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**Practice Test 5**

Completed on 26-May-2020

**Attempt**

01

**Marks Obtained**

41 / 55

**Your score**

74.55%

**Time Taken**

N/A

**Result**

Failed

Domains wise Quiz Performance Report

No	1
Domain	Understand Azure Pricing and Support
Total Question	10
Correct	7
Incorrect	2
Unattempted	1
Marked for review	0

No	2
Domain	Understand Security, Privacy, Compliance, and Trust
Total Question	13
Correct	11
Incorrect	2
Unattempted	0
Marked for review	0
No	3
Domain	Understand Core Azure Services
Total Question	23
Correct	17
Incorrect	6
Unattempted	0
Marked for review	0
No	4
Domain	Understand Cloud Concepts
Total Question	9
Correct	6
Incorrect	3
Unattempted	0
Marked for review	0
Total	Total
All Domain	All Domain
Total Question	55
Correct	41
Incorrect	13
Unattempted	1
Marked for review	0

Review the Answers

Sorting by

All



Question 1

Correct

Domain :Understand Azure Pricing and Support

Is there a default spending limit when it comes to the spending limit for the Azure free account?

A. Yes  B. No**Explanation:**

Answer – A

There is a credit of 200 USD which is assigned to the Azure Free account and is limited to the first 30 days the account is active. This acts as a spending limit. The Microsoft documentation mentions the following

Do I have to pay something after 30 days?

At the end of your first 30 days, you can continue using your free products after you upgrade your account to a [pay-as-you-go pricing](#) and remove the spending limit. If you stay within the service quantities included for free, you won't have to pay anything. The \$200 free credit acts as a spending limit.

For more information on the common asked questions for the Azure Free account, please visit the below URL

<https://azure.microsoft.com/en-us/free/free-account-faq/>

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[View Queries](#)[open ▾](#)**Question 2****Correct****Domain :Understand Azure Pricing and Support**

A company has just setup an Azure subscription. The company is planning on creating several resource groups. By creating additional resource groups, would the company incur additional costs?

 A. Yes B. No 

Explanation:

Answer – B

Resource groups have no costs associate with them.

For more information on resource groups, please visit the below URL

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

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Question 3

Incorrect

Domain :Understand Azure Pricing and Support

A company has just setup an Azure virtual private connection between their on-premise network and an Azure virtual network. Would the company need to pay additional costs if they transfer several gigabits of data from their on-premise network to Azure?

- A. Yes 
- B. No 

Explanation:

Answer – B

Data transfers to the Azure data center are free.

The Microsoft documentation mentions the following

Pricing details

Inbound data transfers

(i.e. data going into Azure data centers): **Free**

For more information on bandwidth pricing, please visit the below URL

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

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Question 4

Correct

Domain :Understand Azure Pricing and Support

A company has just setup an Azure virtual private network connection between their on-premise network and an Azure virtual network. The company expects around 10 GB worth of data transfer per month from Azure to their on-premise network. Would the company need to pay additional costs for this data transfer?

- A. Yes 
- B. No

Explanation:

Answer – A

The company would need to pay additional costs for the data transfer.

A snippet from the Microsoft documentation mentions the following on data transfer prices

Outbound data transfers

(i.e. data going out of Azure data centers; zones refer to source region):

OUTBOUND DATA TRANSFERS	ZONE 1*
First 5 GB /Month ¹	Free
5 GB - 10 TB ² /Month	\$0.087 per GB
Next 40 TB (10 - 50 TB) /Month	\$0.083 per GB
Next 100 TB (50 - 150 TB) /Month	\$0.07 per GB

For more information on bandwidth pricing, please visit the below URL

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

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Question 5

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has a set of virtual machines defined in Azure. They want to find out which user shut down a particular virtual machine in the last 7 days. Which of the following can help with this requirement?

- A. Azure Advisor
- B. Azure Event Hubs

C. Azure Activity Logs D. Azure Service Health**Explanation:**

Answer – C

You see all operations on all resources via the use of Azure Activity Logs

An example is given below shows operations being logged against the Virtual Machine service.

Monitor - Activity log

Microsoft

Search (Ctrl+ /) Refresh Export to Event Hub Download as CSV Logs Pin current filters Reset filters

Overview Activity log Alerts Metrics Logs Service Health Workbooks (preview) Insights

Red arrow pointing to the "Activity log" menu item.

Action	Result	Time Ago	Details
Action taken as a result of Azure Policy	Succeeded	3 d ago	Thu Sep 19 ... Pay-As-You-Go
Create or Update Virtual Machine Extension	Succeeded	3 d ago	Thu Sep 19 ... Pay-As-You-Go
Action taken as a result of Azure Policy	Succeeded	3 d ago	Thu Sep 19 ... Pay-As-You-Go
Create or Update Virtual Machine	Succeeded	3 d ago	Thu Sep 19 ... Pay-As-You-Go
Action taken as a result of Azure Policy	Succeeded	3 d ago	Thu Sep 19 ... Pay-As-You-Go
Action taken as a result of Azure Policy	Succeeded	3 d ago	Thu Sep 19 ... Pay-As-You-Go
Action taken as a result of Azure Policy	Succeeded	3 d ago	Thu Sep 19 ... Pay-As-You-Go

Since this is clear from the implementation, all other options are incorrect

For more information on Activity Logs, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/activity-logs-overview>

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Question 6**Correct****Domain :Understand Core Azure Services**

A company wants to make use of an Azure service that can be used to store certificates. Which of the following could be used for storing certificates?

- A. Azure Security Center
- B. Azure Storage Account
- C. Azure Key Vault 
- D. Azure Identity Protection

Explanation:

Answer – C

You can store certificates in the Azure Key vault service.

The Microsoft documentation mentions the following

What is Azure Key Vault?

01/07/2019 • 4 minutes to read •  +4

Azure Key Vault helps solve the following problems:

- **Secrets Management** - Azure Key Vault can be used to Securely store and tightly control access to tokens, passwords, certificates, API keys, and other secrets
- **Key Management** - Azure Key Vault can also be used as a Key Management solution. Azure Key Vault makes it easy to create and control the encryption keys used to encrypt your data.
- **Certificate Management** - Azure Key Vault is also a service that lets you easily provision, manage, and deploy public and private Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with Azure and your internal connected resources.
- **Store secrets backed by Hardware Security Modules** - The secrets and keys can be protected either by software or FIPS 140-2 Level 2 validates HSMs

Option A is incorrect since this is used to increase the security posture of your resources defined in Azure

Option B is incorrect since this is used for object, file, table and queue storage

Option D is incorrect since this is used to protect Azure AD identities.

For more information on the Azure Key vault service, please visit the below URL

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

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Question 7

Correct

Domain :Understand Core Azure Services

A company wants to deploy a set of Azure Windows virtual machines. They want to ensure that the services on the virtual machines are still accessible even if a single data center goes down. They decide to deploy the set of virtual machines using scale sets across availability zones. Would this fulfil the requirement?

- A. Yes
- B. No

Explanation:

Answer – A

Azure virtual machine scale sets let you create and manage a group of identical, load balanced VMs.

The Microsoft documentation mentions the following

Provides high availability and application resiliency

- Scale sets are used to run multiple instances of your application. If one of these VM instances has a problem, customers continue to access your application through one of the other VM instances with minimal interruption.
- **For additional availability, you can use Availability Zones to automatically distribute VM instances in a scale set within a single datacenter or across multiple datacenters.**

Scenario	Manual group of VMs	Virtual machine scale set
Add additional VM instances	Manual process to create, configure, and ensure compliance	Automatically create from central configuration
Traffic balancing and distribution	Manual process to create and configure Azure load balancer or Application Gateway	Can automatically create and integrate with Azure load balancer or Application Gateway
High availability and redundancy	Manually create Availability Set or distribute and track VMs across Availability Zones	Automatic distribution of VM instances across Availability Zones or Availability Sets
Scaling of VMs	Manual monitoring and Azure Automation	Autoscale based on host metrics, in-guest metrics, Application Insights, or schedule

For more information on virtual machine scale sets, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview>[Ask our Experts](#)Rate this Question?  [View Queries](#)

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Question 8

Correct

Domain :Understand Core Azure Services

A company wants to deploy a set of Azure Windows virtual machines. They want to ensure that the services on the virtual machines are still accessible even if a single data center goes down.

They decide to deploy the set of virtual machines to two or more regions with the required traffic configurations in place

Would this fulfil the requirement?

- A. Yes 
- B. No

Explanation:

Answer - A

For high availability of application we can have VMs deployed in one or more regions. To know about how to work with this architecture do refer the following link.

<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/n-tier/multi-region-sql-server>[Ask our Experts](#)Rate this Question?  [View Queries](#)

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Question 9

Correct

Domain :Understand Core Azure Services

A company wants to deploy a set of Azure Windows virtual machines. They want to ensure that the services on the virtual machines are still accessible even if a single data center goes down. They decide to deploy the set of virtual machines to two or more availability zones. Would this fulfil the requirement?

