option. This will open a PowerShell session in the Web browser. The Azure Cloud Shell has the necessary Azure PowerShell module installed.

Note: to run a PowerShell script in the Azure Cloud Shell, you need to change to the directory where the PowerShell script is stored.

References:

<https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart-powershell>

**QUESTION 36**

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

**Explanation**

**Explanation/Reference:**

A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.

In this question, the computer has PowerShell Core 6.0 installed. Therefore, this solution does meet the goal.

Note: To create Azure resources using PowerShell, you would need to import the Azure PowerShell module which includes the PowerShell cmdlets required to create the resources.

References:

<https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6>

### **QUESTION 37**

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

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

You can restrict traffic to multiple virtual networks with a single Azure firewall.

Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.

You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network.

References:

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

### **QUESTION 38**

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:** AE

**Explanation**

**Explanation/Reference:**

To implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines, you need to configure a VPN (Virtual Private Network) to connect the on-premises network to the Azure virtual network.

The Azure VPN device is known as a Virtual Network Gateway. The virtual network gateway needs to be located in a dedicated subnet in the Azure virtual network. This dedicated subnet is known as a gateway subnet and must be named 'GatewaySubnet'.

Note: a virtual network (answer D) is also required. However, as we already have virtual machines deployed in a Azure, we can assume that the virtual network is already in place.

**References:**

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

### **QUESTION 39**

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 a tablet that runs the Android operating system.

Solution: You use Bash in Azure Cloud Shell.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

With Azure Cloud Shell, you can create virtual machines using Bash or PowerShell.

Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell.

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart>  
<https://docs.microsoft.com/en-us/azure/cloud-shell/overview>

### **QUESTION 40**

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

**Explanation**

**Explanation/Reference:**

Networks in Azure are known as virtual networks. A virtual network can have multiple IP address spaces and multiple subnets. Azure automatically routes traffic between different subnets within a virtual network. The question states that FinServer must be on a separate network segment. The only way to separate FinServer from the other servers in networking terms is to place the server in a different virtual network to the other servers.

References:

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

#### **QUESTION 41**

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

**Explanation**

**Explanation/Reference:**

Azure Files is Microsoft's easy-to-use cloud file system. Azure file shares can be seamlessly used in Windows and Windows Server.

To use an Azure file share with Windows, you must either mount it, which means assigning it a drive letter or mount point path, or access it via its UNC path.

Unlike other SMB shares you may have interacted with, such as those hosted on a Windows Server, Linux Samba server, or NAS device, Azure file shares do not currently support Kerberos authentication with your Active Directory (AD) or Azure Active Directory (AAD) identity, although this is a feature we are working on. Instead, you must access your Azure file share with the storage account key for the storage account containing your Azure file share. A storage account key is an administrator key for a storage account, including administrator permissions to all files and folders within the file share you're accessing, and for all file shares and other storage resources (blobs, queues, tables, etc) contained within your storage account.

References:

<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-use-files-windows>

#### **QUESTION 42**

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

**Explanation**

**Explanation/Reference:**

The first thing you create in Azure is a subscription. You can think of an Azure subscription as an 'Azure account'. You get billed per subscription.

A subscription is an agreement with Microsoft to use one or more Microsoft cloud platforms or services, for which charges accrue based on either a per-user license fee or on cloud-based resource consumption.

Microsoft's Software as a Service (SaaS)-based cloud offerings (Office 365, Intune/EMS, and Dynamics 365) charge per-user license fees.

Microsoft's Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) cloud offerings (Azure) charge based on cloud resource consumption.

You can also use a trial subscription, but the subscription expires after a specific amount of time or consumption charges. You can convert a trial subscription to a paid subscription. Organizations can have multiple subscriptions for Microsoft's cloud offerings.

References:

<https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings>

#### **QUESTION 43**

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

**Explanation**

**Explanation/Reference:**

Azure Logic Apps is a cloud service that helps you schedule, automate, and orchestrate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across enterprises or organizations. Logic Apps simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on premises, or both.

For example, here are just a few workloads you can automate with logic apps:

1. Process and route orders across on-premises systems and cloud services.
2. Send email notifications with Office 365 when events happen in various systems, apps, and services.
3. Move uploaded files from an SFTP or FTP server to Azure Storage.
4. Monitor tweets for a specific subject, analyze the sentiment, and create alerts or tasks for items that need review.

References:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview>

**QUESTION 44**

You plan to deploy a website to Azure. The website will be accessed by users worldwide and will host large video files.

You need to recommend which Azure feature must be used to provide the best video playback experience.

What should you recommend?

- A. an application gateway
- B. an Azure ExpressRoute circuit
- C. a content delivery network (CDN)
- D. an Azure Traffic Manager profile

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

The question states that users are located worldwide and will be downloading large video files. The video playback experience would be improved if they can download the video from servers in the same region as the users. We can achieve this by using a content deliver network.

A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.

Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For example, route optimization to bypass Border Gateway Protocol (BGP).

The benefits of using Azure CDN to deliver web site assets include:

1. Better performance and improved user experience for end users, especially when using applications in which multiple round-trips are required to load content.
2. Large scaling to better handle instantaneous high loads, such as the start of a product launch event.
3. Distribution of user requests and serving of content directly from edge servers so that less traffic is sent to the origin server.

References:

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

**QUESTION 45**

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: AD**

**Explanation**

**Explanation/Reference:**

IoT Hub (Internet of things Hub) provides data from millions of sensors. IoT Hub is a managed service, hosted in the cloud, that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages. You can use Azure IoT Hub to build IoT solutions with reliable and secure communications between millions of IoT devices and a cloud-hosted solution backend. You can connect virtually any device to IoT Hub.

There are two storage services IoT Hub can route messages to -- Azure Blob Storage and Azure Data Lake Storage Gen2 (ADLS Gen2) accounts. Azure Data Lake Storage accounts are hierarchical namespace-enabled storage accounts built on top of blob storage. Both of these use blobs for their storage.

**References:**

<https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub>  
<https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-devguide-messages-d2c>

**QUESTION 46**

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: BC****Explanation****Explanation/Reference:**

The Azure portal is the web-based portal for managing Azure. Being web-based, you can use the Azure portal on an iPhone.

Azure Cloud Shell is a web-based command line for managing Azure. You access the Azure Cloud Shell from the Azure portal. Being web-based, you can use the Azure Cloud Shell on an iPhone.

**Incorrect Answers:**

- A: Azure CLI can be installed on MacOS but it cannot be installed on an iPhone.
- D: Windows PowerShell can be installed on MacOS but it cannot be installed on an iPhone.
- E: Azure Storage Explorer is not used to manage Azure web apps.

**References:**

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

**QUESTION 47**

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

**Explanation**

**Explanation/Reference:**

Composite SLAs involve multiple services supporting an application, each with differing levels of availability. For example, consider an App Service web app that writes to Azure SQL Database. At the time of this writing, these Azure services have the following SLAs:

- 1. App Service web apps = 99.95%
- 2. SQL Database = 99.99%

What is the maximum downtime you would expect for this application? If either service fails, the whole application fails. The probability of each service failing is independent, so the composite SLA for this application is  $99.95\% \times 99.99\% = 99.94\%$ . That's lower than the individual SLAs, which isn't surprising because an application that relies on multiple services has more potential failure points.

References:

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

**QUESTION 48**

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

**Explanation**

**Explanation/Reference:**

Microsoft Azure Machine Learning Studio (classic) is a collaborative, drag-and-drop tool you can use to build, test, and deploy predictive analytics solutions on your data. Azure Machine Learning Studio (classic) publishes models as web services that can easily be consumed by custom apps or BI tools such as Excel.

Machine Learning Studio (classic) is where data science, predictive analytics, cloud resources, and your data meet.

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio/what-is-ml-studio>

**QUESTION 49**

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

Data that is stored in the Archive access tier of an Azure Storage account can be accessed at any time by using azcopy.exe.

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. can only be read by using Azure Backup
- C. must be restored before the data can be accessed

D. must be rehydrated before the data can be accessed

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Azure storage offers different access tiers: hot, cool and archive.

The archive access tier has the lowest storage cost. But it has higher data retrieval costs compared to the hot and cool tiers. Data in the archive tier can take several hours to retrieve.

While a blob is in archive storage, the blob data is offline and can't be read, overwritten, or modified. To read or download a blob in archive, you must first rehydrate it to an online tier.

Example usage scenarios for the archive access tier include:

Long-term backup, secondary backup, and archival datasets

Original (raw) data that must be preserved, even after it has been processed into final usable form.

Compliance and archival data that needs to be stored for a long time and is hardly ever accessed.

**References:**

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers?tabs=azure-portal#archive-access-tier>

**QUESTION 50**

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

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

You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1.

From Azure documentation, you have the following command that creates a virtual machine named VM1.

```
az vm create --resource-group RG1 --name VM1 --image  
UbuntuLTS --generate-ssh-keys
```

You need to create VM1 in Subscription1 by using the command.

Solution: From the Azure portal, launch Azure Cloud Shell and select PowerShell. Run the command in Cloud Shell.

Does this meet the goal?

A. Yes

B. No

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

The command can be run in the Azure Cloud Shell. Although this question says you select PowerShell rather than Bash, the Az commands will work in PowerShell.

The Azure Cloud Shell is a free interactive shell. It has common Azure tools preinstalled and configured to use with your account.

To open the Cloud Shell, just select Try it from the upper right corner of a code block. You can also launch Cloud Shell in a separate browser tab by going to <https://shell.azure.com/bash>.

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

### QUESTION 51

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.

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You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1.

From Azure documentation, you have the following command that creates a virtual machine named VM1.

```
az vm create --resource-group RG1 --name VM1 --image UbuntuLTS --generate-ssh-keys
```

You need to create VM1 in Subscription1 by using the command.

Solution: From a computer that runs Windows 10, install Azure CLI. From PowerShell, sign in to Azure and then run the command.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The command can be run from PowerShell or the command prompt if you have the Azure CLI installed.

References:

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

### QUESTION 52

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.

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From Azure documentation, you have the following command that creates a virtual machine named VM1.

```
az vm create --resource-group RG1 --name VM1 --image  
UbuntuLTS --generate-ssh-keys
```

You need to create VM1 in Subscription1 by using the command.

Solution: From a computer that runs Windows 10, install Azure CLI. From a command prompt, sign in to Azure and then run the command.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The command can be run from PowerShell or the command prompt if you have the Azure CLI installed.

References:

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

**QUESTION 53**

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 templates provides
- D. Management groups provide

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Azure Resource Manager templates provides a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

Azure policies are used to define rules for what can be deployed and how it should be deployed. Whilst this can help in ensuring consistency, Azure policies do not provide the common platform for deploying objects to a cloud infrastructure.

References:

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

**QUESTION 54**

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 Windows 10 and has the Azure PowerShell module installed.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be

run in PowerShell.

In this question, the computer has the Azure PowerShell module installed. Therefore, this solution does meet the goal.

References:

<https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6>

### QUESTION 55

Which service provides serverless computing in Azure?

- A. Azure Virtual Machines
- B. Azure Functions
- C. Azure storage account
- D. Azure Container Instances

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Azure Functions provide a platform for serverless code.

Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure.

References:

<https://docs.microsoft.com/en-us/azure/azure-functions/>

### QUESTION 56

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

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

You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1.

From Azure documentation, you have the following command that creates a virtual machine named VM1.

```
az vm create --resource-group RG1 --name VM1 --image UbuntuLTS --generate-ssh-keys
```

You need to create VM1 in Subscription1 by using the command.

Solution: From the Azure portal, launch Azure Cloud Shell and select Bash. Run the command in Cloud Shell.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

The command can be run in the Azure Cloud Shell.

The Azure Cloud Shell is a free interactive shell. It has common Azure tools preinstalled and configured to use with your account.

To open the Cloud Shell, just select Try it from the upper right corner of a code block. You can also launch Cloud Shell in a separate browser tab by going to <https://shell.azure.com/bash>.

References:

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

### QUESTION 57

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

**Explanation**

**Explanation/Reference:**

You can use Azure Resource Manager templates to automate the creation of the Azure resources. Deploying resource through templates is known as 'Infrastructure as code'.

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

References:

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

### QUESTION 58

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

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

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Azure Event Hubs is a big data streaming platform and event ingestion service. It can receive and process millions of events per second. Data sent to an event hub can be transformed and stored by using any real-time analytics provider or batching/storage adapters.

Azure Event Hubs can be used to ingest, buffer, store, and process your stream in real time to get actionable insights. Event Hubs uses a partitioned consumer model, enabling multiple applications to process the stream concurrently and letting you control the speed of processing.

Azure Event Hubs can be used to capture your data in near-real time in an Azure Blob storage or Azure Data Lake Storagefor long-term retention or micro-batch processing.

References:

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-about>

### **QUESTION 59**

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 a tablet that runs the Android operating system.

Solution: You use PowerShell in Azure Cloud Shell.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Azure Cloud Shell is a browser-based shell experience to manage and develop Azure resources.

Cloud Shell offers a browser-accessible, pre-configured shell experience for managing Azure resources without the overhead of installing, versioning, and maintaining a machine yourself.

Being browser-based, Azure Cloud Shell can be run on a browser from a tablet that runs the Android operating system.

References:

<https://docs.microsoft.com/en-us/azure/cloud-shell/features>

### **QUESTION 60**

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 a tablet that runs the Android operating system.

Solution: You use the PowerApps portal.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

PowerApps lets you quickly build business applications with little or no code. It is not used to create Azure virtual machines. Therefore, this solution does not meet the goal.

PowerApps Portals allow organizations to create websites which can be shared with users external to their organization either anonymously or through the login provider of their choice like LinkedIn, Microsoft

Account, other commercial login providers.

References:

<https://powerapps.microsoft.com/en-us/blog/introducing-powerapps-portals-powerful-low-code-websites-for-external-users/>

**QUESTION 61**

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 a tablet that runs the Android operating system.

Solution: You use the Azure portal.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The Azure portal is a web-based, unified console that provides an alternative to command-line tools. With the Azure portal, you can manage your Azure subscription using a graphical user interface. You can build, manage, and monitor everything from simple web apps to complex cloud deployments. Create custom dashboards for an organized view of resources. Configure accessibility options for an optimal experience.

Being web-based, the Azure portal can be run on a browser from a tablet that runs the Android operating system.

References:

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

**QUESTION 62**

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

Azure Databricks is an Apache Spark-based analytics service.

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 Data Factory
- C. Azure DevOps
- D. Azure HDInsight

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Azure Databricks is an Apache Spark-based analytics platform. The platform consists of several components including 'MLib'. Mlib is a Machine Learning library consisting of common learning algorithms and utilities, including classification, regression, clustering, collaborative filtering, dimensionality reduction, as well as underlying optimization primitives.

References:

<https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks#apache-spark-based-analytics-platform>

### QUESTION 63

Which Azure service provides a set of version control tools to manage code?

- A. Azure Repos
- B. Azure DevTest Labs
- C. Azure Storage
- D. Azure Cosmos DB

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Azure Repos is a set of version control tools that you can use to manage your code.

Incorrect Answers:

B: Azure DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates. These have all the necessary tools and software that you can use to create environments.

D: Azure Cosmos DB is Microsoft's globally distributed, multi-model database service.

References:

<https://docs.microsoft.com/en-us/azure/devops/repos/get-started/what-is-repos?view=azure-devops>

### QUESTION 64

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

Azure Site Recovery provides **fault tolerance** for virtual machines.

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. disaster recovery
- C. elasticity
- D. high availability

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Azure Site Recovery helps ensure business continuity by keeping business apps and workloads running during outages. Site Recovery replicates workloads running on physical and virtual machines (VMs) from a primary site to a secondary location.

References:

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

### QUESTION 65

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**

**Explanation**

**Explanation/Reference:**

Authentication, not authorization is the process of verifying a user's credentials.

The difference between authentication and authorization is:

1. Authentication is proving your identity, proving that you are who you say you are. The most common example of this is logging in to a system by providing credentials such as a username and password.
2. Authorization is what you're allowed to do once you've been authenticated. For example, what resources you're allowed to access and what you can do with those resources.

**QUESTION 66**

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

1. Secures websites from attacks
2. 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**

**Explanation**

**Explanation/Reference:**

DDoS is a type of attack that tries to exhaust application resources. The goal is to affect the application's availability and its ability to handle legitimate requests. DDoS attacks can be targeted at any endpoint that is publicly reachable through the internet.

Azure has two DDoS service offerings that provide protection from network attacks: DDoS Protection Basic and DDoS Protection Standard.

DDoS Basic protection is integrated into the Azure platform by default and at no extra cost.

You have the option of paying for DDoS Standard. It has several advantages over the basic service, including logging, alerting, and telemetry. DDoS Standard can generate reports that contain details of attempted attacks as required in this question.

References:

<https://docs.microsoft.com/en-us/azure/security/fundamentals/ddos-best-practices>

**QUESTION 67**

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**

**Explanation**

**Explanation/Reference:**

Azure has more than 90 compliance certifications, including over 50 specific to global regions and countries, such as the US, the European Union, Germany, Japan, the United Kingdom, India and China.

You can view a list of compliance certifications in the Trust Center to determine whether Azure meets your regional requirements.

**References:**

<https://azure.microsoft.com/en-gb/overview/trusted-cloud/compliance/>

<https://docs.microsoft.com/en-us/microsoft-365/compliance/get-started-with-service-trust-portal>

**QUESTION 68**

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:** D

**Explanation****Explanation/Reference:**

Centralizing storage of application secrets in Azure Key Vault allows you to control their distribution. Key Vault greatly reduces the chances that secrets may be accidentally leaked. When using Key Vault, application developers no longer need to store security information in their application. Not having to store security information in applications eliminates the need to make this information part of the code. For example, an application may need to connect to a database. Instead of storing the connection string in the app's code, you can store it securely in Key Vault.

**References:**

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

<https://docs.microsoft.com/en-us/learn/modules/manage-secrets-with-azure-key-vault/>

**QUESTION 69**

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

**Explanation****Explanation/Reference:**

Azure Key Vault is a secure store for storage various types of sensitive information. In this question, we would store the administrative credentials in the Key Vault. With this solution, there is no need to store the

administrative credentials as plain text in the deployment scripts.

All information stored in the Key Vault is encrypted.

Azure Key Vault can be used to securely store and tightly control access to tokens, passwords, certificates, API keys, and other secrets.

Secrets and keys are safeguarded by Azure, using industry-standard algorithms, key lengths, and hardware security modules (HSMs). The HSMs used are Federal Information Processing Standards (FIPS) 140-2 Level 2 validated.

Access to a key vault requires proper authentication and authorization before a caller (user or application) can get access. Authentication establishes the identity of the caller, while authorization determines the operations that they are allowed to perform.

References:

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

### **QUESTION 70**

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

**Explanation**

**Explanation/Reference:**

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

References:

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

### **QUESTION 71**

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

**Explanation**

**Explanation/Reference:**

You can configure a lock on a resource group to prevent the accidental deletion of the resource group. The lock applies to everyone, including global administrators. If you want to delete the resource group, the lock must be removed first.

As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to **CanNotDelete** or **ReadOnly**. In the portal, the locks are called **Delete** and **Read-only** respectively.

1. **CanNotDelete** means authorized users can still read and modify a resource, but they can't delete the resource.
2. **ReadOnly** means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the **Reader** role.

Reference:

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

**QUESTION 72**

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

**Explanation**

**Explanation/Reference:**

Azure Germany is available to eligible customers and partners globally who intend to do business in the EU/EFTA, including the United Kingdom.

Azure Germany offers a separate instance of Microsoft Azure services from within German datacenters. The datacenters are in two locations, Frankfurt/Main and Magdeburg. This placement ensures that customer data remains in Germany and that the datacenters connect to each other through a private network. All customer data is exclusively stored in those datacenters. A designated German company--the German data trustee--controls access to customer data and the systems and infrastructure that hold customer data.

References:

<https://docs.microsoft.com/en-us/azure/germany/germany>Welcome?toc=%2fazure%2fgermany%2ftoc.json>  
<https://docs.microsoft.com/en-us/azure/germany/germany-overview-data-trustee>

**QUESTION 73**

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 to TCP port 8080 on the virtual machine.

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**

**Explanation**

**Explanation/Reference:**

When you create a virtual machine, the default setting is to create a Network Security Group attached to the network interface assigned to a virtual machine.

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 8080.

References:

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

**QUESTION 74**

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 a network security group (NSG).

Does this meet the goal?

A. Yes

B. No

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 80 (HTTP).

References:

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

**QUESTION 75**

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 a DDoS protection plan.

Does this meet the goal?

A. Yes

B. No

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

DDoS is a form of attack on a network resource. A DDoS protection plan is used to protect against DDoS attacks; it does not provide connectivity to a virtual machine.

To ensure that a virtual machine named VM1 is accessible from the Internet over HTTP, you need to modify a network security group or Azure Firewall.

References:

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

## **QUESTION 76**

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**

**Explanation**

**Explanation/Reference:**

Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.

In this question, we need to add a rule to Azure Firewall to allow the connection to the virtual machine on port 80 (HTTP).

References:

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

### QUESTION 77

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

**Explanation**

**Explanation/Reference:**

Azure Traffic Manager is a DNS-based load balancing solution. It is not used to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

To ensure that a virtual machine named VM1 is accessible from the Internet over HTTP, you need to modify a network security group or Azure Firewall.

In this question, we need to add a rule to a network security group or Azure Firewall to allow the connection to the virtual machine on port 80 (HTTP).

References:

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

### QUESTION 78

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

**Explanation**

**Explanation/Reference:**

Azure Government is a cloud environment specifically built to meet compliance and security requirements for US government. This mission-critical cloud delivers breakthrough innovation to U.S. government customers and their partners. Azure Government applies to government at any level -- from state and local governments to federal agencies including Department of Defense agencies.

The key difference between Microsoft Azure and Microsoft Azure Government is that Azure Government is a sovereign cloud. It's a physically separated instance of Azure, dedicated to U.S. government workloads only. It's built exclusively for government agencies and their solution providers.

References:

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

### QUESTION 79

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

**Explanation**

**Explanation/Reference:**

Azure AD Identity Protection includes two risk policies: sign-in risk policy and user risk policy. A sign-in risk represents the probability that a given authentication request isn't authorized by the identity owner.

There are several types of risk detection. One of them is Anonymous IP Address. This risk detection type indicates sign-ins from an anonymous IP address (for example, Tor browser or anonymous VPN). These IP addresses are typically used by actors who want to hide their login telemetry (IP address, location, device, etc.) for potentially malicious intent.

You can configure the sign-in risk policy to require that users change their password.

References:

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

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/concept-identity-protection-risks>

### QUESTION 80

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

**Explanation**

**Explanation/Reference:**

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

References:

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

**QUESTION 81**

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:** D

**Explanation**

**Explanation/Reference:**

Azure AD authenticates users and provides access tokens. An access token is a security token that is issued by an authorization server. It contains information about the user and the app for which the token is intended, which can be used to access Web APIs and other protected resources.

Instead of creating apps that each maintain their own username and password information, which incurs a high administrative burden when you need to add or remove users across multiple apps, apps can delegate that responsibility to a centralized identity provider.

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. Delegating authentication and authorization to it enables scenarios such as Conditional Access policies that require a user to be in a specific location, the use of multi-factor authentication, as well as enabling a user to sign in once and then be automatically signed in to all of the web apps that share the same centralized directory. This capability is referred to as Single Sign On (SSO).

References:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

**QUESTION 82**

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

**Explanation**

**Explanation/Reference:**

Azure policies can be used to define requirements for resource properties during deployment and for already existing resources. Azure Policy controls properties such as the types or locations of resources.

Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements. Azure Policy meets this need by evaluating your resources for non-compliance with assigned policies. All data stored by Azure Policy is encrypted at rest.

For example, you can have a policy to allow only a certain SKU size of virtual machines in your environment. Once this policy is implemented, new and existing resources are evaluated for compliance. With the right type of policy, existing resources can be brought into compliance.

References:

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

**QUESTION 83**

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

**Explanation**

**Explanation/Reference:**

To migrate to Azure and decommission the on-premises data center, you would need to create the 5,000 user accounts in Azure Active Directory. The easy way to do this is to sync all the Active Directory user accounts to Azure Active Directory (Azure AD). You can even sync their passwords to further minimize the impact on users.

The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronization services (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-whatis>

**QUESTION 84**

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

From Access Control (IAM), 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

**Explanation**

**Explanation/Reference:**

You would use the Azure Activity Log, not Access Control to view which user turned off a specific virtual machine during the last 14 days.

Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.

In this question, we would create a filter to display shutdown operations on the virtual machine in the last 14 days.

References:

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

**QUESTION 85**

Which service provides network traffic filtering across multiple Azure subscriptions and virtual networks?

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

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

You can restrict traffic to multiple virtual networks in multiple subscriptions with a single Azure firewall.

Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.

You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network.

References:

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

**QUESTION 86**

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

**Explanation**

**Explanation/Reference:**

Azure Key Vault is a secure store for storage various types of sensitive information including passwords and certificates.

Azure Key Vault can be used to Securely store and tightly control access to tokens, passwords, certificates, API keys, and other secrets.

Secrets and keys are safeguarded by Azure, using industry-standard algorithms, key lengths, and hardware security modules (HSMs). The HSMs used are Federal Information Processing Standards (FIPS) 140-2 Level 2 validated.

Access to a key vault requires proper authentication and authorization before a caller (user or application) can get access. Authentication establishes the identity of the caller, while authorization determines the operations that they are allowed to perform.

References:

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

**QUESTION 87**

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:** D

**Explanation**

**Explanation/Reference:**

Azure policies can be used to define requirements for resource properties during deployment and for already existing resources. Azure Policy controls properties such as the types or locations of resources.

Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements.

In this question, we would create a Azure policy assigned to the resource group that denies the creation of virtual machines in the resource group.

You could place a read-only lock on the resource group. However, that would prevent the creation of any resources in the resource group, not virtual machines only. Therefore, an Azure Policy is a better solution.

References:

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

**QUESTION 88**

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

**Explanation**

**Explanation/Reference:**

Azure Information Protection can encrypt documents and emails. Azure Information Protection is a cloud-based solution that helps an organization to classify and optionally, protect its documents and emails by applying labels. Labels can be applied automatically by administrators who define rules and conditions, manually by users, or a combination where users are given recommendations.

The protection technology uses Azure Rights Management (often abbreviated to Azure RMS). This technology is integrated with other Microsoft cloud services and applications, such as Office 365 and Azure Active Directory.

This protection technology uses encryption, identity, and authorization policies. Similarly to the labels that are applied, protection that is applied by using Rights Management stays with the documents and emails, independently of the location--inside or outside your organization, networks, file servers, and applications.

References:

<https://docs.microsoft.com/en-us/azure/information-protection/what-is-information-protection>

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

**QUESTION 89**

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

**Explanation**

**Explanation/Reference:**

The Security Center blade from the Azure portal includes the 'regulatory compliance dashboard'.

The regulatory compliance dashboard provides insight into your compliance posture for a set of supported standards and regulations, based on continuous assessments of your Azure environment. In the Azure Security Center regulatory compliance blade, you can get an overview of key portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.

In the dashboard, you will find your overall compliance score, and the number of passing versus failing assessments with each standard. You can now focus your attention on the gaps in compliance for a standard or regulation that is important to you.

References:

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

**QUESTION 90**

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

**Explanation**

**Explanation/Reference:**

Azure Information Protection is used to automatically add a watermark to Microsoft Word documents that contain credit card information.

You use Azure Information Protection labels to apply classification to documents and emails. When you do this, the classification is identifiable regardless of where the data is stored or with whom it's shared. The labels can include visual markings such as a header, footer, or watermark.

Labels can be applied automatically by administrators who define rules and conditions, manually by users, or a combination where users are given recommendations. In this question, we would configure a label to be automatically applied to Microsoft Word documents that contain credit card information. The label would then add the watermark to the documents.

References:

<https://docs.microsoft.com/en-us/azure/information-protection/what-is-information-protection>

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

**QUESTION 91**

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**

**Explanation**

**Explanation/Reference:**

You would use the Azure Activity Log, not Azure Monitor to view which user turned off a specific virtual machine during the last 14 days.

Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.

In this question, we would create a filter to display shutdown operations on the virtual machine in the last 14 days.

References:

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

**QUESTION 92**

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: C**

**Explanation**

**Explanation/Reference:**

The VNet will be marked as 'Non-compliant' when the policy is assigned. However, it will not be deleted and will continue to function normally.

Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements.

If there are any existing resources that aren't compliant with a new policy assignment, they appear under Non-compliant resources.

References:

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

<https://docs.microsoft.com/en-us/azure/governance/policy/assign-policy-portal>

**QUESTION 93**

Your company has an Azure environment that contains resources in several regions.

A company policy states that administrators must only be allowed to create additional Azure resources in a region in the country where their office is located.

You need to create the Azure resource that must be used to meet the policy requirement.

What should you create?

- A. a read-only lock
- B. an Azure policy
- C. a management group
- D. a reservation

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Azure policies can be used to define requirements for resource properties during deployment and for already existing resources. Azure Policy controls properties such as the types or locations of resources.

Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements. Azure Policy meets this need by evaluating your resources for non-compliance with assigned policies. All data stored by Azure Policy is encrypted at rest.

Azure Policy offers several built-in policies that are available by default. In this question, we would use the 'Allowed Locations' policy to define the locations where resources can be deployed.

References:

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

#### **QUESTION 94**

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

From Azure Cloud Shell, you can track your company's regulatory standards and regulations, such as ISO 27001.

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 Microsoft Cloud Partner Portal
- C. Compliance Manager
- D. the Trust Center

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Microsoft Compliance Manager (Preview) is a free workflow-based risk assessment tool that lets you track, assign, and verify regulatory compliance activities related to Microsoft cloud services. Azure Cloud Shell, on the other hand, is an interactive, authenticated, browser-accessible shell for managing Azure resources.

References:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/compliance-manager-overview>

<https://docs.microsoft.com/en-us/azure/cloud-shell/overview>

#### **QUESTION 95**

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

The Microsoft Online Services Privacy Statement explains what data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data.

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. Microsoft Online Services Terms
- C. Microsoft Online Service Level Agreement
- D. Online Subscription Agreement for Microsoft Azure

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The Microsoft Privacy Statement explains what personal data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data

References:

<https://privacy.microsoft.com/en-us/privacystatement>

**QUESTION 96**

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

**Explanation**

**Explanation/Reference:**

You can move a VM and its associated resources to a different subscription by using the Azure portal. Moving between subscriptions can be handy if you originally created a VM in a personal subscription and now want to move it to your company's subscription to continue your work. You do not need to start the VM in order to move it and it should continue to run during the move.

References:

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

**QUESTION 97**

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

**Explanation**

**Explanation/Reference:**

Many Azure resources have quota limits. The purpose of the quota limits is to help you control your Azure costs. However, it is common to require an increase to the default quota.

You can request a quota limit increase by opening a support request. In the support request, select 'Service and subscription limits (quotas)' for the Issue type, select your subscription and the service you want to increase the quota for. For this question, you would select 'SQL Database Managed Instance' as the quota type.

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance-resource-limits#obtaining-a-larger-quota-for-sql-managed-instance>

### QUESTION 98

Your company has 10 offices. You plan to generate several billing reports from the Azure portal. Each report will contain the Azure resource utilization of each office.

Which Azure Resource Manager feature should you use before you generate the reports?

- A. tags
- B. templates
- C. locks
- D. policies

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

You can use resource tags to 'label' Azure resources. Tags are metadata elements attached to resources. Tags consist of pairs of key/value strings. In this question, we would tag each resource with a tag to identify each office. For example: Location = Office1. When all Azure resources are tagged, you can generate reports to list all resources based on the value of the tag. For example: All resources used by Office1.

References:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resource-tagging/>

### QUESTION 99

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

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage. Microsoft will automatically refund your bank account.

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. automatically migrate the resource to another subscription
- C. automatically credit your account
- D. send you a coupon code that you can redeem for Azure credits

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

If the SLA for an Azure service is not met, you receive credits for that service and that service only. The credits are deducted from your monthly bill for that service. If you stopped using the service where the SLA was not met, your account would remain in credit for that service. The credits would not be applied to any other services that you may be using.

Service Credits apply only to fees paid for the particular Service, Service Resource, or Service tier for which a Service Level has not been met. In cases where Service Levels apply to individual Service

Resources or to separate Service tiers, Service Credits apply only to fees paid for the affected Service Resource or Service tier, as applicable. The Service Credits awarded in any billing month for a particular Service or Service Resource will not, under any circumstance, exceed your monthly service fees for that Service or Service Resource, as applicable, in the billing month.

References:

[https://azure.microsoft.com/en-gb/support/legal/sla/analysis-services/v1\\_0/](https://azure.microsoft.com/en-gb/support/legal/sla/analysis-services/v1_0/)

### **QUESTION 100**

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.

What are two possible techniques to segment Azure for the departments? Each correct answer presents a complete solution.

- A. multiple subscriptions
- B. multiple Azure Active Directory (Azure AD) directories
- C. multiple regions
- D. multiple resource groups

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

An Azure subscription is a container for Azure resources. It is also a boundary for permissions to resources and for billing. You are charged monthly for all resources in a subscription. A single Azure tenant (Azure Active Directory) can contain multiple Azure subscriptions.

A resource group is a container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group.

To enable each department administrator to manage the Azure resources used by that department, you will need to create a separate subscription per department. You can then assign each department administrator as an administrator for the subscription to enable them to manage all resources in that subscription.

<https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription>

<https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/add-change-subscription-administrator>

### **QUESTION 101**

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

If Microsoft plans to end support for an Azure service that does NOT have a successor service, Microsoft will provide notification at least **12 months** before.

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. 6 months
- C. 90 days
- D. 30 days

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The Modern Lifecycle Policy covers products and services that are serviced and supported continuously. For products governed by the Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months' notification prior to ending support if no successor product or service is offered--excluding free services or preview releases.

Reference:

<https://support.microsoft.com/en-us/help/30881>

### **QUESTION 102**

**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:

1. 20 user accounts in Azure Active Directory (Azure AD)
2. Five groups in Azure AD
3. 10 public IP addresses
4. 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**

**Explanation**

**Explanation/Reference:**

You are not charged for unused network interfaces. Therefore, deleting unused network interfaces will not reduce the Azure costs for the company.

References:

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

### **QUESTION 103**

**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:

1. 20 user accounts in Azure Active Directory (Azure AD)
2. Five groups in Azure AD
3. 10 public IP addresses
4. 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**

**Explanation**

**Explanation/Reference:**

You are charged for public IP addresses. Therefore, deleting unused public IP addresses will reduce the Azure costs.

**References:**

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

**QUESTION 104**

**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:

1. 20 user accounts in Azure Active Directory (Azure AD)
2. Five groups in Azure AD
3. 10 public IP addresses
4. 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**

**Explanation**

**Explanation/Reference:**

You are not charged for user accounts. Therefore, deleting unused user accounts will not reduce the Azure costs for the company.

**References:**

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

**QUESTION 105**

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

A support plan solution that gives you best practice information, health status and notifications, and 24/7 access to billing information at the lowest possible cost is a **Standard** support plan.

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. Developer
- C. Basic

D. Premier

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

A basic support plan provides:

1. 24x7 access to billing and subscription support, online self-help, documentation, whitepapers, and support forums
2. Best practices: Access to full set of Azure Advisor recommendations
3. Health Status and Notifications: Access to personalized Service Health Dashboard & Health API

References:

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

**QUESTION 106**

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: D**

**Explanation**

**Explanation/Reference:**

References:

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

**QUESTION 107**

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**

**Explanation**

**Explanation/Reference:**

You can create an Azure support request from the Help and Support blade in the Azure portal or from the context menu of an Azure resource in the Support + Troubleshooting section.

References:

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

**QUESTION 108**

**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:

1. 20 user accounts in Azure Active Directory (Azure AD)
2. Five groups in Azure AD
3. 10 public IP addresses
4. 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**

**Explanation**

**Explanation/Reference:**

You are not charged for Azure Active Directory Groups. Therefore, deleting unused groups will not reduce your Azure costs.

References:

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

### **QUESTION 109**

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

The Azure Standard support plan is the lowest cost option to receive 24x7 access to support engineers by phone.

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. Developer
- C. Basic
- D. Professional Direct

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

The Basic support plan is free so is therefore the cheapest. The Developer support plan is the cheapest paid-for support plan. The order of support plans in terms of cost ranging from the cheapest to most expensive is: Basic, Developer, Standard, Professional Direct, Premier.

However, 24/7 access to technical support by email and phone is only available for Standard, Professional Direct, Premier plans.

References:

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

### **QUESTION 110**

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

All Azure services that are in public preview are provided without any documentation.

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 configurable from Azure CLI
- C. excluded from the Service Level Agreements
- D. only configurable from the Azure portal

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Preview features are made available to you on the condition that you accept additional terms which supplement the regular Azure terms. The supplemental terms state:

"PREVIEWS ARE PROVIDED "AS-IS," "WITH ALL FAULTS," AND "AS AVAILABLE," AND ARE EXCLUDED FROM THE SERVICE LEVEL AGREEMENTS AND LIMITED WARRANTY."

References:

<https://azure.microsoft.com/en-gb/support/legal/preview-supplemental-terms/>

### **QUESTION 111**

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

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

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The SLA for virtual machines guarantees 'uptime'. The amount of uptime guaranteed depends on factors such as whether the VMs are in an availability set or availability zone if there is more than one VM, the distribution of the VMs if there is more than one or the disk type if it is a single VM.

The SLA for Virtual Machines states:

1. For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.99% of the time.
2. For all Virtual Machines that have two or more instances deployed in the same Availability Set or in the same Dedicated Host Group, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.95% of the time.
3. For any Single Instance Virtual Machine using Premium SSD or Ultra Disk for all Operating System Disks and Data Disks, we guarantee you will have Virtual Machine Connectivity of at least 99.9%.

References:

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

[https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1\\_9/](https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/)

### **QUESTION 112**

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

An Azure service is available to all Azure customers when it is in public preview.

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. private preview

- C. development
- D. an Enterprise Agreement (EA) subscription

**Correct Answer:** A  
**Explanation**

**Explanation/Reference:**

Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price. Public previews are excluded from SLAs and in some cases, no support is offered.

Incorrect Answers:

B: Services in private preview are available only to selected people who has signed up to the private preview program.

C: Services in development are not available to the public.

D: Services provided under an Enterprise Agreement (EA) subscription are available only to the subscription owner.

References:

<https://www.neowin.net/news/several-more-azure-services-now-available-in-private-public-preview/>

**QUESTION 113**

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 Basic support plan.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B  
**Explanation**

**Explanation/Reference:**

The Basic support plan does not have any technical support for engineers. Access to Support Engineers via email or phone is available in the following support plans: Premier, Professional Direct and standard.

References:

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

**QUESTION 114**

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

**Explanation**

**Explanation/Reference:**

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 115**

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

**Explanation**

**Explanation/Reference:**

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 116**

Your company plans to request an architectural review of an Azure environment from Microsoft.

The company currently has a Basic support plan.

You need to recommend a new support plan for the company. The solution must minimize costs.

Which support plan should you recommend?

- A. Premier
- B. Developer
- C. Professional Direct
- D. Standard

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The Premier support plan provides customer specific architectural support such as design reviews, performance tuning, configuration and implementation assistance delivered by Microsoft Azure technical specialists.

References:

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

### **QUESTION 117**

What is required to use Azure Cost Management?

- A. a Dev/Test subscription
- B. Software Assurance
- C. an Enterprise Agreement (EA)
- D. a pay-as-you-go subscription

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Azure customers with an Azure Enterprise Agreement (EA), Microsoft Customer Agreement (MCA), or Microsoft Partner Agreement (MPA) can use Azure Cost Management.

Cost management is the process of effectively planning and controlling costs involved in your business. Cost management tasks are normally performed by finance, management, and app teams. Azure Cost Management + Billing helps organizations plan with cost in mind. It also helps to analyze costs effectively and take action to optimize cloud spending.

References:

<https://docs.microsoft.com/en-gb/azure/cost-management/overview-cost-mgt>

### **QUESTION 118**

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

Your Azure trial account expired last week. You are now unable to create additional 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. start an existing Azure virtual machine
- C. access your data stored in Azure
- D. access the Azure portal

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

A stopped (deallocated) VM is offline and not mounted on an Azure host server. Starting a VM mounts the

VM on a host server before the VM starts. As soon as the VM is mounted, it becomes chargeable. For this reason, you are unable to start a VM after a trial has expired.

Incorrect Answers:

- A: You are not charged for Azure Active Directory user accounts so you can continue to create accounts.
- C: You can access data that is already stored in Azure.
- D: You can access the Azure Portal. You can also reactivate and upgrade the expired subscription in the portal.

### **QUESTION 119**

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 Professional Direct support plan.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

The Basic support plan does not have any technical support for engineers. The Developer support plan has only technical support for engineers via email. 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 120**

Your company has 10 departments.

The company plans to implement an Azure environment.

You need to ensure that each department can use a different payment option for the Azure services it consumes.

What should you create for each department?

- A. a reservation
- B. a subscription
- C. a resource group
- D. a container instance

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

There are different payment options in Azure including pay-as-you-go (PAYG), Enterprise Agreement (EA), and Microsoft Customer Agreement (MCA) accounts.

Your Azure costs are 'per subscription'. You are charged monthly for all resources in a subscription. Therefore, to use different payment options per department, you will need to create a separate subscription per department. You can create multiple subscriptions in a single Azure Active Directory tenant.

Incorrect Answers:

- A: A reservation is where you commit to a resource (for example a virtual machine) for one or three years. This gives you a discounted price on the resource for the reservation period. Reservations do not provide a way to use different payment options per department.
- C: A resource group is a logical container for Azure resources. You can view the total cost of all the resources in a resource group. However, resource groups do not provide a way to use different payment options per department.
- D: A container instance is an Azure resource used to run an application. Container instances do not provide a way to use different payment options per department.

References:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription>

### QUESTION 121

Which statement accurately describes the Modern Lifecycle Policy for Azure services?

