← Back to the **Course**

Level: Beginner
Microsoft Azure Exam AZ-900 Certification

Free Test   Completed on **Thu, 11 May 2023**

1st
Attempt

22/30
Marks Obtained

73.33%
Your Score

0h 20m 12s
Time Taken

PASS
Result

Domain wise Quiz Performance Report

No.	Domain	Total Question	Correct	Incorrect	Unattempted	Marked for Review
1	Describe cloud concepts	4	3	1	0	0
2	Describe Azure architecture and services	19	13	6	0	0
3	Describe Azure management and governance	7	6	1	0	0
Total	All Domains	30	22	8	0	0

Review the Answers

Filter By   All Questions

Question 1

Incorrect

Domain: Describe Azure architecture and services

A management group tree can support up to _____ levels of depth.

A. 4

○ B. 5   wrong

C. 6   right

D. 7

Correct Answer: C

Options A, B and D are **incorrect**.

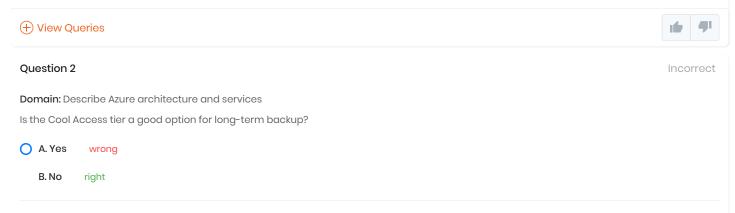**Option C is correct** because there is six levels of depth.

A management group helps you to manage different subscriptions. It helps you to apply governance policies across subscriptions.

A management group tree can support up to six levels of depth. This limit doesn't include the Root level or the subscription level.

Reference:

Organise your resources with management groups - Azure Governance - Azure governance | Microsoft Docs

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Question 2   Incorrect

Domain: Describe Azure architecture and services

Is the Cool Access tier a good option for long-term backup?

○ **A. Yes**   wrong

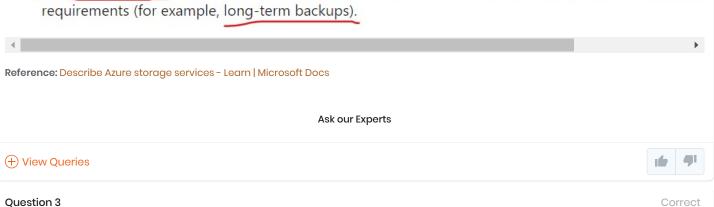 **B. No**   right

Explanation:

Correct Answer: B

The **Cool Access Tier has a time period of 30 days**. (Data in the Cool tier should be stored for a minimum of 30 days) this is not suitable for Cool Access Tier.

Hot access tier contains frequently accessed data.

Archive access tier is best option for Long Term Backup.

Archive access tier has flexible latency requirements, on the order of hours. Data in the Archive tier should be stored for a minimum of 180 days.

- **Hot access tier**: Optimized for storing data that is accessed frequently (for example, images for your
- **Cool access tier**: Optimized for data that is infrequently accessed and stored for at least 30 days (for invoices for your customers).
- **Archive access tier**: Appropriate for data that is rarely accessed and stored for at least 180 days, with requirements (for example, long-term backups).

Reference: Describe Azure storage services - Learn | Microsoft Docs

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Question 3   Correct

Domain: Describe Azure architecture and services

Is the archive access tier set at the storage account level?

  A. Yes

○ B. No   right

Explanation:

Correct Answer: B

Option B is correct because the **Archive Access tier needs to be set at the blob level.**

The archive Access tier is the cheapest of all three access tiers. It is appropriate for data that is rarely accessed and stored for at least 180 days. for example, long-term backups.

Hot: Optimal For frequently accessed data.

Cool: Optimal for less frequent data access. Data in the Cool tier should be stored for a minimum of 30 days.

For blobs stored in the "Archive" access tier, **you pay a lot less for storage price** (compared to storage prices for the hot tier) but you pay significantly higher transaction price (again compared to transaction prices for the hot tier) when these blobs are accessed thus making this tier optimal for rarely accessed blobs.