- A. Yes
- B. No

Explanation:

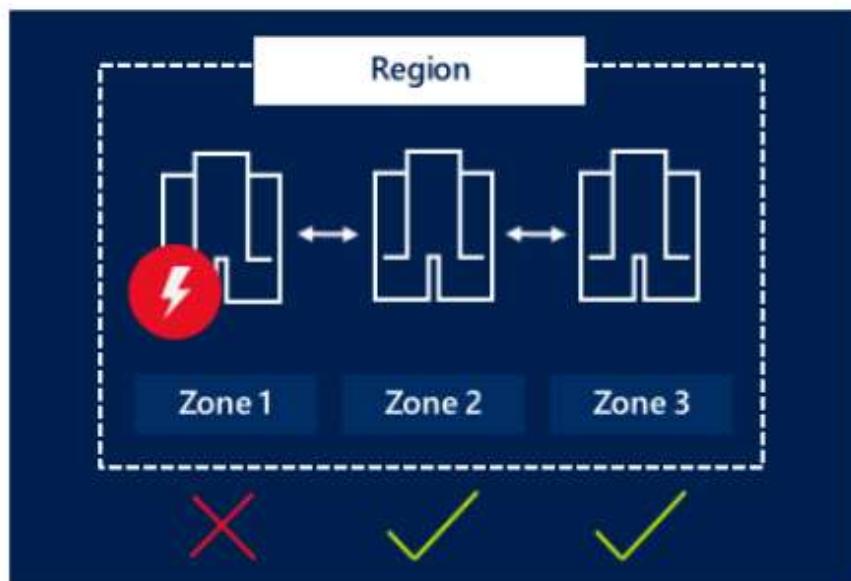
Answer – A

Yes, availability zones can be used in the case of data center wide failure.

The Microsoft documentation mentions the following

An Availability Zone in an Azure region is a combination of a **fault domain** and an **update domain**. For example, if you create three or more VMs across three zones in an Azure region, your VMs are effectively distributed across three fault domains and three update domains. The Azure platform recognizes this distribution across update domains to make sure that VMs in different zones are not updated at the same time.

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.



For more information on managing the availability of Azure windows virtual machines, please visit the below URL

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

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Question 10

Correct

Domain :Understand Cloud Concepts

A company wants to start using Microsoft Azure. They currently also have a private cloud setup. Would it be required for them to migrate their entire private cloud model to achieve a hybrid cloud model?

- A. Yes
- B. No 

Explanation:

Answer – B

The Hybrid Cloud model combines both the public cloud and private cloud model. So, the company does not need to migrate their private cloud model to achieve the hybrid cloud model.

The Microsoft documentation mentions the following

What is a hybrid cloud?

A hybrid cloud is a computing environment that combines a [public cloud](#) and a [private cloud](#) by allowing data and applications to be shared between them. When computing and processing demand fluctuates, hybrid cloud computing gives businesses the ability to seamlessly scale their on-premises infrastructure up to the public cloud to handle any overflow—without giving third-party datacenters access to the entirety of their data. Organizations gain the flexibility and computing power of the public cloud for basic and non-sensitive computing tasks, while keeping business-critical applications and data on-premises, safely behind a company firewall.

For more information on the hybrid cloud model, please visit the below URL

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

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Question 11**Correct****Domain :Understand Cloud Concepts**

A company wants to start using Microsoft Azure. Would using Azure help them scale the capacity of their on-premise setup to public cloud?

- A. Yes
- B. No

Explanation:

Answer – A

Companies can indeed use public cloud providers such as Microsoft Azure to scale their on-premise setup.

The Microsoft documentation mentions the following

What is a hybrid cloud?

A hybrid cloud is a computing environment that combines a [public cloud](#) and a [private cloud](#) by allowing data and applications to be shared between them. When computing and processing demand fluctuates, hybrid cloud computing gives businesses the ability to seamlessly scale their on-premises infrastructure up to the public cloud to handle any overflow—without giving third-party datacenters access to the entirety of their data. Organizations gain the flexibility and computing power of the public cloud for basic and non-sensitive computing tasks, while keeping business-critical applications and data on-premises, safely behind a company firewall.

For more information on the hybrid cloud model, please visit the below URL

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

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View Queries**Question 12****Incorrect****Domain :Understand Cloud Concepts**

Is it possible to manage external partners using the "Business-to-Customer (B2C)" feature of Azure AD?

A. Yes

B. No

Explanation:

Answer – B

Microsoft Azure has an Identity service known as Microsoft Azure Active Directory. Using the "Business-to-Business (B2B)" feature of Azure AD you can manage your guest users and external partners, while maintaining control over your own corporate data.

Business-to-Business (B2B) Manage your guest users and external partners, while maintaining control over your own corporate data. For more information, see [Azure Active Directory B2B documentation](#).

Business-to-Customer (B2C) Customize and control how users sign up, sign in, and manage their profiles when using your apps. For more information, see [Azure Active Directory B2C documentation](#).

For more information on Identity solutions, please visit the below URL

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis>

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Question 13**Incorrect**

Domain :Understand Cloud Concepts

You have to identify the right category for each of the following Azure Services

- Azure Kubernetes
- Azure Storage Accounts

Which of the following category does Azure Kubernetes come under?

- A. Software as a service
- B. Platform as a service X
- C. Infrastructure as a service ✓
- D. Hardware as a service

Explanation:

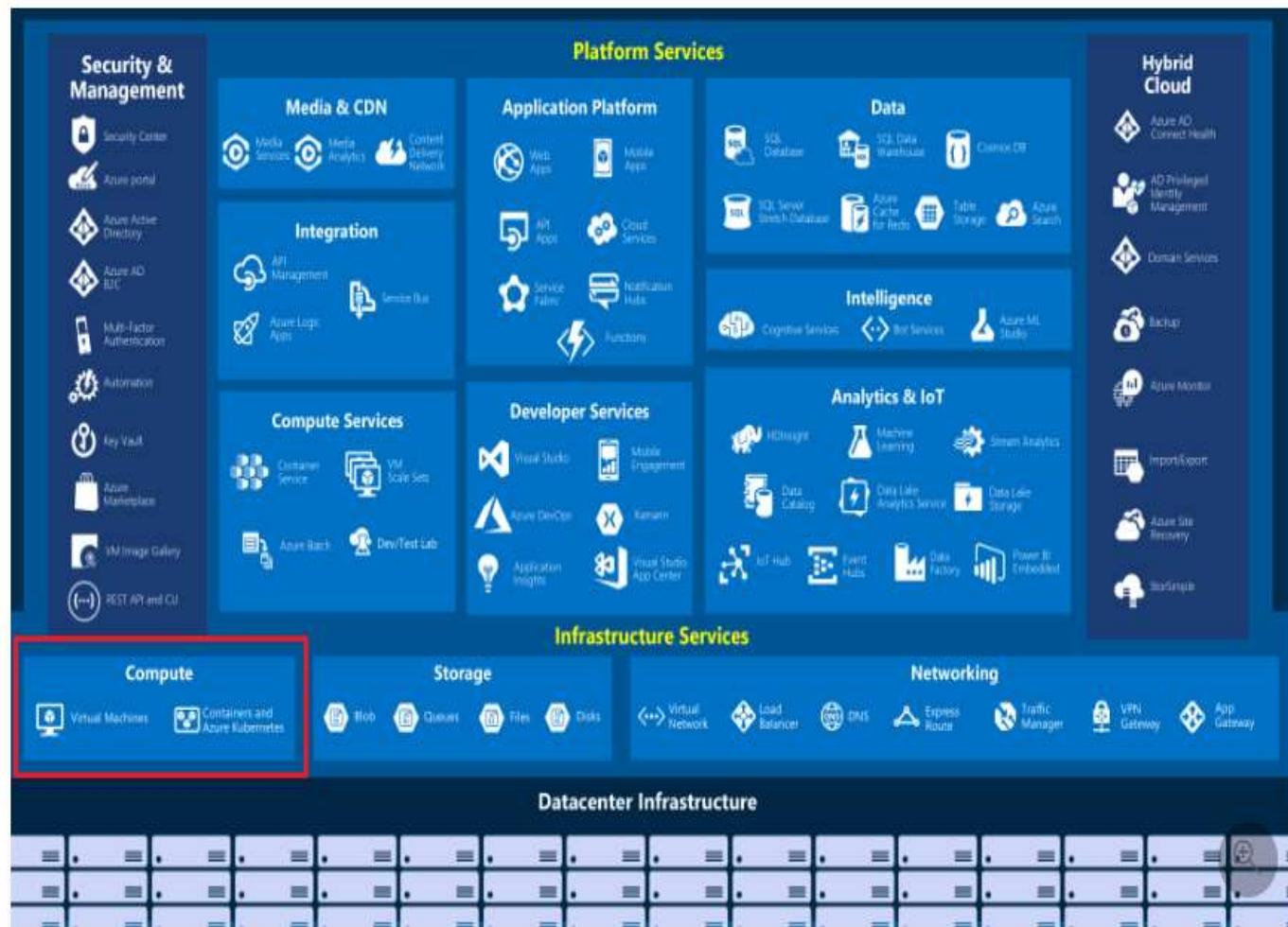
Answer – C

Azure Kubernetes comes as a "Infrastructure as a service".