- A. Microsoft provides mainstream support for a service for five years.
- B. Microsoft provides a minimum of 12 months' notice before ending support for a service.
- C. After a service is made generally available, Microsoft provides support for the service for a minimum of four years.
- D. When a service is retired, you can purchase extended support for the service for up to five years.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

For products governed by the Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months' notification prior to ending support if no successor product or service is offered--excluding free services or preview releases.

References:

<https://support.microsoft.com/en-us/help/30881/modern-lifecycle-policy>

### QUESTION 122

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

You can use Advisor recommendations in Azure to send email alerts when the cost of the current billing period for an Azure subscription exceeds a specified limit.

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. Access control (IAM)
- C. Budget alerts
- D. Compliance

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Budget alerts notify you when spending, based on usage or cost, reaches or exceeds the amount defined in the alert condition of the budget. Cost Management budgets are created using the Azure portal or the Azure Consumption API.

References:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-mgt-alerts-monitor-usage>

spending

**QUESTION 123**

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

An Availability Zone in Azure has physically separate locations across two continents.

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. within a single Azure region
- C. within multiple Azure regions
- D. within a single Azure datacenter

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region.

References:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

**QUESTION 124**

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 can delete RG1
- C. an Azure policy must be modified before an administrator can delete RG1
- D. an Azure tag must be added before an administrator can delete RG1

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 125**

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.

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

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 126**

Your company has an Azure subscription that contains the following unused resources:

1. 20 user accounts in Azure Active Directory (Azure AD)
2. Five groups in Azure AD
3. 10 public IP addresses
4. 10 network interfaces

You need to reduce the Azure costs for the company.

Which unused resources should you remove?

- A. the user accounts
- B. the network interfaces
- C. the public IP addresses
- D. the groups

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

You are charged for public IP addresses. Therefore, deleting unused public IP addresses will reduce the Azure costs.

Reference:

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

**QUESTION 127**

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

Data that is stored in the Archive access tier of an Azure Storage account can be accessed at any time by using azcopy.exe

Instructions: Review the bold 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. can only be read by using Azure Backup
- C. must be restored before the data can be accessed
- D. must be rehydrated before the data can be accessed

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 128**

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.

Which three computers can run the script? Each correct answer presents a complete solution

NOTE: Each correct selection is worth one point.

- A. a computer that runs macOS and has PowerShell Core 6.0 installed.
- B. a computer that runs Windows 10 and has the Azure PowerShell module installed.

- C. a computer that runs Linux and has the Azure PowerShell module installed.
- D. a computer that runs Linux and has the Azure CLI tools installed.
- E. a computer that runs Chrome OS and uses Azure Cloud Shell.

**Correct Answer:** ABE

**Explanation**

**Explanation/Reference:**

A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.

Reference:

<https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6>  
<https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart-powershell>

**QUESTION 129**

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.

What are two possible solutions? Each correct answer presents a complete solution.

- A. You modify a DDoS protection plan.
- B. You modify an Azure firewall.
- C. You modify an Azure Traffic Manager profile.
- D. Modify a network security group (NGS)

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

**QUESTION 130**

Which task can you perform by using Azure Advisor?

- A. Integrate Active Directory and Azure Active Directory (Azure AD).
- B. Estimate the costs of an Azure solution.
- C. Confirm that Azure subscription security follows best practices.
- D. Evaluate which on-premises resources can be migrated to Azure.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

<https://blog.pragmaticworks.com/what-is-azureadvisor#:~:text=Microsoft%20defines%20Azure%20Advisor%20as,solutions%20based%20on%20that%20data.>

**QUESTION 131**

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.

What are two possible solutions? Each correct answer presents a complete solution.

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

- A. Modify an Azure Traffic Manager profile
- B. Modify a network security group (NSG)

- C. Modify a DDoS protection plan
- D. Modify an Azure firewall

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 80 (HTTP).

Reference:

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

**QUESTION 132**

In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

- A. private
- B. hybrid
- C. public

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Microsoft Azure, Amazon Web Services and Google Cloud are three examples of public cloud services. Microsoft, Amazon and Google own the hardware. The tenants are the customers who use the public cloud services.

**QUESTION 133**

To which cloud models can you deploy physical servers?

- A. private cloud and hybrid cloud only
- B. private cloud only
- C. private cloud, hybrid cloud and public cloud
- D. hybrid cloud only

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

A private cloud is on-premises so you can deploy physical servers.

A hybrid cloud is a mix of on-premise and public cloud resources. You can deploy physical servers on-premises.

Reference:

<https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/>

**QUESTION 134**

You have 50 virtual machines hosted on-premises and 50 virtual machines hosted in Azure. The on-premises virtual machines and the Azure virtual machines connect to each other.

Which type of cloud model is this?

- A. hybrid
- B. private
- C. public

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

References:

<https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/>

### **QUESTION 135**

What can you use to automatically send an alert if an administrator stops an Azure virtual machine?

- A. Azure Advisor
- B. Azure Service Health
- C. Azure Monitor
- D. Azure Network Watcher

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/insights/vminsights-alerts>

### **QUESTION 136**

You have an Azure environment.

You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

What are three possible solutions? Each correct answer presents a complete solution.

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

- A. Use Bash in Azure Cloud Shell.
- B. Use PowerShell in Azure Cloud Shell.
- C. Use the PowerApps portal.
- D. Use the Security & Compliance admin center.
- E. Use the Azure portal.

**Correct Answer:** ABE

**Explanation**

**Explanation/Reference:**

The Android tablet device will have a web browser (Chrome). That's enough to connect to the Azure portal.

The Azure portal offers three ways to create a VM:

1. Using the graphical portal.
2. Using the Azure Cloud Shell using Bash.
3. Using the Azure Cloud Shell using PowerShell.

### **QUESTION 137**

Your company has a Software Assurance agreement that includes Microsoft SQL Server licenses.

You plan to deploy SQL Server on Azure virtual machines.

What should you do to minimize licensing costs for the deployment?

- A. Deallocate the virtual machines during off hours.
- B. Use Azure Hybrid Benefit.
- C. Configure Azure Cost Management budgets.
- D. Use Azure reservations.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Azure Hybrid Benefit is a licensing benefit that helps you to significantly reduce the costs of running your workloads in the cloud. It works by letting you use your on-premises Software Assurance-enabled Windows Server and SQL Server licenses on Azure.

Reference:

<https://azure.microsoft.com/en-us/pricing/hybrid-benefit/>

### **QUESTION 138**

Which Azure service can you use as a security information and event management (SIEM) solution?

- A. Azure Analysis Services
- B. Azure Sentinel
- C. Azure Information Protection
- D. Azure Cognitive Services

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference:

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

### **QUESTION 139**

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.

Which three computers can run the script? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. a computer that runs macOS and has PowerShell Core 6.0 installed.
- B. a computer that runs Windows 10 and has the Azure PowerShell module installed.
- C. a computer that runs Linux and has the Azure PowerShell module installed.
- D. a computer that runs Linux and has the Azure CLI tools installed.
- E. a computer that runs Chrome OS and uses Azure Cloud Shell.

**Correct Answer:** ABE

**Explanation**

**Explanation/Reference:**

A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.

Reference:

<https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6>

<https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart-powershell>

## **Exam B**

### **QUESTION 1**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an on-premises network with numerous servers, which they intend to migrate to Azure.

You have been tasked with devising a plan that allows for the availability of a few of the servers, in the event that one of the Azure data centers becomes unavailable for a lengthy interval.

Solution: You should include elasticity in your plan.

Does the solution meet the goal?

- A. Yes
- B. No

#### **Correct Answer: B**

#### **Explanation**

### **QUESTION 2**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an on-premises network with numerous servers, which they intend to migrate to Azure.

You have been tasked with devising a plan that allows for the availability of a few of the servers, in the event that one of the Azure data centers becomes unavailable for a lengthy interval.

Solution: You should include scalability in your plan.

Does the solution meet the goal?

- A. Yes
- B. No

#### **Correct Answer: B**

#### **Explanation**

### **QUESTION 3**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an on-premises network with numerous servers, which they intend to migrate to Azure.

You have been tasked with devising a plan that allows for the availability of a few of the servers, in the event that one of the Azure data centers becomes unavailable for a lengthy interval.

Solution: You should include fault tolerance in your plan.

Does the solution meet the goal?

- A. Yes
- B. No

#### **Correct Answer: A**

#### **Explanation**

**QUESTION 4**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying Azure virtual machines for your company.

You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Software as a Service (SaaS).

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 5**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying Azure virtual machines for your company.

You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Platform as a Service (PaaS).

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 6**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying Azure virtual machines for your company.

You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Infrastructure as a Service (IaaS).

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**QUESTION 7**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's on-premises network includes a large number of servers.

They would like to make extra resources available to their users, while keeping capital and operational overheads to a minimum.

You are required to make recommendations that should be included in the overall solution.

Solution: You should indorse the use of an added data center as part of the solution.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

#### **QUESTION 8**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's on-premises network includes a large number of servers.

They would like to make extra resources available to their users, while keeping capital and operational overheads to a minimum.

You are required to make recommendations that should be included in the overall solution.

Solution: You should indorse the use of a hybrid cloud as part of the solution.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

#### **QUESTION 9**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's on-premises network includes a large number of servers.

They would like to make extra resources available to their users, while keeping capital and operational overheads to a minimum.

You are required to make recommendations that should be included in the overall solution.

Solution: You should indorse the use of a private cloud as part of the solution.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

#### **QUESTION 10**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the elastic expenditure model.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

### **QUESTION 11**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the scalable expenditure model.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

### **QUESTION 12**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the operational expenditure model.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

### **QUESTION 13**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are required to deploy an Artificial Intelligence (AI) solution in Azure.

You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Cosmos DB.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer: B**

**Explanation**

**QUESTION 14**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are required to deploy an Artificial Intelligence (AI) solution in Azure.

You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Logic Apps.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer: B**

**Explanation**

**QUESTION 15**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are required to deploy an Artificial Intelligence (AI) solution in Azure.

You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Machine Learning Studio.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer: A**

**Explanation**

**QUESTION 16**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.

The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that the Azure API Management service be included in the strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

#### **QUESTION 17**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.

The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that management groups be included in the strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

#### **QUESTION 18**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.

The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that the Azure Resource Manager templates be included in the strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

#### **QUESTION 19**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include two virtual machines and one availability zone in your strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

#### **QUESTION 20**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include one virtual machine and two availability zones in your strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

#### **QUESTION 21**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include two virtual machines and two availability zones in your strategy.

Does the solution meet the goal?

- A. Yes

B. No

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

**QUESTION 22**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: you recommend the use of Microsoft Managed Desktop.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer: B**

**Explanation**

**QUESTION 23**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: you recommend the use of Azure Reserved Virtual Machines (VM) Instances.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer: B**

**Explanation**

**QUESTION 24**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux

installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: you recommend the use of Azure DevTest Labs.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

#### **QUESTION 25**

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1.

The company has users that work remotely. The remote workers require access to the VMs on VNet1.

You need to provide access for the remote workers.

What should you do?

- A. Configure a Site-to-Site (S2S) VPN.
- B. Configure a VNet-toVNet VPN.
- C. Configure a Point-to-Site (P2S) VPN.
- D. Configure DirectAccess on a Windows Server 2012 server VM.
- E. Configure a Multi-Site VPN

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer.

References:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways>

#### **QUESTION 26**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

Solution: You recommend the use of Azure Information Protection.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 27**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

Solution: You recommend the use of Azure Key Vault.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**QUESTION 28**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

Solution: You recommend the use of Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 29**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

Solution: You configure the use of Azure Key Vault.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

References:

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

**QUESTION 30**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

Solution: You configure the use of Azure AD Identity Protection.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

References:

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

**QUESTION 31**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

Solution: You configure the use of Azure AD Privileged Identity Management.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

References:

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

**QUESTION 32**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning a strategy to deploy numerous web servers and database servers to Azure.

This strategy should allow for connection types between the web servers and database servers to be controlled.

Solution: You include the Azure Service Bus in your strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

### **QUESTION 33**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning a strategy to deploy numerous web servers and database servers to Azure.

This strategy should allow for connection types between the web servers and database servers to be controlled.

Solution: You include network security groups (NSGs) in your strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

### **QUESTION 34**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning a strategy to deploy numerous web servers and database servers to Azure.

This strategy should allow for connection types between the web servers and database servers to be controlled.

Solution: You include a local network gateway in your strategy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

### **QUESTION 35**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Active Directory forest includes thousands of user accounts.

You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.

You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

Solution: You plan to require Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**QUESTION 36**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Active Directory forest includes thousands of user accounts.

You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.

You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

Solution: You plan to sync all the Active Directory user accounts to Azure Active Directory (Azure AD).

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**QUESTION 37**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Active Directory forest includes thousands of user accounts.

You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.

You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

Solution: You plan to enforce password change.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 38**

Your developers have created 10 web applications that must be host on Azure. You need to determine which Azure web tier plan to host the web apps. The web tier plan must meet the following requirements:

1. The web apps will use custom domains.
2. The web apps each require 10 GB of storage.
3. The web apps must each run in dedicated compute instances.
4. Load balancing between instances must be included.
5. Costs must be minimized.

Which web tier plan should you use?

- A. Standard
- B. Basic
- C. Free
- D. Shared

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Standard offers 50 GB of storage space, while Basic only gives 10 GB.

References:

<http://azure.microsoft.com/en-us/pricing/details/websites/>

### **QUESTION 39**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are currently trying to generate a number of managed Microsoft SQL Server instances in an Azure environment. During the process, you are presented with a notification informing you that the Azure subscription limits must be increased.

You want to make sure that you can complete your task.

Solution: You generate a service health alert.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

### **QUESTION 40**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are currently trying to generate a number of managed Microsoft SQL Server instances in an Azure environment. During the process, you are presented with a notification informing you that the Azure subscription limits must be increased.

You want to make sure that you can complete your task.

Solution: You alter an Azure policy.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 41**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are currently trying to generate a number of managed Microsoft SQL Server instances in an Azure environment. During the process, you are presented with a notification informing you that the Azure subscription limits must be increased.

You want to make sure that you can complete your task.

Solution: You generate a new support request.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**QUESTION 42**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division.

You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.

Solution: You plan to make use of several Azure Active Directory (Azure AD) directories.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 43**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division.

You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.

Solution: You plan to make use of several resource groups.

Does the solution meet the goal?

- A. Yes

B. No

**Correct Answer: B**

**Explanation**

**QUESTION 44**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division.

You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.

Solution: You plan to make use of several subscriptions.

Does the solution meet the goal?

A. Yes

B. No

**Correct Answer: A**

**Explanation**

**QUESTION 45**

Your developers have created a portal web app for users in the Miami branch office. The web app will be publicly accessible and used by the Miami users to retrieve customer and product information. The web app is currently running in an on-premises test environment.

You plan to host the web app on Azure.

You need to determine which Azure web tier plan to host the web app. The web tier plan must meet the following requirements:

1. The website will use the miami.weyland.com URL.
2. The website will be deployed to two instances.
3. SSL support must be included.
4. The website requires 12 GB of storage.
5. Costs must be minimized.

Which web tier plan should you use?

A. Standard

B. Basic

C. Free

D. Shared

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

References:

<http://azure.microsoft.com/en-us/documentation/articles/azure-subscription-service-limits/>

**QUESTION 46**

Your company has datacenters in Los Angeles and New York. The company has a Microsoft Azure subscription.

You are configuring the two datacenters as geo-clustered sites for site resiliency.

You need to recommend an Azure storage redundancy option.

You have the following data storage requirements:

1. Data must be stored on multiple nodes.
2. Data must be stored on nodes in separate geographic locations.
3. Data can be read from the secondary location as well as from the primary location

Which of the following Azure stored redundancy options should you recommend?

- A. Geo-redundant storage
- B. Read-only geo-redundant storage
- C. Zone-redundant storage
- D. Locally redundant storage

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

RA-GRS allows you to have higher read availability for your storage account by providing "read only" access to the data replicated to the secondary location. Once you enable this feature, the secondary location may be used to achieve higher availability in the event the data is not available in the primary region. This is an "opt-in" feature which requires the storage account be geo-replicated.

References:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy>

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy-grs#read-access-geo-redundant-storage>

#### **QUESTION 47**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Azure subscription includes a Basic support plan.

They would like to request an assessment of an Azure environment's design from Microsoft. This is, however, not supported by the existing plan.

You want to make sure that the company subscribes to a support plan that allows this functionality, while keeping expenses to a minimum.

Solution: You recommend that the company subscribes to the Standard support plan.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

References:

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

#### **QUESTION 48**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Azure subscription includes a Basic support plan.

They would like to request an assessment of an Azure environment's design from Microsoft. This is, however, not supported by the existing plan.

You want to make sure that the company subscribes to a support plan that allows this functionality, while keeping expenses to a minimum.

Solution: You recommend that the company subscribes to the Professional Direct support plan.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

References:

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

#### **QUESTION 49**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Azure subscription includes a Basic support plan.

They would like to request an assessment of an Azure environment's design from Microsoft. This is, however, not supported by the existing plan.

You want to make sure that the company subscribes to a support plan that allows this functionality, while keeping expenses to a minimum.

Solution: You recommend that the company subscribes to the Premier support plan.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

References:

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

#### **QUESTION 50**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

A company that has numerous divisions is planning to deploy an Azure environment.

The company would like each division's option to pay for the Azure services it utilizes, not be the same.

You have been asked to recommend a solution to meet the requirements.

Solution: You recommend that an Azure role be created for each division.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 51**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

A company that has numerous divisions is planning to deploy an Azure environment.

The company would like each division's option to pay for the Azure services it utilizes, not be the same.

You have been asked to recommend a solution to meet the requirements.

Solution: You recommend that an Azure policy be created for each division.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**QUESTION 52**

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

A company that has numerous divisions is planning to deploy an Azure environment.

The company would like each division's option to pay for the Azure services it utilizes, not be the same.

You have been asked to recommend a solution to meet the requirements.

Solution: You recommend that a subscription be created for each division.

Does the solution meet the goal?

- A. Yes
- B. No

**Correct Answer:** A

**Explanation**

**QUESTION 53**

Which resources can be used as a source for a Network security group inbound security rule?

- A. Application security groups only
- B. IP Addresses only
- C. Service Tags only
- D. IP Addresses, Service tags and Application security groups

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Source or destination:

Any, or an individual IP address, classless inter-domain routing (CIDR) block (10.0.0.0/24, for example),

service tag, or application security group.

Reference:

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

#### **QUESTION 54**

Your company is planning a deployment using Azure Database for PostgreSQL. The deployment should meet the following requirements:

1. Up to 10 TB storage
2. Azure Premium Storage
3. Point-in-time-restore for up to 35 days

You need to select the appropriate deployment and pricing tier to meet these requirements and minimize costs. What should you select?

- A. Azure Database for PostgreSQL Single Server Memory Optimized tier
- B. Azure Database for PostgreSQL Hyperscale (Citus)
- C. Azure Database for PostgreSQL Single Server General Purpose tier
- D. Azure Database for PostgreSQL Single Server Basic tier

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 55**

Your company uses management groups to manage resources in your Azure tenant more efficiently. User1 should be able to assign access and assign policies to management groups. You need to determine to which role-based access control (RBAC) role User1 should be added.

Your solution should follow the principle of least privilege. To which role should you add User1?

- A. Owner
- B. User Access Administrator
- C. Management Group Contributor
- D. Contributor

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 56**

Which service provides network traffic filtering across multiple Azure subscriptions and virtual networks?

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

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

You can restrict traffic to multiple virtual networks in multiple subscriptions with a single Azure firewall. Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted

cloud scalability.

You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network.  
<https://docs.microsoft.com/en-us/azure/firewall/overview>

#### **QUESTION 57**

A company is planning on deploying a stateless based application based on microservices using the Azure Service Fabric service. You need to design the infrastructure that would be required in the Azure Service Fabric service.

Which of the following should you consider? (Choose two)

- A. The network connectivity
- B. The number of node types in the cluster
- C. The properties for each node type
- D. The service tier

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

#### **QUESTION 58**

A team has an Azure Cosmos DB account. A solution needs to be in place to generate an alert from Azure Log Analytics when a query request charge exceeds 40 units more than 10 times during a 10-minute window.

Which of the following would you recommend? (Choose two)

- A. Create a search query to identify when the requestCharge\_s exceeds 10.
- B. Configure a period of 10 and a frequency of 10.
- C. Create a search query to identify when the requestCharge\_s exceeds
- D. Create a search query to identify when the duration\_s exceeds 10.

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

#### **QUESTION 59**

Which statement accurately describes the Modern Lifecycle Policy for Azure services?

- A. Microsoft provides mainstream support for a service for ve years.
- B. Microsoft provides a minimum of 12 months TM notice before ending support for a service.
- C. After a service is made generally available, Microsoft provides support for the service for a minimum of four years.
- D. When a service is retired, you can purchase extended support for the service for up to ve years.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

For products governed by the Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months' notification prior to ending support if no successor product or service is offered " excluding free services or preview releases.

Reference:

<https://support.microsoft.com/en-us/help/30881/modern-lifecycle-policy>

### **QUESTION 60**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure subscription named Sub1.

You have an Azure Storage account named sa1 in a resource group named RG1. Users and applications access the blob service and the le service in sa1 by using several shared access signatures (SASs) and stored access policies.

You discover that unauthorized users accessed both the le service and the blob service.

You need to revoke all access to sa1.

Solution: You create a new stored access policy.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Creating a new (additional) stored access policy will have no effect on the existing policy or the SAS TMs linked to it.

To revoke a stored access policy, you can either delete it, or rename it by changing the signed identifier. Changing the signed identifier breaks the associations between any existing signatures and the stored access policy. Deleting or renaming the stored access policy immediately effects all of the shared access signatures associated with it.

Reference:

<https://docs.microsoft.com/en-us/rest/api/storageservices/Establishing-a-Stored-Access-Policy>

### **QUESTION 61**

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 a hybrid configuration of Azure Active Directory (Azure AD).

You have an Azure HDInsight cluster on a virtual network.

You plan to allow users to authenticate to the cluster by using their on-premises Active Directory credentials. You need to configure the environment to support the planned authentication.

Solution: You deploy the On-premises data gateway to the on-premises network.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Instead, you connect HDInsight to your on-premises network by using Azure Virtual Networks and a VPN gateway.

Note: To allow HDInsight and resources in the joined network to communicate by name, you must perform the following actions:

1. Create Azure Virtual Network.
2. Create a custom DNS server in the Azure Virtual Network.
3. Configure the virtual network to use the custom DNS server instead of the default Azure Recursive Resolver. Configure forwarding between the custom DNS server and your on-premises DNS server.

References:

<https://docs.microsoft.com/en-us/azure/hdinsight/connect-on-premises-network>

**QUESTION 62**

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 a hybrid configuration of Azure Active Directory (Azure AD).

You have an Azure HDInsight cluster on a virtual network.

You plan to allow users to authenticate to the cluster by using their on-premises Active Directory credentials. You need to configure the environment to support the planned authentication.

Solution: You create a site-to-site VPN between the virtual network and the on-premises network.

Does this meet the goal?

- A. Yes
- B. No

**Correct Answer: A****Explanation****Explanation/Reference:**

You can connect HDInsight to your on-premises network by using Azure Virtual Networks and a VPN gateway. Note: To allow HDInsight and resources in the joined network to communicate by name, you must perform the following actions:

Create Azure Virtual Network.

Create a custom DNS server in the Azure Virtual Network.

Configure the virtual network to use the custom DNS server instead of the default Azure Recursive Resolver. Configure forwarding between the custom DNS server and your on-premises DNS server.

References:

<https://docs.microsoft.com/en-us/azure/hdinsight/connect-on-premises-network>

**QUESTION 63**

Your network contains an Active Directory forest named contoso.com. The forest contains a single domain. You have an Azure subscription named Sub1 that is associated to an Azure Active Directory (Azure AD) tenant named contoso.com. You plan to deploy Azure AD Connect and to integrate Active Directory and the Azure AD tenant. You need to recommend an integration solution that meets the following requirements:

Ensures that password policies and user logon restrictions apply to user accounts that are synced to the tenant Minimizes the number of servers required for the solution.

Which authentication method should you include in the recommendation?

- A. federated identity with Active Directory Federation Services (AD FS)
- B. password hash synchronization with seamless single sign-on (SSO)

- C. pass-through authentication with seamless single sign-on (SSO)

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Password hash synchronization requires the least effort regarding deployment, maintenance, and infrastructure. This level of effort typically applies to organizations that only need their users to sign in to Oce 365, SaaS apps, and other Azure AD-based resources. When turned on, password hash synchronization is part of the Azure AD Connect sync process and runs every two minutes.

Incorrect Answers:

A: A federated authentication system relies on an external trusted system to authenticate users. Some companies want to reuse their existing federated system investment with their Azure AD hybrid identity solution. The maintenance and management of the federated system falls outside the control of Azure AD. It's up to the organization by using the federated system to make sure it's deployed securely and can handle the authentication load.

C: For pass-through authentication, you need one or more (we recommend three) lightweight agents installed on existing servers. These agents must have access to your on-premises Active Directory Domain Services, including your on-premises AD domain controllers. They need outbound access to the Internet and access to your domain controllers. For this reason, it's not supported to deploy the agents in a perimeter network. Pass-through Authentication requires unconstrained network access to domain controllers. All network traffic is encrypted and limited to authentication requests.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-ptc>

**QUESTION 64**

Your network contains an on-premises Active Directory domain named corp.contoso.com. You have an Azure subscription named Sub1 that is associated to an Azure Active Directory (Azure AD) tenant named contoso.com.

You sync all on-premises identities to Azure AD.

You need to prevent users who have a givenName attribute that starts with TEST from being synced to Azure AD. The solution must minimize administrative effort.

What should you use?

- A. Synchronization Rules Editor
- B. Web Service Configuration Tool
- C. the Azure AD Connect wizard
- D. Active Directory Users and Computers

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Use the Synchronization Rules Editor and write attribute-based filtering rule.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-change-the-configuration>

**QUESTION 65**

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

- A. Azure Security Center
- B. Azure Advisor
- C. Azure Service Health

D. Azure Knowledge Center

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

The advanced monitoring capabilities in Security Center lets you track and manage compliance and governance over time. The overall compliance provides you with a measure of how much your subscriptions are compliant with policies associated with your workload.

Reference:

<https://docs.microsoft.com/en-us/azure/security-center/security-center-intro>

**QUESTION 66**

You have an azure virtual machine named VM1.

You plan to encrypt VM1 by using Azure Disk Encryption.

Which Azure resource must you create first?

- A. An Azure Storage account
- B. An Azure Information Protection policy
- C. An Encryption Key
- D. An Azure Key Vault

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Azure Disk Encryption requires an Azure Key Vault to control and manage disk encryption keys and secrets.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/disk-encryption-overview>

**QUESTION 67**

What can you use to identify underutilized or unused Azure virtual machines?

- A. Azure Advisor
- B. Azure Cost Management + Billing
- C. Azure reservations
- D. Azure Policy

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Azure Advisor helps you optimize and reduce your overall Azure spend by identifying idle and underutilized resources. You can get cost recommendations from the Cost tab on the Advisor dashboard.

Reference:

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

**QUESTION 68**

Your company has an Azure subscription that contains resources in several regions.

You need to ensure that administrators can only create resources in those regions.

What should you use?

- A. a read-only lock

- B. an Azure policy
- C. a management group
- D. a reservation

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference:

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

**QUESTION 69**

You need to be notified when Microsoft plans to perform maintenance that can affect the resources deployed to an Azure subscription.

What should you use?

- A. Azure Monitor
- B. Azure Service Health
- C. Azure Advisor
- D. Microsoft Trust Center

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Azure Service Health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Service Health experience knows which services and resources you currently use.

Reference:

<https://docs.microsoft.com/en-us/azure/service-health/overview>

**QUESTION 70**

You have an Azure subscription and 100 Windows 10 devices.

You need to ensure that only users whose devices have the latest security patches installed can access Azure Active Directory (Azure AD)-integrated applications.

What should you implement?

- A. a conditional access policy
- B. Azure Bastion
- C. Azure Firewall
- D. Azure Policy

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/concept-conditional-access-policies>

**QUESTION 71**

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 Service Trust Portal
- D. the Solutions blade from the Azure portal

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

Compliance Manager in the Service Trust Portal is a workflow-based risk assessment tool that helps you track, assign, and verify your organization's regulatory compliance activities related to Microsoft Cloud services, such as Microsoft 365, Dynamics 365, and Azure.

Reference:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/get-started-with-service-trust-portal?view=o365-worldwide>

### **QUESTION 72**

You have an Azure subscription.

Where will you find details on the personal data collected by Microsoft, how Microsoft uses the data, and what the data is used for?

- A. the Data Protection Addendum
- B. the Microsoft Online Services Terms
- C. the Microsoft Privacy Statement
- D. Azure Security Center

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

The Microsoft Privacy Statement explains the personal data Microsoft processes, how Microsoft processes it, and for what purposes. Your applicable Services Agreement or the Preview Supplemental Terms may specify lesser or different privacy measures for some Preview services.

Reference:

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

### **QUESTION 73**

Who can use the Azure Total Cost of Ownership (TCO) calculator?

- A. billing readers for an Azure subscription only
- B. owners for an Azure subscription only
- C. anyone
- D. all users who have an account in Azure Active Directory (Azure AD) that is linked to an Azure subscription only

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

You don't need an Azure subscription to work with the TCO Calculator.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/plan-manage-azure-costs/2-compare-costs-tco-calculator>

### **QUESTION 74**

You have an Azure application that uses the services shown in the following table.

Service	Service Level Agreement (SLA)
Azure virtual machines	99.9%
Azure SQL Database	99.99%

How should you calculate the composite SLA for the application?

- A.  $0.999 * 0.9999 = 0.9989001 = 99.89001\%$
- B.  $0.999 / 0.9999 = 0.9991 = 99.91\%$
- C.  $\text{Max}(0.999, 0.9999) = 0.9999 = 99.99\%$
- D.  $\text{Min}(0.999, 0.9999) = 0.999 = 99.9\%$

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Composite SLAs involve multiple services supporting an application, each with differing levels of availability. For example, consider an App Service web app that writes to Azure SQL Database. At the time of this writing, these Azure services have the following SLAs:

- 1. App Service web apps = 99.95%
- 2. SQL Database = 99.99%

What is the maximum downtime you would expect for this application? If either service fails, the whole application fails. The probability of each service failing is independent, so the composite SLA for this application is  $99.95\% \times 99.99\% = 99.94\%$ . That's lower than the individual SLAs, which isn't surprising because an application that relies on multiple services has more potential failure points.

Reference:

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

**QUESTION 75**

You have an Azure Sentinel workspace.

You need to automate responses to threats detected by Azure Sentinel.

What should you use?

- A. adaptive network hardening in Azure Security Center
- B. Azure Service Health
- C. Azure Monitor workbooks
- D. adaptive application controls in Azure Security Center

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 76**

You need to purchase a third-party virtual security appliance that you will deploy to an Azure subscription.

What should you use?

- A. Azure subscriptions
- B. Azure Security Center
- C. Azure Marketplace

D. Microsoft Store

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/ea-azure-marketplace>

### **QUESTION 77**

What does a customer provide in a software as a service (SaaS) model?

- A. application data
- B. data storage
- C. compute resources
- D. application software

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

SaaS provides a complete software solution which you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software and app data are located in the service provider's data center. The service provider manages the hardware and software and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well.

Reference:

<https://azure.microsoft.com/en-in/overview/what-is-saas/>

### **QUESTION 78**

What is the first stage in the Microsoft Cloud Adoption Framework for Azure?

- A. Adopt the cloud.
- B. Make a plan.
- C. Ready your organization.
- D. Define your strategy.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/overview>

### **QUESTION 79**

You need to manage containers.

Which two services can you use? Each correct answer presents a complete solution,

NOTE: Each correct selection is worth one point.

- A. Azure Virtual Desktop
- B. Azure virtual machines
- C. Azure Functions
- D. Azure Kubernetes Service (AKS)
- E. Azure Container Instances

**Correct Answer: DE**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 80**

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 meets the company's migration plan.

What should you create?

- A. an Azure App Service and Azure SQL databases
- B. Azure storage accounts and web server in Azure virtual machines
- C. Azure virtual machines, Azure SQL databases, and Azure Storage accounts
- D. an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed

**Correct Answer:** A

## **Explanation**

### **Explanation/Reference:**

Azure App Service and Azure SQL databases are examples of Azure PaaS solutions. Therefore, this solution does meet the goal.

#### **QUESTION 81**

What is the longest term you can purchase for Azure Reserved VM Instances?

- A. three years
- B. four years
- C. one year
- D. five years

**Correct Answer:** A

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 82**

You plan to deploy several Azure virtual machines.

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

What are two possible solutions? Each correct answer presents a complete solution.

- A. Deploy the virtual machines to two or more availability zones.
- B. Deploy the virtual machines to two or more resource groups.
- C. Deploy the virtual machines to a scale set.
- D. Deploy the virtual machines to two or more regions.

**Correct Answer:** AD

## **Explanation**

### **Explanation/Reference:**

Reference:

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

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

**QUESTION 83**

You need to collect and automatically analyze security events from Azure Active Directory(Azure AD).

What should you use?

- A. Azure Sentinel
- B. Azure Synapse Analytics
- C. Azure ADConnect
- D. Azure Key Vault

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference:

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

**QUESTION 84**

You need to consider the underlined segment to establish whether it is accurate.

All applications will remain in a hybrid environment after migrating to Microsoft Azure.

Select No adjustment required if the underlined segment is accurate.

If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. Applications that manage sensitive information
- C. Applications where access requires a USB-token device
- D. All legacy applications

**Correct Answer:** B

**Explanation**

**QUESTION 85**

Your company makes use of Platform as a Service (PaaS) for their Azure solution.

Which of the following options are components that your IT employees are responsible for?

- A. Networks.
- B. Databases.
- C. Applications.
- D. Servers.

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

References:

<https://www.itprotoday.com/industry-perspectives/choosing-cloud-model-saas-versus-paas>

**QUESTION 86**

Your company makes use of Platform as a Service (PaaS) for their Azure solution.

Which of the following options are components that Microsoft are responsible for? (Choose all that apply).

- A. Storage.

- B. Databases.
- C. Applications.
- D. Operating system.

**Correct Answer:** ABD

**Explanation**

**Explanation/Reference:**

References:

<https://www.itprotoday.com/industry-perspectives/choosing-cloud-model-saas-versus-paas>

**QUESTION 87**

Your company is planning to migrate to Microsoft Azure and Microsoft 365.

You are required to identify a cloud service that allows for website hosting.

Which of the following is the model you should choose?

- A. Software as a Service (SaaS)
- B. Platform as a Service (PaaS)
- C. Infrastructure as a Service (IaaS)
- D. Container as a Service (CaaS)

**Correct Answer:** B

**Explanation**

**QUESTION 88**

Your company is planning to migrate to Microsoft Azure and Microsoft 365.

You are required to identify a cloud service that allows for the deployment of a Linux virtual machine.

Which of the following is the model you should choose?

- A. Software as a Service (SaaS)
- B. Platform as a Service (PaaS)
- C. Infrastructure as a Service (IaaS)
- D. Container as a Service (CaaS)

**Correct Answer:** C

**Explanation**

**QUESTION 89**

You need to consider the underlined segment to establish whether it is accurate.

To ensure that when a new Microsoft Word feature is available for worker to install as soon as it becomes available, you should subscribe to the Targeted release channel.

Select No adjustment required if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. Standard release
- C. Semi-annual
- D. Annual

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/office365/admin/manage/release-options-in-office-365?view=o365-worldwide>

**QUESTION 90**

A company plans to deploy a customer relationship management (CRM) solution. The solution must provide enterprise resource planning (ERP) integration as well as artificial intelligence (AI) tools.

You need to choose a solution that meets the requirements. What should you choose?

- A. SharePoint Online
- B. Microsoft 365
- C. Power Platform
- D. Dynamics 365

**Correct Answer:** D

**Explanation**

**QUESTION 91**

A company uses Microsoft 365.

You need to assign licenses to users.

Which two portals can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Active Directory admin center
- B. Microsoft Compliance Manager
- C. Microsoft 365 admin center
- D. Security & Compliance Center

**Correct Answer:** AC

**Explanation**

**QUESTION 92**

A company uses Microsoft 365.

Employees frequently work from home. They must be able to access custom applications that are not installed on their personal laptops.

You need to identify a solution that meets the requirement.

Which solution should you choose?

- A. Microsoft Access
- B. Power Virtual Agent
- C. Microsoft Remote Assist
- D. Windows Virtual Desktop
- E. Microsoft Teams

**Correct Answer:** D

**Explanation**

**QUESTION 93**

A company uses Microsoft 365.

The company is considering using My Analytics.

You need to identify the features of My Analytics.

What are two features of My Analytics? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. suggestions in Microsoft Outlook to review outstanding tasks
- B. suggestions in Microsoft Teams to delay delivery of chat messages
- C. suggestions in Microsoft Outlook to delay delivery of emails
- D. suggestions in Teams to review outstanding tasks

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/workplace-analytics/myanalytics/use/mya-notifications>

**QUESTION 94**

A company uses Microsoft 365.

The company wants to create a chat bot for integration with Microsoft Teams.

You need to identify a solution to create the chatbot.

Which solution should you choose?

- A. Remote Assist
- B. Dynamics 365 Customer Service
- C. Power Virtual Agent
- D. Dynamics 365 Guides

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/microsoftteams/platform/bots/what-are-bots>

**QUESTION 95**

You are the Microsoft 365 administrator for a company.

You need to customize a usage report for Microsoft Yammer.

Which two tools can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Microsoft SQL Server Analysis Services
- B. Microsoft SQL Server Reporting Services
- C. Microsoft Power BI in a browser
- D. Microsoft Power BI Desktop
- E. Microsoft Visual Studio

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/office365/admin/usage-analytics/customize-reports?view=o365-worldwide>

**QUESTION 96**

A company uses Microsoft 365.

The company needs information about the collaboration patterns that impact employee productivity.

You need to identify the solution that meets the requirement.

Which solution should you choose?

- A. MyAnalytics
- B. Workplace Analytics
- C. Microsoft 365 admin center
- D. Azure Analytics

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference:

<https://www.microsoft.com/en-gb/microsoft-365/business/workplace-analytics>

**QUESTION 97**

A company uses Microsoft cloud services.

You need to change the update channels for the Microsoft 365 Apps for enterprise by using a Microsoft supported method.

Which two methods can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Windows 10 Update Assistant
- B. Group Policy
- C. Client app
- D. Office Deployment Tool
- E. Readiness Toolkit

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

After deploying Microsoft 365 Apps, you can change the update channel with Group Policy or the Office Deployment Tool (ODT).

Reference:

<https://docs.microsoft.com/en-us/deployoffice/change-update-channels>

**QUESTION 98**

A group of employees and users outside the company must be able to collaborate on a project in real time by using a whiteboard.

In the Microsoft 365 admin portal, which Office 365 product should you configure?

- A. Microsoft Yammer
- B. Microsoft Office Delve

- C. Microsoft SharePoint Online
- D. Microsoft Teams

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/microsoftteams/manage-whiteboard>

**QUESTION 99**

Your organization plans to deploy Microsoft 365 in a hybrid scenario.

You need to ensure that employees can use a smart card for authentication.

Which hybrid identity solution should you implement?

- A. password hash synchronization with single sign-on
- B. Active Directory Federation Services (AD FS)
- C. PingFederate and federation integration
- D. pass-through authentication and single sign-on

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/security/azure-ad-choose-authn>

**QUESTION 100**

You need to ensure that the process by which users sign in to Microsoft 365 confirms the identity of the user.

Which feature should you use?

- A. mobile application management (MAM)
- B. Microsoft Defender for Office365
- C. Multi-Factor Authentication (MFA)
- D. data loss prevention (DLP) policies

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Multi-Factor Authentication (MFA) is a two-step identity verification system that can be used to authenticate users.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-mfa-howitworks>

**QUESTION 101**

You are a Microsoft 365 administrator for a company.

You need to ensure that company documents are marked as confidential. You must prevent employees from sharing documents with people outside the company.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Validate outbound emails by using Domain Keys Identified Mail (DKIM)
- B. Create sensitive information types
- C. Configure Secure/Multipurpose Internet Mail Extensions (S/MIME) settings for Outlook
- D. Create a data-loss prevention policy
- E. Apply sensitivity labels to documents

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

B: Sensitive information types can also be used with the Azure Information Protection scanner to classify and protect files on premises. Sensitive information types define how the automated process recognizes specific information types such as health service numbers and credit card numbers.

E: With sensitivity labels you can classify and help protect your sensitive content. Protection options include labels, watermarks, and encryption.

Reference:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/protect-information>

## **QUESTION 102**

You are the Microsoft 365 administrator for a company.

An employee requests personal data under General Data Protection Regulation (GDPR) guidelines.

You need to retrieve data for the employee.

What should you do?

- A. Create a data subject request case.
- B. Create a retention policy.
- C. Create a data-loss prevention policy.
- D. Create a GDPR assessment.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/gdpr-dsr-office365>

## **QUESTION 103**

A company has a Microsoft 365 subscription. Employees use personal devices to access company data in the cloud.

You need to restrict employees from copying data to personal OneDrive folders.

What should you use?

- A. Information Rights Management
- B. Microsoft Azure Security Center
- C. Office365 Advanced Threat Protection
- D. Microsoft Endpoint Manager

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/intune/app-protection-policy>

**QUESTION 104**

You are the network administrator of a company.

The Microsoft 365 tenant contains sensitive information. Employees must verify their identities when they sign into Microsoft 365 by providing information in addition to their Azure AD password.

You need to select the tools that employees can use to verify their identities.

Which two tools should you select? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Customer Lockbox for Office 365
- B. Azure Security Center
- C. Windows Hello for Business
- D. Microsoft Authenticator

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

Two-step authentication can be implemented by using Windows Hello for Business or Microsoft Authenticator.

Reference:

<https://docs.microsoft.com/en-us/windows/security/identity-protection/hello-for-business/hello-manage-in-organization>

<https://support.microsoft.com/en-us/help/4026727/microsoft-account-how-to-use-the-microsoft-authenticator-app>

**QUESTION 105**

You need to move videos to a Microsoft 365 tenant and ensure that the contents are automatically transcribed.

Which Microsoft 365 service should you use?

- A. Yammer
- B. Stream
- C. Flow

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Microsoft Stream is used for video services, and includes deep search within automatic audio transcription.

Reference:

<https://docs.microsoft.com/en-us/stream/office-365-video-feature-breakdown>

**QUESTION 106**

You are the desktop administrator for an organization.

You need to ensure that Office 365 ProPlus is installed on all employee computers.

Which three tools can you use to deploy Office 365 ProPlus? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Microsoft Intune

- B. System Center Operations Manager
- C. Windows Installer (MSI) package
- D. System Center Configuration Manager
- E. Office Deployment Tool

**Correct Answer:** ADE

**Explanation**

**Explanation/Reference:**

Microsoft Intune allows you to deploy Office 365 ProPlus applications to Windows 10 devices from the cloud.

System Center Configuration Manager allows you to deploy Office 365 ProPlus to client computers from a local source, using your Configuration Manager distribution points.

The Office Deployment Tool (ODT) allows you to deploy Office 365 ProPlus to client computers from the Office Content DeliveryNetwork (CDN) or from a shared folder on your network.

**Reference:**

<https://techcommunity.microsoft.com/t5/enterprise-mobility-security/deploying-office-365-proplus-with-microsoft-intune/ba-p/250292> <https://docs.microsoft.com/en-us/DeployOffice/deploy-office-365-proplus-from-the-cloud>  
<https://docs.microsoft.com/en-us/DeployOffice/deploy-office-365-proplus-from-a-local-source>

### **QUESTION 107**

An organization uses Microsoft 365 Business to secure their data.

Many users install the organization's data on their personal tablets and phones.

You need to protect the organization's data stored on users' TM devices.

Which three features support device security? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Remotely wiping company data
- B. Enabling Advanced Threat Protection for users
- C. Disabling the device remotely
- D. Automatically deleting files after 90 days of inactivity
- E. Requiring users to have a PIN on their device

**Correct Answer:** ADE

**Explanation**

**Explanation/Reference:**

You can manage many of the Microsoft 365 Business security features in the admin center, which gives you a simplified way to turn these features on or off. In the admin center, you can do the following:

Set application management settings for Android or iOS devices.

These settings include deleting files from an inactive device after a set period, encrypting work files, requiring that users set a PIN, and so on.

Set application protection settings for Windows 10 devices.

These settings can be applied to company data on both company-owned, or personally owned devices.

Set device protection settings for Windows 10 devices.

You can enable BitLocker encryption to help protect data in case a device is lost or stolen, and enable Windows Exploit Guard to provide advanced protection against ransomware.

Remove company data from devices.

You can remotely wipe company data if a device is lost, stolen, or an employee leaves your company.

Reset Windows 10 devices to their factory settings.

You can reset any Windows 10 devices that have device protection settings applied to them.

Reference:

<https://docs.microsoft.com/en-us/microsoft-365/business/security-features>

### **QUESTION 108**

A company has offices in multiple regions. The company has a Microsoft 365 subscription.

The company is developing a line-of-business (LOB) app. The app must meet the following requirements.

1. Ensure availability regardless of an employee
2. TMs location.
3. Track the devices on which the app is installed by using Microsoft cloud services.
4. Minimize costs.

What should you do?

- A. Copy the app to Microsoft OneDrive. Allow employees to download and install the app from One Drive.
- B. Deploy the app to all devices by using Microsoft Intune.
- C. Copy the app to local servers. Allow employees to download and install the app from the servers.
- D. Deploy the app to all devices by using group policy.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/mem/intune/apps/apps-windows-10-app-deploy>

<https://docs.microsoft.com/en-us/mem/intune/apps/apps-monitor>

### **QUESTION 109**

You need to determine the lifecycle of products and features in Microsoft 365.

What should you use?

- A. support.microsoft.com
- B. Microsoft Lifecycle Services
- C. docs.microsoft.com
- D. Microsoft 365 Roadmap

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference:

<https://www.microsoft.com/en-US/microsoft-365/roadmap>

### **QUESTION 110**

You have an Azure subscription that contains a custom application named Application1. Application1 was developed by an external company named Fabrikam,Ltd. Developers at Fabrikam were assigned role-based access control (RBAC) permissions to the Application1 components. All users are licensed for the Microsoft 365 E5 plan.

You need to recommend a solution to verify whether the Fabrikam developers still require permissions to Application1. The solution must meet the following requirements:  
To the manager of the developers, send a monthly email message that lists the access permissions to Application1.  
If the manager does not verify an access permission, automatically revoke that permission. Minimize development effort.

What should you recommend?

- A. In Azure Active Directory (Azure AD), create an access review of Application1.
- B. Create an Azure Automation runbook that runs the Get-AzRoleAssignment cmdlet.
- C. In Azure Active Directory (Azure AD) Privileged Identity Management, create a custom role assignment for the Application1 resources.
- D. Create an Azure Automation runbook that runs the Get-AzureADUserAppRoleAssignment cmdlet.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/governance/manage-user-access-with-access-reviews>

### **QUESTION 11**

You have an Azure subscription. The subscription has a blob container that contains multiple blobs.

Ten users in the finance department of your company plan to access the blobs during the month of April.

You need to recommend a solution to enable access to the blobs during the month of April only.

Which security solution should you include in the recommendation?

- A. shared access signatures (SAS)
- B. Conditional Access policies
- C. certificates
- D. access keys

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Shared Access Signatures (SAS) allows for limited-time fine grained access control to resources. So you can generate URL, specify duration (for month of April) and disseminate URL to 10 team members. On May 1, the SAS token is automatically invalidated, denying team members continued access.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview>

### **QUESTION 112**

You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.

You have an internal web app named WebApp1 that is hosted on-premises. WebApp1 uses Integrated Windows authentication.

Some users work remotely and do NOT have VPN access to the on-premises network.

You need to provide the remote users with single sign-on (SSO) access to WebApp1.

Which two features should you include in the solution? Each correct answer presents part of the solution.  
NOTE: Each correct selection is worth one point.

- A. Azure AD Application Proxy
- B. Azure AD Privileged Identity Management (PIM)
- C. Conditional Access policies
- D. Azure Arc
- E. Azure AD enterprise applications
- F. Azure Application Gateway

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

A: Application Proxy is a feature of Azure AD that enables users to access on-premises web applications from a remote client. Application Proxy includes both the Application Proxy service which runs in the cloud, and the Application Proxy connector which runs on an on-premises server.

You can configure single sign-on to an Application Proxy application.

C: Microsoft recommends using Application Proxy with pre-authentication and Conditional Access policies for remote access from the internet. An approach to provide Conditional Access for intranet use is to modernize applications so they can directly authenticate with AAD.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-config-sso-how-to>  
<https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-deployment-plan>

**QUESTION 113**

You have an Azure Active Directory (Azure AD) tenant named contoso.com that has a security group named Group1. Group1 is configured for assigned membership. Group1 has 50 members, including 20 guest users.

You need to recommend a solution for evaluating the membership of Group1. The solution must meet the following requirements:

1. The evaluation must be repeated automatically every three months.
2. Every member must be able to report whether they need to be in Group1.
3. Users who report that they do not need to be in Group1 must be removed from Group1 automatically.
4. Users who do not report whether they need to be in Group1 must be removed from Group1 automatically.

What should you include in the recommendation?

- A. Implement Azure AD Identity Protection.
- B. Change the Membership type of Group1 to Dynamic User.
- C. Create an access review.
- D. Implement Azure AD Privileged Identity Management (PIM).

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Have reviews recur periodically: You can set up recurring access reviews of users at set frequencies such as weekly, monthly, quarterly or annually, and the reviewers will be notified at the start of each review. Reviewers can approve or deny access with a friendly interface and with the help of smart recommendations.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#learn-about-access-reviews>

**QUESTION 114**

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 deploys several virtual machines on-premises and to Azure. ExpressRoute is being deployed and configured for on-premises to Azure connectivity.

Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.

Solution: Use Azure Traffic Analytics in Azure Network Watcher to analyze the network traffic.

Does this meet the goal?

A. Yes

B. No

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Instead use Azure Network Watcher IP Flow Verify, which allows you to detect traffic filtering issues at a VM level.

Note: IP flow verify checks if a packet is allowed or denied to or from a virtual machine. The information consists of direction, protocol, local IP, remote IP, local port, and remote port. If the packet is denied by a security group, the name of the rule that denied the packet is returned. While any source or destination IP can be chosen, IP flow verify helps administrators quickly diagnose connectivity issues from or to the internet and from or to the on-premises environment.

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

**QUESTION 115**

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 deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity.

Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.

Solution: Use Azure Advisor to analyze the network traffic.

Does this meet the goal?

A. Yes

B. No

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Instead use Azure Network Watcher IP Flow Verify, which allows you to detect traffic filtering issues at a VM level.

Note: IP flow verify checks if a packet is allowed or denied to or from a virtual machine. The information consists of direction, protocol, local IP, remote IP, local port, and remote port. If the packet is denied by a security group, the name of the rule that denied the packet is returned. While any source or destination IP can be chosen, IP flow verify helps

administrators quickly diagnose connectivity issues from or to the internet and from or to the on-premises environment.

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

### **QUESTION 116**

You have an Azure subscription named Subscription1.

You deploy a Linux virtual machine named VM1 to Subscription1.

You need to monitor the metrics and the logs of VM1.

What should you use?

- A. Azure HDInsight
- B. Linux Diagnostic Extension (LAD) 3.0
- C. the Azure Performance Diagnostics extension
- D. Azure Analysis Services

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

You can use extensions to configure diagnostics on your VMs to collect additional metric data.

The basic host metrics are available, but to see more granular and VM-specific metrics, you need to install the Azure diagnostics extension on the VM. The Azure diagnostics extension allows additional monitoring and diagnostics data to be retrieved from the VM.

Reference:

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

### **QUESTION 117**

You plan to deploy three Azure virtual machines named VM1, VM2, and VM3. The virtual machines will host a web app named App1.

You need to ensure that at least two virtual machines are available if a single Azure datacenter becomes unavailable.

What should you deploy?

- A. all three virtual machines in a single Availability Zone
- B. all virtual machines in a single Availability Set
- C. each virtual machine in a separate Availability Zone
- D. each virtual machine in a separate Availability Set

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Use availability zones to protect from datacenter level failures.

Reference:

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

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

**QUESTION 118**

You have an Azure virtual machine named VM1 that runs Windows Server 2019.

You save VM1 as a template named Template1 to the Azure Resource Manager library.

You plan to deploy a virtual machine named VM2 from Template1.

What can you configure during the deployment of VM2?

- A. operating system
- B. administrator username
- C. virtual machine size
- D. resource group

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

When deploying a virtual machine from a template, you must specify:

1. the Resource Group name and location for the VM
2. the administrator username and password
3. an unique DNS name for the public IP

Reference:

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

**QUESTION 119**

You have an Azure subscription that contains an Azure virtual machine named VM1. VM1 runs a financial reporting app named App1 that does not support multiple active instances.

At the end of each month, CPU usage for VM1 peaks when App1 runs.

You need to create a scheduled runbook to increase the processor performance of VM1 at the end of each month.

What task should you include in the runbook?

- A. Add the Azure Performance Diagnostics agent to VM1.
- B. Modify the VM size property of VM1.
- C. Add VM1 to a scale set.
- D. Increase the vCPU quota for the subscription.
- E. Add a Desired State Configuration (DSC) extension to VM1.

**Correct Answer:** E

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/automation/automation-quickstart-dsc-configuration>

**QUESTION 120**

You plan to deploy several Azure virtual machines that will run Windows Server 2019 in a virtual machine scale set by using an Azure Resource Manager template.

You need to ensure that NGINX is available on all the virtual machines after they are deployed.

What should you use?

- A. Deployment Center in Azure App Service

- B. A Desired State Configuration (DSC) extension
- C. the New-AzConfigurationAssignment cmdlet
- D. a Microsoft Intune device configuration profile

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Azure virtual machine extensions are small packages that run post-deployment configuration and automation on Azure virtual machines.

In the following example, the Azure CLI is used to deploy a custom script extension to an existing virtual machine, which installs a Nginx webserver.

```
az vm extension set \ --resource-group myResourceGroup \
--vm-name myVM --name customScript \
--publisher Microsoft.Azure.Extensions \
--settings'{"commandToExecute":"apt-get install nginx"}
```

**Note:**

There are several versions of this question in the exam. The question has two correct answers:

- 1. a Desired State Configuration (DSC) extension
- 2. Azure Custom Script Extension

The question can have other incorrect answer options, including the following:

the Publish-AzVMDscConfiguration cmdlet

Azure Application Insights

**Reference:**

<https://docs.microsoft.com/en-us/azure/architecture/framework/devops/automation-configuration>

**QUESTION 121**

Where does Azure Monitor store performance data?

- A. a Log Analytics workspace
- B. an Azure Storage account
- C. Azure Event Hubs E3
- D. an event subscription

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 122**

Which cloud computing model includes on-premises and cloud-based resources?

- A. private
- B. public
- C. hybrid

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 123**

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

- A. enables the rapid provisioning of resources
- B. has increased administrative complexity
- C. has the same configuration options as on-premises
- D. shifts capital expenditures (CAPEX) to operating expenditures (OPEX)

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

**QUESTION 124**

You have an accounting application named App1 that uses a legacy database. You plan to move App1 to the cloud. Which service model should you use?

- A. software as a service (SaaS)
- B. infrastructure as a service (IaaS)
- C. platform as a service (PaaS)

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 125**

Which Service Level Agreement (SLA) is provided for Azure services in public preview?

- A. Each service defines its own SLA.
- B. The SLA will be 99%.
- C. The SLA will be 1% less than the general availability (GA) SLA.
- D. The SLA will be 99.95%.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 126**

Which term represents the ability to increase the computing capacity of a virtual machine by adding memory or CPUs?

- A. horizontal scaling
- B. agility
- C. elasticity
- D. vertical scaling

**Correct Answer:** D

**Explanation**

**QUESTION 127**

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 undefined 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

**Explanation**

**QUESTION 128**

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

**Explanation**

**QUESTION 129**

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. All public cloud resources can be freely accessed by every member of the public.
- C. The public cloud is a crowd-sourcing solution that provides corporations with the ability to enhance the cloud.
- D. The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

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

The hardware resources (servers, infrastructure etc.) are managed by the cloud provider. Multiple companies create resources such as virtual machines and virtual networks on the hardware resources.

**QUESTION 130**

This question requires that you evaluate the Bold 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

**Explanation**

### **QUESTION 131**

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

The Azure Standard support plan is the lowest cost option to receive 24x7 access to support engineers by phone.

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. Developer
- C. Basic
- D. Professional Direct

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

The Basic support plan is free so is therefore the cheapest. The Developer support plan is the cheapest paid-for support plan. The order of support plans in terms of cost ranging from the cheapest to most expensive is: Basic, Developer, Standard, Professional Direct, Premier.

References:

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

### **QUESTION 132**

This question requires that you evaluate the Bold 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 to the virtual machine.

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

**Explanation**

**Explanation/Reference:**

Reference:

<https://mymicrosoftexchange.wordpress.com/2019/03/20/allow-external-rdp-to-your-newly-created-azure-vm/>

**QUESTION 133**

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

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

What should you create?

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

**Correct Answer: A**

**Explanation**

**QUESTION 134**

What should you use to prevent traffic from an Azure virtual network from being routed to an Azure Storage account via the internet?

- A. a public endpoint
- B. Azure VPN Gateway
- C. a service endpoint
- D. a network security group (NSG)

**Correct Answer: D**

**Explanation**

## **Exam C**

### **QUESTION 1**

Fill in the blank

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the ( \_\_\_\_\_ ).

**Correct Answer:** networking layer

**Explanation**

**Explanation/Reference:**

### **QUESTION 2**

Fill in the blank

Requiring a user to enter a password and answer a security question when signing-in to Azure Active Directory (Azure AD) is an example of \_\_\_\_\_

**Correct Answer:** multi-factor authentication(MFA)

**Explanation**

**Explanation/Reference:**

### **QUESTION 3**

Fill in the blank

( \_\_\_\_\_ ) is a highly secure IoT solution that includes a microcontroller unit (MCU) and a customized Linux operating system.

**Correct Answer:** Azure IoT Central

**Explanation**

**Explanation/Reference:**

### **QUESTION 4**

Fill in the blank

If an Azure virtual machine has a status of Stopped (deallocated), you will continue to pay for ( \_\_\_\_\_ )

**Correct Answer:** storage

**Explanation**

**Explanation/Reference:**

### **QUESTION 5**

Fill in the blank

( \_\_\_\_\_ ) runs application code in Azure without requiring a server.

**Correct Answer:** Azure Functions

**Explanation**

**Explanation/Reference:**

### **QUESTION 6**

Fill in the blank

(\_\_\_\_\_) provide access to unused Azure compute capacity at deep discounts.

**Correct Answer:** Azure Spot virtual machine instances

**Explanation**

**Explanation/Reference:**

#### **QUESTION 7**

Fill in the blank

To save on the costs of an unused Azure virtual machine that runs Windows 10, you should

(\_\_\_\_\_)

**Correct Answer:** select Stop for the virtual machine from the Azure portal.

**Explanation**

**Explanation/Reference:**

#### **QUESTION 8**

Fill in the blank

(\_\_\_\_\_) in Azure Firewall enables users on the internet to access a server on a virtual network.

**Correct Answer:** Network Address Translation(NAT) rules

**Explanation**

**Explanation/Reference:**

#### **QUESTION 9**

Fill in the blank

You can access Compliance Manager from the (\_\_\_\_\_)

**Correct Answer:** Microsoft 365 admin center

**Explanation**

**Explanation/Reference:**

#### **QUESTION 10**

Fill in the blank

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the (\_\_\_\_\_).

**Correct Answer:** networking layer

**Explanation**

**Explanation/Reference:**

**Exam D**

**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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.	<input type="radio"/>	<input type="radio"/>
A platform as a service (PaaS) solution that hosts web apps in Azure provides the ability to scale the platform automatically..	<input type="radio"/>	<input type="radio"/>
A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

### Statements

Yes

No

A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.



A platform as a service (PaaS) solution that hosts web apps in Azure provides the ability to scale the platform automatically.



A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.



### Explanation

#### Explanation/Reference:

Box 1: No

A PaaS solution does not provide access to the operating system. The Azure Web Apps service provides an environment for you to host your web applications. Behind the scenes, the web apps are hosted on virtual machines running IIS. However, you have no direct access to the virtual machine, the operating system or IIS.

Box 2: Yes

A PaaS solution that hosts web apps in Azure does provide the ability to scale the platform automatically. This is known as autoscaling. Behind the scenes, the web apps are hosted on virtual machines running IIS. Autoscaling means adding more load balanced virtual machines to host the web apps.

Box 3: Yes

PaaS provides a framework that developers can build upon to develop or customize cloud-based applications. PaaS development tools can cut the time it takes to code new apps with pre-coded application components built into the platform, such as workflow, directory services, security features, search and so on.

#### References:

<https://azure.microsoft.com/en-gb/overview/what-is-paas/>

### QUESTION 2 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 provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx).

If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.

When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.

**Correct Answer:**

## Answer Area

### Statements

Yes

No

Azure provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx).



If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.



When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.



### Explanation

#### Explanation/Reference:

Box 1: Yes

Traditionally, IT expenses have been considered a Capital Expenditure (CapEx). Today, with the move to the cloud and the pay-as-you-go model, organizations have the ability to stretch their budgets and are shifting their IT CapEx costs to Operating Expenditures (OpEx) instead. This flexibility, in accounting terms, is now an option due to the “as a Service” model of purchasing software, cloud storage and other IT related resources.

Box 2: No

Two virtual machines using the same size could have different disk configurations. Therefore, the monthly costs could be different.

Box 3: Yes

When an Azure virtual machine is stopped, you don't pay for the virtual machine. However, you do still pay for the storage costs associated to the virtual machine. The most common storage costs are for the disks attached to the virtual machines. There are also other storage costs associated with a virtual machine such as storage for diagnostic data and virtual machine backups.

#### References:

<https://meritsolutions.com/capex-vs-opex-cloud-computing-blog/>

### QUESTION 3 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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
All the Azure resources deployed to a single resource group must share the same Azure region.	<input type="radio"/>	<input type="radio"/>
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	<input type="radio"/>	<input type="radio"/>
If you set permissions to a resource group, all the Azure resources in that resource group inherit the permissions.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## **Answer Area**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
All the Azure resources deployed to a single resource group must share the same Azure region.	<input type="radio"/>	<input checked="" type="radio"/>
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	<input type="radio"/>	<input checked="" type="radio"/>
If you set permissions to a resource group, all the Azure resources in that resource group inherit the permissions.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

**Box 1: No**

Azure resources deployed to a single resource group can be located in different regions. The resource group only contains metadata about the resources it contains.

When creating a resource group, you need to provide a location for that resource group. You may be wondering, "Why does a resource group need a location? And, if the resources can have different locations than the resource group, why does the resource group location matter at all?" The resource group stores metadata about the resources. When you specify a location for the resource group, you're specifying where that metadata is stored. For compliance reasons, you may need to ensure that your data is stored in a particular region.

**Box 2: No**

Tags for Resources are not inherited by default from their Resource Group

**Box 3: Yes**

A resource group can be used to scope access control for administrative actions. By default, permissions set at the resource level are inherited by the resources in the resource group.

References:

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

**QUESTION 4**  
**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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	<input type="radio"/>	<input checked="" type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

Box 1: No

Azure Advisor provides you with a consistent, consolidated view of recommendations for all your Azure resources. It integrates with Azure Security Center to bring you security recommendations. You can get security recommendations from the Security tab on the Advisor dashboard.

Examples of recommendations include restricting access to virtual machines by configuring Network Security Groups, enabling storage encryption, installing vulnerability assessmentsolutions.

However, Azure Advisor does not provide recommendations on how to improve the security of an Azure AD environment.

Box 2: Yes

Advisor helps you optimize and reduce your overall Azure spend by identifying idle and underutilized resources. You can get cost recommendations from the Cost tab on the Advisor dashboard.

Box 3: No.

Azure Advisor does not provide recommendations on how to configure network settings on Azure virtual machines.

#### References:

<https://docs.microsoft.com/en-us/azure/advisor/advisor-security-recommendations>

<https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations>

### QUESTION 5

#### HOTSPOT

Several support engineers plan to manage Azure by using the computers shown in the following table:

Name	Operating system
Computer1	Windows 10
Computer2	Ubuntu
Computer3	MacOS Mojave

You need to identify which Azure management tools can be used from each computer.

What should you identify for each computer? To answer, select the appropriate options in the answer area.

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

**Hot Area:**

### Answer Area

Computer1:

- The Azure CLI and the Azure portal
- The Azure portal and Azure PowerShell
- The Azure CLI and Azure PowerShell
- The Azure CLI, the Azure portal, and Azure PowerShell

Computer2:

- The Azure CLI and the Azure portal
- The Azure portal and Azure PowerShell
- The Azure CLI and Azure PowerShell
- The Azure CLI, the Azure portal, and Azure PowerShell

Computer3:

- The Azure CLI and the Azure portal
- The Azure portal and Azure PowerShell
- The Azure CLI and Azure PowerShell
- The Azure CLI, the Azure portal, and Azure PowerShell

**Correct Answer:**

## Answer Area

Computer1:

- The Azure CLI and the Azure portal
- The Azure portal and Azure PowerShell
- The Azure CLI and Azure PowerShell
- The Azure CLI, the Azure portal, and Azure PowerShell

Computer2:

- The Azure CLI and the Azure portal
- The Azure portal and Azure PowerShell
- The Azure CLI and Azure PowerShell
- The Azure CLI, the Azure portal, and Azure PowerShell

Computer3:

- The Azure CLI and the Azure portal
- The Azure portal and Azure PowerShell
- The Azure CLI and Azure PowerShell
- The Azure CLI, the Azure portal, and Azure PowerShell

### Explanation

#### Explanation/Reference:

Previously, the Azure CLI (or x-plat CLI) was the only option for managing Azure subscriptions and resources from the command-line on Linux and macOS. Now with the open source and cross-platform release of PowerShell, you'll be able to manage all your Azure resources from Windows, Linux and macOS using your tool of choice, either the Azure CLI or Azure PowerShell cmdlets.

The Azure portal runs in a web browser so can be used in either operating system.

#### References:

<https://buildazure.com/2016/08/18/powershell-now-open-source-and-cross-platform-linux-macos-windows/>

## QUESTION 6 HOTSPOT

You plan to deploy a critical line-of-business application to Azure.

The application will run on an Azure virtual machine.

You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent.

What is the minimum number of virtual machines and the minimum number of availability zones you should recommend for the deployment? To answer, select the appropriate options in the answer area.

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

#### Hot Area:

## **Answer Area**

Minimum number of virtual machines:

1	✓
2	
3	

Minimum number of availability zones:

1	✓
2	
3	

Correct Answer:

## **Answer Area**

Minimum number of virtual machines:

1	✓
2	
3	

Minimum number of availability zones:

1	✓
2	
3	

## Explanation

### Explanation/Reference:

You need a minimum of two virtual machines with each one located in a different availability zone.

Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there's a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. Zone-redundant services replicate your applications and data across Availability Zones to protect from single-points-of-failure. With Availability Zones, Azure offers industry best 99.99% VM uptime SLA.

References:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

## QUESTION 7

### HOTSPOT

You plan to implement an Azure database solution.

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

1. Can add data concurrently from multiple regions
2. Can store JSON documents

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

### Hot Area:

DATABASES (16)

 Azure Cosmos DB		 SQL databases	
 Azure Database for MySQL servers		 Azure Database for PostgreSQL servers	
 Azure Database for MariaDB servers		 SQL servers	
 SQL Data warehouses		 Azure Database Migration Services	
 Azure Cache for Redis		 SQL Server stretch databases	
 Data factories		 SQL elastic pools	
 Virtual Clusters		 Managed databases	
 Elastic Job agents	 PREVIEW	 SQL managed instances	

### Correct Answer:

DATABASES (16)

 Azure Cosmos DB		 SQL databases	
 Azure Database for MySQL servers		 Azure Database for PostgreSQL servers	
 Azure Database for MariaDB servers		 SQL servers	
 SQL Data warehouses		 Azure Database Migration Services	
 Azure Cache for Redis		 SQL Server stretch databases	
 Data factories		 SQL elastic pools	
 Virtual Clusters		 Managed databases	
 Elastic Job agents		 SQL managed instances	

### Explanation

#### Explanation/Reference:

Azure Cosmos DB is Microsoft's globally distributed, multi-model database service. With a click of a button, Cosmos DB enables you to elastically and independently scale throughput and storage across any number of Azure regions worldwide.

Azure Cosmos DB is a great way to store unstructured and JSON data. Combined with Azure Functions, Cosmos DB makes storing data quick and easy with much less code than required for storing data in a relational database.

#### References:

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

### QUESTION 8 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 an Azure Multi-Factor Authentication (MFA) solution, you must deploy a federation solution or sync on-premises identities to the cloud.	<input type="radio"/>	<input checked="" type="radio"/>
Two valid methods for Azure Multi-Factor Authentication (MFA) are picture identification and a passport number.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Multi-Factor Authentication (MFA) can be required for administrative and non-administrative user accounts.	<input checked="" type="radio"/>	<input type="radio"/>

### Correct Answer:

### Answer Area

Statements	Yes	No
To implement an Azure Multi-Factor Authentication (MFA) solution, you must deploy a federation solution or sync on-premises identities to the cloud.	<input type="radio"/>	<input checked="" type="radio"/>
Two valid methods for Azure Multi-Factor Authentication (MFA) are picture identification and a passport number.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Multi-Factor Authentication (MFA) can be required for administrative and non-administrative user accounts.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Box 1: No

It is not true that you must deploy a federation solution or sync on-premises identities to the cloud. You can have a cloud-only environment and use MFA.

Box 2: No

Picture identification and passport numbers are not valid MFA authentication methods. Valid methods include: Password, Microsoft Authenticator App, SMS and Voice call.

**Box 3:**

You can configure MFA to be required for administrator accounts only or you can configure MFA for any user account.

**References:**

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted>

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-methods>

**QUESTION 9**

**HOTSPOT**

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:**

# Microsoft Azure



New



All services



FAVORITES



Dashboard



All resources



Resource groups



App Services



Function Apps



SQL databases



Azure Cosmos DB



Virtual machines



Load balancers



Storage accounts



Virtual networks



Azure Active Directory



Monitor



Advisor



Security Center

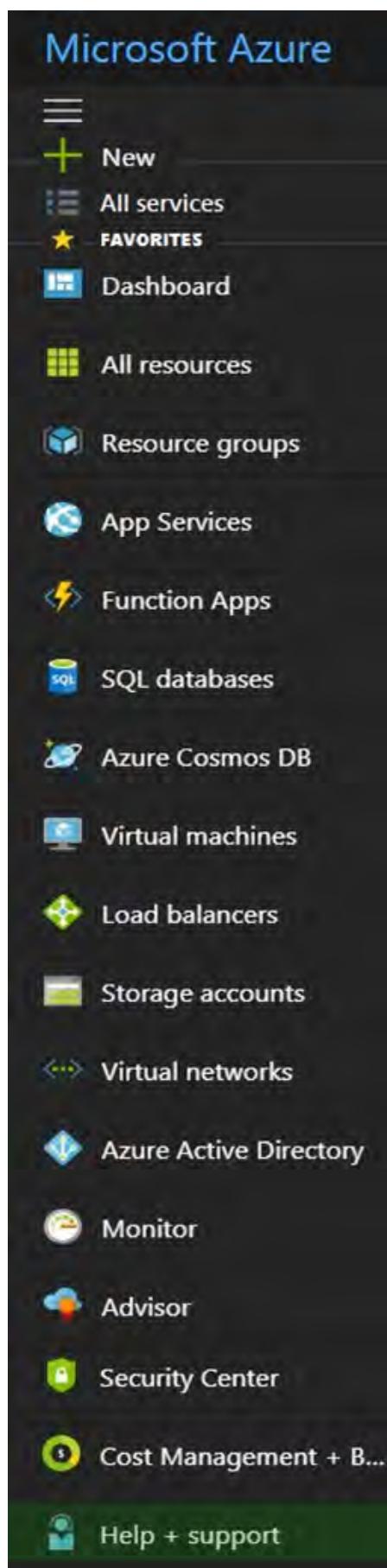


Cost Management + B...



Help + support

Correct Answer:



## **Explanation**

### **Explanation/Reference:**

On the Help and Support blade, there is a Service Health option. If you click Service Health, a new blade opens. The Service Health blade contains the Planned Maintenance link which opens a blade where you can view a list of planned maintenance events that can affect the availability of an Azure subscription.

### **QUESTION 10**

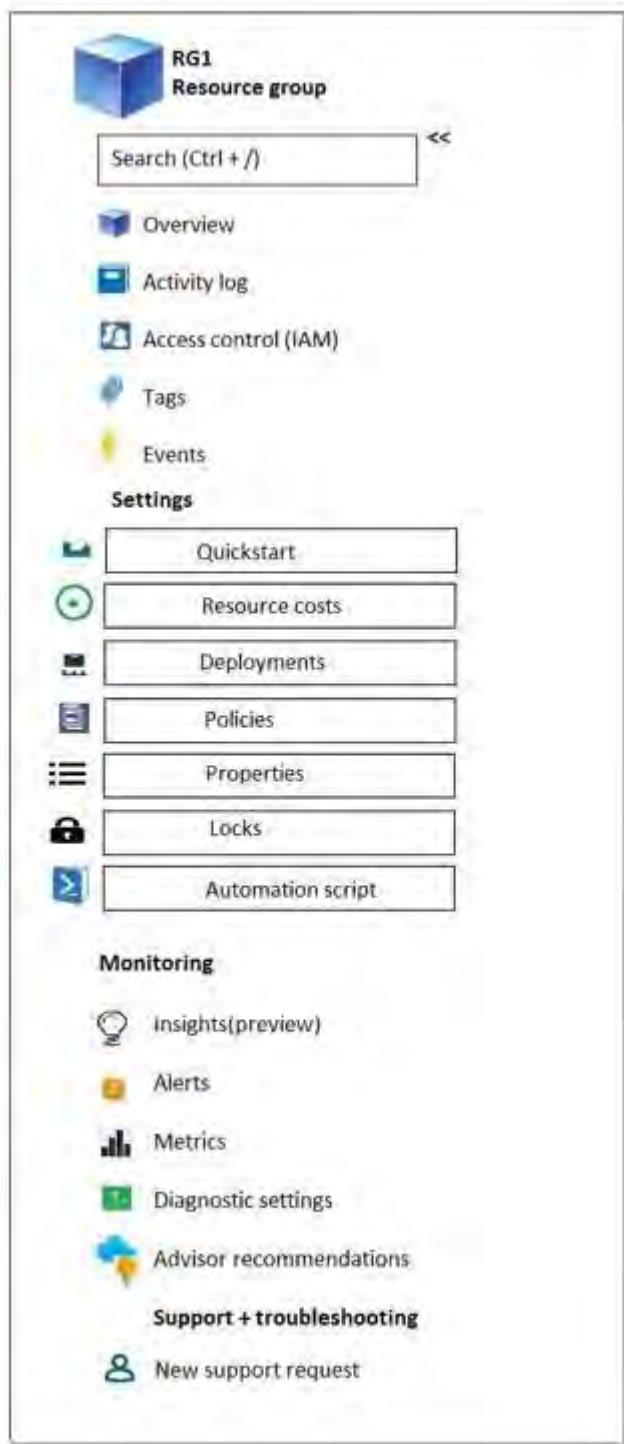
#### **HOTSPOT**

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

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

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

**Hot Area:**



**Correct Answer:**



## Explanation

### Explanation/Reference:

You can configure a lock on a resource group to prevent the accidental deletion.

As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.

1. CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.
2. ReadOnly means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by

the Reader role.

Reference:

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

**QUESTION 11**

**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
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	<input type="radio"/>	<input type="radio"/>
Azure services in public preview can be managed only by using the Azure CLI.	<input type="radio"/>	<input type="radio"/>
The cost of an Azure service in private preview decreases when the service becomes generally available.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	<input checked="" type="radio"/>	<input type="radio"/>
Azure services in public preview can be managed only by using the Azure CLI.	<input type="radio"/>	<input checked="" type="radio"/>
The cost of an Azure service in private preview decreases when the service becomes generally available.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

Box 1: Yes

Most services go to private preview then public preview before being released to general availability. The private preview is only available to certain Azure customers for evaluation purposes. The public preview is available to all Azure customers.

Box 2: No

Azure services in public preview can be managed using the regular management tools: Azure Portal, Azure CLI and PowerShell.

Box 3: No

Services in private or public preview are usually offered at reduced costs. However, the costs increase, not decrease when the services are released to general availability.

### QUESTION 12

#### HOTSPOT

Which cloud deployment solution is used for Azure virtual machines and Azure SQL databases?

To answer, select the appropriate options in the answer area.

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

**Hot Area:**

## Answer Area

Azure virtual machines:

- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Azure SQL databases:

- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Correct Answer:

## Answer Area

Azure virtual machines:

- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Azure SQL databases:

- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

## Explanation

### Explanation/Reference:

Box 1:

Azure virtual machines are Infrastructure as a Service (IaaS).

Infrastructure as a Service is the most flexible category of cloud services. It aims to give you complete control over the hardware that runs your application (IT infrastructure servers and virtual machines (VMs), storage, networks, and operating systems). Instead of buying hardware, with IaaS, you rent it.

Box 2:

Azure SQL databases are Platform as a Service (PaaS).

Azure SQL Database is a fully managed Platform as a Service (PaaS) Database Engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement. Azure SQL Database is always running on the latest stable version of SQL Server Database Engine and patched OS with 99.99% availability. PaaS capabilities that are built-in into Azure SQL database enable you to focus on the domain specific database administration and optimization activities that are critical for your business.

### References:

<https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/5-types-of-cloud-services>

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-paas-index>

### QUESTION 13

#### 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 achieve a hybrid cloud model, a company must always migrate from a private cloud model.	<input type="radio"/>	<input type="radio"/>
A company can extend the capacity of its internal network by using the public cloud.	<input type="radio"/>	<input type="radio"/>
In a public cloud model, only guest users at your company can access the resources in the cloud.	<input type="radio"/>	<input type="radio"/>

#### Correct Answer:

#### Answer Area

Statements	Yes	No
To achieve a hybrid cloud model, a company must always migrate from a private cloud model.	<input checked="" type="radio"/>	<input type="radio"/>
A company can extend the capacity of its internal network by using the public cloud.	<input checked="" type="radio"/>	<input type="radio"/>
In a public cloud model, only guest users at your company can access the resources in the cloud.	<input type="radio"/>	<input checked="" type="radio"/>

#### Explanation

##### Explanation/Reference:

Box 1: No

It is not true that a company must always migrate from a private cloud model to implement a hybrid cloud. You could start with a public cloud and then combine that with an on-premise infrastructure to implement a hybrid cloud.

Box 2: Yes

A company can extend the capacity of its internal network by using the public cloud. This is very common.

When you need more capacity, rather than pay out for new on-premises infrastructure, you can configure a cloud environment and connect your on-premises network to the cloud environment by using a VPN.

**Box 3: No**

It is not true that only guest users can access cloud resources. You can give anyone with an account in Azure Active Directory access to the cloud resources. There are many authentication scenarios but a common one is to replicate your on-premises Active Directory accounts to Azure Active Directory and provide access to the Azure Active Directory accounts. Another commonly used authentication method is 'Federation' where authentication for access to cloud resources is passed to another authentication provider such as an on-premises Active Directory.

<https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/>

**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**

An Azure service in private preview is released to all Azure customers.

An Azure service in public preview is released to all Azure customers.

An Azure service in general availability is released to a subset of Azure customers.

**Correct Answer:**

## Answer Area

### Statements

Yes

No

An Azure service in private preview is released to all Azure customers.



An Azure service in public preview is released to all Azure customers.



An Azure service in general availability is released to a subset of Azure customers.



### Explanation

### Explanation/Reference:

#### QUESTION 15

#### 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
Data that is copied to an Azure Storage account is maintained automatically in at least three copies.	<input type="radio"/>	<input type="radio"/>
All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.	<input type="radio"/>	<input type="radio"/>
An Azure Storage account can contain up to 2 TB of data and up to one million files.	<input type="radio"/>	<input type="radio"/>

### Correct Answer:

### Answer Area

Statements	Yes	No
Data that is copied to an Azure Storage account is maintained automatically in at least three copies.	<input checked="" type="radio"/>	<input type="radio"/>
All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure Storage account can contain up to 2 TB of data and up to one million files.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

Box 1: Yes

There are different replication options available with a storage account. The 'minimum' replication option is Locally Redundant Storage (LRS). With LRS, data is replicated synchronously three times within the primary region.

Box 2: No

Data is not backed up automatically to another Azure Data Center although it can be depending on the replication option configured for the account. Locally Redundant Storage (LRS) is the default which maintains three copies of the data in the data center.

Geo-redundant storage (GRS) has cross-regional replication to protect against regional outages. Data is

replicated synchronously three times in the primary region, then replicated asynchronously to the secondary region.

Box 3: No

The limits are much higher than that. The current storage limit is 2 PB for US and Europe, and 500 TB for all other regions (including the UK) with no limit on the number of files.

References:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview>

#### 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
------------	-----	----

A single Microsoft account can be used to manage multiple Azure subscriptions.

Two Azure subscriptions can be merged into a single subscription by creating a support request.

A company can store resources in multiple subscriptions.

**Correct Answer:**

## Answer Area

Statements	Yes	No
------------	-----	----

A single Microsoft account can be used to manage multiple Azure subscriptions.



Two Azure subscriptions can be merged into a single subscription by creating a support request.



A company can store resources in multiple subscriptions.



### Explanation

#### Explanation/Reference:

Box 1: Yes

You can use the same account to manage multiple subscriptions. You can create an additional subscription for your account in the Azure portal. You may want an additional subscription to avoid hitting subscription limits, to create separate environments for security, or to isolate data for compliance reasons.

Box 2: No

You cannot merge two subscriptions into a single subscription. However, you can move some Azure resources from one subscription to another. You can also transfer ownership of a subscription and change the billing type for a subscription.

Box 3: Yes

A company can have multiple subscriptions and store resources in the different subscriptions. However, a resource instance can exist in only one subscription.

#### References:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription>

### QUESTION 17

#### 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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
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"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

SLA's vary based on the resource type and the location distribution of the resource. However, the minimum uptime for all Azure services is 99.9 percent.

Box 2: Yes

The SLA guaranteed uptime is increased (usually to 99.95 percent) when resources are deployed across multiple regions.

Box 3: No

The number of subscriptions is unrelated to uptime SLA's. You can deploy resources to multiple regions under a single subscription or you can have multiple subscriptions with resources deployed to the same region.

### References:

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

## QUESTION 18

### 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
If you have Azure resources deployed to every region, you can implement availability zones in all the regions.	<input type="radio"/>	<input type="radio"/>
Only virtual machines that run Windows Server can be created in availability zones.	<input type="radio"/>	<input type="radio"/>
Availability zones are used to replicate data and applications to multiple regions.	<input type="radio"/>	<input type="radio"/>

## Correct Answer:

## Answer Area

Statements	Yes	No
If you have Azure resources deployed to every region, you can implement availability zones in all the regions.	<input type="radio"/>	<input checked="" type="radio"/>
Only virtual machines that run Windows Server can be created in availability zones.	<input type="radio"/>	<input checked="" type="radio"/>
Availability zones are used to replicate data and applications to multiple regions.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Explanation:

Box 1: No

Not all Azure regions support availability zones.

Box 2: No

Regions that support availability zones support Linux virtual machines.

Box 3: Yes

Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there's a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. Zone-redundant services replicate your applications and data across Availability Zones to protect from single-points-of-failure. With Availability Zones, Azure offers industry best 99.99% VM uptime SLA.