Refer link : <https://docs.microsoft.com/en-us/learn/modules/welcome-to-azure/3-tour-of-azure-services>

Azure services

Here's a big-picture view of the available services and features in Azure.



Since this is clearly mentioned in the documentation, all other options are incorrect

For more information on Infrastructure as a service, please visit the below URL

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

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Question 14

Correct

Domain :Understand Cloud Concepts

You have to identify the right category for each of the following Azure Services

- Azure Kubernetes
- Azure Storage Accounts

Which of the following category does Azure Storage Accounts come under?

- A. Software as a service
- B. Platform as a service
- C. Infrastructure as a service 
- D. Hardware as a service

Explanation:

Answer – C

Azure Storage Accounts comes under the category of "Infrastructure as a service". Refer link :

<https://docs.microsoft.com/en-us/learn/modules/welcome-to-azure/3-tour-of-azure-services>

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

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Question 15

Correct

Domain :Understand Core Azure Services

A company wants to start deploying both Windows and Linux based Azure virtual machines. They also want to make use of availability zones for the underlying virtual machines. Could availability zones be used for both Windows or Linux Azure virtual machines?

- A. Yes 
- B. No

Explanation:

<https://www.whizlabs.com/learn/course/quiz-result/1645032>

Answer – A

If you look at the Microsoft documentation, they mention the support of Availability zones for both Windows and Linux based virtual machines

Services support by region

The combinations of Azure services and regions that support Availability Zones are:

	Americas			Europe			
	Central US	East US	East US 2	West US 2	France Central	North Europe	UK South
Compute							
Linux Virtual Machines	✓	✓	✓	✓	✓	✓	✓
Windows Virtual Machines	✓	✓	✓	✓	✓	✓	✓

For more information on availability zones, please visit the below URL

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

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Question 16

Incorrect

Domain :Understand Core Azure Services

A company wants to make use of availability zones in Azure. Can Availability zones be used to asynchronously replicate data across multiple regions?

- A. Yes ×
- B. No ✓

Explanation:

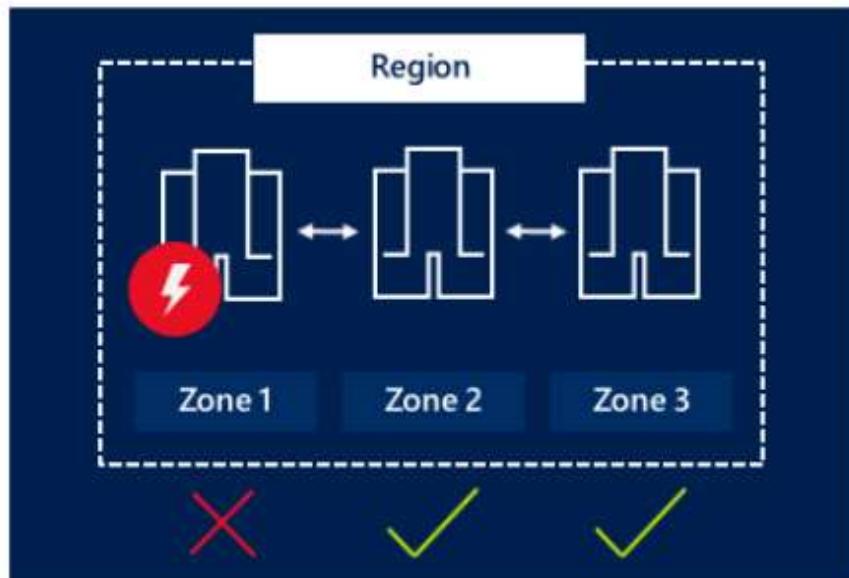
Answer – B

Availability Zones are only specific to a region.

The Microsoft documentation mentions the following

An Availability Zone in an Azure region is a combination of a **fault domain** and an **update domain**. For example, if you create three or more VMs across three zones in an Azure region, your VMs are effectively distributed across three fault domains and three update domains. The Azure platform recognizes this distribution across update domains to make sure that VMs in different zones are not updated at the same time.

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.



For more information on availability zones, please visit the below URL

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

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Question 17

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company is planning on making use of Azure Service Health. Would the company administrator be able to view the health of the underlying Azure resources with the help of this service?

- A. Yes 
- B. No

Explanation:

Answer – A

If you go to Service Health and Resource Health, you can see the health of your resources as shown below

Service Health - Resource health

The screenshot shows the Azure Service Health - Resource health interface. On the left, there's a sidebar with navigation links: ACTIVE EVENTS (Service issues, Planned maintenance, Health advisories), HISTORY (Health history), RESOURCE HEALTH (Resource health, which is selected and highlighted in blue), and ALERTS (Health alerts). The main content area has filters for Subscription (Pay-As-You-Go) and Resource type (Virtual machine). A table lists resources: whizlabvm (Virtual machine, centralus location). A red arrow points to the 'whizlabvm' row.

RESOURCE NAME	TYPE	LOCATION
whizlabvm	Virtual machine	centralus

And if you go to Service Issues, you can see any issues with the underlying Azure Infrastructure

Service Health - Service issues

Search (Ctrl+ /) « Select filter ...

ACTIVE EVENTS

- Service issues
- Planned maintenance
- Health advisories

HISTORY

- Health history

RESOURCE HEALTH

- Resource health

ALERTS

- Health alerts

Subscription: Pay-As-You-Go Region: 5 selected Service: 157 selected

Save filter Delete filter Pin filtered world map to dashboard Create service health alert



No service issues found

See all past issues in the [health history](#).

[Launch guided tour](#)

For more information on Azure Service Health, please visit the below URL

<https://azure.microsoft.com/en-in/features/service-health/>

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Question 18

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to make use of the Azure Service Health . Using this service, could the company administrator create a rule that sends alerts when an Azure service fails?

- A. Yes 

B. No

Explanation:

Answer – A

In Service Health, one can go to the "Health alerts" section and create a service health alert.

The screenshot shows the Azure Service Health - Health alerts interface. On the left, there's a sidebar with links: ACTIVE EVENTS (Service issues, Planned maintenance, Health advisories), HISTORY (Health history), RESOURCE HEALTH (Resource health), and ALERTS (Health alerts, highlighted with a red circle labeled '1'). The main content area has a search bar and a 'Create service health alert' button (highlighted with a red circle labeled '2'). Below it, there are filters for Subscription (Pay-As-You-Go), Region (39 selected), and Service (157 selected). The table below shows columns for ALERT N..., HEALTH ..., ACTION ..., RESOUR..., SUBSCRIPTION, and LAST FIRED. A message says 'No results'.

For more information on Azure Service Health, please visit the below URL

<https://azure.microsoft.com/en-in/features/service-health/>

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Question 19**Incorrect****Domain :Understand Security, Privacy, Compliance, and Trust**

A company wants to make use of the Azure Service Health. Using this service, would the company administrator be able to prevent a service failure from affecting a select Azure virtual machine?

- A. Yes
- B. No

Explanation:

Answer – B

The Azure Service Health service is used to monitor the health of the underlying infrastructure that is used to host Azure based services. You cannot use this service to prevent the service failure of an Azure virtual machine.

If you want to increase the availability of your virtual machines, consider deploying the virtual machines across an availability set or an availability zone.

For more information on the Azure Service Health, please visit the following URL

<https://azure.microsoft.com/en-us/features/service-health/>

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You have to identify the correct concept behind each of the following cloud service descriptions. Which of the following is the right concept behind the following description?

"A cloud service that can be accessed quickly by users over the Internet"

- A. Fault Tolerance

- B. Disaster Recovery
- C. Dynamic Scalability
- D. Low Latency

Explanation:

Answer – D

This is an example of low latency.

Following is a snippet from a Microsoft blog article

Latency is the new currency of the Cloud: Announcing 31 new Azure edge sites

Posted on August 27, 2019



Yousef Khalidi, Corporate Vice President, Azure Networking

Providing users fast and reliable access to their cloud services, apps, and content is pivotal to a business' success.

The latency when accessing cloud-based services can be the inhibitor to cloud adoption or migration. In most cases, this is caused by commercial internet connections that aren't tailored to today's global cloud needs. Through deployment and operation of globally and strategically placed edge sites, Microsoft dramatically accelerates the performance and experience when you are accessing apps, content, or services such as Azure and Office 365 on the Microsoft global network.

Option A is incorrect since this is used to ensure a service is running even in the event of a service failure

Option B is incorrect since this is used to ensure a service is running even in the event of a catastrophic loss

Option C is incorrect since this is used to ensure a service is scalable even when the load on the service increases

For more information on the article, please visit the below URL

<https://azure.microsoft.com/en-us/blog/latency-is-the-new-currency-of-the-cloud-announcing-31-new-azure-edge-sites/>

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Question 21

Correct

Domain :Understand Cloud Concepts

You have the match the Azure Cloud Service benefit to the right description. Which of the following is the right Azure Cloud Service benefit that matches the following description?

"A cloud service that is able to perform as per the Service Level Agreement even after the load on the service increases"

- A. Fault Tolerance
- B. Disaster Recovery
- C. Dynamic Scalability 
- D. Low Latency

Explanation:

Answer - C

This aligns itself with the concept of scalability

Azure has a service that helps in Autoscaling

Azure Autoscale

Dynamically scale apps to meet changing demand

Key scenarios:

- ✓ Maximize app responsiveness
- ✓ Anticipate load with different schedules
- ✓ Dev-test at day, shut down at night
- ✓ Scale by any metric
- ✓ Save money by not wasting servers

Option A is incorrect since this is used to ensure a service is running even in the event of a service failure

Option B is incorrect since this is used to ensure a service is running even in the event of a catastrophic loss

Option D is incorrect since this is used to ensure a service is quickly accessible to users over the Internet

For more information on Azure Autoscale, please visit the below URL

<https://azure.microsoft.com/en-us/features/autoscale/>

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Question 22

Incorrect

Domain :Understand Cloud Concepts

You have the match the Azure Cloud Service benefit to the right description. Which of the following is the right Azure Cloud Service benefit that matches the following description?

"A cloud service that can be restored in the event of a catastrophic loss"

- A. Fault Tolerance 
- B. Disaster Recovery 

C. Dynamic Scalability D. Low Latency**Explanation:**

Answer - B

This term refers to disaster recovery.

Below is a snippet from the Microsoft documentation on the terminology

Failure and disaster recovery for Azure applications

04/10/2019 • 13 minutes to read •

Disaster recovery is the process of restoring application functionality in the wake of a catastrophic loss.

Your tolerance for reduced functionality during a disaster is a business decision that varies from one application to the next. It **might** be acceptable for some applications to be completely unavailable or to be partially available with reduced functionality or delayed processing for a period of time. For other applications, any reduced functionality is unacceptable.

Option A is incorrect since this is used to ensure a service is running even in the event of a service failure

Option C is incorrect since this is used to ensure a service is scalable even when the load on the service increases

Option D is incorrect since this is used to ensure a service is quickly accessible to users over the Internet

For more information on failure and disaster recovery, please visit the below URL

<https://docs.microsoft.com/en-us/azure/architecture/reliability/disaster-recovery>

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 23****Correct****Domain :Understand Cloud Concepts**

You have to match the Azure Cloud Service benefit to the right description. Which of the following is the right Azure Cloud Service benefit that matches the following description?

"A cloud service that remains available even if a fault occurs in the service"

- A. High Availability 
- B. Disaster Recovery
- C. Dynamic Scalability
- D. Low Latency

Explanation:

Answer - A

This corresponds to "High Availability" or "Resiliency"

Below is a snippet from the Microsoft documentation on the terminology

<https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-high-availability-architecture-scenarios>

High-availability architecture and scenarios for SAP NetWeaver

01/21/2019 • 11 minutes to read •  +1

Terminology definitions

High availability: Refers to a set of technologies that minimize IT disruptions by providing business continuity of IT services through redundant, fault-tolerant, or failover-protected components inside the *same* data center. In our case, the data center resides within one Azure region.

Option B is incorrect since this is used to ensure a service is running even in the event of a catastrophic loss

Option C is incorrect since this is used to ensure a service is scalable even when the load on the service increases

Option D is incorrect since this is used to ensure a service is quickly accessible to users over the Internet

For more information on designing reliable applications, please visit the below URL

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

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Question 24

Correct

Domain :Understand Core Azure Services

A company needs to deploy a server named "whizlabserver" to the Azure cloud. The company's policy states that the server needs to be deployed on a separate network segment. Which of the following could be used to deploy the server to ensure that it's meet the company policy?

- A. A separate resource group
- B. A separate virtual network 
- C. A separate network interface for the server
- D. A separate account for the server

Explanation:

Answer – B

If the server needs to be isolated, then consider deploying a new virtual network for the server.

The Microsoft documentation mentions the following

What is Azure Virtual Network?

06/19/2019 • 5 minutes to read •  +14

Azure Virtual Network (VNet) is the fundamental building block for your private network in Azure. VNet enables many types of Azure resources, such as Azure Virtual Machines (VM), to securely communicate with each other, the internet, and on-premises networks. VNet is similar to a traditional network that you'd operate in your own data center, but brings with it additional benefits of Azure's infrastructure such as scale, availability, and isolation.

All other options are invalid since they would not provide a means of isolation for the server.

For more information on virtual networks, please visit the below URL

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

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 25****Correct****Domain :Understand Core Azure Services**

A company is planning on setting up a solution on the Azure platform. The solution has the following main key requirement

- Provide the ability to route traffic to backend virtual machines based on the attributes of an HTTP request

Which of the following would be best suited for this requirement?

- A. Azure Data Lake Storage
- B. Azure Application Gateway 
- C. Azure Storage Accounts
- D. Azure SQL Data Warehouse

Explanation:

Answer – B

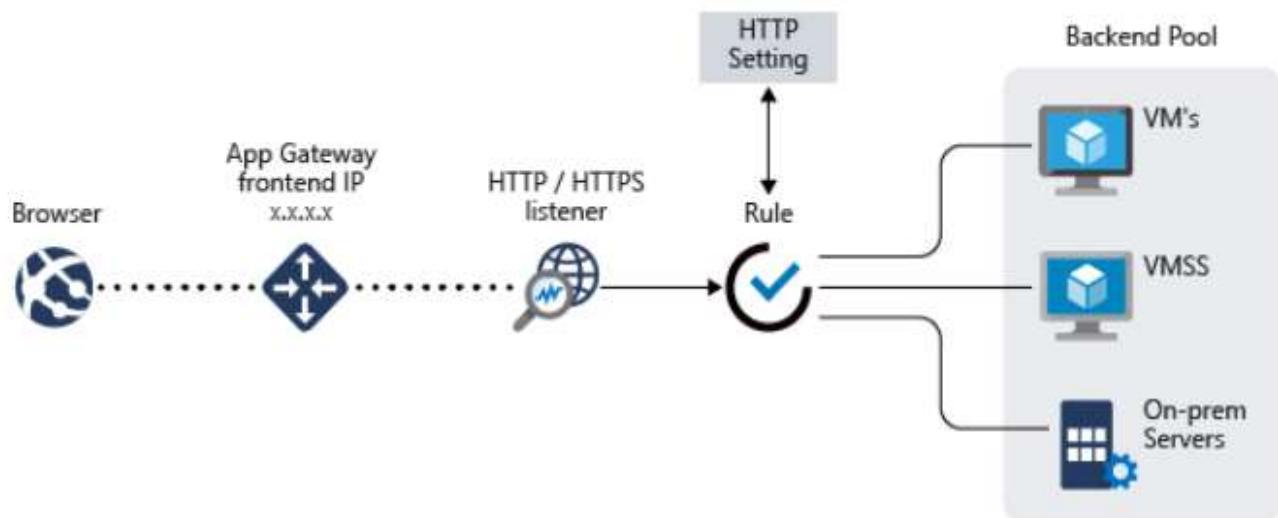
This can be achieved with the Azure Application Gateway.

The Microsoft documentation mentions the following

What is Azure Application Gateway?

05/31/2019 • 8 minutes to read •

Azure Application Gateway is a web traffic load balancer that enables you to manage traffic to your web applications. Traditional load balancers operate at the transport layer (OSI layer 4 - TCP and UDP) and route traffic based on source IP address and port, to a destination IP address and port.



With Application Gateway, you can make routing decisions based on additional attributes of an HTTP request, such as URI path or host headers. For example, you can route traffic based on the incoming URL. So if `/images` is in the incoming URL, you can route traffic to a specific set of servers (known as a pool) configured for images. If `/video` is in the URL, that traffic is routed to another pool that's optimized for videos.

Since this is clearly mentioned in the documentation, all other options are incorrect

For more information on the Azure Application gateway service, please visit the below URL

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

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 26****Incorrect****Domain :Understand Core Azure Services**

A company is planning on setting up a solution on the Azure platform. The solution has the following main key requirement

- Provide a service that could help store objects that could be accessed from anywhere around the world via HTTP

Which of the following would be best suited for this requirement?

- A. Azure Data Lake Storage 
- B. Azure Application Gateway
- C. Azure Storage Accounts 
- D. Azure SQL Data Warehouse

Explanation:

Answer – C

This can be achieved with the Azure Storage Accounts service.

The Microsoft documentation mentions the following

Azure storage account overview

06/07/2019 • 14 minutes to read •  +3

An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, tables, and disks. The storage account provides a unique namespace for your Azure Storage data that is accessible from anywhere in the world over HTTP or HTTPS. Data in your Azure storage account is durable and highly available, secure, and massively scalable.

Since this is clearly mentioned in the documentation, all other options are incorrect

For more information on the Azure Storage Accounts service, please visit the below URL

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

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Question 27

Incorrect

Domain :Understand Core Azure Services

A company is planning on setting up a solution on the Azure platform. The solution has the following main key requirement

- Provide the ability to store petabytes of data
- Be able to run complex queries across the data

Which of the following would be best suited for this requirement?

- A. Azure Firewall
- B. Azure Application Gateway
- C. Azure Storage Accounts 
- D. Azure Synapse 

Explanation:

Answer – D

This can now be achieved with the help of the Azure Synapse service.