### References:

<https://docs.microsoft.com/en-gb/azure/availability-zones/az-overview>

## QUESTION 19

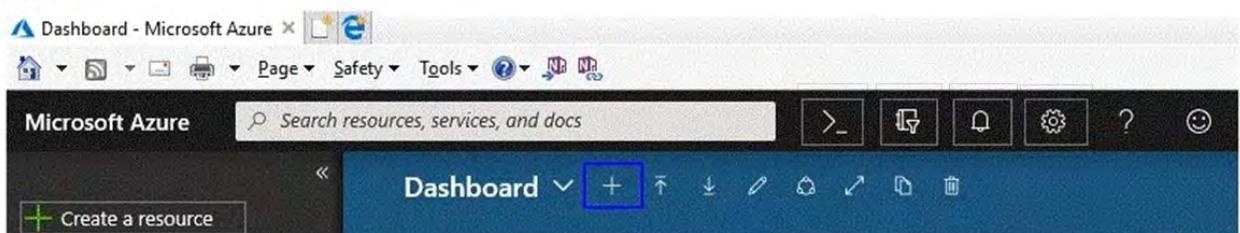
## HOTSPOT

You need to manage Azure by using Azure Cloud Shell.

Which Azure portal icon should you select? To answer, select the appropriate icon in the answer area.

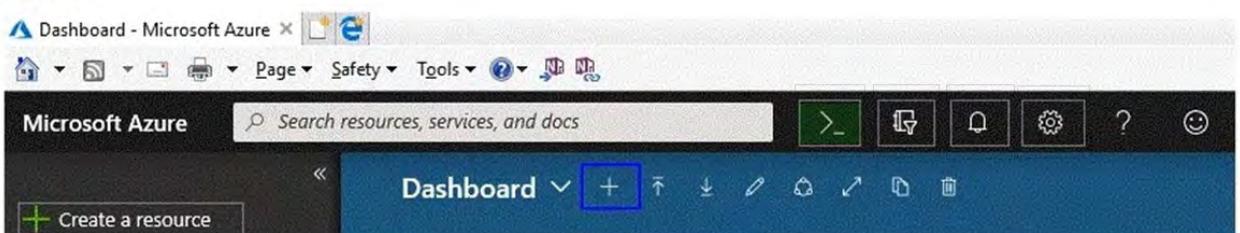
### Hot Area:

#### Answer Area



### Correct Answer:

#### Answer Area



### Explanation

#### Explanation/Reference:

You can access Azure Cloud Shell in the Azure portal by clicking the icon.

Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell.

Cloud Shell enables access to a browser-based command-line experience built with Azure management tasks in mind.

#### References:

<https://docs.microsoft.com/en-us/azure/cloud-shell/overview?view=azure-cli-latest>

**QUESTION 20**

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://

▼

admin.
portal.
www.

▼

com
azure.
azurewebsites.
microsoft.

**Correct Answer:****Answer Area**

https://

▼

admin.
portal.
www.

▼

com
azure.
azurewebsites.
microsoft.

**Explanation****Explanation/Reference:**

The Azure portal is a web-based management interface where you can view and manage all your Azure resources in one unified hub, including web apps, databases, virtual machines, virtual networks, storage and Visual Studio team projects.

The URL of the Azure portal is https://portal.azure.com.

**References:**

<https://azure.microsoft.com/en-gb/features/azure-portal/>

**QUESTION 21**

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

Correct Answer:

## Answer Area

NETWORKING (20)

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

## Explanation

### Explanation/Reference:

A Local Network Gateway is an object in Azure that represents your on-premise VPN device. A Virtual Network Gateway is the VPN object at the Azure end of the VPN. A 'connection' is what connects the Local Network Gateway and the Virtual Network Gateway to bring up the VPN.

The local network gateway typically refers to your on-premises location. You give the site a name by which Azure can refer to it, then specify the IP address of the on-premises VPN device to which you will create a connection. You also specify the IP address prefixes that will be routed through the VPN gateway to the VPN device. The address prefixes you specify are the prefixes located on your on-premises network. If your on-premises network changes or you need to change the public IP address for the VPN device, you can easily update the values later.

References:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal>

**QUESTION 22**

HOTSPOT

You plan to implement several security services for an Azure environment. You need to identify which Azure services must be used to meet the following security requirements:

1. Monitor threats by using sensors
2. Enforce Azure Multi-Factor Authentication (MFA) based on a condition

Which Azure service should you identify for each requirement? To answer, select the appropriate option in the answer area.

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

**Hot Area:**

**Answer Area**

Monitor threats by using sensors:

Azure Monitor
Azure Security Center
Azure Active Directory (Azure AD) Identity Protection
Azure Advanced Threat Protection (ATP)

Enforce Azure MFA based on a condition:

Azure Monitor
Azure Security Center
Azure Active Directory (Azure AD) Identity Protection
Azure Advanced Threat Protection (ATP)

**Correct Answer:**

## Answer Area

Monitor threats by using sensors:

Azure Monitor
Azure Security Center
Azure Active Directory (Azure AD) Identity Protection
<b>Azure Advanced Threat Protection (ATP)</b>

Enforce Azure MFA based on a condition:

Azure Monitor
Azure Security Center
<b>Azure Active Directory (Azure AD) Identity Protection</b>
Azure Advanced Threat Protection (ATP)

## Explanation

### Explanation/Reference:

Box 1:

To monitor threats by using sensors, you would use Azure Advanced Threat Protection (ATP). Azure Advanced Threat Protection (ATP) is a cloud-based security solution that leverages your on-premises Active Directory signals to identify, detect, and investigate advanced threats, compromised identities, and malicious insider actions directed at your organization.

Sensors are software packages you install on your servers to upload information to Azure ATP.

Box 2:

To enforce MFA based on a condition, you would use Azure Active Directory Identity Protection. Azure AD Identity Protection helps you manage the roll-out of Azure Multi-Factor Authentication (MFA) registration by configuring a Conditional Access policy to require MFA registration no matter what modern authentication app you are signing in to.

References:

<https://docs.microsoft.com/en-us/azure/advanced-threat-protection/what-is-atp>

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-mfa-policy>

### QUESTION 23

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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
From Azure Service Health, an administrator can view the health of all the services deployed to an Azure environment and all the other services available in Azure.	<input type="radio"/>	<input type="radio"/>
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	<input type="radio"/>	<input type="radio"/>
From Azure Service Health, an administrator can prevent a service failure from affecting a specific virtual machine.	<input type="radio"/>	<input type="radio"/>

### **Correct Answer:**

### **Answer Area**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
From Azure Service Health, an administrator can view the health of all the services deployed to an Azure environment and all the other services available in Azure.	<input checked="" type="radio"/>	<input type="radio"/>
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	<input checked="" type="radio"/>	<input type="radio"/>
From Azure Service Health, an administrator can prevent a service failure from affecting a specific virtual machine.	<input type="radio"/>	<input checked="" type="radio"/>

### **Explanation**

#### **Explanation/Reference:**

Box 1: Yes

Azure Service Health consists of three components: Azure Status, Azure Service Health and Azure Resource Health.

Azure service health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Azure Service Health experience knows which services and resources you currently use.

To view the health of all other services available in Azure, you would use the Azure Status component of Azure Service Health. Azure status informs you of service outages in Azure on the Azure Status page. The page is a global view of the health of all Azure services across all Azure regions.

Box 2: Yes

The best way to use Service Health is to set up Service Health alerts to notify you via your preferred communication channels when service issues, planned maintenance, or other changes may affect the

Azure services and regions you use.

Box 3: No

You can use Resource Health to view the health of a virtual machine. However, you cannot use Resource Health to prevent a service failure affecting the virtual machine.

Azure resource health provides information about the health of your individual cloud resources such as a specific virtual machine instance.

References:

<https://docs.microsoft.com/en-us/azure/service-health/overview>

#### QUESTION 24

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
Authorization to access Azure resources can be provided only to Azure Active Directory (Azure AD) users.	<input type="radio"/>	<input type="radio"/>
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	<input type="radio"/>	<input type="radio"/>
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

#### Answer Area

Statements	Yes	No
Authorization to access Azure resources can be provided only to Azure Active Directory (Azure AD) users.	<input type="radio"/>	<input checked="" type="radio"/>
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	<input checked="" type="radio"/>	<input type="radio"/>
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	<input checked="" type="radio"/>	<input type="radio"/>

#### Explanation

##### Explanation/Reference:

Box 1: No

Authorization to access Azure resources can be provided by other identity providers by using federation. A

commonly used example of this is to federate your on-premises Active Directory environment with Azure AD and use this federation for authentication and authorization.

Box 2: Yes

As described above, third-party cloud services and on-premises Active Directory can be used to access Azure resources. This is known as 'federation'.

Federation is a collection of domains that have established trust. The level of trust may vary, but typically includes authentication and almost always includes authorization. A typical federation might include a number of organizations that have established trust for shared access to a set of resources.

Box 3: Yes

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

### QUESTION 25

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

Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.

Azure services in public preview can be managed only by using the Azure CLI.

The cost of an Azure service in private preview decreases when the service becomes generally available.

Correct Answer:

## Answer Area

Statements	Yes	No
------------	-----	----

Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.



Azure services in public preview can be managed only by using the Azure CLI.



The cost of an Azure service in private preview decreases when the service becomes generally available.



### Explanation

### Explanation/Reference:

#### QUESTION 26

#### 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**

An Azure service in private preview is released to all Azure customers.

An Azure service in public preview is released to all Azure customers.

An Azure service in general availability is released to a subset of Azure customers.

**Correct Answer:**

## **Answer Area**

### **Statements**

**Yes**

**No**

An Azure service in private preview is released to all Azure customers.

An Azure service in public preview is released to all Azure customers.

An Azure service in general availability is released to a subset of Azure customers.

**Explanation**

**Explanation/Reference:**

Box 1: No

Most services go to private preview then public preview before being released to general availability. The private preview is only available to certain Azure customers for evaluation purposes.

Box 2: Yes

Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price.

Public previews are excluded from SLAs and in some cases, no support is offered.

Box 3: No

An Azure service in general availability is available to all Azure customers, not just a subset of the customers.

References:

<https://azure-overview.com/Home/Faq>

### QUESTION 27

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
------------	-----	----

A single Microsoft account can be used to manage multiple Azure subscriptions.

<input type="radio"/>	<input checked="" type="radio"/>
-----------------------	----------------------------------

Two Azure subscriptions can be merged into a single subscription by creating a support request.

<input checked="" type="radio"/>	<input type="radio"/>
----------------------------------	-----------------------

A company can store resources in multiple subscriptions.

<input type="radio"/>	<input checked="" type="radio"/>
-----------------------	----------------------------------

Correct Answer:

## Answer Area

Statements	Yes	No
------------	-----	----

A single Microsoft account can be used to manage multiple Azure subscriptions.



Two Azure subscriptions can be merged into a single subscription by creating a support request.



A company can store resources in multiple subscriptions.



### Explanation

#### Explanation/Reference:

#### QUESTION 28

##### 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**

The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.

Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.

Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.

**Correct Answer:**

## **Answer Area**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
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"/>

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 29**

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
If your company uses an Azure free account, you will only be exposed to a subset of Azure services.	<input type="radio"/>	<input type="radio"/>
All Azure free accounts expire after a specific period.	<input type="radio"/>	<input type="radio"/>
You can create up to 10 Azure free accounts by using the same Microsoft account.	<input type="radio"/>	<input type="radio"/>

### Correct Answer:

### Answer Area

Statements	Yes	No
If your company uses an Azure free account, you will only be exposed to a subset of Azure services.	<input type="radio"/>	<input checked="" type="radio"/>
All Azure free accounts expire after a specific period.	<input checked="" type="radio"/>	<input type="radio"/>
You can create up to 10 Azure free accounts by using the same Microsoft account.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

Box 1: No

Azure Free Account gives you 12 months access to the most popular free services. It also gives you a credit (150 GBP or 200 USD) to use on any Azure service for up to 30 days.

Box 2: Yes

All free accounts expire after 12 months.

Box 3: No

You can only create one free Azure account per Microsoft account.

#### References:

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

### QUESTION 30

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
Each Azure subscription can contain multiple account administrators.	<input type="radio"/>	<input type="radio"/>
Each Azure subscription can be managed by using a Microsoft account only.	<input type="radio"/>	<input type="radio"/>
An Azure resource group contains multiple Azure subscriptions.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

**Answer Area**

Statements	Yes	No
Each Azure subscription can contain multiple account administrators.	<input checked="" type="radio"/>	<input type="radio"/>
Each Azure subscription can be managed by using a Microsoft account only.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure resource group contains multiple Azure subscriptions.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation**

**Explanation/Reference:**

Box 1: Yes

You can assign additional account administrators in the Azure Portal.

Box 2: No

You need an Azure Active Directory account to manage a subscription, not a Microsoft account. An account is created in the Azure Active Directory when you create the subscription. Further accounts can be created in the Azure Active Directory to manage the subscription.

Box 3: No

Resource groups are logical containers for Azure resources. However, resource groups do not contain subscriptions. Subscriptions contain resource groups.

**References:**

<https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for->

**QUESTION 31**

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
In Azure Active Directory Premium, at least 99.9 percent availability is guaranteed.	<input type="radio"/>	<input type="radio"/>
The Service Level Agreement (SLA) for Azure Active Directory Basic is the same as the SLA for Azure Active Directory Free.	<input type="radio"/>	<input type="radio"/>
All paying Azure customers can claim a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

**Answer Area**

Statements	Yes	No
In Azure Active Directory Premium, at least 99.9 percent availability is guaranteed.	<input checked="" type="radio"/>	<input type="radio"/>
The Service Level Agreement (SLA) for Azure Active Directory Basic is the same as the SLA for Azure Active Directory Free.	<input type="radio"/>	<input checked="" type="radio"/>
All paying Azure customers can claim a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

Box 1: Yes

Microsoft guarantee at least 99.9% availability of the Azure Active Directory Basic and Premium services. The services are considered available in the following scenarios:

1. Users are able to login to the service, login to the Access Panel, access applications on the Access Panel and reset passwords.
2. IT administrators are able to create, read, write and delete entries in the directory or provision or de-provision users to applications in the directory.

Box 2: No

No SLA is provided for the Free tier of Azure Active Directory.

**Box 3: Yes**

You can claim credit if the availability falls below the SLA. The amount of credit depends on the availability. For example: You can claim 25% credit if the availability is less than 99.9%, 50% credit for less than 99% and 100% for less than 95% availability.

**References:**

[https://azure.microsoft.com/en-gb/support/legal/sla/active-directory/v1\\_0/](https://azure.microsoft.com/en-gb/support/legal/sla/active-directory/v1_0/)

**QUESTION 32**

**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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
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"/>

**Explanation**

**Explanation/Reference:**

Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price.

Box 1: No

Services in private preview can be viewed in the regular Azure portal. However, you need to be signed up for the feature in private preview before you can view it. Access to private preview features is usually by invitation only.

Box 2: Yes

You can use services in public preview in production environments. However, you should be aware that the service may have faults, is not subject to an SLA and may be withdrawn without notice.

Box 3: No

Public previews are excluded from SLAs and in some cases, no support is offered.

References:

<https://www.neowin.net/news/several-more-azure-services-now-available-in-private-public-preview/>

### QUESTION 33

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
A Standard support plan is included in an Azure free account.	<input type="radio"/>	<input type="radio"/>
A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA).	<input type="radio"/>	<input type="radio"/>
Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

### **Answer Area**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
A Standard support plan is included in an Azure free account.	<input type="radio"/>	<input checked="" type="radio"/>
A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA).	<input checked="" type="radio"/>	<input type="radio"/>
Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription.	<input type="radio"/>	<input checked="" type="radio"/>

### **Explanation**

#### **Explanation/Reference:**

#### **QUESTION 34**

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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
To implement a hybrid cloud model, a company must always migrate from a private cloud model.	<input type="radio"/>	<input checked="" type="radio"/>
A company can extend the computing resources of its internal network by using the public cloud.	<input checked="" type="radio"/>	<input type="radio"/>
In a public cloud model, only guest users at your company can access the resources in the cloud.	<input type="radio"/>	<input checked="" type="radio"/>

**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.

### Explanation

#### Explanation/Reference:

Box 1: No

It is not true that a company must always migrate from a private cloud model to implement a hybrid cloud. You could start with a public cloud and then combine that with an on-premise infrastructure to implement a hybrid cloud.

Box 2: Yes

A company can extend the computing resources of its internal network by using the public cloud. This is very common. When you need more resources, rather than pay out for new on-premises infrastructure, you can configure a cloud environment and connect your on-premises network to the cloud environment by using a VPN.

Box 3: No

It is not true that only guest users can access cloud resources. You can give anyone with an account in Azure Active Directory access to the cloud resources. There are many authentication scenarios but a common one is to replicate your on-premises Active Directory accounts to Azure Active Directory and provide access to the Azure Active Directory accounts. Another commonly used authentication method is 'Federation' where authentication for access to cloud resources is passed to another authentication provider such as an on-premises Active Directory.

<https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/>

### QUESTION 35

#### HOTSPOT

You need to identify which blades in the Azure portal must be used to perform the following tasks:

1. View security recommendations.
2. Monitor the health of Azure services.

3. 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:



Browse available virtual machine images:



View security recommendations:



**Correct Answer:**

## Answer Area

Monitor the health of Azure services:



Browse available virtual machine images:



View security recommendations:



### Explanation

#### Explanation/Reference:

##### Box 1:

Azure Monitor is used to monitor the health of Azure services.

Azure Monitor maximizes the availability and performance of your applications and services by delivering a comprehensive solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments. It helps you understand how your applications are performing and proactively identifies issues affecting them and the resources they depend on.

##### Box 2:

You can browse available virtual machine images in the Azure Marketplace.

Azure Marketplace provides access and information on solutions and services available from Microsoft and their partners. Customers can discover, try, or buy cloud software solutions built on or for Azure. The catalog of 8,000+ listings provides Azure building blocks, such as Virtual Machines (VMs), APIs, Azure apps, Solution Templates and managed applications, SaaS apps, containers, and consulting services.

##### Box 3.

Azure Advisor displays security recommendations.

Azure Advisor provides you with a consistent, consolidated view of recommendations for all your Azure resources. It integrates with Azure Security Center to bring you security recommendations. You can get security recommendations from the Security tab on the Advisor dashboard.

Security Center helps you prevent, detect, and respond to threats with increased visibility into and control over the security of your Azure resources. It periodically analyzes the security state of your Azure resources. When Security Center identifies potential security vulnerabilities, it creates recommendations. The recommendations guide you through the process of configuring the controls you need.

References:

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

<https://docs.microsoft.com/en-us/azure/marketplace/marketplace-faq-publisher-guide>

<https://docs.microsoft.com/en-us/azure/advisor/advisor-security-recommendations>

**QUESTION 36**

HOTSPOT

You plan to create an Azure virtual machine.

You need to identify which storage service must be used to store the data disks of the virtual machine.

What should you identify? To answer, select the appropriate service in the answer area.

**Hot Area:**

**Answer Area**

 <b>Blobs</b> REST-based object storage for unstructured data  <a href="#">Explore data using OAuth preview</a> <a href="#">Learn more</a>	 <b>Files</b> File shares that use the standard SMB 3.0 protocol  <a href="#">Learn more</a>
 <b>Tables</b> Tabular data storage  <a href="#">Learn more</a>	 <b>Queues</b> Effectively scale apps according to traffic  <a href="#">Explore data using OAuth preview</a> <a href="#">Learn more</a>

**Correct Answer:**

**Answer Area**

 <b>Blobs</b> REST-based object storage for unstructured data  <a href="#">Explore data using OAuth preview</a> <a href="#">Learn more</a>	 <b>Files</b> File shares that use the standard SMB 3.0 protocol  <a href="#">Learn more</a>
 <b>Tables</b> Tabular data storage  <a href="#">Learn more</a>	 <b>Queues</b> Effectively scale apps according to traffic  <a href="#">Explore data using OAuth preview</a> <a href="#">Learn more</a>

**Explanation**

**Explanation/Reference:**

Azure page blobs are the backbone of the virtual disks platform for Azure IaaS. Both Azure OS and data disks are implemented as virtual disks where data is durably persisted in the Azure Storage platform and then delivered to the virtual machines for maximum performance. Azure Disks are persisted in Hyper-V VHD format and stored as a page blob in Azure Storage.

**References:**

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-pageblob-overview>

**QUESTION 37****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 Advisor can generate a list of Azure virtual machines that are protected by Azure Backup.

If you implement the security recommendations provided by Azure Advisor, your company's secure score will decrease.

To maintain Microsoft support, you must implement the security recommendations provided by Azure Advisor within a period of 30 days.

**Correct Answer:**

## Answer Area

### Statements

Yes

No

Azure Advisor can generate a list of Azure virtual machines that are protected by Azure Backup.

If you implement the security recommendations provided by Azure Advisor, your company's secure score will decrease.

To maintain Microsoft support, you must implement the security recommendations provided by Azure Advisor within a period of 30 days.

## Explanation

### Explanation/Reference:

Box 1: No

Azure Advisor does not generate a list of virtual machines that ARE protected by Azure Backup. Azure Advisor does however, generate a list of virtual that ARE NOT protected by Azure Backup. You can view a list of virtual machines that are protected by Azure Backup by viewing the Protected Items in the Azure Recovery Services Vault.

Box 2: No

If you implement the security recommendations, your company's score will increase, not decrease.

Box 3: No

There is no requirement to implement the security recommendations provided by Azure Advisor. The recommendations are just that, 'recommendations'. They are not 'requirements'.

### References:

<https://azure.microsoft.com/en-gb/blog/advisor-backup-recommendations/>

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

<https://microsoft.github.io/AzureTipsAndTricks/blog/tip173.html>

## QUESTION 38

### 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.

**Explanation**

**Explanation/Reference:**

Box 1: No

Azure firewall does not encrypt network traffic. It is used to block or allow traffic based on source/destination IP address, source/destination ports and protocol.

Box 2: No

A network security group does not encrypt network traffic. It works in a similar way to a firewall in that it is used to block or allow traffic based on source/destination IP address, source/destination ports and protocol.

Box 3: No

The question is rather vague as it would depend on the configuration of the host on the Internet. Windows Server does come with a VPN client and it also supports other encryption methods such IPSec encryption or SSL/TLS so it could encrypt the traffic if the Internet host was configured to require or accept the encryption. However, the VM could not encrypt the traffic to an Internet host that is not configured to require the encryption.

**References:**

<https://docs.microsoft.com/en-us/azure/security/azure-security-data-encryption-best-practices#protect-data-in-transit>

**QUESTION 39**

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	▼	x	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	▼	x	100	▼
Maximum Available Minutes			1,440			99.99	
(Maximum Available Minutes – Downtime in Minutes)			Maximum Available Minutes			1.440	

**Explanation**

**Explanation/Reference:**

"Maximum Available Minutes" is the total accumulated minutes during a billing month .

"Downtime" is the total accumulated minutes that are part of Maximum Available Minutes where a system is unavailable.

"Monthly Uptime Percentage" for a service is calculated as Maximum Available Minutes less Downtime divided by Maximum Available Minutes x 100.

Monthly Uptime Percentage is represented by the following formula:

Monthly Uptime % = (Maximum Available Minutes-Downtime) / Maximum Available Minutes x 100.

**References:**

[https://azure.microsoft.com/en-au/support/legal/sla/cloud-services/v1\\_0/](https://azure.microsoft.com/en-au/support/legal/sla/cloud-services/v1_0/)

**QUESTION 40****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.

By copying several gigabits of data to Azure from an on-premises network over a VPN, additional data transfer costs are incurred.

By copying several GB of data from Azure to an on-premises network over a VPN, additional data transfer costs are incurred.

## Explanation

### Explanation/Reference:

Box 1: No

Resource groups are logical containers for Azure resources. You do not pay for resource groups.

Box 2: No

Data ingress over a VPN is data ~coming in TM to Azure over the VPN. You are not charged data transfer costs for data ingress.

Box 3: Yes

Data egress over a VPN is data ~going out TM of Azure over the VPN. You are charged for data egress.

### Reference:

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

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

## QUESTION 41

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

## Explanation

### Explanation/Reference:

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. This can be useful for the management of resources. For example, a virtual machine has several components (the VM itself, virtual disks, network adapter etc.). By placing the VM in its own resource group, you can delete the VM along with all its associated components by deleting the resource group. Another example is when creating a test environment. You could place the entire test environment (Network components, virtual machines etc.) in one resource group. You can then delete the entire test environment by deleting the resource group.

Box 3: Yes

Resources from multiple different regions can be placed in a resource group. The resource group only contains metadata about the resources it contains.

### 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 42****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 Pay-As-You-Go pricing is an example of CapEx.	<input type="radio"/>	<input type="radio"/>
Azure Reserved VM instances are an example of OpEx.	<input type="radio"/>	<input type="radio"/>
Deploying your own datacenter is an example of CapEx.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Reserved VM instances are an example of OpEx.	<input checked="" type="radio"/>	<input type="radio"/>
Deploying your own datacenter is an example of CapEx.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

One of the major changes that you will face when you move from on-premises cloud to the public cloud is the switch from capital expenditure (buying hardware) to operating expenditure (paying for service as you use it).

Box 1: No

With the pay-as-go model, you pay for services as you use them. This is Opex (Operational Expenditure), not CapEx (Capital Expenditure). CapEx is where you pay for something upfront. For example, buying a new physical server.

Box 2: No

A reserved instance is where you pay upfront for the use of a virtual machine for a period of time (1 or 3 years). This can save you money as you receive a discount on the cost of a VM if you pay upfront for a reserved instance. However, as this is an upfront payment, it will be classed as CapEx, not OpEx.

Box 3: Yes

Deploying your own datacenter is an example of CapEx. This is because you need to purchase all the infrastructure upfront before you can use it.

#### References:

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

### QUESTION 43

#### 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
A user who is assigned the Owner role can transfer ownership of an Azure subscription.	<input type="radio"/>	<input checked="" type="radio"/>
You can convert the Azure subscription of your company from Free Trial to Pay-As-You-Go.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure spending limit is fixed and cannot be increased or decreased.	<input type="radio"/>	<input checked="" type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
A user who is assigned the Owner role can transfer ownership of an Azure subscription.	<input checked="" type="radio"/>	<input type="radio"/>
You can convert the Azure subscription of your company from Free Trial to Pay-As-You-Go.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure spending limit is fixed and cannot be increased or decreased.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: No

You need to be an administrator of the billing account that has the subscription to be able to transfer the subscription. This could be a Billing Administrator or Global Administrator. A subscription owner can manage all resources and permissions within the subscription but cannot transfer ownership of the subscription.

Box 2: Yes

You can convert a free trial subscription to Pay-As-You-Go. This is common practice for people who wish to continue using the Azure services when the free trial period expires.

Box 3: Yes

You can remove the spending limit, but you can't increase or decrease it.

The spending limit in Azure prevents spending over your credit amount. All new customers who sign up for an Azure free account or subscription types that include credits over multiple months have the spending limit turned on by default. The spending limit is equal to the amount of credit and it can't be changed. For

example, if you signed up for Azure free account, your spending limit is \$200 and you can't change it to \$500. However, you can remove the spending limit. So, you either have no limit, or you have a limit equal to the amount of credit.

Reference:

<https://docs.microsoft.com/en-us/azure/billing/billing-add-change-azure-subscription-administrator>

<https://docs.microsoft.com/en-us/azure/billing/billing-upgrade-azure-subscription>

<https://docs.microsoft.com/en-us/azure/billing/billing-spending-limit>

#### QUESTION 44

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
With Azure Reservations, you pay less for virtual machines than with pay-as-you-go pricing.	<input type="radio"/>	<input type="radio"/>
If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.	<input type="radio"/>	<input type="radio"/>
When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
With Azure Reservations, you pay less for virtual machines than with pay-as-you-go pricing.	<input checked="" type="radio"/>	<input type="radio"/>
If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.	<input type="radio"/>	<input checked="" type="radio"/>
When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

A reservation is where you commit to pay for a resource (for example a virtual machine) for one or three years. This gives you a discounted price on the resource for the reservation period.

Box 2: No

There are other factors that influence the cost of a virtual machine such as the virtual hard disks attached to the virtual machine. You could have multiple virtual machines with the same 'size' (B2S in this case) but with different virtual hard disk configurations.

Box 3: Yes

When a virtual machine is stopped (deallocated), the virtual machine is unloaded/dismounted from the physical server in Azure. In this state, you are not charged for the virtual machine itself. However, you are still charged for the storage costs of the virtual hard disks attached to the virtual machine.

If the virtual machine is stopped but not deallocated (this happens if you shut down the virtual machine from the operating system of the virtual machine), the virtual machine is still mounted on the physical server in Azure and you are charged for the virtual machine itself as well as the storage costs. To ensure that a virtual machine is 'stopped (deallocated)', you need to stop the virtual machine in the Azure portal.

Reference:

<https://azure.microsoft.com/en-us/reservations/>

<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/b-series-burstable>

[https://blogs.technet.microsoft.com/uspartner\\_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/](https://blogs.technet.microsoft.com/uspartner_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/)

## QUESTION 45

### 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:

**Yes**

**No**

**Storing 1 TB of data in Azure Blob Storage will always cost the same, regardless of the Azure region in which the data is located.**

**When you use a general-purpose v2 Azure Storage account, you are only charged for the amount of data that is stored. All read and write operations are free.**

**Transferring data between Azure Storage accounts in different Azure regions is free.**

**Correct Answer:**

**Yes**

**No**

**Storing 1 TB of data in Azure Blob Storage will always cost the same, regardless of the Azure region in which the data is located.**

**When you use a general-purpose v2 Azure Storage account, you are only charged for the amount of data that is stored. All read and write operations are free.**

**Transferring data between Azure Storage accounts in different Azure regions is free.**

**Explanation**

**Explanation/Reference:**

Box 1: No

The price of Azure storage varies by region. If you use the Azure storage pricing page, you can select different regions and see how the price changes per region.

Box 2: No

You are charged for read and write operations in general-purpose v2 storage accounts.

Box 3: No

You would be charged for the read operations of the source storage account and write operations in the destination storage account.

**References:**

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview>

<https://azure.microsoft.com/en-gb/pricing/details/storage/blobs/>

**QUESTION 46****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:**

	<b>Yes</b>	<b>No</b>
<b>A standard support plan is included in an Azure free account.</b>	<input type="radio"/>	<input type="radio"/>
<b>A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA)</b>	<input type="radio"/>	<input type="radio"/>
<b>Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription</b>	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

	Yes	No
<b>A standard support plan is included in an Azure free account.</b>	<input type="radio"/>	<input checked="" type="radio"/>
<b>A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA)</b>	<input checked="" type="radio"/>	<input type="radio"/>
<b>Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription</b>	<input type="radio"/>	<input checked="" type="radio"/>

#### **Explanation**

##### **Explanation/Reference:**

Box 1: No

An Azure free account comes with a 'basic' support plan, not a 'standard' support plan.

Box 2: Yes

You can purchase the Professional Direct, Standard, and Developer support plans with the Microsoft Customer Agreement. You can also purchase the Professional and Standard support plans with the Enterprise Agreement.

Box 3: No

Users with any type of Azure subscription (pay-as-you-go, Enterprise Agreement, Microsoft Customer Agreement etc.) can get support from the MSDN forums.

##### **References:**

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

#### **QUESTION 47**

##### **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:**

	Yes	No
<b>Azure Active Directory (Azure AD) requires the implementation of domain controllers on Azure virtual machines.</b>	<input type="radio"/>	<input checked="" type="radio"/>
<b>Azure Active Directory (Azure AD) provides authentication services for resources hosted in Azure and Microsoft 365</b>	<input checked="" type="radio"/>	<input type="radio"/>
<b>Each user account in Azure Active Directory (Azure AD) can be assigned only one license.</b>	<input type="radio"/>	<input checked="" type="radio"/>

Correct Answer:

	Yes	No
<b>Azure Active Directory (Azure AD) requires the implementation of domain controllers on Azure virtual machines.</b>	<input checked="" type="radio"/>	<input type="radio"/>
<b>Azure Active Directory (Azure AD) provides authentication services for resources hosted in Azure and Microsoft 365</b>	<input type="radio"/>	<input checked="" type="radio"/>
<b>Each user account in Azure Active Directory (Azure AD) can be assigned only one license.</b>	<input checked="" type="radio"/>	<input type="radio"/>

Explanation

**Explanation/Reference:**

Box 1: No

Azure Active Directory (Azure AD) is a cloud-based service. It does not require domain controllers on virtual machines.

Box 2: Yes

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources and Microsoft 365.

Box 3: No

User accounts in Azure Active Directory can be assigned multiple licenses for different Azure or Microsoft 365 services.

**QUESTION 48**

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:**

	<b>Yes</b>	<b>No</b>
<b>An Azure free account has a spending limit</b>	<input type="radio"/>	<input type="radio"/>
<b>An Azure free account has a limit for the amount of data that can be uploaded to Azure.</b>	<input type="radio"/>	<input type="radio"/>
<b>An Azure free account can contain an unlimited number of web apps.</b>	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

	Yes	No
<b>An Azure free account has a spending limit</b>	<input type="radio"/>	<input checked="" type="radio"/>
<b>An Azure free account has a limit for the amount of data that can be uploaded to Azure.</b>	<input checked="" type="radio"/>	<input type="radio"/>
<b>An Azure free account can contain an unlimited number of web apps.</b>	<input type="radio"/>	<input checked="" type="radio"/>

#### Explanation

##### **Explanation/Reference:**

Box 1: Yes

An Azure free account has a spending limit. This is currently 200 USD or 150 GBP.

Box 2: No

Azure free account has a 5 GB blob storage limit and a 5 GB file storage limit.

Box 3: No

Azure free account has a limit of 10 web, mobile or API apps

##### References:

<https://azure.microsoft.com/en-us/free/>

<https://azure.microsoft.com/en-us/free/free-account-faq/>

<https://docs.microsoft.com/en-us/azure/billing/billing-avoid-charges-free-account>

#### **QUESTION 49**

##### 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:

	Yes	No
<b>Identities stored in an on-premised Active Directory can be synchronized to Azure Active Directory (Azure AD)</b>	<input type="radio"/>	<input type="radio"/>
<b>Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.</b>	<input type="radio"/>	<input type="radio"/>
<b>Azure has built-in authentication and authorization services that provide secure access to Azure resources.</b>	<input type="radio"/>	<input type="radio"/>

Correct Answer:

	Yes	No
<b>Identities stored in an on-premised Active Directory can be synchronized to Azure Active Directory (Azure AD)</b>	<input checked="" type="radio"/>	<input type="radio"/>
<b>Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.</b>	<input type="radio"/>	<input checked="" type="radio"/>
<b>Azure has built-in authentication and authorization services that provide secure access to Azure resources.</b>	<input checked="" type="radio"/>	<input type="radio"/>

Explanation

**Explanation/Reference:**

Box 1: Yes

The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronization services (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.

Box 2: No

Box 3: Yes

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.

**References:**

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-whatis>

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

**QUESTION 50****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:**

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:**

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"/>

### Explanation

#### Explanation/Reference:

Box 1: No

Resource groups are logical containers for Azure resources. You do not pay for resource groups.

Box 2: Yes

Data ingress over a VPN is data 'coming in' to Azure over the VPN. You are charged data transfer costs for data ingress.

Box 3: No

Data egress over a VPN is data 'going out' of Azure over the VPN. You are not charged for data egress.

#### 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 51

#### 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
A company can extend a private cloud by adding its own physical servers to the public cloud.	<input type="radio"/>	<input type="radio"/>
To build a hybrid cloud, you must deploy resources to the public cloud.	<input type="radio"/>	<input type="radio"/>
A private cloud must be disconnected from the internet.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
A company can extend a private cloud by adding its own physical servers to the public cloud.	<input type="radio"/>	<input checked="" type="radio"/>
To build a hybrid cloud, you must deploy resources to the public cloud.	<input checked="" type="radio"/>	<input type="radio"/>
A private cloud must be disconnected from the internet.	<input type="radio"/>	<input checked="" type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: No

You cannot add physical servers to the public cloud. You can only deploy virtual servers in the public cloud. You can extend a private cloud by deploying virtual servers in a public cloud. This would create a hybrid cloud.

Box 2: Yes

A hybrid cloud is a combination of a private cloud and public cloud. Therefore, to create a hybrid cloud, you must deploy resources to a public cloud.

Box 3: No.

It is not true that a private cloud must be disconnected from the Internet. Private clouds can be and most commonly are connected to the Internet. "Private cloud" means that the physical servers are managed by you. It does not mean that it is disconnected from the Internet.

### References:

<https://azure.microsoft.com/en-gb/overview/what-are-private-public-hybrid-clouds/>

## QUESTION 52 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
You can configure the Azure Active Directory (Azure AD) activity logs to appear in Azure Monitor.	<input type="radio"/>	<input type="radio"/>
From Azure Monitor, you can monitor resources across multiple Azure subscriptions.	<input type="radio"/>	<input type="radio"/>
From Azure Monitor, you can create alerts.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
You can configure the Azure Active Directory (Azure AD) activity logs to appear in Azure Monitor.	<input checked="" type="radio"/>	<input type="radio"/>
From Azure Monitor, you can monitor resources across multiple Azure subscriptions.	<input checked="" type="radio"/>	<input type="radio"/>
From Azure Monitor, you can create alerts.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

You can send Azure AD activity logs to Azure Monitor logs to enable rich visualizations, monitoring and alerting on the connected data.

All data collected by Azure Monitor fits into one of two fundamental types, metrics and logs (including Azure AD activity logs). Activity logs record when resources are created or modified. Metrics tell you how the resource is performing and the resources that it's consuming.

Box 2: Yes

Azure Monitor can consolidate log entries from multiple Azure resources, subscriptions, and tenants into one location for analysis together.

Box 3: Yes

You can create alerts in Azure Monitor.

Alerts in Azure Monitor proactively notify you of critical conditions and potentially attempt to take corrective

action. Alert rules based on metrics provide near real time alerting based on numeric values, while rules based on logs allow for complex logic across data from multiple sources.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/concept-activity-logs-azure-monitor>

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

**QUESTION 53**

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 Monitor can monitor the performance of on-premises computers.	<input type="radio"/>	<input type="radio"/>
Azure Monitor can send alerts to Azure Active Directory security groups.	<input type="radio"/>	<input type="radio"/>
Azure Monitor can trigger alerts based on data in an Azure Log Analytics workspace.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
Azure Monitor can monitor the performance of on-premises computers.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Monitor can send alerts to Azure Active Directory security groups.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Monitor can trigger alerts based on data in an Azure Log Analytics workspace.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

Azure Monitor maximizes the availability and performance of your applications and services by delivering a comprehensive solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments.

Box 2: Yes

Alerts in Azure Monitor proactively notify you of critical conditions and potentially attempt to take corrective action.

Box 3: Yes

Azure Monitor uses Target Resource, which is the scope and signals available for alerting. A target can be any Azure resource. Example targets: a virtual machine, a storage account, a virtual machine scale set, a Log Analytics workspace, or an Application Insights resource.

### References:

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

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-overview>

## QUESTION 54

### 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
An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.	<input type="radio"/>	<input type="radio"/>
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	<input type="radio"/>	<input type="radio"/>
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.	<input type="radio"/>	<input checked="" type="radio"/>
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	<input checked="" type="radio"/>	<input type="radio"/>
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	<input type="radio"/>	<input checked="" type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: No

An Azure AD tenant can have multiple subscriptions but an Azure subscription can only be associated with one Azure AD tenant.

Box 2: Yes

Box 3: No

If your subscription expires, you lose access to all the other resources associated with the subscription. However, the Azure AD directory remains in Azure. You can associate and manage the directory using a different Azure subscription.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-how-subscriptions-associated-directory>

**QUESTION 55**

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
An Azure resource can have multiple Delete locks.	<input type="radio"/>	<input type="radio"/>
An Azure resource inherits locks from its resource group.	<input type="radio"/>	<input type="radio"/>
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

**Answer Area**

Statements	Yes	No
An Azure resource can have multiple Delete locks.	<input checked="" type="radio"/>	<input type="radio"/>
An Azure resource inherits locks from its resource group.	<input checked="" type="radio"/>	<input type="radio"/>
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

References:

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

**QUESTION 56****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
North America is represented by a single Azure region.	<input type="radio"/>	<input type="radio"/>
Every Azure region has multiple datacenters.	<input type="radio"/>	<input type="radio"/>
Data transfers between Azure services located in different Azure regions are always free.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

**Answer Area**

Statements	Yes	No
North America is represented by a single Azure region.	<input type="radio"/>	<input checked="" type="radio"/>
Every Azure region has multiple datacenters.	<input checked="" type="radio"/>	<input type="radio"/>
Data transfers between Azure services located in different Azure regions are always free.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation****Explanation/Reference:**

Box 1: No

North America has several Azure regions, including West US, Central US, South Central US, East US, and Canada East.

Box 2: Yes

A region is a set of datacenters deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.

Box 3: No

Outbound data transfer is charged at the normal rate and inbound data transfer is free.

References:

<https://azure.microsoft.com/en-us/global-infrastructure/regions/>

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

### QUESTION 57

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
You can create Group Policies in Azure Active Directory (Azure AD).	<input type="radio"/>	<input type="radio"/>
You can join Windows 10 devices to Azure Active Directory (Azure AD).	<input type="radio"/>	<input type="radio"/>
You can join Android devices to Azure Active Directory (Azure AD).	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

### Answer Area

Statements	Yes	No
You can create Group Policies in Azure Active Directory (Azure AD).	<input checked="" type="radio"/>	<input type="radio"/>
You can join Windows 10 devices to Azure Active Directory (Azure AD).	<input checked="" type="radio"/>	<input type="radio"/>
You can join Android devices to Azure Active Directory (Azure AD).	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

Azure AD join only applies to Windows 10 devices.

References:

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/manage-group-policy>  
<https://docs.microsoft.com/en-us/azure/active-directory/devices/azureadjoin-plan>

**QUESTION 58**

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 Security Center can monitor Azure resources and on-premises resources.	<input type="radio"/>	<input type="radio"/>
All Azure Security Center features are free.	<input type="radio"/>	<input type="radio"/>
From Azure Security Center, you can download a Regulatory Compliance report.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

**Answer Area**

Statements	Yes	No
Azure Security Center can monitor Azure resources and on-premises resources.	<input checked="" type="radio"/>	<input type="radio"/>
All Azure Security Center features are free.	<input type="radio"/>	<input checked="" type="radio"/>
From Azure Security Center, you can download a Regulatory Compliance report.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

Box 1: Yes

Azure Security Center is a unified infrastructure security management system that strengthens the security

posture of your data centers, and provides advanced threat protection across your hybrid workloads in the cloud - whether they're in Azure or not - as well as on premises.

Box 2: No

Only two features: Continuous assessment and security recommendations, and Azure secure score, are free.

Box 3: Yes

The advanced monitoring capabilities in Security Center also let you track and manage compliance and governance over time. The overall compliance provides you with a measure of how much your subscriptions are compliant with policies associated with your workload.

References:

<https://docs.microsoft.com/en-us/azure/security-center/security-center-intro>

### QUESTION 59

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
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	<input type="radio"/>	<input type="radio"/>
After an Azure service becomes generally available, the service is no longer updated with new features.	<input type="radio"/>	<input type="radio"/>
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	<input checked="" type="radio"/>	<input type="radio"/>
After an Azure service becomes generally available, the service is no longer updated with new features.	<input type="radio"/>	<input checked="" type="radio"/>
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	<input type="radio"/>	<input checked="" type="radio"/>

## Explanation

### Explanation/Reference:

References:

<https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/>

## QUESTION 60

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
When using an Azure ExpressRoute connection, inbound data traffic from an on-premises network to Azure is always free.	<input type="radio"/>	<input checked="" type="radio"/>
Outbound data traffic from Azure to an on-premises network is always free.	<input checked="" type="radio"/>	<input type="radio"/>
Data traffic between Azure services within the same Azure region is always free.	<input type="radio"/>	<input checked="" type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
When using an Azure ExpressRoute connection, inbound data traffic from an on-premises network to Azure is always free.	<input checked="" type="radio"/>	<input type="radio"/>
Outbound data traffic from Azure to an on-premises network is always free.	<input type="radio"/>	<input checked="" type="radio"/>
Data traffic between Azure services within the same Azure region is always free.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

With Azure ExpressRoute, all inbound data transfer is free of charge.

Box 2: No

Inbound data traffic is free but outbound data traffic is not.

Box 3: Yes

### References:

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

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

## QUESTION 61

Several support engineers plan to manage Azure by using the computers shown in the following table:

Name	Operating system
Computer1	Windows 10
Computer2	Ubuntu
Computer3	MacOS Mojave

You need to identify which Azure management tools can be used from each computer.

What should you identify for each computer? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

## Hot Area:

**Statements**

Yes   No

Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.

Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.

Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.

 **Correct Answer:****Statements**

Yes   No

Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.

Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.

Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.

 **Explanation****Explanation/Reference:****QUESTION 62****HOTSPOT**

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

Authorization
Authentication
Federation
ticketing

is the process of verifying a user's credentials.

**Correct Answer:**

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

## Explanation

### Explanation/Reference:

Azure Databricks	
Azure Data Factory	is an Apache Spark-based analytics service.
Azure DevOps	
Azure HDInsight	

## QUESTION 63

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

From	Azure Control IAM	you can view which user turned off a specific virtual machine during the last 14 days
	Azure Event Hubs	
	Azure Activity Log	
	Azure Service Health	

### Correct Answer:

From	Azure Control IAM	you can view which user turned off a specific virtual machine during the last 14 days
	Azure Event Hubs	
	Azure Activity Log	
	Azure Service Health	

## Explanation

### Explanation/Reference:

## QUESTION 64

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

If a resource group named RG1 has a delete lock, can delete RG1	only a member of the global administrators group
	The delete lock must be removed before an administrator can delete the resource group.
	An Azure policy must be modified before an administrator can delete the resource group.
	An Azure tag must be added before an administrator can delete the resource group.

### Correct Answer:

If a resource group named RG1 has a delete lock, can delete RG1

only a member of the global administrators group  
the delete lock must be removed before an administrator  
an Azure policy must be modified before an administrator  
an Azure tag must be added before an administrator

## Explanation

### Explanation/Reference:

#### QUESTION 65

#### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

Your company implements  Azure policies  
 DDoS protection  
 Azure Information Protection  
 Azure Active Directory (Azure AD) Identity Protection  
to automatically add a watermark to Microsoft Word documents that contain credit card information.

## Correct Answer:

Your company implements  Azure policies  
 DDoS protection  
 **Azure Information Protection**  
 Azure Active Directory (Azure AD) Identity Protection  
to automatically add a watermark to Microsoft Word documents that contain credit card information.

## Explanation

### Explanation/Reference:

#### QUESTION 66

#### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

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

You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

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

**Correct Answer:**

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

You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

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

**Explanation****Explanation/Reference:****QUESTION 67****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:**

Statements	Yes	No
An Azure subscription can have multiple account administrators	<input type="radio"/>	<input type="radio"/>
An Azure subscription can be managed by using a Microsoft account only	<input type="radio"/>	<input type="radio"/>
An Azure resource group can contain multiple Azure subscriptions	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
An Azure subscription can have multiple account administrators	<input type="radio"/>	<input checked="" type="radio"/>
An Azure subscription can be managed by using a Microsoft account only	<input checked="" type="radio"/>	<input type="radio"/>
An Azure resource group can contain multiple Azure subscriptions	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation****Explanation/Reference:**

Box 1: No

A subscription can have multiple administrators, but there can only be one account administrator.

Box 2: Yes

An Azure subscription is linked to a single account, the one that was used to create the subscription and is used for billing purposes. You can have more than one subscription.

Box 3: No

A subscription can contain multiple resource groups but a resource group can only belong to one subscription. Resource groups can contain multiple resources.

Reference:

<https://k21academy.com/microsoft-azure/az-900/az-900-azure-subscriptions/>

<https://azure.microsoft.com/en-us/blog/organizing-subscriptions-and-resource-groups-within-the-enterprise/>

### QUESTION 68

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:**

Statements	Yes	No
Azure Active Directory Premium P2 guarantees at least 99.9 percent availability.	<input type="radio"/>	<input type="radio"/>
The Service Level Agreement (SLA) for Azure Active Directory Premium P2 is the same as the SLA for Azure Active Directory Free.	<input type="radio"/>	<input type="radio"/>
All paying Azure customers receive a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
Azure Active Directory Premium P2 guarantees at least 99.9 percent availability.	<input checked="" type="radio"/>	<input type="radio"/>
The Service Level Agreement (SLA) for Azure Active Directory Premium P2 is the same as the SLA for Azure Active Directory Free.	<input checked="" type="radio"/>	<input type="radio"/>
All paying Azure customers receive a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation**

**Explanation/Reference:**

### QUESTION 69

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage.

Microsoft will  refund your bank account.

migrate the resource to another subscription.

credit your Azure account.

send you a coupon code that you can redeem for Azure credits.

**Correct Answer:**

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage.

Microsoft will

- refund your bank account
- migrate the resource to another subscription
- credit your Azure account
- send you a coupon code that you can redeem for Azure credits

## Explanation

### Explanation/Reference:

## QUESTION 70

### 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:

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	<input type="checkbox"/>	<input type="checkbox"/>
Copying 10 GB of data <b>to</b> Azure <b>from</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Copying 10 GB of data <b>from</b> Azure <b>to</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Correct Answer:

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Copying 10 GB of data <b>to</b> Azure <b>from</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Copying 10 GB of data <b>from</b> Azure <b>to</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Explanation

### Explanation/Reference:

## QUESTION 71

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

You have several virtual machines in an Azure subscription. You create a new subscription.

The virtual machines cannot be moved to the new subscription.  
The virtual machines can be moved to the new subscription.  
The virtual machines can be moved to the new subscription only if they are all in the same resource group.  
The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

### Correct Answer:

You have several virtual machines in an Azure subscription. You create a new subscription.

The virtual machines cannot be moved to the new subscription.

The virtual machines can be moved to the new subscription.

The virtual machines can be moved to the new subscription only if they are all in the same resource group.

The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

## Explanation

### Explanation/Reference:

## QUESTION 72

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

You can enable just in time (JIT) VM access by using

Azure Bastion  
Azure Firewall  
Azure Front Door  
Azure Security Center

## Correct Answer:

You can enable just in time (JIT) VM access by using

Azure Bastion  
Azure Firewall  
Azure Front Door  
Azure Security Center

## Explanation

### Explanation/Reference:

## QUESTION 73

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1

cannot connect to the other virtual machines, VM1 must

be deployed to a separate virtual network.  
run a different operating system than the other virtual machines.  
be deployed to a separate resource group.  
have two network interfaces.

## Correct Answer:

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1

cannot connect to the other virtual machines, VM1 must

- be deployed to a separate virtual network.
- run a different operating system than the other virtual machines.
- be deployed to a separate resource group.
- have two network interfaces.

## Explanation

### Explanation/Reference:

#### QUESTION 74

#### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

Data that is stored in the Archive access tier of an Azure Storage account

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

## Correct Answer:

Data that is stored in the Archive access tier of an Azure Storage account

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

## Explanation

### Explanation/Reference:

#### QUESTION 75

#### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

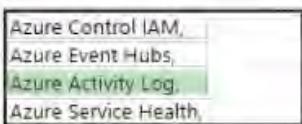
### Hot Area:

From

- Azure Control IAM.
- Azure Event Hubs.
- Azure Activity Log.
- Azure Service Health.

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

## Correct Answer:

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

### Explanation

#### Explanation/Reference:

### QUESTION 76

#### 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:

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure portal can only be accessed from a Windows device.	<input type="radio"/>	<input checked="" type="radio"/>

#### Correct Answer:

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure portal can only be accessed from a Windows device.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

### QUESTION 77

#### 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:

**Statements**

General Data Protection Regulation (GDPR) defines data protection and privacy rules.

**Yes****No**

General Data Protection Regulation (GDPR) applies to companies that offer goods or services to individuals in the EU.

**Yes****No**

Azure can be used to build a General Data Protection Regulation (GDPR)-compliant infrastructure.

**Yes****No****Correct Answer:****Statements**

General Data Protection Regulation (GDPR) defines data protection and privacy rules.

**Yes****No**

General Data Protection Regulation (GDPR) applies to companies that offer goods or services to individuals in the EU.

**Yes****No**

Azure can be used to build a General Data Protection Regulation (GDPR)-compliant infrastructure.

**Yes****No****Explanation****Explanation/Reference:****QUESTION 78****HOTSPOT**

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

An organization that hosts its infrastructure

in a private cloud
in a hybrid cloud
in the public cloud
on a Hyper-V host

no longer requires a data center.

**Correct Answer:**

An organization that hosts its infrastructure

in a private cloud
in a hybrid cloud
in the public cloud
on a Hyper-V host

no longer requires a data center.

**Explanation**

**Explanation/Reference:**

**QUESTION 79**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

Your Azure trial account expired last week.

You are now unable to

- create additional Azure Active Directory (Azure AD) user accounts.
- start an existing Azure virtual machine.
- access your data stored in Azure.
- access the Azure portal.

**Correct Answer:**

Your Azure trial account expired last week.

You are now unable to

- create additional Azure Active Directory (Azure AD) user accounts.
- start an existing Azure virtual machine.
- access your data stored in Azure.
- access the Azure portal.

**Explanation**

**Explanation/Reference:**

**QUESTION 80**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

**Answer Area**

One of the benefits of Azure SQL Data Warehouse is that

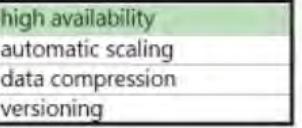
- high availability
- automatic scaling
- data compression
- versioning

is built into the platform.



**Correct Answer:**

## Answer Area

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

high availability
automatic scaling
data compression
versioning



## Explanation

### Explanation/Reference:

#### QUESTION 81

##### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

##### Hot Area:

If a resource group named RG1 has a delete lock,  
can delete RG1.

- only a member of the global administrators group
- the delete lock must be removed before an administrator
- an Azure policy must be modified before an administrator
- an Azure tag must be added before an administrator

## Correct Answer:

If a resource group named RG1 has a delete lock,  
can delete RG1.

- only a member of the global administrators group
- the delete lock must be removed before an administrator
- an Azure policy must be modified before an administrator
- an Azure tag must be added before an administrator

## Explanation

### Explanation/Reference:

#### QUESTION 82

##### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

##### Hot Area:

## Answer Area

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

- configuring high availability.
- defining scalability rules.
- installing the SaaS solution.
- configuring the SaaS solution.

**Correct Answer:**

## Answer Area

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

- configuring high availability.
- defining scalability rules.
- installing the SaaS solution.
- configuring the SaaS solution.

## Explanation

### Explanation/Reference:

When you are implementing a Software as a Service (SaaS) solution, you are responsible for configuring the SaaS solution. Everything else is managed by the cloud provider.

SaaS requires the least amount of management. The cloud provider is responsible for managing everything, and the end user just uses the software.

Software as a service (SaaS) allows users to connect to and use cloud-based apps over the Internet. Common examples are email, calendaring and office tools (such as Microsoft Office 365).

SaaS provides a complete software solution which you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software and app data are located in the service provider's data center. The service provider manages the hardware and software and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well.

### References:

<https://azure.microsoft.com/en-in/overview/what-is-saas/>

<https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/5-types-of-cloud-services>

## QUESTION 83

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## **Answer Area**

When planning to migrate a public website to Azure,  
you must plan to

- deploy a VPN.
- pay monthly usage costs.
- pay to transfer all the website data to Azure.
- reduce the number of connections to the website.

**Correct Answer:**

## **Answer Area**

When planning to migrate a public website to Azure,  
you must plan to

- deploy a VPN.
- pay monthly usage costs.
- pay to transfer all the website data to Azure.
- reduce the number of connections to the website.

## **Explanation**

### **Explanation/Reference:**

When planning to migrate a public website to Azure, you must plan to pay monthly usage costs. This is because Azure uses the pay-as-you-go model.

## **QUESTION 84**

### **HOTSPOT**

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

## Answer Area

Azure Cosmos DB is an example of a ▾ offering.

- platform as a service (PaaS)
- infrastructure as a service (IaaS)
- serverless
- software as a service (SaaS)

Correct Answer:

## Answer Area

Azure Cosmos DB is an example of a ▾ offering.

- platform as a service (PaaS)
- infrastructure as a service (IaaS)
- serverless
- software as a service (SaaS)

## Explanation

### Explanation/Reference:

Azure Cosmos DB is an example of a platform as a service (PaaS) cloud database provider.

### References:

<https://docs.microsoft.com/en-us/azure/cosmos-db/database-security>

### QUESTION 85

#### 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
You can use Availability Zones in Azure to protect Azure virtual machines from a datacenter failure.	<input type="radio"/>	<input type="radio"/>
You can use Availability Zones in Azure to protect Azure virtual machines from a region failure.	<input type="radio"/>	<input type="radio"/>
You can use Availability Zones in Azure to protect Azure managed disks from a datacenter failure.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

### Answer Area

Statements	Yes	No
You can use Availability Zones in Azure to protect Azure virtual machines from a datacenter failure.	<input checked="" type="radio"/>	<input type="radio"/>
You can use Availability Zones in Azure to protect Azure virtual machines from a region failure.	<input type="radio"/>	<input checked="" type="radio"/>
You can use Availability Zones in Azure to protect Azure managed disks from a datacenter failure.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there are a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. With Availability Zones, Azure offers industry best 99.99% VM uptime SLA. By architecting your solutions to use replicated VMs in zones, you can protect your applications and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

References:

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

**QUESTION 86**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

**Answer Area**

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must

- |   |
|---|
| be deployed to a separate virtual network.                        |
| run a different operating system than the other virtual machines. |
| be deployed to a separate resource group.                         |
| have two network interfaces.                                      |

**Correct Answer:**

**Answer Area**

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must

- |   |
|---|
| be deployed to a separate virtual network.                        |
| run a different operating system than the other virtual machines. |
| be deployed to a separate resource group.                         |
| have two network interfaces.                                      |

**Explanation**

**Explanation/Reference:**

Azure automatically routes traffic between subnets in a virtual network. Therefore, all virtual machines in a virtual network can connect to the other virtual machines in the same virtual network. Even if the virtual machines are on separate subnets within the virtual network, they can still communicate with each other.

To ensure that a virtual machine cannot connect to the other virtual machines, the virtual machine must be deployed to a separate virtual network.

References:

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

**QUESTION 87**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

## Answer Area

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

- to the same Azure region.
- by using the same Azure Resource Manager template.
- to the same resource group.
- to the same availability zone.

## Correct Answer:

## Answer Area

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

- to the same Azure region.
- by using the same Azure Resource Manager template.
- to the same resource group.
- to the same availability zone.

## Explanation

### Explanation/Reference:

A resource group is a logical container for Azure resources. Resource groups make the management of Azure resources easier.

With a resource group, you can allow a user to manage all resources in the resource group, such as virtual machines, websites, and subnets. The permissions you apply to the resource group apply to all resources contained in the resource group.

### Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview#resource-groups>  
<https://docs.microsoft.com/en-us/azure/role-based-access-control/overview>

## QUESTION 88

### HOTSPOT

You plan to create an Azure virtual machine.

You need to identify which storage service must be used to store the unmanaged data disks of the virtual machine.

What should you identify? To answer, select the appropriate service in the answer area.

### Hot Area:

## Answer Area



### Containers

Scalable, cost-effective storage for unstructured data

[Learn more](#)



### File shares

Serverless SMB file shares

[Learn more](#)



### Tables

Tabular data storage

[Learn more](#)



### Queues

Effectively scale apps according to traffic

[Learn more](#)

## Correct Answer:

## Answer Area



### Containers

Scalable, cost-effective storage for unstructured data

[Learn more](#)



### File shares

Serverless SMB file shares

[Learn more](#)



### Tables

Tabular data storage

[Learn more](#)



### Queues

Effectively scale apps according to traffic

[Learn more](#)

## Explanation

### Explanation/Reference:

Azure containers are the backbone of the virtual disks platform for Azure IaaS. Both Azure OS and data disks are implemented as virtual disks where data is durably persisted in the Azure Storage platform and then delivered to the virtual machines for maximum performance. Azure Disks are persisted in Hyper-V VHD format and stored as a page blob in Azure Storage.

### References:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-pageblob-overview>

## QUESTION 89

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## Answer Area

Data that is stored in the Archive access tier of an Azure Storage account

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

Correct Answer:

## Answer Area

Data that is stored in the Archive access tier of an Azure Storage account

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

## Explanation

### Explanation/Reference:

Azure storage offers different access tiers: hot, cool and archive.

The archive access tier has the lowest storage cost. But it has higher data retrieval costs compared to the hot and cool tiers. Data in the archive tier can take several hours to retrieve.

While a blob is in archive storage, the blob data is offline and can't be read, overwritten, or modified. To read or download a blob in archive, you must first rehydrate it to an online tier.

Example usage scenarios for the archive access tier include:

1. Long-term backup, secondary backup, and archival datasets
2. Original (raw) data that must be preserved, even after it has been processed into final usable form.
3. Compliance and archival data that needs to be stored for a long time and is hardly ever accessed.

### References:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers?tabs=azure-portal#archive-access-tier>

## QUESTION 90

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## Answer Area

Azure policies provide
Resource groups provide
Azure Resource Manager templates provide
Management groups provide

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

## Correct Answer:

## Answer Area

Azure policies provide
Resource groups provide
Azure Resource Manager templates provide
Management groups provide

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

## Explanation

### Explanation/Reference:

Azure Resource Manager templates provides a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

Azure policies are used to define rules for what can be deployed and how it should be deployed. Whilst this can help in ensuring consistency, Azure policies do not provide the common platform for deploying objects to a cloud infrastructure.

### References:

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

## QUESTION 91

### 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
From Azure Service Health, an administrator can view the health of all the services in an Azure environment.	<input type="radio"/>	<input type="radio"/>
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	<input type="radio"/>	<input type="radio"/>
From Azure Service Health, an administrator can prevent a service failure	<input type="radio"/>	<input type="radio"/>

## Correct Answer:

## Answer Area

Statements	Yes	No
From Azure Service Health, an administrator can view the health of all the services in an Azure environment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
From Azure Service Health, an administrator can prevent a service failure	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

Azure Service Health consists of three components: Azure Status, Azure Service Health and Azure Resource Health.

Azure service health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Azure Service Health experience knows which services and resources you currently use.

To view the health of all other services available in Azure, you would use the Azure Status component of Azure Service Health. Azure status informs you of service outages in Azure on the Azure Status page. The page is a global view of the health of all Azure services across all Azure regions.

Box 2: Yes

The best way to use Service Health is to set up Service Health alerts to notify you via your preferred communication channels when service issues, planned maintenance, or other changes may affect the Azure services and regions you use.

Box 3: No

You can use Resource Health to view the health of a virtual machine. However, you cannot use Resource Health to prevent a service failure affecting the virtual machine.

Azure resource health provides information about the health of your individual cloud resources such as a specific virtual machine instance.

### References:

<https://docs.microsoft.com/en-us/azure/service-health/overview>

## QUESTION 92

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## Answer Area

If a resource group named RG1 has a delete lock,

only a member of the global administrators group  
the delete lock must be removed before an administrator  
an Azure policy must be modified before an administrator  
an Azure tag must be added before an administrator

can delete RG1.

**Correct Answer:**

## Answer Area

If a resource group named RG1 has a delete lock,

only a member of the global administrators group  
**the delete lock must be removed before an administrator**  
an Azure policy must be modified before an administrator  
an Azure tag must be added before an administrator

can delete RG1.

## Explanation

### Explanation/Reference:

You can configure a lock on a resource group to prevent the accidental deletion of the resource group. The lock applies to everyone, including global administrators. If you want to delete the resource group, the lock must be removed first.

As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to **CanNotDelete** or **ReadOnly**. In the portal, the locks are called **Delete** and **Read-only** respectively.

1. **CanNotDelete** means authorized users can still read and modify a resource, but they can't delete the resource.
2. **ReadOnly** means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the **Reader** role.

Reference:

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

## QUESTION 93

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

## Answer Area

From

- Azure Control IAM,
- Azure Event Hubs,
- Azure Activity Log,
- Azure Service Health,

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

**Correct Answer:**

## Answer Area

From

- Azure Control IAM,
- Azure Event Hubs,
- Azure Activity Log,
- Azure Service Health,

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

## Explanation

### Explanation/Reference:

You would use the Azure Activity Log, not Access Control to view which user turned off a specific virtual machine during the last 14 days.

Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.

In this question, we would create a filter to display shutdown operations on the virtual machine in the last 14 days.

### Reference:

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

## QUESTION 94

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## Answer Area

Your company implements

- Azure policies
- DDoS protection
- Azure Information Protection
- Azure Active Directory (Azure AD) Identity Protection

to

automatically add a watermark to Microsoft Word documents that contain credit card information.

**Correct Answer:**

## Answer Area

Your company implements

- Azure policies
- DDoS protection
- Azure Information Protection
- Azure Active Directory (Azure AD) Identity Protection

to

automatically add a watermark to Microsoft Word documents that contain credit card information.

## Explanation

### Explanation/Reference:

Azure Information Protection is used to automatically add a watermark to Microsoft Word documents that contain credit card information.

You use Azure Information Protection labels to apply classification to documents and emails. When you do this, the classification is identifiable regardless of where the data is stored or with whom it's shared. The labels can include visual markings such as a header, footer, or watermark.

Labels can be applied automatically by administrators who define rules and conditions, manually by users, or a combination where users are given recommendations. In this question, we would configure a label to be automatically applied to Microsoft Word documents that contain credit card information. The label would then add the watermark to the documents.

### Reference:

<https://docs.microsoft.com/en-us/azure/information-protection/what-is-information-protection>

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

## QUESTION 95

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## Answer Area

You have an Azure virtual network named VNET1 in a resource group named RG1. You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

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

**Correct Answer:**

## Answer Area

You have an Azure virtual network named VNET1 in a resource group named RG1. You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

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

## Explanation

### Explanation/Reference:

The VNet will be marked as 'Non-compliant' when the policy is assigned. However, it will not be deleted and will continue to function normally.

Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements.

If there are any existing resources that aren't compliant with a new policy assignment, they appear under **Non-compliant resources**.

### References:

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

<https://docs.microsoft.com/en-us/azure/governance/policy/assign-policy-portal>

## QUESTION 96

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## Answer Area

Authorization
Authentication
Federation
Ticketing

is the process of verifying a user's credentials.

**Correct Answer:**

## Answer Area

Authorization
Authentication
Federation
Ticketing

is the process of verifying a user's credentials.

## Explanation

### Explanation/Reference:

Authentication, not authorization is the process of verifying a user's credentials.

The difference between authentication and authorization is:

1. Authentication is proving your identity, proving that you are who you say you are. The most common example of this is logging in to a system by providing credentials such as a username and password.
2. Authorization is what you're allowed to do once you've been authenticated. For example, what resources you're allowed to access and what you can do with those resources.

## QUESTION 97

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

## Answer Area

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage.

Microsoft will

- |   |
|---|
| refund your bank account.                                     |
| migrate the resource to another subscription.                 |
| credit your Azure account.                                    |
| send you a coupon code that you can redeem for Azure credits. |

**Correct Answer:**

## Answer Area

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage.

Microsoft will

- refund your bank account.
- migrate the resource to another subscription.
- credit your Azure account.
- send you a coupon code that you can redeem for Azure credits.

## Explanation

### Explanation/Reference:

If the SLA for an Azure service is not met, you receive credits for that service and that service only. The credits are deducted from your monthly bill for that service. If you stopped using the service where the SLA was not met, your account would remain in credit for that service. The credits would not be applied to any other services that you may be using.

Service Credits apply only to fees paid for the particular Service, Service Resource, or Service tier for which a Service Level has not been met. In cases where Service Levels apply to individual Service Resources or to separate Service tiers, Service Credits apply only to fees paid for the affected Service Resource or Service tier, as applicable. The Service Credits awarded in any billing month for a particular Service or Service Resource will not, under any circumstance, exceed your monthly service fees for that Service or Service Resource, as applicable, in the billing month.

References:

[https://azure.microsoft.com/en-gb/support/legal/sla/analysis-services/v1\\_0/](https://azure.microsoft.com/en-gb/support/legal/sla/analysis-services/v1_0/)

## QUESTION 98

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

## Answer Area

You have several virtual machines in an Azure subscription.

You create a new subscription.

- The virtual machines cannot be moved to the new subscription.
- The virtual machines can be moved to the new subscription.
- The virtual machines can be moved to the new subscription only if they are all in the same resource group.
- The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

Correct Answer:

## Answer Area

You have several virtual machines in an Azure subscription.  
You create a new subscription.

- The virtual machines cannot be moved to the new subscription.
- The virtual machines can be moved to the new subscription.**
- The virtual machines can be moved to the new subscription only if they are all in the same resource group.
- The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

## Explanation

### Explanation/Reference:

You can move a VM and its associated resources to a different subscription by using the Azure portal. Moving between subscriptions can be handy if you originally created a VM in a personal subscription and now want to move it to your company's subscription to continue your work. You do not need to start the VM in order to move it and it should continue to run during the move.

### References:

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

## QUESTION 99

### 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

Adding resource groups in an Azure subscription generates additional costs.

Copying 10 GB of data **to** Azure from an on-premises network over a VPN generates additional Azure data transfer costs.

Copying 10 GB of data **from** Azure **to** an on-premises network over a VPN generates additional Azure data transfer costs.

### Correct Answer:

## Answer Area

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	<input type="radio"/>	<input checked="" type="radio"/>
Copying 10 GB of data <b>to</b> Azure <b>from</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="radio"/>	<input checked="" type="radio"/>
Copying 10 GB of data <b>from</b> Azure <b>to</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Box 1: No

Resource groups are logical containers for Azure resources. You do not pay for resource groups.

Box 2: No

Data ingress over a VPN is data 'coming in' to Azure over the VPN. You are not charged data transfer costs for data ingress.

Box 3: Yes

Data egress over a VPN is data 'going out' of Azure over the VPN. You are charged for data egress.

#### 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 100

#### 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:

Statements	Yes	No
You can nest resource groups.	<input type="radio"/>	<input type="radio"/>
An Azure virtual machine can be in multiple resource groups.	<input type="radio"/>	<input type="radio"/>

#### Correct Answer:

Statements	Yes	No
You can nest resource groups.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure virtual machine can be in multiple resource groups.	<input checked="" type="radio"/>	<input type="radio"/>

#### Explanation

#### Explanation/Reference:

#### QUESTION 101

##### 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:

Statements	Yes	No
Azure resources can only access other resources in the same resource group.	<input type="radio"/>	<input checked="" type="radio"/>
If you delete a resource group, all the resources in the resource group will be deleted.	<input type="radio"/>	<input checked="" type="radio"/>

#### Correct Answer:

Statements	Yes	No
Azure resources can only access other resources in the same resource group.	<input checked="" type="radio"/>	<input type="radio"/>
If you delete a resource group, all the resources in the resource group will be deleted.	<input checked="" type="radio"/>	<input type="radio"/>

#### Explanation

#### Explanation/Reference:

#### QUESTION 102

##### 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:

Statements	Yes	No
If your company uses an Azure free account, you can only deploy Azure virtual machines and Azure storage accounts.	<input type="radio"/>	<input checked="" type="radio"/>
All Azure free accounts expire after a specific period.	<input type="radio"/>	<input checked="" type="radio"/>
You can create up to 10 Azure free accounts by using the same Microsoft account.	<input type="radio"/>	<input checked="" type="radio"/>

**Correct Answer:**

Statements	Yes	No
If your company uses an Azure free account, you can only deploy Azure virtual machines and Azure storage accounts.	<input type="radio"/>	<input checked="" type="radio"/>
All Azure free accounts expire after a specific period.	<input checked="" type="radio"/>	<input type="radio"/>
You can create up to 10 Azure free accounts by using the same Microsoft account.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation**

**Explanation/Reference:**

**QUESTION 103**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

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

**Correct Answer:**

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

#### Explanation

Explanation/Reference:

#### QUESTION 104

##### 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:

Statements	Yes	No
Availability zones can be implemented in all Azure regions.	<input type="radio"/>	<input checked="" type="radio"/>
Only virtual machines that run Windows Server can be created in availability zones.	<input type="radio"/>	<input checked="" type="radio"/>
Availability zones are used to replicate data and applications to multiple regions.	<input type="radio"/>	<input checked="" type="radio"/>

#### Correct Answer:

Statements	Yes	No
Availability zones can be implemented in all Azure regions.	<input checked="" type="radio"/>	<input type="radio"/>
Only virtual machines that run Windows Server can be created in availability zones.	<input type="radio"/>	<input checked="" type="radio"/>
Availability zones are used to replicate data and applications to multiple regions.	<input type="radio"/>	<input checked="" type="radio"/>

#### Explanation

Explanation/Reference:

**QUESTION 105**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

An organization that hosts its infrastructure

	▼				
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">in a private cloud</td></tr><tr><td style="padding: 2px 5px;">in a hybrid cloud</td></tr><tr><td style="padding: 2px 5px;">in the public cloud</td></tr><tr><td style="padding: 2px 5px;">on a Hyper-V host</td></tr></table>		in a private cloud	in a hybrid cloud	in the public cloud	on a Hyper-V host
in a private cloud					
in a hybrid cloud					
in the public cloud					
on a Hyper-V host					

no longer requires a data center.

**Correct Answer:**

An organization that hosts its infrastructure

	▼				
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">in a private cloud</td></tr><tr><td style="padding: 2px 5px;">in a hybrid cloud</td></tr><tr><td style="padding: 2px 5px; background-color: #c0e0c0;">in the public cloud</td></tr><tr><td style="padding: 2px 5px;">on a Hyper-V host</td></tr></table>		in a private cloud	in a hybrid cloud	in the public cloud	on a Hyper-V host
in a private cloud					
in a hybrid cloud					
in the public cloud					
on a Hyper-V host					

no longer requires a data center.

**Explanation****Explanation/Reference:**

A private cloud is hosted in your datacenter. Therefore, you cannot close your datacenter if you are using a private cloud.

A public cloud is hosted externally, for example, in Microsoft Azure. An organization that hosts its infrastructure in a public cloud can close its data center.

Public cloud is the most common deployment model. In this case, you have no local hardware to manage or keep up-to-date – everything runs on your cloud provider's hardware.

Microsoft Azure is an example of a public cloud provider.

In a private cloud, you create a cloud environment in your own datacenter and provide self-service access to compute resources to users in your organization. This offers a simulation of a public cloud to your users, but you remain completely responsible for the purchase and maintenance of the hardware and software services you provide.

**Reference:**

<https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models>

**QUESTION 106**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

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

**Correct Answer:**

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

**Explanation**

**Explanation/Reference:**

Composite SLAs involve multiple services supporting an application, each with differing levels of availability. For example, consider an App Service web app that writes to Azure SQL Database. At the time of this writing, these Azure services have the following SLAs:

1. App Service web apps = 99.95%
2. SQL Database = 99.99%

What is the maximum downtime you would expect for this application? If either service fails, the whole application fails. The probability of each service failing is independent, so the composite SLA for this application is  $99.95\% \times 99.99\% = 99.94\%$ . That's lower than the individual SLAs, which isn't surprising because an application that relies on multiple services has more potential failure points.

**Reference:**

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

**QUESTION 107**

**HOTSPOT**

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

Azure Site Recovery provides

for virtual machines.

- fault tolerance
- disaster recovery
- elasticity
- high availability

**Correct Answer:**

Azure Site Recovery provides

<b>fault tolerance</b>
disaster recovery
elasticity
high availability

for virtual machines.

### Explanation

#### Explanation/Reference:

Azure Site Recovery helps ensure business continuity by keeping business apps and workloads running during outages. Site Recovery replicates workloads running on physical and virtual machines (VMs) from a primary site to a secondary location.

Reference:

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

### QUESTION 108

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

After you create a virtual machine, you need to modify the

<b>network security group (NSG)</b>
virtual network gateway
virtual network
route table

to allow connections to TCP port 8080 on the virtual machine.

**Correct Answer:**

After you create a virtual machine, you need to modify the

<b>network security group (NSG)</b>
virtual network gateway
virtual network
route table

to allow connections to TCP port 8080 on the virtual machine.

### Explanation

#### Explanation/Reference:

When you create a virtual machine, the default setting is to create a Network Security Group attached to the network interface assigned to a virtual machine.

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a

virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 8080.

Reference:

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

#### QUESTION 109

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

**Answer Area**

The

- Microsoft Online Services Privacy Statement
- Microsoft Online Services Terms
- Microsoft Online Service Level Agreement
- Online Subscription Agreement for Microsoft Azure

explains what data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data.

Correct Answer:

**Answer Area**

The

- Microsoft Online Services Privacy Statement
- Microsoft Online Services Terms
- Microsoft Online Service Level Agreement
- Online Subscription Agreement for Microsoft Azure

explains what data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data.

#### Explanation

##### Explanation/Reference:

The Microsoft Privacy Statement explains what personal data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data

Reference:

<https://privacy.microsoft.com/en-us/privacystatement>

#### QUESTION 110

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

An Azure Policy initiative is a

- collection of policy definitions
- collection of Azure Policy definition assignments
- group of Azure Blueprints definitions
- group of role-based access control (RBAC) role assignments

**Correct Answer:**

An Azure Policy initiative is a

- collection of policy definitions
- collection of Azure Policy definition assignments
- group of Azure Blueprints definitions
- group of role-based access control (RBAC) role assignments

**Explanation**

**Explanation/Reference:**

Reference:

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

**QUESTION 111**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

**Answer Area**

All Azure services that are in public preview are

- provided without any documentation
- only configurable from Azure CLI
- excluded from the Service Level Agreements
- only configurable from the Azure portal

**Correct Answer:**

## Answer Area

All Azure services that are in public preview are

provided without any documentation
only configurable from Azure CLI
excluded from the Service Level Agreements
only configurable from the Azure portal

### Explanation

#### Explanation/Reference:

Preview features are made available to you on the condition that you accept additional terms which supplement the regular Azure terms. The supplemental terms state:

PREVIEWS ARE PROVIDED "AS-IS," "WITH ALL FAULTS," AND "AS AVAILABLE," AND ARE EXCLUDED FROM THE SERVICE LEVEL AGREEMENTS AND LIMITED WARRANTY.

Reference:

<https://azure.microsoft.com/en-gb/support/legal/preview-supplemental-terms/>

### QUESTION 112

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

## Answer Area

An Azure service is available to all Azure customers when it is in

public preview
private preview
development
an Enterprise Agreement (EA) subscription

Correct Answer:

## Answer Area

An Azure service is available to all Azure customers when it is in

public preview	▼
private preview	
development	
an Enterprise Agreement (EA) subscription	

### Explanation

#### Explanation/Reference:

Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price.

Public previews are excluded from SLAs and in some cases, no support is offered.

Incorrect Answers:

1. Services in private preview are available only to selected people who has signed up to the private preview program.
2. Services in development are not available to the public.
3. Services provided under an Enterprise Agreement (EA) subscription are available only to the subscription owner.

Reference:

<https://www.neowin.net/news/several-more-azure-services-now-available-in-private-public-preview/>

### QUESTION 113

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Your Azure trial account expired last week.

You are now unable to

Create additional Azure Active Directory (Azure AD) user accounts	▼
start an existing Azure virtual machine	
access your data stored in Azure	
access the Azure portal	

Correct Answer:

Your Azure trial account expired last week.

You are now unable to

Create additional Azure Active Directory (Azure AD) user accounts
start an existing Azure virtual machine
access your data stored in Azure
access the Azure portal

### Explanation

#### Explanation/Reference:

A stopped (deallocated) VM is offline and not mounted on an Azure host server. Starting a VM mounts the VM on a host server before the VM starts. As soon as the VM is mounted, it becomes chargeable. For this reason, you are unable to start a VM after a trial has expired.

Incorrect Answers:

1. You are not charged for Azure Active Directory user accounts so you can continue to create accounts.
2. You can access data that is already stored in Azure.
3. You can access the Azure Portal. You can also reactivate and upgrade the expired subscription in the portal.

### QUESTION 114

#### 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:

Statements	Yes	No
An Azure subscription can have multiple account administrators	<input type="radio"/>	<input type="radio"/>
An Azure subscription can be managed by using a Microsoft account only	<input type="radio"/>	<input type="radio"/>
An Azure resource group can contain multiple Azure subscriptions	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
An Azure subscription can have multiple account administrators	<input type="radio"/>	<input checked="" type="radio"/>
An Azure subscription can be managed by using a Microsoft account only	<input checked="" type="radio"/>	<input type="radio"/>
An Azure resource group can contain multiple Azure subscriptions	<input type="radio"/>	<input checked="" type="radio"/>

#### Explanation

**Explanation/Reference:**

#### QUESTION 115

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

#### Answer Area

You can enable just in time (JIT) VM access by using

- Azure Bastion
- Azure Firewall
- Azure Front Door
- Azure Security Center

**Correct Answer:**

#### Answer Area

You can enable just in time (JIT) VM access by using

- Azure Bastion
- Azure Firewall
- Azure Front Door
- Azure Security Center

#### Explanation

**Explanation/Reference:**

The just-in-time (JIT) virtual machine (VM) access feature in Azure Security Center allows you to lock down inbound traffic to your Azure Virtual Machines. This reduces exposure to attacks while providing easy access when you need to connect to a VM.

Reference:

<https://docs.microsoft.com/en-us/azure/security-center/security-center-just-in-time?tabs=jit-config-asc%2Cjit-request-asc>

#### QUESTION 116

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

A Platform as a Service (PaaS) solution provides full control of operating systems that host applications.

A Platform as a Service (PaaS) solution provides additional memory to apps by changing pricing tiers.

A Platform as a Service (PaaS) solution can automatically scale the number of instances.

Correct Answer:

#### Answer Area

##### Statements

Yes      No

A Platform as a Service (PaaS) solution provides full control of operating systems that host applications.

A Platform as a Service (PaaS) solution provides additional memory to apps by changing pricing tiers.

A Platform as a Service (PaaS) solution can automatically scale the number of instances.

#### Explanation

#### Explanation/Reference:

**QUESTION 117****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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Building a data center infrastructure is an example of operational expenditure (OpEx) costs.	<input type="radio"/>	<input type="radio"/>
Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.	<input type="radio"/>	<input type="radio"/>
Leasing software is an example of operational expenditure (OpEx) costs.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

**Answer Area**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Building a data center infrastructure is an example of operational expenditure (OpEx) costs.	<input type="radio"/>	<input checked="" type="radio"/>
Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.	<input checked="" type="radio"/>	<input type="radio"/>
Leasing software is an example of operational expenditure (OpEx) costs.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation****Explanation/Reference:**

Box 1: No

Building a data center infrastructure is capital expenditure, not operation expenditure.

Box 2: Yes

OpEx is ongoing costs (costs of operations) such as staff salaries.

Box 2: Yes

OpEx is ongoing costs (costs of operations) such as leasing software. If you purchased software as a one-

off purchase, that would be CapEx, but leasing software is ongoing so it's OpEx.

#### QUESTION 118

##### 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
Availability zones can be implemented in all Azure regions.	<input type="radio"/>	<input type="radio"/>
Only virtual machines that run Windows Server can be created in availability zones.	<input type="radio"/>	<input type="radio"/>
Availability zones are used to replicate data and applications to multiple regions.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

#### Answer Area

Statements	Yes	No
Availability zones can be implemented in all Azure regions.	<input type="radio"/>	<input checked="" type="radio"/>
Only virtual machines that run Windows Server can be created in availability zones.	<input checked="" type="radio"/>	<input type="radio"/>
Availability zones are used to replicate data and applications to multiple regions.	<input type="radio"/>	<input checked="" type="radio"/>

#### Explanation

##### Explanation/Reference:

Box 1: No

Not all Azure regions support availability zones.

Box 2: No

Availability zones can be used with many Azure services, not just VMs.

Box 3: No

Availability Zones are unique physical locations within a single Azure region.

##### Reference:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-region#azure-regions-with-availability-zones>

**QUESTION 119**

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**

You can associate a network security group (NSG) to a virtual network subnet.

You can associate a network security group (NSG) to a virtual network.