The Microsoft documentation mentions the following

What is Azure Synapse Analytics (formerly SQL DW)?

11/04/2019 • 2 minutes to read •  +12

Azure Synapse is a limitless analytics service that brings together enterprise data warehousing and Big Data analytics. It gives you the freedom to query data on your terms, using either serverless on-demand or provisioned resources—at scale. Azure Synapse brings these two worlds together with a unified experience to ingest, prepare, manage, and serve data for immediate BI and machine learning needs

Azure Synapse has four components:

- SQL Analytics: Complete T-SQL based analytics – Generally Available
 - SQL pool (pay per DWU provisioned)
 - SQL on-demand (pay per TB processed) – (Preview)
- Spark: Deeply integrated Apache Spark (Preview)
- Data Integration: Hybrid data integration (Preview)
- Studio: Unified user experience. (Preview)

For more information on the Azure Synapse service, please visit the following URL

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

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 28****Correct****Domain :Understand Core Azure Services**

A company is planning on setting up a solution on the Azure platform. The solution has the following main key requirement

- Provide capabilities to perform Big Data analytics over data stored on Azure Blob storage

Which of the following would be best suited for this requirement?

- A. Azure Data Lake Storage 
- B. Azure Application Gateway
- C. Azure Storage Accounts
- D. Azure SQL Data Warehouse

Explanation:

Answer – A

This can be achieved with the Azure Data Lake Storage service.

The Microsoft documentation mentions the following

Introduction to Azure Data Lake Storage Gen2

12/06/2018 • 4 minutes to read •  +4

Azure Data Lake Storage Gen2 is a set of capabilities dedicated to big data analytics, built on [Azure Blob storage](#). Data Lake Storage Gen2 is the result of converging the capabilities of our two existing storage services, Azure Blob storage and Azure Data Lake Storage Gen1. Features from [Azure Data Lake Storage Gen1](#), such as file system semantics, directory, and file level security and scale are combined with low-cost, tiered storage, high availability/disaster recovery capabilities from [Azure Blob storage](#).

Since this is clearly mentioned in the documentation, all other options are incorrect

For more information on the Azure Data Lake Storage service, please visit the below URL

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-introduction>

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Question 29

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company is planning on using Azure Information Protection. Which of the following is Azure Information Protection used for?

- A. Azure Storage Accounts
- B. Documents and Email Messages 
- C. Azure Active Directory Identities

D. Network Traffic

Explanation:

Answer – B

Azure Information Protection is used to protect documents and email Messages.

The Microsoft documentation mentions the following

What is Azure Information Protection?

06/21/2019 • 8 minutes to read • 

Applies to: [Azure Information Protection](#)

Azure Information Protection (sometimes referred to as AIP) 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.

Since this is clearly mentioned in the documentation, all other options are incorrect

For more information on the Azure Information Protection, please visit the below URL

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

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Question 30

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to start using Azure. They want to have a declarative way to orchestrate the deployment of various resources types such as role assignments and policy assignments.

They decide to use Azure Information Protection

Would this fulfil the requirement?

 A. Yes B. No **Explanation:**

Answer – B

This feature is used to secure email, documents and other sensitive data.

The Microsoft documentation mentions the following

The screenshot shows the Microsoft Azure Information Protection landing page. The main title is "Azure Information Protection" in large, bold, white font. Below it is the tagline "Better protect your sensitive information—anytime, anywhere". A descriptive paragraph follows: "Control and help secure email, documents, and sensitive data that you share outside your company. From easy classification to embedded labels and permissions, enhance data protection at all times with Azure Information Protection—no matter where it's stored or who it's shared with." The background is dark with a blurred image of a person's face.

For more information on the Azure Information Protection, please visit the below URL

<https://azure.microsoft.com/en-us/services/information-protection/>

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Question 31**Incorrect****Domain :Understand Security, Privacy, Compliance, and Trust**

A company wants to start using Azure. They want to have a declarative way to orchestrate the deployment of various resources types such as role assignments and policy assignments.

They decide to use Azure Blueprints

Would this fulfil the requirement?

- A. Yes 
- B. No 

Explanation:

Answer – A

This would fulfil the requirement

The Microsoft documentation mentions the following

Overview of the Azure Blueprints service

08/26/2019 • 7 minutes to read •

Just as a blueprint allows an engineer or an architect to sketch a project's design parameters, Azure Blueprints enables cloud architects and central information technology groups to define a repeatable set of Azure resources that implements and adheres to an organization's standards, patterns, and requirements. Azure Blueprints makes it possible for development teams to rapidly build and stand up new environments with trust they're building within organizational compliance with a set of built-in components -- such as networking -- to speed up development and delivery.

Blueprints are a declarative way to orchestrate the deployment of various resource templates and other artifacts such as:

- Role Assignments
- Policy Assignments
- Azure Resource Manager templates
- Resource Groups

For more information on the Azure Blueprints, please visit the below URL

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

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Question 32

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to start using Azure. They want to have a declarative way to orchestrate the deployment of various resources types such as role assignments and policy assignments. They decide to use Azure AD Privileged Identity Management. Would this fulfil the requirement?

- A. Yes
- B. No

Explanation:

Answer – B

This is used to manage, control and monitor access to critical resources in Azure.

The Microsoft documentation mentions the following

What is Azure AD Privileged Identity Management?

04/09/2019 • 4 minutes to read • 

Azure Active Directory (Azure AD) Privileged Identity Management (PIM) is a service that enables you to manage, control, and monitor access to important resources in your organization. This includes access to resources in Azure AD, Azure resources, and other Microsoft Online Services like Office 365 or Microsoft Intune.

For more information on the Azure privileged identity management, please visit the below URL

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

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Question 33**Correct****Domain :Understand Core Azure Services**

You just have started the deployment of an Azure Virtual machine to Azure. Where would you get a notification in the Azure portal on the completion of the deployment?



- A. Using Link 1
- B. Using Link 2
- C. Using Link 3
- D. Using Link 4

Explanation:

Answer – C

You will receive a notification in the Notification section.

The screenshot shows the Azure Portal's Notifications section. It displays two recent successful events:

- Successfully stopped virtual machine**: Successfully stopped the virtual machine 'whizlabvbm'. (3 hours ago)
- Deployment succeeded**: Deployment 'CreateVm-MicrosoftWindowsServer:WindowsServer-201-20190924073728' to resource group 'whizlabs-rg' was successful. (4 hours ago)

At the bottom, there are buttons for "Go to resource" and "Pin to dashboard".

Since this is clear from the implementation, all other options are incorrect

For more information on getting started with the Azure Portal, please visit the below URL

<https://azure.microsoft.com/en-us/resources/videos/get-started-with-azure-portal/>

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Question 34

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has just deployed a set of Azure virtual machines. They want their IT administrative team to get alerts whenever the CPU of the virtual machines goes beyond a certain threshold. Which of the following service could be used for this requirement?

- A. Azure Advisor
- B. Azure Security Center

- C. Azure Monitor ✓
- D. Azure Active Directory

Explanation:

Answer – C

You can create alerts in Azure Monitor based on the virtual machine metrics

The Microsoft documentation mentions the following

What are alerts in Microsoft Azure?

Alerts proactively notify you when important conditions are found in your monitoring data. They allow you to identify and address issues before the users of your system notice them.

This article discusses the unified alert experience in Azure Monitor, which includes alerts that were previously managed by Log Analytics and Application Insights. The [previous alert experience](#) and alert types are called *classic alerts*. You can view this older experience and older alert type by selecting **View classic alerts** at the top of the alert page.

For more information on alerts in Azure Monitor, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-overview>

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Question 35

Correct

Domain :Understand Core Azure Services

A company is planning on using the Azure Database service. Could they use the Azure Database Migration service to migrate their current on-premise Microsoft SQL Server database to the Azure SQL database instance?

- A. Yes
- B. No

Explanation:

Answer – A

Yes, you can accomplish this with the Database Migration Service.

The Microsoft documentation mentions the following

What is Azure Database Migration Service?

05/31/2019 • 2 minutes to read •  +3

Azure Database Migration Service is a fully managed service designed to enable seamless migrations from multiple database sources to Azure data platforms with minimal downtime (online migrations).

Migrate databases to Azure with familiar tools

Azure Database Migration Service integrates some of the functionality of our existing tools and services. It provides customers with a comprehensive, highly available solution. The service uses the [Data Migration Assistant](#) to generate assessment reports that provide recommendations to guide you through the changes required prior to performing a migration. It's up to you to perform any remediation required. When you're ready to begin the migration process, Azure Database Migration Service performs all of the required steps. You can fire and forget your migration projects with peace of mind, knowing that the process takes advantage of best practices as determined by Microsoft.

For more information on the Database Migration Service, please visit the below URL

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

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Question 36

Correct

Domain :Understand Azure Pricing and Support

Would the Azure Hybrid Benefit for Windows Server allow a customer to use his existing on-premises Windows Server licenses?