You can associate a network security group (NSG) to a network interface.

Correct Answer:

**Answer Area****Statements****Yes      No**

You can associate a network security group (NSG) to a virtual network subnet.

You can associate a network security group (NSG) to a virtual network.

You can associate a network security group (NSG) to a network interface.

 **Explanation****Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-network/network-security-group-how-it-works>**QUESTION 120**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

### **Answer Area**

Resource groups
Management groups
Azure policies
Azure App Service plans

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

**Correct Answer:**

### **Answer Area**

Resource groups
Management groups
Azure policies
Azure App Service plans

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

### **Explanation**

#### **Explanation/Reference:**

Reference:

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

### **QUESTION 121**

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**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
General Data Protection Regulation (GDPR) defines data protection and privacy rules.	<input type="radio"/>	<input type="radio"/>
General Data Protection Regulation (GDPR) applies to companies that offer goods or services to individuals in the EU.	<input type="radio"/>	<input type="radio"/>
Azure can be used to build a General Data Protection Regulation (GDPR)-compliant infrastructure.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
General Data Protection Regulation (GDPR) defines data protection and privacy rules.	<input checked="" type="radio"/>	<input type="radio"/>
General Data Protection Regulation (GDPR) applies to companies that offer goods or services to individuals in the EU.	<input checked="" type="radio"/>	<input type="radio"/>
Azure can be used to build a General Data Protection Regulation (GDPR)-compliant infrastructure.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Reference:

<https://azure.microsoft.com/en-gb/blog/new-capabilities-to-enable-robust-gdpr-compliance/>

## QUESTION 122

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
You can add an Azure Resource Manager template to an Azure blueprint.	<input type="radio"/>	<input checked="" type="radio"/>
You can assign an Azure blueprint to a resource group.	<input type="radio"/>	<input checked="" type="radio"/>
You can use Azure Blueprints to grant permissions to a resource.	<input type="radio"/>	<input checked="" type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
You can add an Azure Resource Manager template to an Azure blueprint.	<input checked="" type="radio"/>	<input type="radio"/>
You can assign an Azure blueprint to a resource group.	<input type="radio"/>	<input checked="" type="radio"/>
You can use Azure Blueprints to grant permissions to a resource.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Reference:

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

### QUESTION 123

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 China is operated by Microsoft.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Government is operated by Microsoft.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Government is available only to US government agencies and their partners.	<input checked="" type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
Azure China is operated by Microsoft.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Government is operated by Microsoft.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Government is available only to US government agencies and their partners.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/china/overview-operations>

<https://docs.microsoft.com/en-us/azure/azure-government/documentation-government-welcome>

### QUESTION 124

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

## Answer Area

An Azure web app that queries an on-premises Microsoft SQL server is an example of a   cloud.

hybrid
multi-vendor
private
public

Correct Answer:

## Answer Area

An Azure web app that queries an on-premises Microsoft SQL server is an example of a cloud.

hybrid
multi-vendor
private
public

## Explanation

### Explanation/Reference:

Reference:

<https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/>

## QUESTION 125

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
With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.	<input type="radio"/>	<input type="radio"/>
With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.	<input type="radio"/>	<input type="radio"/>
Serverless computing is an example of a consumption-based plan.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

### Statements

Yes      No

With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.

With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.

Serverless computing is an example of a consumption-based plan.

### Explanation

#### Explanation/Reference:

#### QUESTION 126

#### 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

The cost of Azure resources can vary between regions.

An Azure reservation is used to reserve server capacity at a specific data center.

You can stop an Azure SQL Database instance to decrease costs.

#### Correct Answer:

## Answer Area

Statements	Yes	No
The cost of Azure resources can vary between regions.	<input checked="" type="radio"/>	<input type="radio"/>
An Azure reservation is used to reserve server capacity at a specific data center.	<input checked="" type="radio"/>	<input type="radio"/>
You can stop an Azure SQL Database instance to decrease costs.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

#### QUESTION 127

#### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

You can use  in Azure to send email alerts when the cost of the current

- Advisor recommendations
- Access control (IAM)
- Budget alerts
- Compliance

billing period for an Azure subscription exceeds a specified limit.

#### Correct Answer:

You can use  in Azure to send email alerts when the cost of the current

- Advisor recommendations
- Access control (IAM)
- Budget alerts
- Compliance

billing period for an Azure subscription exceeds a specified limit.

### Explanation

#### Explanation/Reference:

Budget alerts notify you when spending, based on usage or cost, reaches or exceeds the amount defined

in the alert condition of the budget. Cost Management budgets are created using the Azure portal or the Azure Consumption API.

Reference:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-mgt-alerts-monitor-usage-spending>

### QUESTION 128

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:**

Statements	Yes	No
Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service (PaaS).	<input type="radio"/>	<input type="radio"/>
Azure SQL Database is an example of platform as a service (PaaS).	<input type="radio"/>	<input type="radio"/>
Azure Cosmos DB is an example of software as a service (SaaS).	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service (PaaS).	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL Database is an example of platform as a service (PaaS).	<input checked="" type="radio"/>	<input type="radio"/>
Azure Cosmos DB is an example of software as a service (SaaS).	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview>

<https://www.red-gate.com/simple-talk/cloud/azure/overview-of-azure-cosmos-db>

### QUESTION 129

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of

- disaster recovery as a service (DRaaS).
- infrastructure as a service (IaaS).
- platform as a service (PaaS).
- software as a service (SaaS).

**Correct Answer:**

A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of

- disaster recovery as a service (DRaaS).
- infrastructure as a service (IaaS).
- platform as a service (PaaS).
- software as a service (SaaS).

**Explanation**

**Explanation/Reference:**

Azure Cosmos DB is an example of a platform as a service (PaaS) cloud database provider.

**Reference:**

<https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview>

**QUESTION 130**

**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:**

**Statements**

**Yes** **No**

To use Azure Active Directory (Azure AD) credentials to sign in to a computer that runs Windows 10, the computer must be joined to Azure AD.

Users in Azure Active Directory (Azure AD) are organized by using resource groups.

Azure Active Directory (Azure AD) groups support dynamic membership rules.

**Correct Answer:**

Statements	Yes	No
To use Azure Active Directory (Azure AD) credentials to sign in to a computer that runs Windows 10, the computer must be joined to Azure AD.	<input checked="" type="radio"/>	<input type="radio"/>
Users in Azure Active Directory (Azure AD) are organized by using resource groups.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Active Directory (Azure AD) groups support dynamic membership rules.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/enterprise-users/groups-dynamic-membership>

<https://petri.com/understanding-hybrid-azure-active-directory-join>

### QUESTION 131

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

▼

Azure Databricks
Azure Data Factory
Azure DevOps
Azure HDInsight

is an Apache Spark-based analytics service.

#### Correct Answer:

▼

Azure Databricks
Azure Data Factory
Azure DevOps
Azure HDInsight

is an Apache Spark-based analytics service.

### Explanation

#### Explanation/Reference:

Azure Databricks is an Apache Spark-based analytics platform. The platform consists of several components including 'MLib'. Mlib is a Machine Learning library consisting of common learning algorithms and utilities, including classification, regression, clustering, collaborative filtering, dimensionality reduction, as well as underlying optimization primitives.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks#apache-spark-based->

**QUESTION 132****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:**

Statements	Yes	No
All the Azure resources deployed to a resource group must use the same Azure region.	<input type="radio"/>	<input checked="" type="radio"/>
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	<input checked="" type="radio"/>	<input type="radio"/>
If you assign permissions for a user to manage a resource group, the user can manage all the Azure resources in that resource group.	<input type="radio"/>	<input checked="" type="radio"/>

**Correct Answer:**

Statements	Yes	No
All the Azure resources deployed to a resource group must use the same Azure region.	<input type="radio"/>	<input checked="" type="radio"/>
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	<input checked="" type="radio"/>	<input type="radio"/>
If you assign permissions for a user to manage a resource group, the user can manage all the Azure resources in that resource group.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation****Explanation/Reference:**

**Box 1: No**

Azure resources deployed to a single resource group can be located in different regions. The resource group only contains metadata about the resources it contains.

When creating a resource group, you need to provide a location for that resource group. You may be wondering, "Why does a resource group need a location? And, if the resources can have different locations than the resource group, why does the resource group location matter at all?" The resource group stores metadata about the resources. When you specify a location for the resource group, you're specifying where that metadata is stored. For compliance reasons, you may need to ensure that your data is stored in a particular region.

**Box 2: No**

Tags for Resources are not inherited by default from their Resource Group

**Box 3: Yes**

A resource group can be used to scope access control for administrative actions. By default, permissions set at the resource level are inherited by the resources in the resource group.

**Reference:**

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

**QUESTION 133**

**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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Each Azure subscription can contain multiple account administrators.	<input type="radio"/>	<input type="radio"/>
Each Azure subscription can be managed by using a Microsoft account only.	<input type="radio"/>	<input type="radio"/>
An Azure resource group contains multiple Azure subscriptions.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Each Azure subscription can contain multiple account administrators.	<input checked="" type="radio"/>	<input type="radio"/>
Each Azure subscription can be managed by using a Microsoft account only.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure resource group contains multiple Azure subscriptions.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation**

**Explanation/Reference:**

Box 1: Yes

You can assign additional account administrators in the Azure Portal.

Box 2: No

You need an Azure Active Directory account to manage a subscription, not a Microsoft account. An account is created in the Azure Active Directory when you create the subscription. Further accounts can be created in the Azure Active Directory to manage the subscription.

Box 3: No

Resource groups are logical containers for Azure resources. However, resource groups do not contain subscriptions. Subscriptions contain resource groups.

References:

<https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-andtenants-for-microsoft-cloud-offerings>

**QUESTION 134**

HOTSPOT

You need to request that Microsoft increase a subscription quota limit for your company.

Which blade should you use from the Azure portal? To answer, select the appropriate blade in the answer area.

**Hot Area:**

# Microsoft Azure

 Create a resource

 All services

## FAVORITES

 Dashboard

 All resources

 Resource groups

 App Services

 Function Apps

 SQL databases

 Azure Cosmos DB

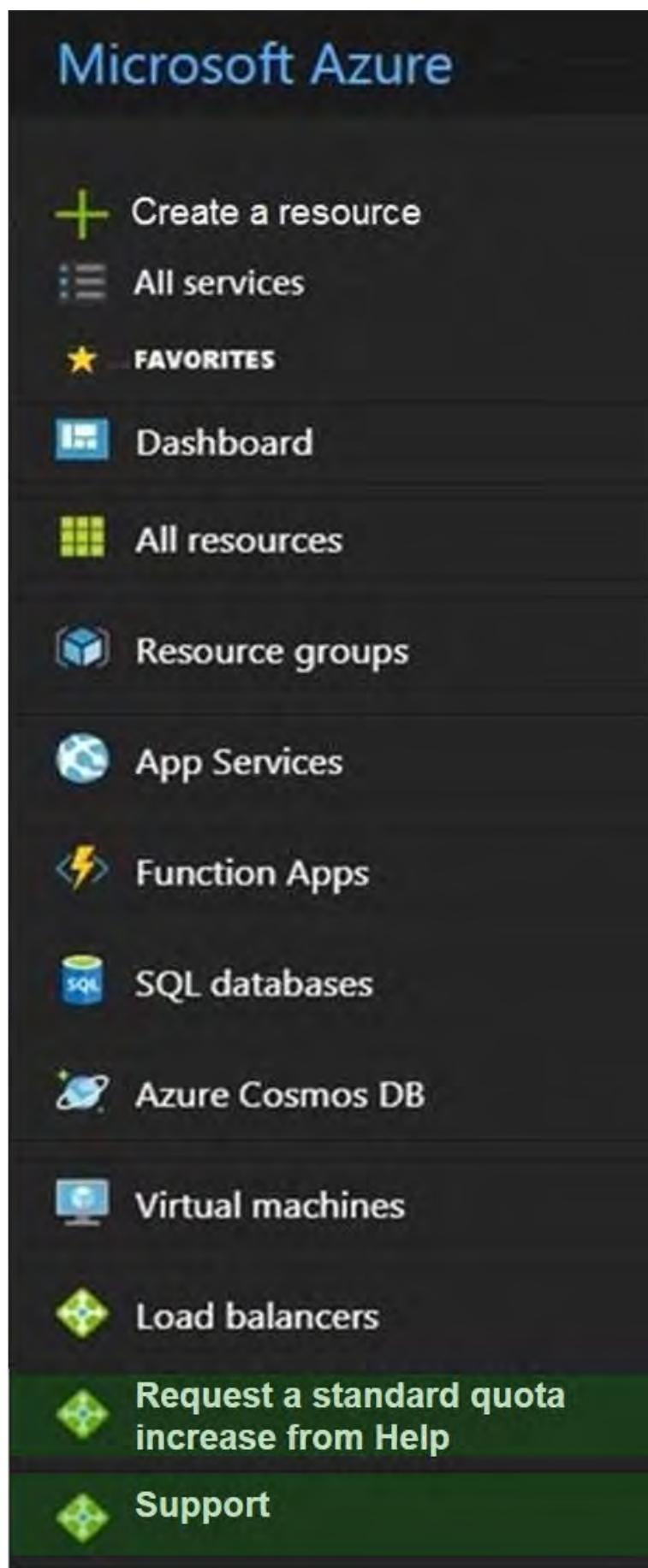
 Virtual machines

 Load balancers

 Request a standard quota  
increase from Help

 Support

Correct Answer:



## Explanation

### Explanation/Reference:

Request a standard quota increase from Help + Support

Reference:

<https://docs.microsoft.com/en-us/azure/azure-portal/supportability/per-vm-quota-requests>

## QUESTION 135

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

You can use

Advisor recommendations
Access control (IAM)
Budget alerts
Compliance

in Azure to send email alerts when the cost of the current

billing period for an Azure subscription exceeds a specified limit.

Correct Answer:

You can use

Advisor recommendations
Access control (IAM)
Budget alerts
Compliance

in Azure to send email alerts when the cost of the current

billing period for an Azure subscription exceeds a specified limit.

## Explanation

### Explanation/Reference:

Budget alerts notify you when spending, based on usage or cost, reaches or exceeds the amount dened in the alert condition of the budget. Cost Management budgets are created using the Azure portal or the Azure Consumption API.

Reference:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-mgt-alerts-monitor-usage-spending>

## QUESTION 136

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
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	<input type="radio"/>	<input type="radio"/>
After an Azure service becomes generally available, the service is no longer updated with new features.	<input type="radio"/>	<input type="radio"/>
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	<input checked="" type="radio"/>	<input type="radio"/>
After an Azure service becomes generally available, the service is no longer updated with new features.	<input type="radio"/>	<input checked="" type="radio"/>
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

Reference:

<https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/>

### QUESTION 137

#### 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
When using an Azure ExpressRoute connection, inbound data traffic from an on-premises network to Azure is always free.	<input type="radio"/>	<input type="radio"/>
Outbound data traffic from Azure to an on-premises network is always free.	<input type="radio"/>	<input type="radio"/>
Data traffic between Azure services within the same Azure region is always free.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
When using an Azure ExpressRoute connection, inbound data traffic from an on-premises network to Azure is always free.	<input checked="" type="radio"/>	<input type="radio"/>
Outbound data traffic from Azure to an on-premises network is always free.	<input type="radio"/>	<input checked="" type="radio"/>
Data traffic between Azure services within the same Azure region is always free.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

With Azure ExpressRoute, all inbound data transfer is free of charge.

Box 2: No

Inbound data traffic is free but outbound data traffic is not.

Box 3: Yes

### Reference:

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

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

## QUESTION 138

### HOTSPOT

You have an Azure Active Directory (Azure AD) tenant named contoso.com that contains the users shown in the following table.

Name	Member of	Mobile phone	Multi-factor authentication (MFA) status
User1	Group1	123 555 7890	Disabled
User2	Group1, Group2	None	Enabled
User3	Group1	123 555 7891	Required

You create and enforce an Azure AD Identity Protection user risk policy that has the following settings:

- Assignment: Include Group1, Exclude Group2
- Conditions: Sign-in risk of Medium and above
- Access: Allow access, Require password change

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:**

Statements	Yes	No
If User1 signs in from an unfamiliar location, he must change his password.	<input type="radio"/>	<input type="radio"/>
If User2 signs in from an anonymous IP address, she must change her password.	<input type="radio"/>	<input type="radio"/>
If User3 signs in from a computer containing malware that is communicating with known bot servers, he must change his password.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
If User1 signs in from an unfamiliar location, he must change his password.	<input checked="" type="radio"/>	<input type="radio"/>
If User2 signs in from an anonymous IP address, she must change her password.	<input checked="" type="radio"/>	<input type="radio"/>
If User3 signs in from a computer containing malware that is communicating with known bot servers, he must change his password.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation**

**Explanation/Reference:**

**QUESTION 139**

**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:**

Statements	Yes	No
An Azure free account has a spending limit.	<input type="radio"/>	<input type="radio"/>
An Azure free account has a limit of 2TB of data that can be uploaded to Azure.	<input type="radio"/>	<input type="radio"/>
An Azure free account can contain an unlimited number of web apps.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
An Azure free account has a spending limit.	<input checked="" type="radio"/>	<input type="radio"/>
An Azure free account has a limit of 2TB of data that can be uploaded to Azure.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure free account can contain an unlimited number of web apps.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation**

**Explanation/Reference:**

Explanation:

Box 1: Yes

An Azure free account has a spending limit. This is currently 200 USD or 150 GBP.

Box 2: No

Azure free account has a 5 GB blob storage limit and a 5 GB file storage limit.

Box 3: No

Azure free account has a limit of 10 web, mobile or API apps

Reference:

<https://azure.microsoft.com/en-us/free/>

<https://azure.microsoft.com/en-us/free/free-account-faq/>

<https://docs.microsoft.com/en-us/azure/billing/billing-avoid-charges-free-account>

**QUESTION 140**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

## Answer Area

If an Azure virtual machine has a status of Stopped (deallocated), you will continue to pay for

compute capacity
I/O operations
networking
storage

Correct Answer:

## Answer Area

If an Azure virtual machine has a status of Stopped (deallocated), you will continue to pay for

compute capacity
I/O operations
networking
storage

## Explanation

### Explanation/Reference:

When a virtual machine is stopped (deallocated), the virtual machine is unloaded/dismounted from the physical server in Azure. In this state, you are not charged for the virtual machine itself. However, you are still charged for the storage costs of the virtual hard disks attached to the virtual machine.

If the virtual machine is stopped but not deallocated (this happens if you shut down the virtual machine from the operating system of the virtual machine), the virtual machine is still mounted on the physical server in Azure and you are charged for the virtual machine itself as well as the storage costs. To ensure that a virtual machine is 'stopped (deallocated)', you need to stop the virtual machine in the Azure portal.

### Reference:

[https://blogs.technet.microsoft.com/uspartner\\_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/](https://blogs.technet.microsoft.com/uspartner_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/)

## QUESTION 141

### HOTSPOT

Select the answer that correctly completes the sentence.

### Hot Area:

## Answer Area

All Azure services that are in public preview are

provided without any documentation.
only configurable from Azure CLI.
excluded from the Service Level Agreements.
only configurable from the Azure portal.

Correct Answer:

## Answer Area

All Azure services that are in public preview are

- provided without any documentation.
- only configurable from Azure CLI.
- excluded from the Service Level Agreements.**
- only configurable from the Azure portal.

## Explanation

### Explanation/Reference:

Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price.  
Public previews are excluded from SLAs and in some cases, no support is offered.

Reference:

<https://www.neowin.net/news/several-more-azure-services-now-available-in-private-public-preview/>

## QUESTION 142

### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Application security groups in Azure
Azure Active Directory (Azure AD)
Azure Key Vault
Azure Security Center

enables users to authenticate to multiple applications by using single sign-on (SSO).

Correct Answer:

Application security groups in Azure
<b>Azure Active Directory (Azure AD)</b>
Azure Key Vault
Azure Security Center

enables users to authenticate to multiple applications by using single sign-on (SSO).

## Explanation

### Explanation/Reference:

## QUESTION 143

### 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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Azure Active Directory (Azure AD) can be used to manage access to on-premises applications.	<input type="radio"/>	<input type="radio"/>
Azure Active Directory (Azure AD) provides single sign-on (SSO).	<input type="radio"/>	<input type="radio"/>
iOS devices can be registered in Azure Active Directory (Azure AD).	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Azure Active Directory (Azure AD) can be used to manage access to on-premises applications.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Active Directory (Azure AD) provides single sign-on (SSO).	<input checked="" type="radio"/>	<input type="radio"/>
iOS devices can be registered in Azure Active Directory (Azure AD).	<input checked="" type="radio"/>	<input type="radio"/>

### **Explanation**

#### **Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis>

<https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/what-is-single-sign-on>

<https://docs.microsoft.com/en-us/azure/active-directory/devices/concept-azure-ad-register>

### **QUESTION 144**

#### **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
Trust Center is part of the Azure Security Center	<input type="radio"/>	<input type="radio"/>
Trust Center can only be accessed by users that have an Azure subscription	<input type="radio"/>	<input type="radio"/>
Trust Center provides information about the Azure compliance offerings	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
Trust Center is part of the Azure Security Center	<input type="radio"/>	<input checked="" type="radio"/>
Trust Center can only be accessed by users that have an Azure subscription	<input type="radio"/>	<input checked="" type="radio"/>
Trust Center provides information about the Azure compliance offerings	<input checked="" type="radio"/>	<input type="radio"/>

Explanation

Explanation/Reference:

Reference:

<https://www.microsoft.com/en-us/trust-center>

### QUESTION 145

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
You can use Azure Policy to apply tags to resources	<input type="radio"/>	<input type="radio"/>
You can add multiple tags to the same Azure resource	<input type="radio"/>	<input type="radio"/>
An Azure resource inherits tags from the resource group to which the resource is deployed	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
You can use Azure Policy to apply tags to resources	<input checked="" type="radio"/>	<input type="radio"/>
You can add multiple tags to the same Azure resource	<input checked="" type="radio"/>	<input type="radio"/>
An Azure resource inherits tags from the resource group to which the resource is deployed	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

#### Explanation/Reference:

Box 1: Yes

You use Azure Policy to enforce tagging rules and conventions.

Box 2: Yes

Each resource or resource group can have a maximum of 50 tags.

Box 3: No

Tags applied to the resource group or subscription aren't inherited by the resources.

#### Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies>

<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/govern-tags>

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-resources>

### QUESTION 146

#### HOTSPOT

Select the answer that correctly completes the sentence.

#### Hot Area:

## Answer Area

An Azure Policy initiative definition is a

- collection of policy definitions.
- collection of Azure Policy definition assignments.
- group of Azure Blueprints definitions.
- group of role-based access control (RBAC) role assignments.

Correct Answer:

## Answer Area

An Azure Policy initiative definition is a

- collection of policy definitions.
- collection of Azure Policy definition assignments.
- group of Azure Blueprints definitions.
- group of role-based access control (RBAC) role assignments.

Explanation

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure>

## QUESTION 147

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

## Answer Area

Azure China

- is operated by Microsoft.
- has feature parity with Azure global.
- services can be accessed from China only.
- is a distinct separate instance of Microsoft Azure.

Correct Answer:

## Answer Area

Azure China

- is operated by Microsoft.
- has feature parity with Azure global.
- services can be accessed from China only.
- is a distinct separate instance of Microsoft Azure.

### Explanation

#### Explanation/Reference:

Reference:

<https://support.azure.cn/en-us/support/faq/>

### QUESTION 148

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 Sentinel stores collected events in an Azure Storage account.	<input type="radio"/>	<input type="radio"/>
Azure Sentinel can remediate incidents automatically.	<input type="radio"/>	<input type="radio"/>
Azure Sentinel can collect Windows Defender Firewall logs from Azure virtual machines.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
Azure Sentinel stores collected events in an Azure Storage account.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Sentinel can remediate incidents automatically.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Sentinel can collect Windows Defender Firewall logs from Azure virtual machines.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Reference:

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

### QUESTION 149

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

Azure Sentinel uses playbooks to

- automatically respond to threats.
- collect data from Azure services.
- specify how long data is retained.
- store passwords and certificates.

#### Correct Answer:

Azure Sentinel uses playbooks to

- automatically respond to threats.
- collect data from Azure services.
- specify how long data is retained.
- store passwords and certificates.

### Explanation

#### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/sentinel/tutorial-respond-threats-playbook>

### QUESTION 150

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

Application rules
Network Address Translation (NAT) rules
Network rules
Service tags

in Azure Firewall enables users on the internet to access a server on a virtual network.

**Correct Answer:**

Application rules
Network Address Translation (NAT) rules
Network rules
Service tags

in Azure Firewall enables users on the internet to access a server on a virtual network.

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/azure/firewall/tutorial-firewall-dnat-policy>

### QUESTION 151

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the

application layer.
compute layer.
networking layer.
perimeter layer.

**Correct Answer:**

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the

application layer.
compute layer.
networking layer.
perimeter layer.

#### Explanation

##### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/ddos-protection/ddos-protection-overview>

#### QUESTION 152

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:**

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	<input type="radio"/>	<input type="radio"/>
You can use Azure Cost Management to view costs associated to resource groups.	<input type="radio"/>	<input type="radio"/>
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	<input type="radio"/>	<input checked="" type="radio"/>
You can use Azure Cost Management to view costs associated to resource groups.	<input checked="" type="radio"/>	<input type="radio"/>
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	<input checked="" type="radio"/>	<input type="radio"/>

#### Explanation

##### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/quick-acm-cost-analysis>

<https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-analysis-common-uses>

### QUESTION 153

HOTSPOT

To answer, select the appropriate option in the answer area.

Hot Area:

**Answer Area**

You have several virtual machines in an Azure subscription. You create a new subscription.

- |  |
|--|
| The virtual machines cannot be moved to the new subscription.  |
| The virtual machines can be moved to the new subscription.   |
| The virtual machines can be moved to the new subscription only if they are all in the same resource group. |
| The virtual machines can be moved to the new subscription only if they run Windows Server 2019.            |

Correct Answer:

**Answer Area**

You have several virtual machines in an Azure subscription. You create a new subscription.

- |  |
|--|
| The virtual machines cannot be moved to the new subscription.  |
| The virtual machines can be moved to the new subscription.   |
| The virtual machines can be moved to the new subscription only if they are all in the same resource group. |
| The virtual machines can be moved to the new subscription only if they run Windows Server 2019.            |

### Explanation

Explanation/Reference:

Reference:

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

### QUESTION 154

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 PowerShell modules can be installed on macOS.	<input type="radio"/>	<input type="radio"/>
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	<input type="radio"/>	<input type="radio"/>
The Azure portal can only be accessed from a Windows device.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure portal can only be accessed from a Windows device.	<input type="radio"/>	<input checked="" type="radio"/>

## Explanation

### Explanation/Reference:

You can install the Az PowerShell module locally on Windows, macOS, and Linux. It can also be used from a browser through Azure Cloud Shell or inside a Docker container.

### Reference:

<https://docs.microsoft.com/en-us/powershell/azure/what-is-azure-powershell?view=azps-6.6.0>  
<https://serverfault.com/questions/323973/how-do-i-access-the-windows-azure-management-portal-from-ubuntu>

## QUESTION 155

### 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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
The Archive access tier is set at the storage account level.	<input type="radio"/>	<input type="radio"/>
The Hot access tier is recommended for data that is accessed and modified frequently.	<input type="radio"/>	<input type="radio"/>
The Cool access tier is recommended for long term backups.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
The Archive access tier is set at the storage account level.	<input checked="" type="radio"/>	<input type="radio"/>
The Hot access tier is recommended for data that is accessed and modified frequently.	<input checked="" type="radio"/>	<input type="radio"/>
The Cool access tier is recommended for long term backups.	<input type="radio"/>	<input checked="" type="radio"/>

### **Explanation**

#### **Explanation/Reference:**

Box 1: Yes

Access tiers are set at the storage account level.

Box 2: Yes

Usage scenarios for the hot access tier include:

Data that is in active use or is expected to be read from and written to frequently

Data that is staged for processing and eventual migration to the cool access tier

Box 3: No

Usage scenarios for the cool access tier include:

1. Short-term backup and disaster recovery
2. Older data not used frequently but expected to be available immediately when accessed
3. Large data sets that need to be stored cost effectively, while more data is being gathered for future processing

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

### **QUESTION 156**

**HOTSPOT**

Select the answer that correctly completes the sentence.

**Hot Area:**

An Availability Zone in Azure has physically separate locations

- across two continents.
- within a single Azure region.
- within multiple Azure regions.
- within a single Azure datacenter.

Correct Answer:

An Availability Zone in Azure has physically separate locations

- across two continents.
- within a single Azure region.
- within multiple Azure regions.
- within a single Azure datacenter.

Explanation

**Explanation/Reference:**

Availability Zones are physically separate locations within a single Azure region. Each Availability Zone is made up of one or more datacenters equipped with independent power, cooling, and networking.

Reference:

<https://azure.microsoft.com/en-gb/global-infrastructure/regions/>

**QUESTION 157**

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 Files is an example of infrastructure as a service (IaaS).	<input type="radio"/>	<input type="radio"/>
A DNS server that runs on an Azure virtual machine is an example of platform as a service (PaaS).	<input type="radio"/>	<input checked="" type="radio"/>
Microsoft Intune is an example of software as a service (SaaS).	<input checked="" type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Statements	Yes	No
Azure Files is an example of infrastructure as a service (IaaS).	<input checked="" type="radio"/>	<input type="radio"/>
A DNS server that runs on an Azure virtual machine is an example of platform as a service (PaaS).	<input type="radio"/>	<input checked="" type="radio"/>
Microsoft Intune is an example of software as a service (SaaS).	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Reference:

<https://azure.microsoft.com/en-gb/overview/what-is-iaas/>  
<https://azure.microsoft.com/en-gb/overview/what-is-paas/>  
<https://azure.microsoft.com/en-gb/overview/what-is-saas/>

## QUESTION 158

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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Cloud computing provides elastic scalability.	<input type="radio"/>	<input type="radio"/>
Customers can minimize capital expenditure (CapEx) by using a public cloud.	<input type="radio"/>	<input type="radio"/>
Cloud computing leverages virtualization to provide services to multiple customers simultaneously.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Cloud computing provides elastic scalability.	<input checked="" type="radio"/>	<input type="radio"/>
Customers can minimize capital expenditure (CapEx) by using a public cloud.	<input checked="" type="radio"/>	<input type="radio"/>
Cloud computing leverages virtualization to provide services to multiple customers simultaneously.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

#### **QUESTION 159**

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
A company can extend an internal network by adding its own physical servers to the public cloud.	<input type="radio"/>	<input type="radio"/>
A private cloud must be disconnected from the internet.	<input type="radio"/>	<input type="radio"/>
Part of a hybrid cloud is the public cloud.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
A company can extend an internal network by adding its own physical servers to the public cloud.	<input type="radio"/>	<input checked="" type="radio"/>
A private cloud must be disconnected from the internet.	<input type="radio"/>	<input checked="" type="radio"/>
Part of a hybrid cloud is the public cloud.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: No

You cannot add physical servers to the public cloud. You can only deploy virtual servers in the public cloud. You can extend a private cloud by deploying virtual servers in a public cloud. This would create a hybrid cloud.

Box 2: No

A private cloud exists in cyberspace and is accessed via the internet.

Box 3: Yes.

### Reference:

<https://azure.microsoft.com/en-gb/overview/what-are-private-public-hybrid-clouds/>

**QUESTION 160**

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:**

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	<input type="radio"/>	<input type="radio"/>
Copying 10 GB of data <b>to</b> Azure <b>from</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="radio"/>	<input type="radio"/>
Copying 10 GB of data <b>from</b> Azure <b>to</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	<input type="radio"/>	<input checked="" type="radio"/>
Copying 10 GB of data <b>to</b> Azure <b>from</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="radio"/>	<input checked="" type="radio"/>
Copying 10 GB of data <b>from</b> Azure <b>to</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation****Explanation/Reference:****QUESTION 161**

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

Azure Sentinel uses playbooks to	automatically respond to threats.
	collect data from Azure services.
	specify how long data is retained.
	store passwords and certificates.

**Correct Answer:**

Azure Sentinel uses playbooks to	automatically respond to threats.
	collect data from Azure services.
	specify how long data is retained.
	store passwords and certificates.

**Explanation****Explanation/Reference:****QUESTION 162**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must

- be deployed to a separate virtual network.
- run a different operating system than the other virtual machines.
- be deployed to a separate resource group.
- have two network interfaces.

**Correct Answer:**

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must

- be deployed to a separate virtual network.
- run a different operating system than the other virtual machines.
- be deployed to a separate resource group.
- have two network interfaces.

**Explanation****Explanation/Reference:****QUESTION 163****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:**

Statements	Yes	No
Azure Firewall will encrypt all the network traffic sent from Azure to the Internet.	<input type="radio"/>	<input type="radio"/>
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	<input type="radio"/>	<input type="radio"/>
Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
Azure Firewall will encrypt all the network traffic sent from Azure to the Internet.	<input type="radio"/>	<input checked="" type="radio"/>
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	<input type="radio"/>	<input checked="" type="radio"/>
Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation**

**Explanation/Reference:**

**QUESTION 164**

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

Azure Databricks
Azure Data Factory
Azure DevOps
Azure Synapse Analytics

is an Apache Spark-based analytics service.

These are the answer selections.

**Correct Answer:**

Azure Databricks
Azure Data Factory
Azure DevOps
Azure Synapse Analytics

is an Apache Spark-based analytics service.

These are the answer selections.

**Explanation**

**Explanation/Reference:**

**QUESTION 165**

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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
With software as a service (SaaS), you must apply software updates.	<input type="radio"/>	<input type="radio"/>
With infrastructure as a service (IaaS), you must install the software that you want to use.	<input type="radio"/>	<input type="radio"/>
Azure Backup is an example of platform as a service (PaaS).	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
With software as a service (SaaS), you must apply software updates.	<input type="radio"/>	<input checked="" type="radio"/>
With infrastructure as a service (IaaS), you must install the software that you want to use.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Backup is an example of platform as a service (PaaS).	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

Reference:

<https://azure.microsoft.com/en-us/overview/what-is-saas/>  
<https://azure.microsoft.com/en-us/overview/what-is-iaas/>  
<https://azure.microsoft.com/en-us/overview/what-is-paas/>

#### **QUESTION 166**

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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
You can create a resource group inside of an other resource group.	<input type="radio"/>	<input type="radio"/>
An Azure virtual machine can be in multiple resource groups.	<input type="radio"/>	<input type="radio"/>
A resource group can contain resources from multiple Azure regions.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
You can create a resource group inside of an other resource group.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure virtual machine can be in multiple resource groups.	<input type="radio"/>	<input checked="" type="radio"/>
A resource group can contain resources from multiple Azure regions.	<input checked="" type="radio"/>	<input type="radio"/>

#### Explanation

#### Explanation/Reference:

#### QUESTION 167

HOTSPOT

You plan to use Azure to host two apps named App1 and App2. The apps must meet the following requirements:

1. You must be able to modify the code of App1
2. Administrative effort to manage the operating system of App1 must be minimized.
3. App2 must run interactively with the operating system of the server.

Which type of cloud service should you use for each app?

#### Hot Area:

App1:	<input type="checkbox"/> Infrastructure as a service (IaaS) <input type="checkbox"/> Platform as a service (PaaS) <input checked="" type="checkbox"/> Software as a service (SaaS)
-------	--

App2:	<input type="checkbox"/> Infrastructure as a service (IaaS) <input type="checkbox"/> Platform as a service (PaaS) <input checked="" type="checkbox"/> Software as a service (SaaS)
-------	--

#### Correct Answer:

App1:	Infrastructure as a service (IaaS) Platform as a service (PaaS) <b>Software as a service (SaaS)</b>
-------	---

App2:	Infrastructure as a service (IaaS) Platform as a service (PaaS) <b>Software as a service (SaaS)</b>
-------	---

#### Explanation

Explanation/Reference:

#### QUESTION 168

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure  
is an example of

disaster recovery as a service (DRaaS).	
infrastructure as a service (IaaS).	
platform as a service (PaaS).	
software as a service (SaaS).	

#### Correct Answer:

A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure  
is an example of

disaster recovery as a service (DRaaS).	
infrastructure as a service (IaaS).	
<b>platform as a service (PaaS).</b>	
software as a service (SaaS).	

#### Explanation

Explanation/Reference:

**QUESTION 169**  
HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the

application layer.
compute layer.
networking layer.
perimeter layer.

**Correct Answer:**

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the

application layer.
compute layer.
networking layer.
perimeter layer.

**Explanation**

**Explanation/Reference:**

**QUESTION 170**  
HOTSPOT

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

NOTE: Each correct match is worth one point.

**Hot Area:**

Statements	Yes	No
Azure DevOps Services allows developers to deploy or update applications to Azure using Continuous Integration/Continuous Delivery (CI/CD) pipelines.	<input type="radio"/>	<input type="radio"/>
Azure DevOps Services includes a Git repository for developers to store code.	<input type="radio"/>	<input type="radio"/>
Azure DevOps Services can be used to build and host web apps.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
Azure DevOps Services allows developers to deploy or update applications to Azure using Continuous Integration/Continuous Delivery (CI/CD) pipelines.	<input checked="" type="radio"/>	<input type="radio"/>
Azure DevOps Services includes a Git repository for developers to store code.	<input checked="" type="radio"/>	<input type="radio"/>
Azure DevOps Services can be used to build and host web apps.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

### QUESTION 171

HOTSPOT

Select the answer that correctly completes the sentence.

#### Hot Area:

An Azure region

- contains one or more data centers that are connected by using a low-latency network.  
is found in each country where Microsoft has a subsidiary office.  
can be found in every country in Europe and the Americas only.  
contains one or more data centers that are connected by using a high-latency network.

#### Correct Answer:

An Azure region

- contains one or more data centers that are connected by using a low-latency network.  
is found in each country where Microsoft has a subsidiary office.  
can be found in every country in Europe and the Americas only.  
contains one or more data centers that are connected by using a high-latency network.

### Explanation

#### Explanation/Reference:

### QUESTION 172

HOTSPOT

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

NOTE: Each correct match is worth one point.

#### Hot Area:

Statements	Yes	No
The Microsoft Service Trust Portal can be accessed by using a Microsoft cloud services account.	<input type="radio"/>	<input type="radio"/>
Compliance Manager can be used to track your company's regulatory compliance activities related to Microsoft cloud services.	<input type="radio"/>	<input type="radio"/>
The My Library feature can be used to save Microsoft Service Trust Portal documents and resources in a single location.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
The Microsoft Service Trust Portal can be accessed by using a Microsoft cloud services account.	<input checked="" type="radio"/>	<input type="radio"/>
Compliance Manager can be used to track your company's regulatory compliance activities related to Microsoft cloud services.	<input checked="" type="radio"/>	<input type="radio"/>
The My Library feature can be used to save Microsoft Service Trust Portal documents and resources in a single location.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

**QUESTION 173**

**HOTSPOT**

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

Azure Container instances
Azure Reserved Virtual Machine instances
Azure Spot virtual machine instances
Azure virtual machine scale sets

provide access to unused Azure compute capacity at deep discounts.

**Correct Answer:**

Azure Container instances
Azure Reserved Virtual Machine instances
Azure Spot virtual machine instances
Azure virtual machine scale sets

provide access to unused Azure compute capacity at deep discounts.

### Explanation

#### Explanation/Reference:

#### QUESTION 174

#### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

An Availability Zone in Azure has physically separate locations

- across two continents
- within a single Azure region
- within multiple Azure regions
- within a single Azure datacenter

#### Correct Answer:

An Availability Zone in Azure has physically separate locations

across two continents

within a single Azure region

within multiple Azure regions

within a single Azure datacenter

### Explanation

#### Explanation/Reference:

Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region.

### QUESTION 175

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

After you create a virtual machine, you need to modify the to allow connections to TCP port 8080 on the virtual machine

network security group (NSG)

virtual network gateway

virtual network

route table

#### Correct Answer:

After you create a virtual machine, you need to modify the to allow connections to TCP port 8080 on the virtual machine

network security group (NSG)
virtual network gateway
virtual network
route table

### Explanation

#### Explanation/Reference:

#### QUESTION 176

#### 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:

Yes    No

You can create custom Azure roles to control access to resources.

A user account can be assigned to multiple Azure roles.

A resource group can have the Owner role assigned to multiple users.

#### Correct Answer:

Yes   No

You can create custom Azure roles to control access to resources.

A user account can be assigned to multiple Azure roles.

A resource group can have the Owner role assigned to multiple users.

#### Explanation

#### Explanation/Reference:

#### QUESTION 177

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

#### Hot Area:

You can view your company's regulatory compliance report from

Azure Advisor
Azure Analysis Services
Azure Monitor
Azure Security Center

#### Correct Answer:

You can view your company's regulatory compliance report from

Azure Advisor
Azure Analysis Services
Azure Monitor
Azure Security Center

### Explanation

#### Explanation/Reference:

The advanced monitoring capabilities in Security Center lets you track and manage compliance and governance over time. The overall compliance provides you with a measure of how much your subscriptions are compliant with policies associated with your workload.

### QUESTION 178

#### 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
You can create a resource group inside of an other resource group.	<input type="radio"/>	<input type="radio"/>
An Azure virtual machine can be in multiple resource groups.	<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
You can create a resource group inside of an other resource group.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure virtual machine can be in multiple resource groups.	<input type="radio"/>	<input checked="" type="radio"/>
A resource group can contain resources from multiple Azure regions.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

Box1:No

Box2:No

Each resource can exist in only one resource group.

**Box 3: Yes**

Resources from multiple different regions can be placed in a resource group. The resource group only contains metadata about the resources it contains.

**Reference:**

<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 179**

**HOTSPOT**

You plan to extend your company TMs 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 defines the VPN appliance in Azure.