- A. Yes 
- B. No

Explanation:

Answer – A

They can make use of the Azure Hybrid Benefit to get eligible discounts

The Microsoft documentation mentions the following

The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** "Azure Hybrid Benefit for Windows" - docs.microsoft.com/en-us/azure/virtual-machines/windows/hybrid-use-benefit-licensing
- Address Bar:** "docs.microsoft.com/en-us/azure/virtual-machines/windows/hybrid-use-benefit-licensing"
- Toolbar:** Apps, Getting Started, Inbox (274) - shiva..., New Tab, http://www.iciciban..., Settings, PSI Online - One st..., AWS Certification -..., HDP ADL connecto..., CDH ADL connecto..., Curriculum Player..., YouTube, etc.
- Header:** Microsoft Azure. Navigation links: Overview, Solutions, Products, Documentation (underlined), Pricing, Training, Marketplace, Partners, Support, Blog, More, Free account.
- Breadcrumbs:** Azure / Virtual Machines / Windows
- Content Area:**
 - Callout: "Learn Virtual Machines at your own pace" with "See training modules >"
 - Section Header:** Azure Hybrid Benefit for Windows Server
 - Details:** 04/22/2018 • 5 minutes to read • 6 comments
 - Text:** For customers with Software Assurance, Azure Hybrid Benefit for Windows Server allows you to use your on-premises Windows Server licenses and run Windows virtual machines on Azure at a reduced cost. You can use Azure Hybrid Benefit for Windows Server to deploy new virtual machines with Windows OS. This article goes over the steps on how to deploy new VMs with Azure Hybrid Benefit for Windows Server and how you can update existing running VMs. For more information about Azure Hybrid Benefit for Windows Server licensing and cost savings, see the [Azure Hybrid Benefit for Windows Server licensing page](#).
 - Important Callout:** Each 2-processor license or each set of 16-core licenses are entitled to two instances of up to 8 cores, or one instance of up to 16 cores. The Azure Hybrid Benefit for Standard Edition licenses can only be used once either on-premises or in Azure. Datacenter Edition benefits allow for simultaneous usage both on-premises and in Azure.
 - Important Callout:** Using Azure Hybrid Benefit for Windows Server with any VMs running Windows Server OS are now supported in all regions, including VMs with additional software such as SQL Server or third-party marketplace software.
- Right Sidebar:**
 - Is this page helpful? (Yes/No)
 - In this article:
 - Ways to use Azure Hybrid Benefit for Windows Server
 - Create a VM with Azure Hybrid Benefit for Windows Server
 - Convert an existing VM using Azure Hybrid Benefit for Windows Server
 - List all VMs with Azure Hybrid Benefit for Windows Server in a subscription
 - Deploy a Virtual Machine Scale Set with Azure Hybrid Benefit for Windows Server
 - Next steps
- Taskbar:** Shows various pinned icons like File Explorer, Microsoft Edge, Task View, etc.
- System Tray:** Shows the date (2/21/2020), time (7:54 PM), battery level, signal strength, and other system icons.

For more information on the Hybrid Benefit model, please visit the below URL

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[View Queries](#)[open ▾](#)**Question 37****Correct**

Domain :Understand Core Azure Services

A company is planning on using the Azure Cosmos DB service. Does the Cosmos DB service provide the ability to access data using different types of APIs such as that of Mongo DB and Cassandra?

- A. Yes
- B. No

Explanation:

Answer – A

Cosmos DB is a multi-model database.

The Microsoft documentation mentions the following

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. You can elastically scale throughput and storage, and take advantage of fast, single-digit-millisecond data access using your favorite API including SQL, MongoDB, Cassandra, Tables, or Gremlin. Cosmos DB provides comprehensive [service level agreements](#) (SLAs) for throughput, latency, availability, and consistency guarantees, something no other database service offers.

For more information on Azure Cosmos DB, please visit the below URL

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

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Question 38**Correct****Domain :Understand Core Azure Services**

A company is planning on using the Azure Cosmos DB service. Would the company need to manage indexes on the Azure Cosmos DB server?

- A. Yes
- B. No 

Explanation:

Answer – B

Cosmos DB is a fully managed service where no schema and index management is required

No schema or index management

Keeping database schema and indexes in-sync with an application's schema is especially painful for globally distributed apps. With Cosmos DB, you do not need to deal with schema or index management. The database engine is fully schema-agnostic. Since no schema and index management is required, you also don't have to worry about application downtime while migrating schemas. Cosmos DB automatically indexes all data and serves queries fast.

For more information on Azure Cosmos DB, please visit the below URL

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

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Question 39**Correct****Domain :Understand Core Azure Services**

A company is planning on using the Azure Cosmos DB service. Do you need to define a predefined schema for the tables on Cosmos DB?

- A. Yes
- B. No

Explanation:

Answer – B

Cosmos DB is based on a schema less design.

The Microsoft documentation mentions the following

No schema or index management

Keeping database schema and indexes in-sync with an application's schema is especially painful for globally distributed apps. With Cosmos DB, you do not need to deal with schema or index management. The database engine is fully schema-agnostic. Since no schema and index management is required, you also don't have to worry about application downtime while migrating schemas. Cosmos DB automatically indexes all data and serves queries fast.

For more information on Azure Cosmos DB, please visit the below URL

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

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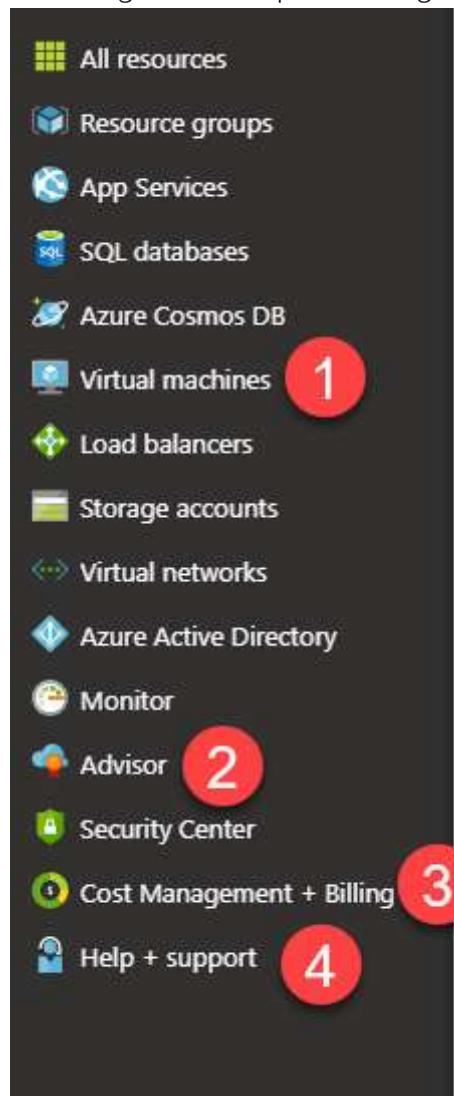
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Question 40**Correct**

Domain :Understand Azure Pricing and Support

A company has deployed a number of virtual machines to their Azure subscription. They want to know if there is any way to have a reduction in costs for running the virtual machines in Azure. Which of the following would help in this regard?



- A. Virtual Machines
- B. Advisor ✓
- C. Cost Management + Billing
- D. Help + support

Explanation:

Answer – B

If you look at Azure Advisor, it can actually give you a purchase recommendation on how you can reduce costs when it comes to Virtual machines. Below is an example

The screenshot shows the Azure Advisor - Cost interface. On the left, there's a sidebar with navigation links: Overview, Recommendations, High Availability, Security, Performance, **Cost**, All recommendations, Monitoring, Alerts (Preview), Settings, and Configuration. The main area displays a summary: Total recommendations (1), Recommendations by impact (1 High impact, 0 Medium impact, 0 Low impact), Impacted resources (1), Potential yearly savings (\$129 USD), and a callout for more cost management and optimization capabilities via Azure Cost Management. Below this is a detailed table of the recommendation:

IMPACT	DESCRIPTION	POTENTIAL YEARLY SAVINGS	IMPACTED RESOURCES	UPDATED
H	Buy virtual machine reserved instances to save money over pay-as-you-go costs	128.62 USD	1 Virtual machine	9/24/2020 10:05:30 AM

Since this is clear from the implementation, all other options are incorrect

For more information on Azure Advisor Cost Recommendations, please visit the below URL

<https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations>

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Question 41

Unattempted

Domain :Understand Azure Pricing and Support

A company has deployed an application which uses the Azure Web App service and the SQL database service. Currently the Azure Web App service has an SLA of 99.95% and that of the SQL database is 99.99%. Which of the following are used as availability metrics you would get from customers to understand the acceptability SLA for an application? Choose 2 answers from the options given below

- A. Mean time to recover (MTTR) ✓
- B. Mean time between failures (MTBF) ✓
- C. Mean time to success (MTTS)
- D. Mean time to failure (MTTF)

Explanation:

Answer – A and B

The 2 metrics are Mean time to recover (MTTR) and Mean time between failures (MTBF)

The Microsoft documentation mentions the following

Establish availability and recovery metrics

Create baseline numbers for two sets of metrics as part of the requirements process. The first set helps you determine where to add redundancy to cloud services and which SLAs to provide to customers. The second set helps you plan your disaster recovery.

Availability metrics

Use these measures to plan for redundancy and determine customer SLAs.

- **Mean time to recover (MTTR)** is the average time it takes to restore a component after a failure.
- **Mean time between failures (MTBF)** is the how long a component can reasonably expect to last between outages.

Since this clearly mentioned in the documentation all other options are incorrect

For more information on Architecture reliability requirements, please visit the below URL

<https://docs.microsoft.com/en-us/azure/architecture/reliability/requirements>

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Question 42

Incorrect

Domain :Understand Azure Pricing and Support

A company has deployed an application which uses the Azure Web App service and the SQL database service. Currently the Azure Web App service has an SLA of 99.95% and that of the SQL database is 99.99%. Which of the following would be the SLA of the application?

- A. 99.99%
- B. 99.95%
- C. $99.95\% \times 99.99\% = 99.94\%$
- D. $(99.94\% + 99.99\%)/2 = 99.97\%$

Explanation:

Answer – C

Since there are 2 services as part of the application, we need to get the composite SLA.

The Microsoft documentation mentions the following

Composite SLAs

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:

- App Service web apps = 99.95%
- 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.

For more information on Architecture reliability requirements, please visit the below URL

<https://docs.microsoft.com/en-us/azure/architecture/reliability/requirements>

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Question 43

Incorrect

Domain :Understand Core Azure Services

A company currently has deployed 2 virtual machines to Azure. The virtual machines would be hosting a web application. Users would be using the web application from the Internet. Would adding a VPN gateway to the solution increase the availability of the application?

- A. Yes
- B. No

Explanation:

Answer – B

The VPN gateway is used to create Virtual Private connections between the on-premise data center and an Azure network.

The Microsoft documentation mentions the following

What is VPN Gateway?

05/22/2019 • 13 minutes to read •  +3

A VPN gateway is a specific type of virtual network gateway that is used to send encrypted traffic between an Azure virtual network and an on-premises location over the public Internet. You can also use a VPN gateway to send encrypted traffic between Azure virtual networks over the Microsoft network. Each virtual network can have only one VPN gateway. However, you can create multiple connections to the same VPN gateway. When you create multiple connections to the same VPN gateway, all VPN tunnels share the available gateway bandwidth.

For more information on the VPN gateway service, please visit the below URL

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

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Question 44

Correct

Domain :Understand Core Azure Services

A company currently has deployed 2 virtual machines to Azure. The virtual machines would be hosting a web application. Users would be using the web application from the Internet. Would the use of an Azure Load balancer in the solution help increase the availability of the solution?

A. Yes B. No**Explanation:**

Answer – A

Yes, you can achieve higher availability for your applications by adding a Load balancer to the architecture.

The Microsoft documentation mentions the following

What is Azure Load Balancer?

01/11/2019 • 16 minutes to read • +9

With Azure Load Balancer, you can scale your applications and create high availability for your services. Load Balancer supports inbound and outbound scenarios, provides low latency and high throughput, and scales up to millions of flows for all TCP and UDP applications.

For more information on the Azure Load Balancer, please visit the below URL

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

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[View Queries](#)[open](#) **Question 45****Correct****Domain :Understand Core Azure Services**

A company currently has deployed 2 virtual machines to Azure. The virtual machines would be hosting a web application. Users would be using the web application from the Internet. Would it be better to deploy the virtual machines as part of an Azure Virtual machine scale set to increase the availability of the application?

A. Yes  B. No**Explanation:**

Answer – A

Yes, you can achieve higher availability for your applications by adding the virtual machines to a virtual machine scale set.

The Microsoft documentation mentions the following

What are virtual machine scale sets?

05/21/2018 • 3 minutes to read • 

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

For more information on Virtual Machine scale sets, please visit the below URL

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

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Domain :Understand Core Azure Services

A company wants to make use of a data store on the Azure platform. The data store would be used to store user profile information related to an application.

The company decides to create an Azure Storage Account and then use the Blob service to store the user profile data.

Is this the ideal service to use for this requirement?

- A. Yes 
- B. No 

Explanation:

Answer – B

This service is normally used to store objects.

The Microsoft documentation mentions the following

About Blob storage

Blob storage is designed for:

- Serving images or documents directly to a browser.
- Storing files for distributed access.
- Streaming video and audio.
- Writing to log files.
- Storing data for backup and restore, disaster recovery, and archiving.
- Storing data for analysis by an on-premises or Azure-hosted service.

For more information on Azure Blob storage, please visit the below URL

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blobs-introduction>

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Question 47

Incorrect

Domain :Understand Core Azure Services

A company wants to store application related user data onto Azure. They decide to create an Azure Storage Account. They then decide to use the File service to store the user data.
Is this the ideal service for storage of user related data?

- A. Yes
- B. No

Explanation:

Answer – B

This service is used when you want have files that can be accessed via the SMB 3.0 and HTTPS protocol.

The Microsoft documentation mentions the following

The screenshot shows a slide from Microsoft's Azure Files documentation. It features a large icon of a server with three horizontal bars (representing storage) on the left. To the right, the text "Azure Files" is displayed in a large, bold, sans-serif font. Below this, the sub-headline "Simple, secure, and fully managed cloud file shares" is shown in a bold, white, sans-serif font. To the left of this headline is a small, stylized icon of a server or storage unit. The background of the slide is a dark, blurred image of server racks in a data center.

Simple, secure, and fully managed cloud file shares

- ✓ Extend your servers to Azure with Sync for on-premises performance and capability
- ✓ Secure data at rest and in-transit using SMB 3.0 and HTTPS
- ✓ Simplify cloud file share management using familiar tools
- ✓ Create high-performance file shares using the Premium Files storage tier

For more information on the Azure File service, please visit the below URL

<https://azure.microsoft.com/en-us/services/storage/files/>

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[View Queries](#)[open ▾](#)**Question 48****Correct****Domain :Understand Core Azure Services**

A company wants to store application related user data onto Azure. They decide to create an Azure Storage Account. They then decide to use the Table service to store the user data.
Is this the ideal service for storage of user related data?

- A. Yes
- B. No

Explanation:

Answer – A

Yes, this is the ideal service for storing application related user data.

The Microsoft documentation mentions the following

Azure Table storage is a service that stores structured NoSQL data in the cloud, providing a key/attribute store with a schemaless design. Because Table storage is schemaless, it's easy to adapt your data as the needs of your application evolve. Access to Table storage data is fast and cost-effective for many types of applications, and is typically lower in cost than traditional SQL for similar volumes of data.

You can use Table storage to store flexible datasets like user data for web applications, address books, device information, or other types of metadata your service requires. You can store any number of entities in a table, and a storage account may contain any number of tables, up to the capacity limit of the storage account.

For more information on Azure Table storage, please visit the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-overview>

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Question 49

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

You have defined an Azure virtual network in a resource group named "whizlab-rg". The name of the virtual network is "whizlab-rg-vnet". You plan to assign a policy which specifies that virtual networks are not an allowed resource type in the resource group "whizlab-rg". What happens to the existing network once the policy is applied?

- A. The network is automatically deleted
- B. The network is moved to a different resource group
- C. The network resources would become a read-only resource
- D. The virtual network would continue to exist as it is 

Explanation:

Answer – D

Azure policies would just show the resources as a non-compliant resource as shown below. As such the resource would remain as it is.

Not allowed resource types

Policy compliance


[View definition](#) [Edit assignment](#) [Delete assignment](#) [Create Remediation Task](#)
Name : Not allowed resource types **Scope** : Pay-As-You-Go/whizlabs-rg

Description : -- **Excluded scopes** : 0

Assignment ID : /subscriptions/baaa99b3-1d19-4c5e-90e1-39d55de5fc6e/reso... **Definition** : Not allowed resource types
Selected Scopes [?](#)1 selected subscription Compliance state [?](#)

Non-compliant

Overall resource compliance [?](#)

96%

24 out of 25

Non-compliant resources [?](#)1

out of 25

Events (last 7 days) [?](#)

Details

Audit 0

Effect Type Deny

Append 0

Parent Initiative <<NONE>>

Modify 0

Deny 0

Deploy 0

Resource compliance [Events](#)

Filter by resource name or id...

Non-compliant All resource types All locations

NAME

PARENT RESOURCE

COMPLIAN...