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

**Hot Area:**

Services

	NAT gateways	
	Application gateways	
	Local network gateways	
	Virtual network gateways	
	On-premises Data Gateways	
	Azure Data Box Gateway	
	Azure Stack Edge / Data Box Gateway	
	Web Application Firewall policies	

**Correct Answer:**

## Services

	NAT gateways	
	Application gateways	
	Local network gateways	
	Virtual network gateways	
	On-premises Data Gateways	
	Azure Data Box Gateway	
	Azure Stack Edge / Data Box Gateway	
	Web Application Firewall policies	

## Explanation

### Explanation/Reference:

A Local Network Gateway is an object in Azure that represents your on-premise VPN device. A Virtual Network Gateway is the VPN object at the Azure end of the VPN. A connection is what connects the Local Network Gateway and the Virtual Network Gateway to bring up the VPN.

The local network gateway typically refers to your on-premises location. You give the site a name by which Azure can refer to it, then specify the IP address of the on-premises VPN device to which you will create a connection. You also specify the IP address prefixes that will be routed through the VPN gateway to the VPN device. The address prefixes you specify are the prefixes located on your on-premises network. If your on-premises network changes or you need to change the public IP address for the VPN device, you can easily update the values later.

### Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal>

## QUESTION 180

### 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
A Windows Virtual Desktop session host can run Windows 10 only.	<input type="radio"/>	<input checked="" type="radio"/>
A Windows Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	<input checked="" type="radio"/>	<input type="radio"/>
Windows Virtual Desktop supports desktop and app virtualization.	<input type="radio"/>	<input checked="" type="radio"/>

Correct Answer:

## Answer Area

Statements	Yes	No
A Windows Virtual Desktop session host can run Windows 10 only.	<input type="radio"/>	<input checked="" type="radio"/>
A Windows Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	<input type="radio"/>	<input checked="" type="radio"/>
Windows Virtual Desktop supports desktop and app virtualization.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Reference:

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

## QUESTION 181

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

### Hot Area:

The Azure Migrate: Server Assessment tool
The Azure Total Cost of Ownership (TCO) calculator
The Database Migration Assistant
The pricing calculator in Azure

▼ can calculate cost savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL servers to Azure.

Correct Answer:

	▼ can calculate cost savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL servers to Azure.
The Azure Migrate: Server Assessment tool	
The Azure Total Cost of Ownership (TCO) calculator	
The Database Migration Assistant	
The pricing calculator in Azure	

#### Explanation

##### Explanation/Reference:

Reference:

<https://blog.aboutmc.com/azure-cloud-total-cost-of-ownership>

#### QUESTION 182

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

##### Hot Area:

An Azure region

contains one or more data centers that are connected by using a low-latency network.

is found in each country where Microsoft has a subsidiary office.

can be found in every country in Europe and the Americas only.

contains one or more data centers that are connected by using a high-latency network.

##### Correct Answer:

An Azure region

contains one or more data centers that are connected by using a low-latency network.

is found in each country where Microsoft has a subsidiary office.

can be found in every country in Europe and the Americas only.

contains one or more data centers that are connected by using a high-latency network.

#### Explanation

##### Explanation/Reference:

**QUESTION 183**

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

**Hot Area:**

You can access Compliance Manager

from the

Azure Active Directory admin center
Azure portal
Microsoft 365 admin center
Microsoft Service Trust Portal

**Correct Answer:**

You can access Compliance Manager

from the

Azure Active Directory admin center
Azure portal
Microsoft 365 admin center
Microsoft Service Trust Portal

**Explanation****Explanation/Reference:****QUESTION 184**

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

Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).

Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.

Azure has built-in authentication and authorization services that provide secure access to Azure resources.

**Correct Answer:**

## Answer Area

### Statements

Yes      No

Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).

Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.

Azure has built-in authentication and authorization services that provide secure access to Azure resources.

## Explanation

### Explanation/Reference:

Box 1: Yes

The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronizes (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.

Box 2: Yes

As described above, third-party cloud services and on-premises Active Directory can be used to access Azure resources. This is known as ~federation TM.

Federation is a collection of domains that have established trust. The level of trust may vary, but typically

includes authentication and almost always includes authorization. A typical federation might include a number of organizations that have established trust for shared access to a set of resources.

Box 3: Yes

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-whatis>

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

### QUESTION 185

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:

Statements	Yes	No
OneDrive for Business provides version control for shared documents	<input type="radio"/>	<input type="radio"/>
Power Automate provides automated workflows between apps	<input type="radio"/>	<input type="radio"/>
SharePoint provides shared calendars and shared task lists	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
OneDrive for Business provides version control for shared documents	<input checked="" type="radio"/>	<input type="radio"/>
Power Automate provides automated workflows between apps	<input checked="" type="radio"/>	<input type="radio"/>
SharePoint provides shared calendars and shared task lists	<input checked="" type="radio"/>	<input type="radio"/>

Explanation

Explanation/Reference:

### QUESTION 186

HOTSPOT

You are evaluating Office 365 ProPlus for a company.

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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Employees must use a browser to co-author documents, spreadsheets, and presentations.	<input type="radio"/>	<input type="radio"/>
Employees can edit documents, spreadsheets, and presentations by using a browser or the desktop app.	<input type="radio"/>	<input type="radio"/>
Employees can use mobile devices, tablets, and laptops to edit documents, spreadsheets, and presentations.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
Employees must use a browser to co-author documents, spreadsheets, and presentations.	<input checked="" type="radio"/>	<input type="radio"/>
Employees can edit documents, spreadsheets, and presentations by using a browser or the desktop app.	<input checked="" type="radio"/>	<input type="radio"/>
Employees can use mobile devices, tablets, and laptops to edit documents, spreadsheets, and presentations.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

**QUESTION 187**  
HOTSPOT

A company uses Microsoft 365.

The company requires the sales team to record all live demonstrations for training purposes.

You need to select the Microsoft tool that the sales team should use for each requirement.

Which tool should you select for each requirement? To answer, select the appropriate tools in the answer area.

NOTE: Each correct selection is worth one point.

**Hot Area:**

<b>Requirement</b>	<b>Tool</b>
Host and record a live event for customers to discuss new product offerings.	<input type="checkbox"/> Dynamics 365 Sales <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Microsoft Sway
Store recorded presentations and create searchable closed captions and speech-to-text information for the files.	<input type="checkbox"/> Microsoft Stream <input type="checkbox"/> Microsoft Sway <input type="checkbox"/> Power Automate <input type="checkbox"/> Microsoft OneDrive

**Correct Answer:**

<b>Requirement</b>	<b>Tool</b>
Host and record a live event for customers to discuss new product offerings.	<input type="checkbox"/> Dynamics 365 Sales <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Microsoft Sway
Store recorded presentations and create searchable closed captions and speech-to-text information for the files.	<input checked="" type="checkbox"/> Microsoft Stream <input type="checkbox"/> Microsoft Sway <input type="checkbox"/> Power Automate <input type="checkbox"/> Microsoft OneDrive

#### Explanation

##### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/microsoftteams/teams-live-events/set-up-for-teams-live-events>

<https://docs.microsoft.com/en-us/stream/portal-add-subtitles-captions>

#### QUESTION 188

HOTSPOT

Instructions: 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:**

	<b>Yes</b>	<b>No</b>
Microsoft 365 applications can access Dynamics 365 data by using existing connectors.	<input type="radio"/>	<input type="radio"/>
Microsoft Teams allows you to access customer information in Dynamics 365.	<input type="radio"/>	<input type="radio"/>
Power Platform allows you to build custom apps to automate processes in Dynamics 365.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

	<b>Yes</b>	<b>No</b>
Microsoft 365 applications can access Dynamics 365 data by using existing connectors.	<input checked="" type="radio"/>	<input type="radio"/>
Microsoft Teams allows you to access customer information in Dynamics 365.	<input checked="" type="radio"/>	<input type="radio"/>
Power Platform allows you to build custom apps to automate processes in Dynamics 365.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation****Explanation/Reference:**

Box 1: Yes

The Microsoft Dataverse connector is used to connect to Dynamics 365 data

Box 2: Yes

Microsoft Teams users get license-free access to Dynamics 365 data

Box 3: Yes

The Microsoft Dataverse connector allows you to connect Power Platform to Dynamics 365 data

**Reference:**

<https://docs.microsoft.com/en-us/power-platform/important-changes-coming#dynamics-365-connector-is-deprecated>

<https://docs.microsoft.com/en-us/connectors/commondataserviceforapps/>

<https://www.cigconsultants.com/post/microsoft-teams-users-get-license-free-access-to-dynamics-365-data>

**QUESTION 189****HOTSPOT**

Instructions: 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:**

**Yes**      **No**

Dynamics 365 is an infrastructure as a service (IaaS) solution.

A Microsoft 365 subscription includes a free subscription to Dynamics 365.

Dynamics 365 has an integrated customer relationship management (CRM) application that uses Microsoft 365 Apps.

**Correct Answer:**

**Yes**      **No**

Dynamics 365 is an infrastructure as a service (IaaS) solution.

A Microsoft 365 subscription includes a free subscription to Dynamics 365.

Dynamics 365 has an integrated customer relationship management (CRM) application that uses Microsoft 365 Apps.

**Explanation**

**Explanation/Reference:**

**QUESTION 190**

HOTSPOT

You implement Microsoft Azure Information Protection.

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

Statement	Yes	No
You can supplement the default templates to apply restrictive controls.	<input type="radio"/>	<input type="radio"/>
Classification and protection information is available for on-premises file servers.	<input type="radio"/>	<input type="radio"/>
Installing the Azure Information Protection client installs an information protection bar to Microsoft Excel.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

## Answer Area

Statement	Yes	No
You can supplement the default templates to apply restrictive controls.	<input checked="" type="radio"/>	<input type="radio"/>
Classification and protection information is available for on-premises file servers.	<input checked="" type="radio"/>	<input type="radio"/>
Installing the Azure Information Protection client installs an information protection bar to Microsoft Excel.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/information-protection/what-is-information-protection>

<https://docs.microsoft.com/en-us/azure/information-protection/rms-client/client-classify-protect>

## QUESTION 191

### HOTSPOT

A company plans to deploy Microsoft Intune.

Which scenarios can you implement by using Intune? To answer, select the appropriate answer for the given scenarios.

NOTE: Each correct selection is worth one point.

### Hot Area:

## Answer Area

Scenario	Yes	No
Intune app protection policies can protect access to Exchange Server on-premises mailboxes.	<input type="radio"/>	<input type="radio"/>
Intune app protection policies support apps that connect to on-premises Microsoft SharePoint Server.	<input type="radio"/>	<input type="radio"/>
Intune app protection policies require a mobile-device management (MDM) solution.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

## Answer Area

Scenario	Yes	No
Intune app protection policies can protect access to Exchange Server on-premises mailboxes.	<input checked="" type="radio"/>	<input type="radio"/>
Intune app protection policies support apps that connect to on-premises Microsoft SharePoint Server.	<input type="radio"/>	<input checked="" type="radio"/>
Intune app protection policies require a mobile-device management (MDM) solution.	<input type="radio"/>	<input checked="" type="radio"/>

## Explanation

### Explanation/Reference:

Box 1: Yes

You can protect access to Exchange on-premises mailboxes by creating Intune app protection policies for Outlook for iOS/iPadOS and Android enabled with hybrid Modern Authentication.

Box 2: No

App protection policies are not supported for other apps that connect to on-premises Exchange or SharePoint services.

Box 3: No

App protection policies can be configured for apps that run on devices that are not enrolled in any mobile device management solution: These devices are typically employee owned devices that aren't managed or enrolled in Intune or other MDM solutions.

### Reference:

<https://docs.microsoft.com/en-us/intune/app-protection-policy>

## QUESTION 192

HOTSPOT

You need to ensure that all users in your tenant have access to the earliest release of updates in Microsoft 365.

Which organizational release option should you use? To answer, select the appropriate options in the answer area.

**Hot Area:**

### Answer Area

Use the

Targeted release for entire organization
Standard release
Targeted release for select users
First release

**Correct Answer:**

### Answer Area

Use the

Targeted release for entire organization
Standard release
Targeted release for select users
First release

### Explanation

#### Explanation/Reference:

Standard release is the default setting. It implements updates on final release rather than early release. First release is now called Targeted release. Targeted release is the early release of updates for early feedback. You can choose to have individuals or the entire organization receive updates early.

Reference:

<https://docs.microsoft.com/en-us/office365/admin/manage/release-options-in-office-365>

### QUESTION 193

#### HOTSPOT

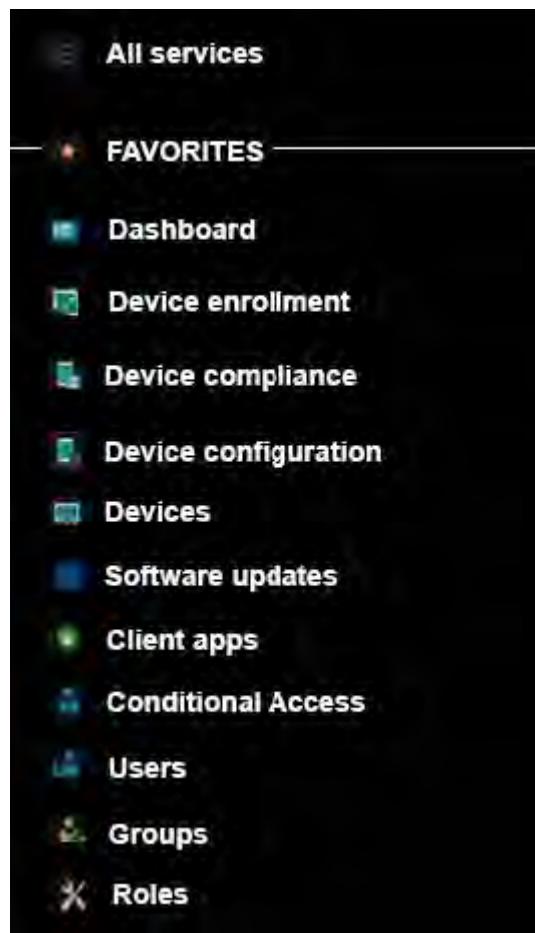
A company has Microsoft Surface devices that run Windows 10. The company plans to deploy devices by using Windows AutoPilot.

You need to import a CSV file to ensure that the devices are ready for deployment.

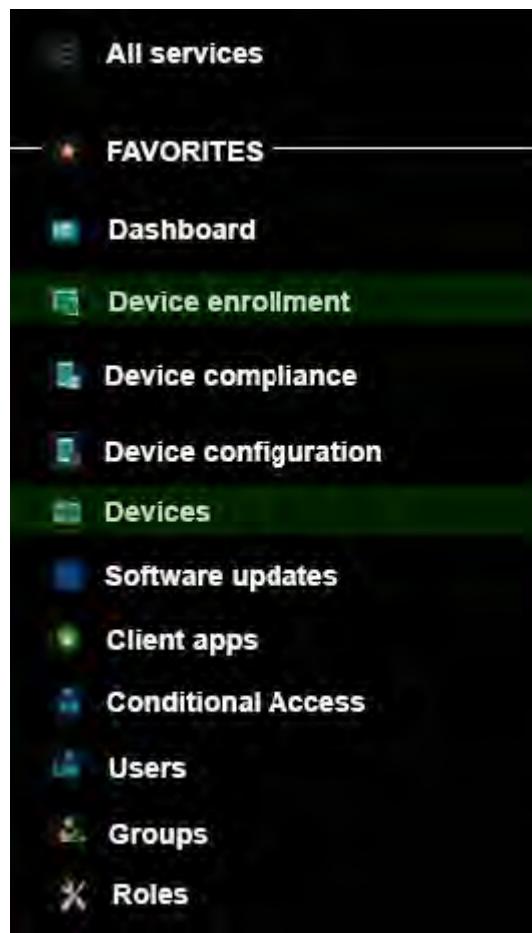
In the Microsoft 365 Device Management portal, which two blades should you use? To answer, select the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

**Hot Area:**



**Correct Answer:**



## Explanation

### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/intune/enrollment-autopilot>

## QUESTION 194

HOTSPOT

You plan to deploy Azure Databricks to support a machine learning application. Data engineers will mount an Azure Data Lake Storage account to the Databricks file system. Permissions to folders are granted directly to the data engineers.

You need to recommend a design for the planned Databrick deployment. The solution must meet the following requirements:

1. Ensure that the data engineers can only access folders to which they have permissions.
2. Minimize development effort.
3. Minimize costs.

What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Hot Area:**

Databricks SKU:

Premium
Standard

Cluster configuration:

Credential passthrough
Managed identities
MLflow
A runtime that contains Photon
Secret scope

**Correct Answer:**

Databricks SKU:

Premium
Standard

Cluster configuration:

Credential passthrough
Managed identities
MLflow
A runtime that contains Photon
Secret scope

#### Explanation

##### Explanation/Reference:

Box 1: Standard

Choose Standard to minimize costs.

Box 2: Credential passthrough

Authenticate automatically to Azure Data Lake Storage Gen1 (ADLS Gen1) and Azure Data Lake Storage Gen2 (ADLS Gen2) from Azure Databricks clusters using the same Azure Active Directory (Azure AD) identity that you use to log into Azure Databricks. When you enable Azure Data Lake Storage credential passthrough for your cluster, commands that you run on that cluster can read and write data in Azure Data Lake Storage without requiring you to configure service principal credentials for access to storage.

Reference:

<https://docs.microsoft.com/en-us/azure/databricks/security/credential-passthrough/adls-passthrough>

**QUESTION 195**

HOTSPOT

You plan to deploy an Azure web app named App1 that will use Azure Active Directory (Azure AD) authentication.

App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.

You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.

What should you recommend for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Hot Area:**

The users can connect to App1 without being prompted for authentication:

<input type="checkbox"/>
An Azure AD app registration
An Azure AD managed identity
Azure AD Application Proxy

The users can access App1 only from company-owned computers:

<input type="checkbox"/>
A Conditional Access policy
An Azure AD administrative unit
Azure Application Gateway
Azure Blueprints
Azure Policy

**Correct Answer:**

The users can connect to App1 without being prompted for authentication:

<input type="checkbox"/>
<input checked="" type="checkbox"/> An Azure AD app registration
<input type="checkbox"/> An Azure AD managed identity
<input type="checkbox"/> Azure AD Application Proxy

The users can access App1 only from company-owned computers:

<input type="checkbox"/>
<input checked="" type="checkbox"/> A Conditional Access policy
<input type="checkbox"/> An Azure AD administrative unit
<input type="checkbox"/> Azure Application Gateway
<input type="checkbox"/> Azure Blueprints
<input type="checkbox"/> Azure Policy

## Explanation

### Explanation/Reference:

Box 1: An Azure AD app registration

Azure active directory (AD) provides cloud based directory and identity management services. You can use Azure AD to manage users of your application and authenticate access to your applications using Azure active directory.

You register your application with Azure active directory tenant.

Box 2: A conditional access policy

Conditional Access policies at their simplest are if-then statements, if a user wants to access a resource, then they must complete an action.

By using Conditional Access policies, you can apply the right access controls when needed to keep your organization secure and stay out of your user's way when not needed.

### Reference:

<https://codingcanvas.com/using-azure-active-directory-authentication-in-your-web-application/>

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview>

## QUESTION 196

### HOTSPOT

You have an Azure subscription named Subscription1. Subscription1 contains a virtual machine named VM1.

You install and configure a web server and a DNS server on VM1.

VM1 has the effective network security rules shown in the following exhibit:

**Network Interface: vm1441**    Effective security rules    Topology  
Virtual network/subnet: VNET1/default    NIC Public IP: 52.160.123.200    NIC Private IP: 10.0.6.4    Accelerated networking: Disabled

Inbound port rules    Outbound port rules    Application security groups    Load balancing

Network security group VM1-nsg (attached to network interface: vm1441) Impacts 0 subnets, 1 network interfaces							Add inbound port rule
Priority	Name	Port	Protocol	Source	Destination	Action	
100	Rule2	50-60	Any	Any	Any	<input checked="" type="radio"/> Deny	***
300	<span style="color: yellow;">⚠ RDP</span>	3389	TCP	Any	Any	<input checked="" type="radio"/> Allow	***
400	Rule1	50-500	Any	Any	Any	<input checked="" type="radio"/> Allow	***
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	<input checked="" type="radio"/> Allow	***
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	<input checked="" type="radio"/> Allow	***
65500	DenyAllInBound	Any	Any	Any	Any	<input checked="" type="radio"/> Deny	***

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

**Hot Area:**

Internet users [answer choice].

- can connect to only the DNS server on VM1
- can connect to only the web server on VM1
- can connect to the web server and the DNS server on VM1
- cannot connect to the web server and the DNS server on VM1

If you delete Rule2, Internet users [answer choice].

- can connect to only the DNS server on VM1
- can connect to only the web server on VM1
- can connect to the web server and the DNS server on VM1
- cannot connect to the web server and the DNS server on VM1

**Correct Answer:**

Internet users [answer choice].

- can connect to only the DNS server on VM1
- can connect to only the web server on VM1
- can connect to the web server and the DNS server on VM1
- cannot connect to the web server and the DNS server on VM1

If you delete Rule2, Internet users [answer choice].

- can connect to only the DNS server on VM1
- can connect to only the web server on VM1
- can connect to the web server and the DNS server on VM1
- cannot connect to the web server and the DNS server on VM1

## Explanation

### Explanation/Reference:

Box1:

Rule2 blocks ports 50-60, which includes port 53, the DNS port. Internet users can reach to the Web server, since it uses port 80.

Box 2:

If Rule2 is removed internet users can reach the DNS server as well.

Note: Rules are processed in priority order, with lower numbers processed before higher numbers, because lower numbers have higher priority.

Once traffic matches a rule, processing stops. As a result, any rules that exist with lower priorities (higher numbers) that have the same attributes as rules with higher priorities are not processed.

Reference:

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

## QUESTION 197

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:

Statements	Yes	No
Single sign-on (SSO) requires that all users sign in by using the Microsoft Authenticator app.	<input type="radio"/>	<input type="radio"/>
Authentication is the process of establishing which level of access an authenticated user or service has.	<input type="radio"/>	<input type="radio"/>
Conditional Access uses signals collected from a user during the sign-in process to decide whether to allow or deny access requests.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
Single sign-on (SSO) requires that all users sign in by using the Microsoft Authenticator app.	<input type="radio"/>	<input checked="" type="radio"/>
Authentication is the process of establishing which level of access an authenticated user or service has.	<input checked="" type="radio"/>	<input type="radio"/>
Conditional Access uses signals collected from a user during the sign-in process to decide whether to allow or deny access requests.	<input checked="" type="radio"/>	<input type="radio"/>

## Explanation

### Explanation/Reference:

## QUESTION 198

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

You can use the Azure File Sync agent to sync on-premises data to an Azure

**blob container.**  
Data Lake Storage container.  
**file share.**  
queue.

**Correct Answer:**

You can use the Azure File Sync agent to sync on-premises data to an Azure

**blob container.**  
Data Lake Storage container.  
**file share.**  
queue.

**Explanation**

**Explanation/Reference:**

You can use the Azure File Sync agent to sync on-premises data to an Azure **file share**.

**QUESTION 199**

**HOTSPOT**

Select the answer that correctly completes the sentence.

**Hot Area:**

- The Microsoft Purview compliance portal
- The Microsoft 365 Defender portal
- Microsoft Defender for Cloud in the Azure portal
- Microsoft Trust Center

provides in-depth information about security, privacy, compliance offerings, policies, and features across Microsoft cloud products.

**Correct Answer:**

The Microsoft Purview compliance portal
The Microsoft 365 Defender portal
Microsoft Defender for Cloud in the Azure portal
<b>Microsoft Trust Center</b>

provides in-depth information about security, privacy, compliance offerings, policies, and features across Microsoft cloud products.

#### Explanation

##### Explanation/Reference:

Microsoft Trust Center

The Trust Center provides:

In-depth information about security, privacy, compliance offerings, policies, features, and practices across Microsoft cloud products.

Additional resources for each topic.

Links to the security, privacy, and compliance blogs and upcoming events.

<https://www.azureguru.org/explore-the-microsoft-trust-center/#:~:text=The%20Trust%20Center%20provides%3A,Additional%20resources%20for%20each%20topic.>

#### QUESTION 200

HOTSPOT

Select the answer that correctly completes the sentence.

##### Hot Area:

Azure Resource Manager (ARM) templates use the

CSV format.
HTML format.
JSON format.
XML format.

#### Correct Answer:

Azure Resource Manager (ARM) templates use the

CSV format.
HTML format.
<b>JSON format.</b>
XML format.

#### Explanation

**Explanation/Reference:**

**QUESTION 201**

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

Data that is stored in the Archive access tier of an Azure Storage account:

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

**Correct Answer:**

Data that is stored in the Archive access tier of an Azure Storage account:

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

**Explanation**

**Explanation/Reference:**

Data that is stored in the Archive access tier of an Azure Storage account **must be rehydrated before the data can be accessed**.

**QUESTION 202**

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

Azure Blob Storage is a

- data store for queuing and reliably delivering messages between applications.
- file share that can be mapped as a network drive.
- key/attribute store for non-relational, structured data.
- storage service optimized for very large objects, such as video files and bitmaps.

**Correct Answer:**

Azure Blob Storage is a

- data store for queuing and reliably delivering messages between applications.
- file share that can be mapped as a network drive.
- key/attribute store for non-relational, structured data.
- storage service optimized for very large objects, such as video files and bitmaps.

### Explanation

#### Explanation/Reference:

### QUESTION 203

#### HOTSPOT

Select the answer that correctly completes the sentence.

#### Hot Area:

You can use  
billing period to

Advisor recommendations
Access control (AM)
Budget alerts
Compliance

in Azure to send email alerts when the cost of the current specified limit.

### Correct Answer:

You can use  
billing period to

Advisor recommendations
Access control (AM)
Budget alerts
Compliance

in Azure to send email alerts when the cost of the current specified limit.

### Explanation

#### Explanation/Reference:

### QUESTION 204

#### HOTSPOT

You need to create a new Azure file share.

What should you use? To answer, select the service in the answer area.

NOTE: Each correct selection is worth one point.

**Hot Area:**



**Correct Answer:**



**Explanation**

**Explanation/Reference:**

**QUESTION 205  
HOTSPOT**

Select the answer that correctly completes the sentence.

**Hot Area:**

Requiring a user to enter a password and answer a security question when signing-in to Azure Active Directory (Azure AD) is an example of

- business-to-customer (B2C) identity services.
- managed identities.
- multi-factor authentication (MFA).
- role-based access control (RBAC).

**Correct Answer:**

Requiring a user to enter a password and answer a security question when signing-in to Azure Active Directory (Azure AD) is an example of

- business-to-customer (B2C) identity services.
- managed identities.
- multi-factor authentication (MFA). **Selected**
- role-based access control (RBAC).

**Explanation**

**Explanation/Reference:**

**QUESTION 206**

**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:**

**Statements**

**Yes**    **No**

The Archive access tier for Azure Storage can be set at the account level.

The Cool access tier offers the lowest costs for storing blobs in Azure Storage.

After blobs are uploaded to an Azure Storage container, the access tier of the storage account can be changed.

**Correct Answer:**

Statements	Yes	No
The Archive access tier for Azure Storage can be set at the account level.	<input type="radio"/>	<input checked="" type="radio"/>
The Cool access tier offers the lowest costs for storing blobs in Azure Storage.	<input type="radio"/>	<input checked="" type="radio"/>
After blobs are uploaded to an Azure Storage container, the access tier of the storage account can be changed.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

**Explanation/Reference:**

#### QUESTION 207

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

configuring high availability.
defining scalability rules.
installing the SaaS solution.
<b>configuring the SaaS solution.</b>

### Correct Answer:

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

configuring high availability.
defining scalability rules.
installing the SaaS solution.
<b>configuring the SaaS solution.</b>

### Explanation

**Explanation/Reference:**

When you are Implementing a software as a service(SaaS) solution, you are responsible for **configuring the SaaS solution**

#### QUESTION 208

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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
A company has complete control of the resources and security for its private cloud.	<input type="radio"/>	<input type="radio"/>
A hybrid cloud solution enables a company to control whether its applications run on-premises or in the cloud.	<input type="radio"/>	<input type="radio"/>
Companies are responsible for capital expenditure when they scale up a virtual machine hosted in a public cloud.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
A company has complete control of the resources and security for its private cloud.	<input type="radio"/>	<input checked="" type="radio"/>
A hybrid cloud solution enables a company to control whether its applications run on-premises or in the cloud.	<input type="radio"/>	<input type="radio"/>
Companies are responsible for capital expenditure when they scale up a virtual machine hosted in a public cloud.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

**QUESTION 209**

**HOTSPOT**

Select the answer that correctly completes the sentence.

**Hot Area:**

**Answer Area**

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

You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

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

**Correct Answer:**

## Answer Area

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

You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

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

## Explanation

### Explanation/Reference:

#### QUESTION 210

#### 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:

Statements	Yes	No
Pay-As-You-Go (PAYG) is a consumption-based model.	<input type="radio"/>	<input type="radio"/>
Payments to cloud service providers are considered capital expenditures (CapEx).	<input type="radio"/>	<input type="radio"/>
The services provided through a consumption-based model are considered operational expenditures (OpEx).	<input type="radio"/>	<input type="radio"/>

#### Correct Answer:

Statements	Yes	No
Pay-As-You-Go (PAYG) is a consumption-based model.	<input checked="" type="radio"/>	<input type="radio"/>
Payments to cloud service providers are considered capital expenditures (CapEx).	<input checked="" type="radio"/>	<input type="radio"/>
The services provided through a consumption-based model are considered operational expenditures (OpEx).	<input type="radio"/>	<input checked="" type="radio"/>

## Explanation

### Explanation/Reference:

**QUESTION 211**

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:**

- The Azure Migrate: Server Assessment tool
- The Azure Total Cost of Ownership (TCO) calculator**
- The Database Migration Assistant
- The pricing calculator in Azure

can calculate cost savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL servers to Azure.

**Correct Answer:**

- The Azure Migrate: Server Assessment tool
- The Azure Total Cost of Ownership (TCO) calculator**
- The Database Migration Assistant
- The pricing calculator in Azure

can calculate cost savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL servers to Azure.

**Explanation****Explanation/Reference:****QUESTION 212**

HOTSPOT

Select the answer that correctly completes the sentence.

**Hot Area:****Answer Area**

After you create a virtual machine, you need to modify the \_\_\_\_\_ to allow connections to TCP port 8080 on the virtual machine.

- network security group (NSG)**
- virtual network gateway
- virtual network
- route table

**Correct Answer:**

## Answer Area

After you create a virtual machine, you need to modify the \_\_\_\_\_ to allow connections to TCP port 8080 on the virtual machine.

network security group (NSG)
virtual network gateway
virtual network
route table

## Explanation

### Explanation/Reference:

#### QUESTION 213 HOTSPOT

Select the answer that correctly completes the sentence.

### Hot Area:

An Azure container instance is an example of an Azure \_\_\_\_\_.

compute service.
identity service.
networking service.
storage service.

### Correct Answer:

An Azure container instance is an example of an Azure \_\_\_\_\_.

compute service.
identity service.
networking service.
storage service.

## Explanation

### Explanation/Reference:

#### QUESTION 214 HOTSPOT

Select the answer that correctly completes the sentence.

### Hot Area:

Premium block blobs storage accounts only support

- geo-redundant storage (GRS)
- geo-zone-redundant storage (GZRS)
- locally-redundant storage (LRS)
- zone-redundant storage (ZRS)

redundancy.

### Correct Answer:

Premium block blobs storage accounts only support

- geo-redundant storage (GRS)
- geo-zone-redundant storage (GZRS)
- locally-redundant storage (LRS)**
- zone-redundant storage (ZRS)

redundancy.

### Explanation

#### Explanation/Reference:

#### QUESTION 215

#### 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:

##### Statements

You can deploy Azure Resource Manager (ARM) templates by using the Azure portal.

Yes

No

Azure Resource Manager (ARM) templates can define infrastructure by using code.

Yes

No

Each Azure resource to be deployed requires a separate Azure Resource Manager (ARM) template.

Yes

No

### Correct Answer:

Statements	Yes	No
You can deploy Azure Resource Manager® (ARM) templates by using the Azure portal.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Resource Manager (ARM) templates can define infrastructure by using code.	<input type="radio"/>	<input checked="" type="radio"/>
Each Azure resource to be deployed requires a separate Azure Resource Manager (ARM) template.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

### QUESTION 216

#### 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:

Statements	Yes	No
You must install Azure Cloud Shell on your computer before you can use it.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure Command-Line Interface (CLI) is installed by default in Windows 11.	<input type="radio"/>	<input checked="" type="radio"/>
Azure PowerShell can be used on computers that run Windows, Linux, or macOS.	<input checked="" type="radio"/>	<input type="radio"/>

### Correct Answer:

Statements	Yes	No
You must install Azure Cloud Shell on your computer before you can use it.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure Command-Line Interface (CLI) is installed by default in Windows 11.	<input type="radio"/>	<input checked="" type="radio"/>
Azure PowerShell can be used on computers that run Windows, Linux, or macOS.	<input checked="" type="radio"/>	<input type="radio"/>

### Explanation

#### Explanation/Reference:

### QUESTION 217

#### 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:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
A company has complete control of the resources and security for its private cloud.	<input type="radio"/>	<input type="radio"/>
A hybrid cloud solution enables a company to control whether its applications run on-premises or in the cloud.	<input type="radio"/>	<input type="radio"/>
Companies are responsible for capital expenditure when they scale up a virtual machine hosted in a public cloud.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

<b>Statements</b>	<b>Yes</b>	<b>No</b>
A company has complete control of the resources and security for its private cloud.	<input checked="" type="radio"/>	<input type="radio"/>
A hybrid cloud solution enables a company to control whether its applications run on-premises or in the cloud.	<input type="radio"/>	<input checked="" type="radio"/>
Companies are responsible for capital expenditure when they scale up a virtual machine hosted in a public cloud.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation**

**Explanation/Reference:**

**QUESTION 218**

**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:**

**Statements****Yes** **No**

An Azure Virtual Desktop session host can run Windows 10 or Windows 11 only.

An Azure Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.

Azure Virtual Desktop supports desktop and app virtualization.

 **Correct Answer:****Statements****Yes** **No**

An Azure Virtual Desktop session host can run Windows 10 or Windows 11 only.

An Azure Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.

Azure Virtual Desktop supports desktop and app virtualization.

 **Explanation****Explanation/Reference:****QUESTION 219****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:****Statements****Yes** **No**

Adding resource groups in an Azure subscription generates additional costs.

Copying 10 GB of data **to** Azure **from** an on-premises network over a VPN generates additional Azure data transfer costs.

Copying 10 GB of data **from** Azure **to** an on-premises network over a VPN generates additional Azure data transfer costs.

 **Correct Answer:**

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	<input type="radio"/>	<input checked="" type="radio"/>
Copying 10 GB of data <b>to</b> Azure <b>from</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input checked="" type="radio"/>	<input type="radio"/>
Copying 10 GB of data <b>from</b> Azure <b>to</b> an on-premises network over a VPN generates additional Azure data transfer costs.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation

**Explanation/Reference:**

#### QUESTION 220

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:**

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:**

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"/>

### Explanation

**Explanation/Reference:**

#### QUESTION 221

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:**

**Statements**

**Yes** **No**

In an Azure virtual machine scale set, the virtual machines are configured identically.

The number of Azure virtual machines in a virtual machine scale set can increase automatically.

The number of Azure virtual machines in a virtual machine scale set can decrease automatically.

**Correct Answer:**

**Statements**

**Yes** **No**

In an Azure virtual machine scale set, the virtual machines are configured identically.

The number of Azure virtual machines in a virtual machine scale set can increase automatically.

The number of Azure virtual machines in a virtual machine scale set can decrease automatically.

**Explanation**

**Explanation/Reference:**

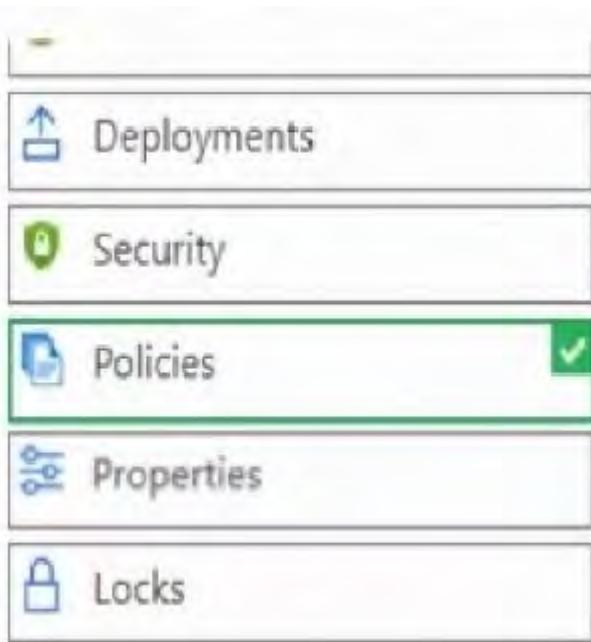
**QUESTION 222**

**HOTSPOT**

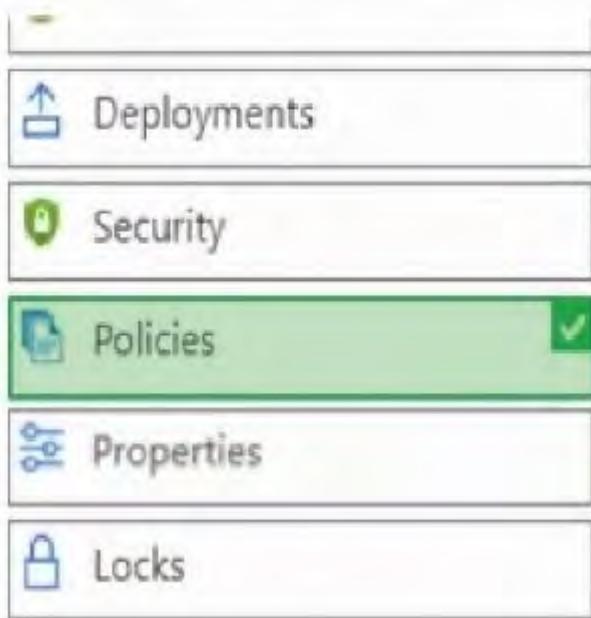
Which node in the Azure portal should you use to assign a user the Reader role for a resource group? To answer, select the node in the answer area.

NOTE: Each correct selection is worth one point.

**Hot Area:**



**Correct Answer:**



**Explanation**

**Explanation/Reference:**

## Exam E

### QUESTION 1 DRAG DROP

Match the term to the correct definition.

Instructions: To answer, drag the appropriate term from the column on the left to its description on the right. Each term 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 Government		An organization that defines international standards across all industries.
GDPR		An organization that defines standards used by the United States government.
ISO		A European policy that regulates data privacy and data protection.
NIST		A dedicated public cloud for federal and state agencies in the United States.

**Correct Answer:**

Answer Options	Answer Area	
	ISO	An organization that defines international standards across all industries.
	NIST	An organization that defines standards used by the United States government.
	GDPR	A European policy that regulates data privacy and data protection.
	Azure Government	A dedicated public cloud for federal and state agencies in the United States.

**Explanation**

**Explanation/Reference:**

Box 1: ISO

ISO is the International Organization for Standardization. Companies can be certified to ISO standards, for example ISO 9001 or 27001 are commonly used in IT companies.

Box 2: NIST

The National Institute of Standards and Technology (NIST) is a physical sciences laboratory, and a non-regulatory agency of the United States Department of Commerce.

**Box 3: GDPR**

GDPR is the General Data Protection Regulations. This standard was adopted across Europe in May 2018 and replaces the now deprecated Data Protection Directive.

The General Data Protection Regulation (EU) (GDPR) is a regulation in EU law on data protection and privacy in the European Union (EU) and the European Economic Area (EEA). It also addresses the transfer of personal data outside the EU and EEA areas. The GDPR aims primarily to give control to individuals over their personal data and to simplify the regulatory environment for international business by unifying the regulation within the EU.

**Box 4: Azure Government**

US government agencies or their partners interested in cloud services that meet government security and compliance requirements, can be confident that Microsoft Azure Government provides world-class security, protection, and compliance services. Azure Government delivers a dedicated cloud enabling government agencies and their partners to transform mission-critical workloads to the cloud. Azure Government services handle data that is subject to certain government regulations and requirements, such as FedRAMP, NIST 800.171 (DIB), ITAR, IRS 1075, DoD L4, and CJIS. In order to provide you with the highest level of security and compliance, Azure Government uses physically isolated datacenters and networks (located in U.S. only).

**References:**

[https://en.wikipedia.org/wiki/National\\_Institute\\_of\\_Standards\\_and\\_Technology](https://en.wikipedia.org/wiki/National_Institute_of_Standards_and_Technology)

[https://en.wikipedia.org/wiki/General\\_Data\\_Protection\\_Regulation](https://en.wikipedia.org/wiki/General_Data_Protection_Regulation)

<https://docs.microsoft.com/en-us/azure/azure-government/documentation-government-welcome>

**QUESTION 2**  
**DRAG DROP**

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	An integrated solution for the deployment of code
Azure Cognitive Services	A tool that provides guidance and recommendations to improve an Azure environment
Azure Application Insights	A simplified tool to build intelligent Artificial Intelligence (AI) applications
Azure DevOps	Monitors web applications

**Correct Answer:**

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

## Explanation

### Explanation/Reference:

Box 1: Azure DevOps.

Azure DevOps is Microsoft's primary software development and deployment platform.

DevOps influences the application lifecycle throughout its plan, develop, deliver and operate phases.

Box 2: Azure Advisor.

Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.

Box 3: Azure Cognitive Services.

Azure Cognitive Services are APIs, SDKs, and services available to help developers build intelligent applications without having direct AI or data science skills or knowledge. Azure Cognitive Services enable developers to easily add cognitive features into their applications. The goal of Azure Cognitive Services is to help developers create applications that can see, hear, speak, understand, and even begin to reason. The catalog of services within Azure Cognitive Services can be categorized into five main pillars - Vision, Speech, Language, Web Search, and Decision.

Box 4. Azure Application Insights.

Azure Application Insights detects and diagnoses anomalies in web apps.

Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals. Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.

### References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview>

<https://azure.microsoft.com/en-gb/overview/what-is-devops/>

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

<https://docs.microsoft.com/en-us/azure/cognitive-services/welcome>

## QUESTION 3 DRAG DROP

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 selection is worth one point.

**Select and Place:**

Answer Options	Answer Area
Azure Databricks	Provides the platform for serverless code
Azure Functions	A big data analysis service for machine learning
Azure App Service	Detects and diagnoses anomalies in web apps
Azure Application Insights	Hosts web app

#### Correct Answer:

Answer Options	Answer Area
	Azure Functions Provides the platform for serverless code
	Azure Databricks A big data analysis service for machine learning
	Azure Application Insights Detects and diagnoses anomalies in web apps
	Azure App Service Hosts web app

#### Explanation

##### Explanation/Reference:

Box 1:

Azure Functions provides the platform for serverless code.

Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure.

Box 2:

Azure Databricks is a big analysis service for machine learning.

Azure Databricks is an Apache Spark-based analytics platform. The platform consists of several components including 'MLib'. Mlib is a Machine Learning library consisting of common learning algorithms and utilities, including classification, regression, clustering, collaborative filtering, dimensionality reduction, as well as underlying optimization primitives.

Box 3:

Azure Application Insights detects and diagnoses anomalies in web apps.

Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals. Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.

Box 4:

Azure App Service hosts web apps.

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

References:

<https://docs.microsoft.com/en-us/azure/azure-functions/>

<https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks#apache-spark-based-analytics-platform>

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview>

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

**QUESTION 4**  
**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 selection is worth one point.

**Select and Place:**

Answer Options	Answer Area	
Azure Machine Learning		Provides a digital online assistant that provides speech support
Azure IoT Hub		Uses past trainings to provide predictions that have high probability
Azure AI bot		Provides serverless computing functionalities
Azure Functions		Processes data from millions of sensors

**Correct Answer:**

Answer Options	Answer Area
	Azure AI bot
	Azure Machine Learning
	Azure Functions
	Azure IoT Hub

## Explanation

### Explanation/Reference:

Box 1:

Azure AI bot provides a digital online assistant that provides speech support. Bots provide an experience that feels less like using a computer and more like dealing with a person - or at least an intelligent robot. They can be used to shift simple, repetitive tasks, such as taking a dinner reservation or gathering profile information, on to automated systems that may no longer require direct human intervention. Users converse with a bot using text, interactive cards, and speech. A bot interaction can be a quick question and answer, or it can be a sophisticated conversation that intelligently provides access to services.

Box 2:

Azure Machine Learning uses past trainings to provide predictions that have high probability. Machine learning is a data science technique that allows computers to use existing data to forecast future behaviors, outcomes, and trends. By using machine learning, computers learn without being explicitly programmed. Forecasts or predictions from machine learning can make apps and devices smarter. For example, when you shop online, machine learning helps recommend other products you might want based on what you've bought.

Box 3:

Azure Functions provides serverless computing functionalities. Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure.

Box 4:

IoT Hub (Internet of things Hub) provides data from millions of sensors. IoT Hub is a managed service, hosted in the cloud, that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages. You can use Azure IoT Hub to build IoT solutions with reliable and secure communications between millions of IoT devices and a cloud-hosted solution backend. You can connect virtually any device to IoT Hub.

### References:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0>

<https://docs.microsoft.com/en-us/azure/machine-learning/overview-what-is-azure-ml>

<https://docs.microsoft.com/en-us/azure/azure-functions/>

<https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub>

**QUESTION 5**  
DRAG DROP

Match the Azure Cloud Services benefit to the correct description.

Instructions: To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit 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
Disaster recovery	A cloud service that remains available after it occurs
Fault tolerance	A cloud service that can be recovered after it occurs
Low latency	A cloud service that performs quickly when it increases
Dynamic scalability	A cloud service that can be accessed quickly to the Internet.

**Correct Answer:**

Answer Options	Answer Area
	A cloud service that remains available after it occurs
	A cloud service that can be recovered after it occurs
	A cloud service that performs quickly when it increases
	A cloud service that can be accessed quickly to the Internet.

**Explanation**

**Explanation/Reference:**

Box 1:

Fault tolerance is the ability of a service to remain available after a failure of one of the components of the service. For example, a service running on multiple servers can withstand the failure of one of the servers.

**Box 2:**

Disaster recovery is the recovery of a service after a failure. For example, restoring a virtual machine from backup after a virtual machine failure.

**Box 3:**

Dynamic scalability is the ability for compute resources to be added to a service when the service is under heavy load. For example, in a virtual machine scale set, additional instances of the virtual machine are added when the existing virtual machines are under heavy load.

**Box 4:**

Latency is the time a service to respond to requests. For example, the time it takes for a web page to be returned from a web server. Low latency means low response time which means a quicker response.

**References:**

<https://msdn.microsoft.com/en-us/magazine/mt422582.aspx>

<https://searchdisasterrecovery.techtarget.com/definition/cloud-disaster-recovery-cloud-DR>

<http://www.siasmsp.com/the-benefit-of-scalability-in-cloud-computing-2/>

<https://azure.microsoft.com/en-in/overview/what-is-cloud-computing/>

**QUESTION 6**

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 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 Data Lake Analytics 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

## Explanation

### Explanation/Reference:

#### Box 1: Azure SQL Database

SQL Server is a relational database service. Azure SQL Database is a managed SQL Server Database in Azure. The SQL Server is managed by Microsoft; you just have access to the database.

#### Box 2: Azure SQL Data Warehouse

Azure SQL Data Warehouse (SQL DW) is a cloud-based Platform-as-a-Service (PaaS) offering from Microsoft. It is a large-scale, distributed, MPP (massively parallel processing) relational database technology in the same class of competitors as Amazon Redshift or Snowflake. Azure SQL DW is an important component of the Modern Data Warehouse multi-platform architecture. Because Azure SQL DW is an MPP system with a shared-nothing architecture across distributions, it is meant for large-scale analytical workloads which can take advantage of parallelism.

#### Box 3: Azure Data Lake Analytics

You can process big data jobs in seconds with Azure Data Lake Analytics. You can process petabytes of data for diverse workload categories such as querying, ETL, analytics, machine learning, machine translation, image processing and sentiment analysis by leveraging existing libraries written in .NET languages, R or Python.

#### Box 4: Azure HDInsight.

Apache Hadoop was the original open-source framework for distributed processing and analysis of big data sets on clusters. The Hadoop ecosystem includes related software and utilities, including Apache Hive, Apache HBase, Spark, Kafka, and many others.

Azure HDInsight is a fully managed, full-spectrum, open-source analytics service in the cloud for enterprises. The Apache Hadoop cluster type in Azure HDInsight allows you to use HDFS, YARN resource management, and a simple MapReduce programming model to process and analyze batch data in parallel.

### 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>

<https://www.blue-granite.com/blog/is-azure-sql-data-warehouse-a-good-fit-updated>

<https://azure.microsoft.com/en-gb/services/data-lake-analytics/>

## QUESTION 7

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 selection is worth one point.

**Select and Place:**

Services	Answer Area	
Azure Functions		Provide operating system virtualization
Azure App Service		Provide portable environment for virtualized applications
Azure virtual machines		Used to build, deploy, and scale web apps
Azure Container Instances		Provide a platform for serverless code

**Correct Answer:**

Services	Answer Area	
	Azure Functions	Provide operating system virtualization
	Azure App Service	Provide portable environment for virtualized applications
	Azure virtual machines	Used to build, deploy, and scale web apps
	Azure Container Instances	Provide a platform for serverless code

**Explanation**

**Explanation/Reference:**

Box 1:

Azure virtual machines provide operation system virtualization.

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

Box 2:

Azure Container Instances provide portable environments for virtualized applications.

Containers are becoming the preferred way to package, deploy, and manage cloud applications. Azure Container Instances offers the fastest and simplest way to run a container in Azure, without having to manage any virtual machines and without having to adopt a higher-level service.

Containers offer significant startup benefits over virtual machines (VMs). Azure Container Instances can start containers in Azure in seconds, without the need to provision and manage VMs.

Box 3:

Azure App Service is used to build, deploy and scale web apps.

Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises. App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile Services.

Box 4:

Azure Functions provide a platform for serverless code.

Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure.

**References:**

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/overview>  
<https://docs.microsoft.com/en-us/azure/security/fundamentals/paas-applications-using-app-services>  
<https://docs.microsoft.com/en-us/azure/azure-functions/>  
<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-overview>

**QUESTION 8**  
DRAG DROP

Match the cloud model to the correct advantage.

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

**NOTE:** Each correct match is worth one point

**Select and Place:**

Cloud model	Work Area
Hybrid Cloud	No required capital expenditure.
Private Cloud	Provides complete control over security.
Public Cloud	Provides a choice to use on-premises or cloud-based resources.

**Correct Answer:**

Cloud model	Work Area
	Public Cloud No required capital expenditure.
	Private Cloud Provides complete control over security.
	Hybrid Cloud Provides a choice to use on-premises or cloud-based resources.

**Explanation**

**Explanation/Reference:**

Box 1: Public Cloud

With a public cloud, there is no capital expenditure on server hardware etc. You only pay for cloud resources that you use as you use them.

Box 2: Private Cloud

A private cloud exists on premises, so you have complete control over security.

Box 3: Hybrid Cloud

A hybrid cloud is a mix of public cloud resources and on-premises resources. Therefore, you have a choice to use either.

**QUESTION 9**  
DRAG DROP

Match the Azure services to the correct descriptions.

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:**

**Azure Services**

- Azure Machine Learning
- Azure Synapse Analytics
- Azure IoT Hub
- Azure Functions

**Answer Area**

- Provides a cloud-based Enterprise Data Warehouse (EDW).
- Uses past trainings to provide predictions that have high probability.
- Provides serverless computing functionalities.
- Processes data from millions of sensors.

**Correct Answer:**

**Azure Services**

- 
- 
- 

**Answer Area**

- Azure Synapse Analytics
  - Azure Machine Learning
  - Azure IoT Hub
  - Azure Functions
- Provides a cloud-based Enterprise Data Warehouse (EDW).
- Uses past trainings to provide predictions that have high probability.
- Provides serverless computing functionalities.
- Processes data from millions of sensors.

**Explanation**

**Explanation/Reference:**

Reference:

<https://azure.microsoft.com/en-gb/services/synapse-analytics/>  
<https://docs.microsoft.com/en-us/azure/machine-learning/overview-what-is-azure-ml>  
<https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub>  
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview>

**QUESTION 10**

DRAG DROP

The company would like to develop a cloud solution by making use of Azure Government. Azure Government can only be used by certain types of clients to develop cloud solutions.

Which of the following are the types of customers that can make use of Azure Government in this situation? Answer by dragging the correct option from the list to the answer area.

**Select and Place:**

# Options

# Answer

A government contractor from any country.

A government entity from any country.

A European government contractor.

A European government entity.

A United States government contractor.

A United States government entity.

**Correct Answer:**

# Options

A government contractor from any country.

A government entity from any country.

A European government contractor.

A European government entity.

# Answer

A United States government contractor.

A United States government entity.

## Explanation

### Explanation/Reference:

#### References:

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

## QUESTION 11

### DRAG DROP

Your company intends to subscribe to an Azure support plan.

The support plan must allow for new support requests to be opened.

Which of the following are support plans that will allow this? Answer by dragging the correct option from the list to the answer area.

### Select and Place:

# Options

# Answer

Basic

Developer

Standard

PROFESSIONAL  
DIRECT

PREMIER

Correct Answer:

# Options

Basic

# Answer

Developer

Standard

PROFESSIONAL  
DIRECT

PREMIER

## Explanation

### Explanation/Reference:

References:

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

### QUESTION 12

DRAG DROP

Match the Azure Services service to the correct descriptions.

Instructions: To answer, drag the appropriate 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:

Azure Active Directory(Azure AD)	Analyze security log files from Azure virtual machines
Azure Key Vault	Display the secure score for an Azure subscription
Azure Lighthouse	
Azure Security Center	Store passwords for use by Azure Function applications
Azure Sentinel	

Correct Answer:

Azure Active Directory(Azure AD)	Analyze security log files from Azure virtual machines
	Azure Sentinel
Azure Lighthouse	Display the secure score for an Azure subscription
	Azure Security Center
	Store passwords for use by Azure Function applications
	Azure Key Vault

## Explanation

### Explanation/Reference:

Box 1: Azure Sentinel

Box 2: Azure Security Center

Box 3: Azure Key Vault

Incorrect Answer:

Azure Active Directory (Azure AD)

Azure AD is an identity and access management service, which helps your employees sign in and access resources

Azure Lighthouse

Azure Lighthouse is used for cross- and multi-tenant management.

Reference:

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

<https://docs.microsoft.com/en-us/azure/security-center/secure-score-security-controls>

<https://practical365.com/securing-sensitive-information-in-azure-functions-with-the-azure-key-vault/>

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis>

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

**QUESTION 13**

DRAG DROP

You are implementing conditional access policies.

You must evaluate the existing Azure Active Directory (Azure AD) risk events and risk levels to conigure and implement the policies.

You need to identify the risk level of the following risk events:

Users with leaked credentials

Impossible travel to atypical locations

Sign-ins from IP addresses with suspicious activity

Which level should you identify for each risk event? To answer, drag the appropriate levels to the correct risk events. Each level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

**Select and Place:**

Levels	Answer Area
--------	-------------

High

Impossible travel to atypical locations:

Low

Users with leaked credentials:

Medium

Sign-ins from IP addresses with suspicious activity:

**Correct Answer:**

Levels	Answer Area
--------	-------------

Impossible travel to atypical locations:

Medium

Users with leaked credentials:

High

Sign-ins from IP addresses with suspicious activity:

Low

**Explanation**

**Explanation/Reference:**

Azure AD Identity protection can detect six types of suspicious sign-in activities:

1. Users with leaked credentials
2. Sign-ins from anonymous IP addresses
3. Impossible travel to atypical locations
4. Sign-ins from infected devices
5. Sign-ins from IP addresses with suspicious activity
6. Sign-ins from unfamiliar locations
7. These six types of events are categorized in to 3 levels of risks : High, Medium & Low:

Sign-in Activity	Risk Level
Users with leaked credentials	High
Sign-ins from anonymous IP addresses	Medium
Impossible travel to atypical locations	Medium
Sign-ins from infected devices	Medium
Sign-ins from IP addresses with suspicious activity	Low
Sign-ins from unfamiliar locations	Medium

References:

<http://www.rebeladmin.com/2018/09/step-step-guide-conigure-risk-based-azure-conditional-access-policies/>

**QUESTION 14**  
DRAG DROP

You need to configure an access review. The review will be assigned to a new collection of reviews and reviewed by resource owners.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions	Answer Area
Create an access review program.	
Set Reviewers to Selected users.	
Create an access review audit.	█
Create an access review control.	█
Set Reviewers to Group owners.	
Set Reviewers to Members.	

^
v

**Correct Answer:**

## Actions

Set Reviewers to Selected users.

Create an access review audit.

Set Reviewers to Members.

## Answer Area

Create an access review program.

Create an access review control.

Set Reviewers to Group owners.



## Explanation

### Explanation/Reference:

- Step 1: Create an access review program
- Step 2: Create an access review control
- Step 3: Set Reviewers to Group owners

In the Reviewers section, select either one or more people to review all the users in scope. Or you can select to have the members review their own access. If the resource is a group, you can ask the group owners to review.



### References:

- <https://docs.microsoft.com/en-us/azure/active-directory/governance/create-access-review>
- <https://docs.microsoft.com/en-us/azure/active-directory/governance/manage-programs-controls>

## QUESTION 15 DRAG DROP

Match the Azure Services service to the correct description.

Instructions: To answer, drag the appropriate 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:**

Services	Answer Area
Azure Sphere	<input type="text"/>
IoT Central	<input type="text"/>
IoT Hub	<input type="text"/>

A managed service that provides bidirectional communication between IoT devices and Azure

A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale

A software and hardware solution that provides communication and security features for IoT devices

**Correct Answer:**

Services	Answer Area
	<input type="text"/> IoT Hub
	<input type="text"/> IoT Central
	<input type="text"/> Azure Sphere

A managed service that provides bidirectional communication between IoT devices and Azure

A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale

A software and hardware solution that provides communication and security features for IoT devices

**Explanation**

**Explanation/Reference:**

**QUESTION 16**

DRAG DROP

Match the cloud computing benefits to the correct descriptions.

To answer, drag the appropriate 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:**

**Benefits**

Agility

Geo-distribution

Scalability

Benefit

Resources can be provisioned dynamically to meet changing demands.

Benefit

Applications and data can be deployed to multiple regions.

Benefit

Applications can be developed, tested, and launched rapidly.

**Correct Answer:****Benefits**


Scalability

Resources can be provisioned dynamically to meet changing demands.

Geo-distribution

Applications and data can be deployed to multiple regions.

Agility

Applications can be developed, tested, and launched rapidly.

**Explanation****Explanation/Reference:****QUESTION 17****DRAG DROP**

Match the term to the appropriate description.

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

NOTE: Each correct match is worth one point.

**Select and Place:****Terms**

authorization

multi-factor authentication (MFA)

single sign-on (SSO)

Term

The ability to use the same credentials to access multiple resources and applications from different providers.

Term

The process of identifying the access level of a user or service.

Term

One of several elements required to identify a user or a service.

**Correct Answer:****Terms**

single sign-on (SSO)

The ability to use the same credentials to access multiple resources and applications from different providers.

authorization

The process of identifying the access level of a user or service.

multi-factor authentication (MFA)

One of several elements required to identify a user or a service.

**Explanation****Explanation/Reference:****QUESTION 18****DRAG DROP**

Match the resources to the appropriate descriptions.

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

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

**Select and Place:**

## Resources

Data Protection Addendum

Microsoft Privacy Statement

Online Services Terms

## Answer Area

Resource Describes which personal data is collected, how the data is used, and what the data is used for.

Resource A legal agreement that details the obligations between Microsoft and a customer regarding the processing and security of customer data and personal data.

Resource Defines the data processing and security terms for online services, including the disclosure of processed data and the transfer, retention, and deletion of data.

## Correct Answer:

## Resources

## Answer Area

Microsoft Privacy Statement Describes which personal data is collected, how the data is used, and what the data is used for.

Data Protection Addendum A legal agreement that details the obligations between Microsoft and a customer regarding the processing and security of customer data and personal data.

Online Services Terms Defines the data processing and security terms for online services, including the disclosure of processed data and the transfer, retention, and deletion of data.

## Explanation

### Explanation/Reference:

Reference:

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

## QUESTION 19

DRAG DROP

You need to complete the defense-in-depth strategy used in a datacenter.

What should you do? To answer, drag the appropriate layers to the correct positions in the model. Each layer may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

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

**Select and Place:**

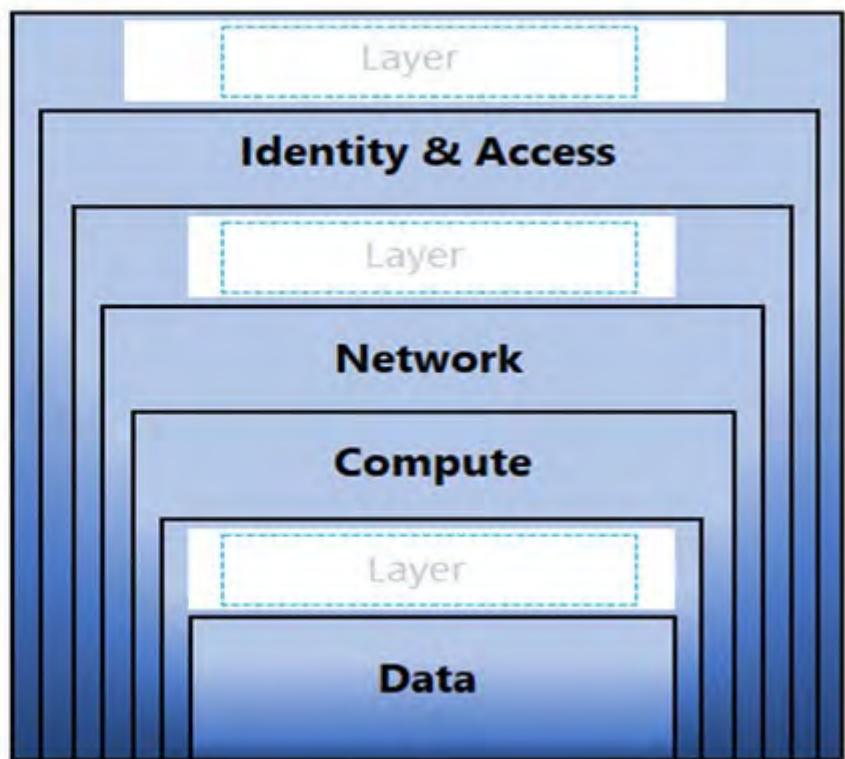
### Layers

Perimeter

Application

Physical Security

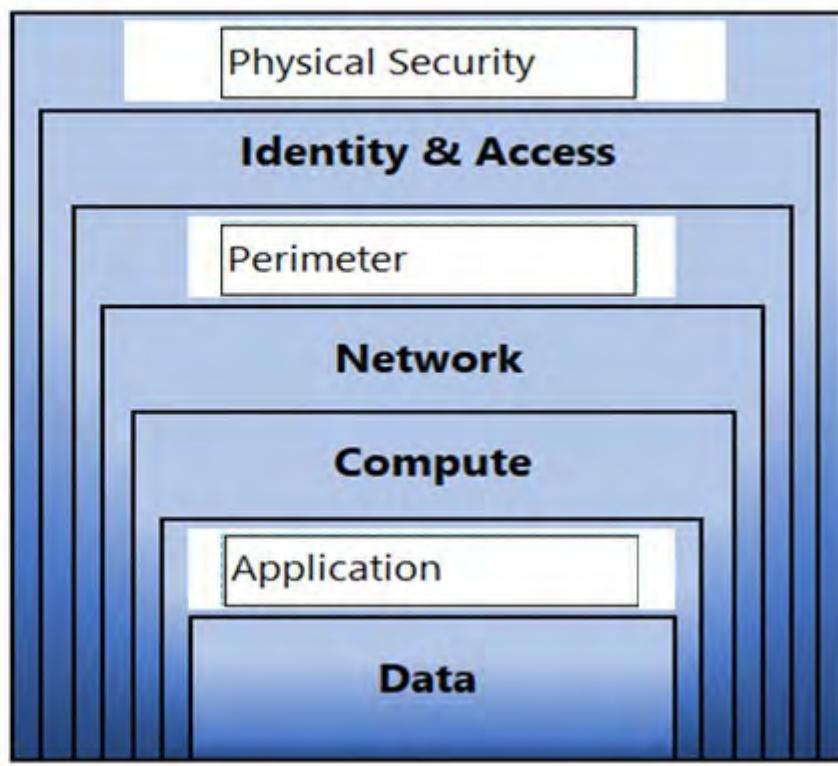
### Answer Area



**Correct Answer:**

## Layers

## Answer Area



## Explanation

### Explanation/Reference:

Defence in depth layers (from bottom to top):

#### Data

- In almost all cases attackers are after data.
- Data can be in database, stored on disk inside VMs, on a SaaS application such as Office 365 or in cloud storage.
- Those storing and controlling access to data ensure it's properly secured
- Often regulatory requirements dictate controls & processes
- to ensure confidentiality, integrity, and availability.

#### Application

- Ensure applications are secure and free of vulnerabilities.
- Store sensitive application secrets in a secure storage medium.
- Make security a design requirement for all application development.
- Integrate security into the application development life cycle.

#### Compute

- Secure access to virtual machines.
- Implement endpoint protection and keep systems patched and current.
- Malware, unpatched systems, and improperly secured systems open your environment to attacks.

#### Networking

- Limit communication between resources.
- Deny by default.
- Allow only what is required
- Restrict inbound internet access and limit outbound, where appropriate.
- Implement secure connectivity to on-premises networks.

#### Perimeter

- Use distributed denial of service (DDoS) protection to filter large-scale attacks before they can cause a denial of service for end users.

- Use perimeter firewalls to identify and alert on malicious attacks against your network.

#### Identity and access

- Control access to infrastructure and change control.
- Access granted is only what is needed
- Use single sign-on and multi-factor authentication.

- Audit events and changes.

#### Physical security

- Building security & controlling access to computing hardware.
- First line of defense.

Reference:

<https://github.com/undergroundwires/Azure-in-bullet-points/blob/master/AZ-900%20Microsoft%20Azure%20Fundamentals/4.2.%20Defence%20in%20Depth.md>

### QUESTION 20

DRAG DROP

Match the Azure service to the appropriate description.

To answer, drag the appropriate 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:**

#### Services

Azure Cosmos DB

Azure HDInsight

Azure Synapse Analytics

#### Answer Area

A fully managed data warehouse that has integral security at every level of scale at no extra cost.

A globally distributed database that supports NoSQL.

Managed Apache Hadoop clusters in the cloud that enable you to process massive amounts of data.

**Correct Answer:**

## Services


## Answer Area

Azure Synapse Analytics

A fully managed data warehouse that has integral security at every level of scale at no extra cost.

Azure Cosmos DB

A globally distributed database that supports NoSQL.

Azure HDInsight

Managed Apache Hadoop clusters in the cloud that enable you to process massive amounts of data.

## Explanation

### Explanation/Reference:

#### QUESTION 21

DRAG DROP

Match the serverless solution to the correct characteristic.

To answer, drag the appropriate serverless solution from the column on the left to its characteristic on the right. Each serverless solution may be used once, more than once, or not at all.

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

**Select and Place:**

## Serverless Solutions

## Answer Area

Azure Functions

Executes code:

Azure Logic Apps

Is always stateful:

Runs only in the cloud:

Correct Answer:

## Serverless Solutions

## Answer Area

Azure Functions

Executes code:

Azure Logic Apps

Is always stateful:

Runs only in the cloud:

Azure Functions

Azure Functions

Azure Logic Apps

## Explanation

### Explanation/Reference:

Box 1: Azure Functions

Azure Functions allows you to implement your system's logic into readily available blocks of code called "functions". Different functions can run anytime you need to respond to critical events.

Box 2: Azure Functions

Azure Logic Apps can have multiple stateful and stateless workflows.

Box 3: Azure Logic Apps

Azure Logic Apps is a cloud-based platform for creating and running automated workflows that integrate your apps, data, services, and systems.

### Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview>

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

## QUESTION 22

DRAG DROP

Match The cloud service models to the appropriate offerings.

To answer drag the appropriate model from the column on the left to its offering on the right. Each model may be used once, more than once, or not at all.

NOTE Each correct match is worth one point.

**Select and Place:**

Models	Answer Area
Infrastructure as a service (IaaS)	Model      Azure App Service
Platform as a service (PaaS)	Model      Azure virtual machines
Software as a service (SaaS)	Model      Microsoft Dynamics 365

**Correct Answer:**

Models	Answer Area
	Platform as a service (PaaS)      Azure App Service
	Infrastructure as a service (IaaS)      Azure virtual machines
	Software as a service (SaaS)      Microsoft Dynamics 365

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

DRAG DROP

You are investigating Microsoft 365 services and capabilities.

Match each scenario to its Microsoft 365 service. To answer, drag the appropriate Microsoft 365 service from the column on the left to its scenario on the right.

Each Microsoft 365 service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

**Select and Place:**

**Microsoft 365 services**

Exchange Online

Microsoft Teams

Microsoft Stream

**Answer Area****Scenario****Microsoft 365 service**

Users need to communicate in email, use a calendar, and store contacts.

Microsoft 365 service

Users need a central hub for meetings, chat, content, and calling.

Microsoft 365 service

**Correct Answer:****Microsoft 365 services**

Microsoft Stream

**Answer Area****Scenario****Microsoft 365 service**

Users need to communicate in email, use a calendar, and store contacts.

Exchange Online

Users need a central hub for meetings, chat, content, and calling.

Microsoft Teams

**Explanation****Explanation/Reference:**

**QUESTION 24****DRAG DROP**

A company that uses Microsoft 365 plans to deploy updates to computers.

You need to choose the appropriate update channel based on each requirement.

Which update channel should you use for each requirement? To answer, drag the appropriate update channels to the correct requirements. Each update channel may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct match is worth one point.

**Select and Place:**

<b>Answer Area</b>		<b>Update channels</b>
<b>Requirement</b>		<b>Update channel</b>
Provides the newest features as soon as they are ready		Current
Provides the newest feature updates on a schedule		Monthly Enterprise
Provides the most amount of time to test feature updates		Semi-Annual Enterprise

**Correct Answer:**

## Update channels

### Answer Area

#### Requirement

Provides the newest features as soon as they are ready

#### Update channel

Current

Provides the newest feature updates on a schedule

Monthly Enterprise

Provides the most amount of time to test feature updates

Semi-Annual Enterprise

### Explanation

#### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/deployoffice/overview-update-channels>

### QUESTION 25

DRAG DROP

You are the Microsoft 365 administrator for a company. The company plans to upgrade client operating systems to Windows 10.

You need to explain the concepts of Windows as a Service (WaaS) to the management team.

Match each term to its definition. To answer, drag the appropriate terms from the column on the left to its definitions on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

#### Select and Place:

### Answer Area

#### Terms

Windows Insider previews

Servicing channels

Deployment rings

#### Definition

Early builds that are released to the public during the feature-development phase

A method for controlling the frequency at which organizations deploy Windows 10 features

A method of gradually deploying Windows 10 features by using multiple sets of targeted devices

#### Term

**Correct Answer:**

### Answer Area

Terms	Definition	Term
	Early builds that are released to the public during the feature-development phase	Windows Insider previews
	A method for controlling the frequency at which organizations deploy Windows 10 features	Servicing channels
	A method of gradually deploying Windows 10 features by using multiple sets of targeted devices	Deployment rings

### Explanation

#### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/windows/deployment/update/waas-overview>

<https://docs.microsoft.com/en-us/windows/deployment/update/waas-deployment-rings-windows-10-updates>

### QUESTION 26

DRAG DROP

A company plans to migrate from a Microsoft volume licensing model to a subscription-based model.

Updates to devices must meet the following requirements:

Team	Requirement
Engineering	Application and operating system updates to laptop computers and mobile phones must start from an on-premises server.
Sales	Laptop computers and mobile phones must be updated periodically and not require an on-premises server.
Finance	Laptop computers and mobile phones must be updated periodically and monitored by using a single system.
Developers	Choose when updates are installed.

You need to recommend the appropriate servicing models to update employee laptop computers and mobile phones.

Which servicing models should you recommend? To answer, drag the appropriate servicing models to the correct teams. Each servicing model may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Answer Area

Servicing models	Team	Servicing model
Windows Update (stand-alone)	Engineering	
Windows Update for Business	Sales	
Windows Server Update Services	Finance	
System Center Configuration Manager	App developers	

Correct Answer:

### Answer Area

Servicing models	Team	Servicing model
	Engineering	Windows Server Update Services
	Sales	Windows Update for Business
	Finance	System Center Configuration Manager
	App developers	Windows Update (stand-alone)

### Explanation

#### Explanation/Reference:

For the app developers to decide when the updates are installed, they would have to use Windows Update (stand-alone). With WSUS, WUB or SCCM, the system administrator configures when the updates are installed.

Windows Update is the only option that allows the user to decide when the updates are installed.

Reference:

<https://docs.microsoft.com/en-us/windows/deployment/update/waas-overview#servicing-tools>

### QUESTION 27

DRAG DROP

A company plan to deploy Microsoft 365 services.

You need to choose the appropriate cloud service for each requirement.

Which cloud service should you choose for each requirement? To answer, drag the appropriate cloud services to the correct requirements. Each cloud service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct match is worth one point.

Select and Place:

**Cloud services**

Exchange Online

Microsoft Teams

Yammer

Microsoft Stream

**Answer Area****Requirement**

Users must be able to chat, host meetings, and make calls with internal and external users.

**Cloud service**

Cloud service

Users must be able to create posts, tag people and communities, and use social tagging.

Cloud service

**Correct Answer:****Cloud services**

Exchange Online

Microsoft Stream

**Answer Area****Requirement**

Users must be able to chat, host meetings, and make calls with internal and external users.

**Cloud service**

Microsoft Teams

Users must be able to create posts, tag people and communities, and use social tagging.

Yammer

**Explanation****Explanation/Reference:****QUESTION 28****DRAG DROP**

An organization plans to deploy Microsoft 365 in a hybrid scenario.

You need to provide a recommendation based on some common identity and access management scenarios. The solution must minimize costs.

Match each solution to its appropriate scenario. To answer, drag the appropriate solutions from the column on the left to the scenarios on the right. Each solution may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

**Select and Place:**

## Solutions

Active Directory Federation Services (AD FS)

PingFederate and federation integration

Password hash synchronization with single sign-on

Pass-through authentication and single sign-on

## Answer Area

### Scenario

### Solution

Enable a federation option for authentication in a hybrid environment.

Allow administrators to reset user passwords in Microsoft Azure AD.

Support non-federated users who authenticate with on-premises AD, and support multi-factor authentication.

Correct Answer:

## Solutions

PingFederate and federation integration

## Answer Area

### Scenario

Enable a federation option for authentication in a hybrid environment.

### Solution

Active Directory Federation Services (AD FS)

Allow administrators to reset user passwords in Microsoft Azure AD.

Password hash synchronization with single sign-on

Support non-federated users who authenticate with on-premises AD, and support multi-factor authentication.

Pass-through authentication and single sign-on

## Explanation

### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/security/azure-ad-choose-authn>

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-password-hash-synchronization>

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-ptauth>

## QUESTION 29

DRAG DROP

You have a hybrid environment that includes Microsoft Azure AD. On-premises applications use Active Directory Domain Services (AD DS) for authentication.

You need to determine which authentication methods to use.

Match each feature to its authentication source. To answer, drag the appropriate authentication sources from the column on the left to the features on the right.

Each authentication source may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

**Authentication sources**

AD DS only

Azure AD only

AD DS and Azure AD

**Answer Area****Client feature**

Log on to devices by using Windows Hello.

Log on to devices that are managed by Microsoft Intune.

Sign in to Outlook on the web by using multi-factor authentication.

**Authentication sources**

Authentication sources

Authentication sources

Authentication sources

**Correct Answer:**

### Authentication sources

AD DS only

Azure AD only

AD DS and Azure AD

### Answer Area

#### Client feature

Log on to devices by using Windows Hello.

#### Authentication sources

AD DS and Azure AD

Log on to devices that are managed by Microsoft Intune.

AD DS and Azure AD

Sign in to Outlook on the web by using multi-factor authentication.

Azure AD only

### Explanation

#### Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/windows/security/identity-protection/hello-for-business/hello-identity-verification>

### QUESTION 30 DRAG DROP

Your organization is considering subscribing to Microsoft 365.

You need to educate stakeholders about how Microsoft 365 components enable effective collaboration.

Match each Microsoft 365 service to the best service description. To answer, drag the appropriate services to the correct descriptions. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct match is worth one point.

#### Select and Place:

**Services**

Microsoft Teams

OneDrive for Business

SharePoint Online

Microsoft Yammer

Office 365 ProPlus

**Description**

A chat-based workspace that facilitates real-time collaboration and enables members of an organization to have conversations and create work plans.

A cloud service that enables you to store and protect files, share files with others, access files from anywhere using an app or a web-browser, and restore all files to a previous date and time.

A cloud service that enables you to store, organize, add third-party apps, access information from almost any device, allow sharing with external people by default, all by using a web-browser.

A private social network that you can use to efficiently resolve support issues and gather feedback on projects and documents.

**Service**

Service

Service

Service

Service

**Correct Answer:**

## Services

Office 365 ProPlus

### Description

A chat-based workspace that facilitates real-time collaboration and enables members of an organization to have conversations and create work plans.

A cloud service that enables you to store and protect files, share files with others, access files from anywhere using an app or a web-browser, and restore all files to a previous date and time.

A cloud service that enables you to store, organize, add third-party apps, access information from almost any device, allow sharing with external people by default, all by using a web-browser.

A private social network that you can use to efficiently resolve support issues and gather feedback on projects and documents.

### Service

Microsoft Teams

OneDrive for Business

SharePoint Online

Microsoft Yammer

## Explanation

### Explanation/Reference:

Reference:

<https://products.office.com/en-us/microsoft-teams/group-chat-software>

<https://products.office.com/en-za/onedrive-for-business/online-cloud-storage>

<https://products.office.com/en-us/sharepoint/sharepoint-online-collaboration-software>

<https://products.office.com/en-za/yammer-overview>

## QUESTION 31

DRAG DROP

An organization is considering migrating resources to the cloud. The company does not plan to deploy Microsoft Azure ExpressRoute or site-to-site VPNs.

You need to identify which workloads you can migrate to the cloud.

Which workloads you can migrate to the cloud? To answer, drag the appropriate actions to the correct workloads. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

**Select and Place:**

**Actions**

Migrate to the cloud

Remain on-premises

**Answer Area**

**Workload**

**Action**

You have a legacy application that requires connectivity with an on-premises data store.

Action

You need to deploy an external-facing website.

Action

You need to deploy a Microsoft SharePoint collaboration site for partners.

Action

**Correct Answer:**

**Actions**

Migrate to the cloud

Remain on-premises

**Answer Area**

**Workload**

**Action**

You have a legacy application that requires connectivity with an on-premises data store.

Remain on-premises

You need to deploy an external-facing website.

Migrate to the cloud

You need to deploy a Microsoft SharePoint collaboration site for partners.

Migrate to the cloud

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 32** **DRAG DROP**

A company plans to deploy Microsoft 365.

You need to identify differences between the features in Exchange Online and Exchange Server.

Match the appropriate features to the corresponding supported environments. To answer, drag the appropriate environments to the correct features. Each environment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### **Select and Place:**

#### **Supported environments**

Exchange Server only

Exchange Online only

Exchange Server and Exchange Online

#### **Answer area**

#### **Feature**

#### **Supported environments**

Exchange Web Services (EWS) access to accounts

Supported environment

Custom EWS throttling settings

Supported environment

Information rights management, archiving, and legal holds

Supported environment

### **Correct Answer:**

<b>Answer area</b>	<b>Supported environments</b>
	Exchange Server only
	Exchange Online only
	Exchange Server and Exchange Online
<b>Feature</b>	<b>Supported environments</b>
Exchange Web Services (EWS) access to accounts	Exchange Server and Exchange Online
Custom EWS throttling settings	Exchange Server only
Information rights management, archiving, and legal holds	Exchange Server and Exchange Online

#### **Explanation**

##### **Explanation/Reference:**

Reference:

<https://docs.microsoft.com/en-us/exchange/policy-and-compliance/information-rights-management?view=exchserver-2019>

<https://docs.microsoft.com/en-us/office365/servicedescriptions/exchange-online-archiving-service-description/compliance-and-security-features>

#### **QUESTION 33**

DRAG DROP

You are the Microsoft 365 administrator for a company. The company supports an aggressive rollout of features.

You need to release features as soon as they are released.

Which feature phase should you use for each development step? To answer, drag the appropriate feature phases to the correct development steps. Each feature phase may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

**Select and Place:**

## **Feature Phases**

Private

Public Preview

General Availability

### **Development step**

Complete compliance testing.

Complete QA testing for recently released features.

Prepare QA results and end-user documentation.

### **Feature phase**

Feature phase

Feature phase

Feature phase

**Correct Answer:**

## **Feature Phases**

### **Development step**

Complete compliance testing.

Complete QA testing for recently released features.

Prepare QA results and end-user documentation.

### **Feature phase**

Private

Public Preview

General Availability

## **Explanation**

**Explanation/Reference:**

### **QUESTION 34**

**DRAG DROP**

Match the cloud computing benefits to the appropriate descriptions

To answer, drag the appropriate 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:**

- Agility
- Disaster recovery
- Elasticity

### **Answer Area**

The ability to dynamically scale the resources available to a cloud app

The ability to use cloud-based backup services to restore resources in the event of an outage

The ability to quickly deploy and configure cloud-based resources as app requirements change

**Correct Answer:**


### Answer Area

Agility

The ability to dynamically scale the resources available to a cloud app

Disaster recovery

The ability to use cloud-based backup services to restore resources in the event of an outage

Elasticity

The ability to quickly deploy and configure cloud-based resources as app requirements change

### Explanation

#### Explanation/Reference:

#### QUESTION 35

DRAG DROP

Match the Azure governance feature to the correct description.

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

NOTE: Each correct match is worth one point.

#### Select and Place:

**Features**

Azure Blueprints	Azure Policy
Azure resource locks	Azure tags

**Answer Area**

- |  |  |
|--|--|
|  | Restrict which virtual machine types can be created in a subscription                                  |
|  | Identify Azure resources that are associated with specific cost centers                                |
|  | Deploy a complete Azure application environment including resources configuration and role assignments |

**Correct Answer:****Features**

Azure resource locks	
----------------------	--

**Answer Area**

- |                  |  |
|------------------|--|
| Azure Policy     | Restrict which virtual machine types can be created in a subscription                                  |
| Azure tags       | Identify Azure resources that are associated with specific cost centers                                |
| Azure Blueprints | Deploy a complete Azure application environment including resources configuration and role assignments |

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

DRAG DROP

Match the security components to the appropriate defense in depth layers.

To answer, drag the appropriate 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:**

**Components**

Multifactor authentication (MFA)

Software updates and patches

Surveillance camera

**Answer Area**

Compute

Identity and access

Physical security

**Correct Answer:**

## Components


## Answer Area

Software updates and patches

Compute

Multifactor authentication (MFA)

Identity and access

Surveillance camera

Physical security

## Explanation

### Explanation/Reference:

#### QUESTION 37

DRAG DROP

Match the cloud computing benefits to the correct descriptions.

To answer, drag the appropriate 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:

### **sBenefit**

Disaster recovery

Geo-distribution

High availability

Scalability

### **Answer Area**

Increase the compute capacity of apps in the cloud.

Provide a continuous user experience with no apparent downtime.

Ensure that users always have the best experience by deploying apps to all the regions where there are users.

**Correct Answer:**

### **sBenefit**

Disaster recovery

### **Answer Area**

Scalability

Increase the compute capacity of apps in the cloud.

High availability

Provide a continuous user experience with no apparent downtime.

Geo-distribution

Ensure that users always have the best experience by deploying apps to all the regions where there are users.

### **Explanation**

#### **Explanation/Reference:**