RESOURCE TYPE

LOCATION

SCOPE

LAST EVAL...

 whizlabs-rg-vnet	resourcegroups/whi...	 Non-com...	/Microsoft.Network/...	Central US	Pay-As-You-Go/whizlabs-rg	9/24/2019, 1...
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Since this is clear from the implementation, all other options are incorrect

For more information on Azure policies, please visit the below URL

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

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Question 50**Correct****Domain :Understand Security, Privacy, Compliance, and Trust**

You have defined a resource group named "whizlabs-rg". The resource group currently has the following resources

<input type="checkbox"/>	NAME ↑	TYPE ↑	RESOURCE GROUP ↑
<input type="checkbox"/>	↳ whizlabs-rg-vnet	Virtual network	whizlabs-rg
<input type="checkbox"/>	whizlabvm	Virtual machine	whizlabs-rg
<input type="checkbox"/>	whizlabvm-ip	Public IP address	whizlabs-rg
<input type="checkbox"/>	whizlabvm-nsg	Network security group	whizlabs-rg
<input type="checkbox"/>	whizlabvm138	Network interface	whizlabs-rg
<input type="checkbox"/>	whizlabvm_OsDisk_1_addf931ff520444496cc6e...	Disk	WHIZLABS-RG

The resource group has the following lock in place

+ Add 🔒 Subscription ⟳ Refresh			
LOCK NAME	LOCK TYPE	SCOPE	NOTES
grouplock	Delete	(📦) whizlabs-rg	✎ Edit trash Delete

Would you be able to stop the virtual machine "whizlabvm" if it was in the running status?

- A. Yes ✓
- B. No

Explanation:

Answer – A

Here the lock is a delete type lock. You can still work with resources in the resource group. You only can't delete resources in the resource group.

The Microsoft documentation mentions the following on Azure Locks

Lock resources to prevent unexpected changes

05/14/2019 • 6 minutes to read •  +4

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.

- **CanNotDelete** means authorized users can still read and modify a resource, but they can't delete the resource.
- **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.

For more information on Azure Locks, please visit the below URL

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

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Question 51

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

You have defined a resource group named "whizlabs-rg". The resource group currently has the following resources

<input type="checkbox"/> NAME ↑	TYPE ↑	RESOURCE GROUP ↑
<input type="checkbox"/> whizlabs-rg-vnet	Virtual network	whizlabs-rg
<input type="checkbox"/> whizlabvm	Virtual machine	whizlabs-rg
<input type="checkbox"/> whizlabvm-ip	Public IP address	whizlabs-rg
<input type="checkbox"/> whizlabvm-nsg	Network security group	whizlabs-rg
<input type="checkbox"/> whizlabvm138	Network interface	whizlabs-rg
<input type="checkbox"/> whizlabvm_OsDisk_1_adff931ff520444496cc6e...	Disk	WHIZLABS-RG

The resource group has the following lock in place

Add	Subscription	Refresh			
LOCK NAME	LOCK TYPE	SCOPE	NOTES		
grouplock	Delete	whizlabs-rg			Delete

Would you be able to create a new resource in the resource group "whizlabs-rg"?

- A. Yes
- B. No

Explanation:

Answer - A

Here the lock is a delete type lock. You can still create resources in the resource group. You only can't delete resources in the resource group.

The Microsoft documentation mentions the following on Azure Locks

Lock resources to prevent unexpected changes

05/14/2019 • 6 minutes to read •  +4

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.

- **CanNotDelete** means authorized users can still read and modify a resource, but they can't delete the resource.
- **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.

For more information on Azure Locks, please visit the below URL

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

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Question 52

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

You have defined a resource group named "whizlabs-rg". The resource group currently has the following resources

NAME	TYPE	RESOURCE GROUP
whizlabs-rg-vnet	Virtual network	whizlabs-rg
whizlabvm	Virtual machine	whizlabs-rg
whizlabvm-ip	Public IP address	whizlabs-rg
whizlabvm-nsg	Network security group	whizlabs-rg
whizlabvm138	Network interface	whizlabs-rg
whizlabvm_OsDisk_1_addf931ff520444496cc6e...	Disk	WHIZLABS-RG

The resource group has the following lock in place

Add	Subscription	Refresh			
LOCK NAME	LOCK TYPE	SCOPE	NOTES		
grouplock	Delete	(RG) whizlabs-rg		 Edit	 Delete

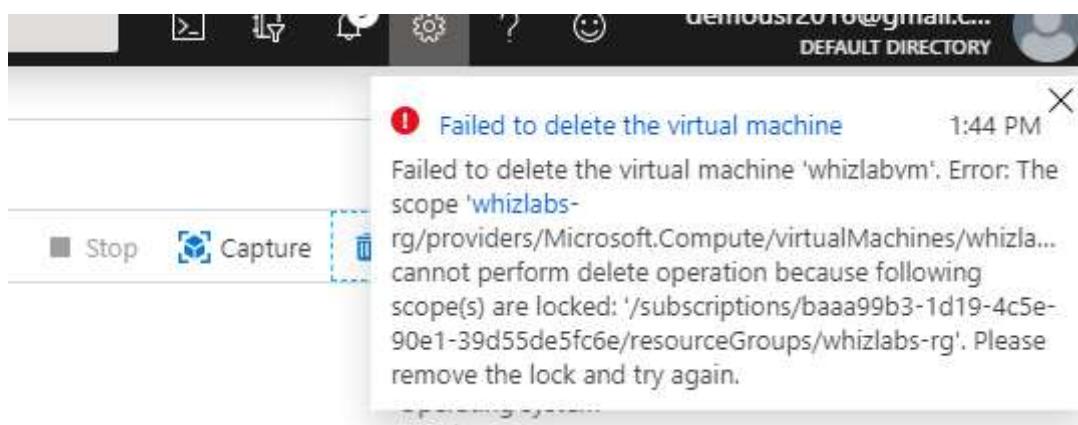
Would you be able to delete the virtual machine "whizlabvm"?

- A. Yes
- B. No 

Explanation:

Answer – B

Since we have a delete lock in place at the resource group level, you will not be able to delete any resource in the resource group.



For more information on Azure Locks, please visit the below URL

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 53****Correct**

Domain :Understand Azure Pricing and Support

A company wants to start using Azure. They want to deploy a number of resources to their Azure subscription. They want to be informed if the costs of Azure resources goes beyond a certain threshold. Which of the following can help achieve this?

- A. Create an alert in Azure Monitor
- B. Create a budget in Azure Cost Management 
- C. Create an alert in Azure Advisor
- D. Create a cost tag for the resource group

Explanation:

Answer – B

You can create a budget and get a notification if the costs are going beyond the budget.

The Microsoft documentation mentions the following

Tutorial: Create and manage Azure budgets

09/09/2019 • 6 minutes to read • 

Budgets in Cost Management help you plan for and drive organizational accountability. With budgets, you can account for the Azure services you consume or subscribe to during a specific period. They help you inform others about their spending to proactively manage costs, and to monitor how spending progresses over time. When the budget thresholds you've created are exceeded, only notifications are triggered. None of your resources are affected and your consumption isn't stopped. You can use budgets to compare and track spending as you analyze costs.

Cost and usage data is typically available within 8-12 hours and budgets are evaluated against these costs every four hours. Email notifications are normally received within 12-16 hours.

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on Azure budgets, please visit the below URL

<https://docs.microsoft.com/en-us/azure/cost-management/tutorial-acm-create-budgets>

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Question 54

Correct

Domain :Understand Azure Pricing and Support

You are planning on creating an Azure Free Account. Which of the following is correct when it comes to the Azure Free Account? Choose 2 answers from the options given below

- A. You get free access to all services for 12 months.
- B. You get USD 200 worth of credit that you can spend during the first 30 days of sign-up ✓
- C. After the 30-day period of USD 200 worth of credit is over, for continuous usage, you need to convert to a Pay-As-You-Go account. ✓
- D. You only need to have a valid mobile number to sign-up for the account

Explanation:

Answer – B and C

The following is mentioned in the Microsoft documentation to support the correct options

What does it mean to upgrade my account?

When you sign up for an Azure free account, you get a \$200 credit that acts as a spending limit—that is, in the first 30 days, any usage of resources beyond the free products and quantities will be deducted from the \$200 credit. When you've used up the \$200 credit or 30 days have expired (whichever happens first), you'll have to upgrade to a [pay-as-you-go account](#). This automatically removes the spending limit so you can continue to get access to all the free products included in the free account. With the spending limit removed, you pay for what you use beyond the free amounts and this is charged to the card you provided.

What is the Azure free account?

The Azure free account includes free access to our most popular Azure products for 12 months, \$200 credit to spend for the first 30 days of sign up, and access to more than 25 products that are always free.

Option A is incorrect because you don't get free access to ALL products, just the popular ones.

Option D is incorrect because you also need to have a credit card or Microsoft account in hand.

For more information on the Azure Free Account, please visit the below URL

<https://azure.microsoft.com/en-us/free/free-account-faq/>

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Question 55

Correct

Domain :Understand Core Azure Services

A company wants to deploy a custom solution available from a vendor onto Azure. Where should the company search to see if the solution is already readily available to be deployed?

- A. In Azure Security Center
- B. In the Azure Marketplace 
- C. In Azure Advisor
- D. In Azure Monitor

Explanation:

Answer – B

You can look for already solutions in the Azure Marketplace

The Microsoft documentation mentions the following

What is Azure Marketplace?

[Azure Marketplace](#) provides access and information on solutions and services available from Microsoft and our partners. Customers (IT professionals and developers) can discover, try to buy cloud software solutions built on or built for Azure. Our 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.

Since this is clearly mentioned in the Microsoft documentation , all other options are incorrect

For more information on the Azure Marketplace, please visit the below URL

<https://docs.microsoft.com/en-us/azure/marketplace/marketplace-faq-publisher-guide>

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