Reference:

Set a blob's access tier - Azure Storage | Microsoft Docs

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Question 4   Correct

Domain: Describe Azure architecture and services

A company is planning to deploy Azure resources to a resource group. But the resources would belong to different regions. Can you have resources that belong to the same resource group but be in multiple regions?
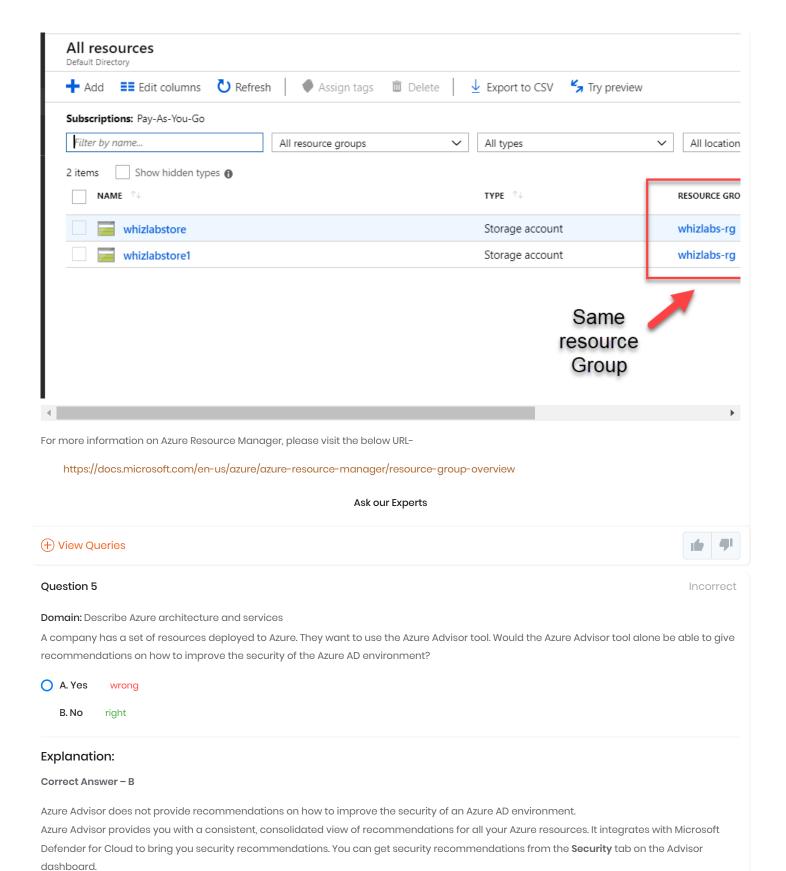
○ A. Yes   right

   B. No

Explanation:

Answer – A

An example is shown below in Azure, where you can have resources in the same resource groups, but in different regions.

_

All resources
Default Directory

+ Add   **≣≣ Edit columns**   **↻ Refresh** | **◆ Assign tags**   **🗑 Delete** | **↓ Export to CSV**   **↝ Try preview**

Subscriptions: Pay-As-You-Go

| Filter by name... | All resource groups ⌄ | All types ⌄ | All location |

2 items   ☐ Show hidden types ⓘ

	NAME ↑↓	TYPE ↑↓	RESOURCE GRO
☐ 🗄	whizlabstore	Storage account	whizlabs-rg
☐ 🗄	whizlabstore1	Storage account	whizlabs-rg

Same resource Group

For more information on Azure Resource Manager, please visit the below URL-

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

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Question 5   *Incorrect*

Domain: Describe Azure architecture and services

A company has a set of resources deployed to Azure. They want to use the Azure Advisor tool. Would the Azure Advisor tool alone be able to give recommendations on how to improve the security of the Azure AD environment?

◯ **A. Yes**   wrong

    B. No   right

Explanation:

Correct Answer – B

Azure Advisor does not provide recommendations on how to improve the security of an Azure AD environment.
Azure Advisor provides you with a consistent, consolidated view of recommendations for all your Azure resources. It integrates with Microsoft Defender for Cloud to bring you security recommendations. You can get security recommendations from the **Security** tab on the Advisor dashboard.

What resources does Advisor provide recommendations for?

Advisor provides recommendations for Application Gateway, App Services, availability sets, Azure Cache, Azure Data Factory, Azure Database for MySQL, Azure Database for PostgreSQL, Azure Database for MariaDB, Azure ExpressRoute, Azure Cosmos DB, Azure public IP addresses, Azure Synapse Analytics, SQL servers, storage accounts, Traffic Manager profiles, and virtual machines.

Azure Advisor also includes your recommendations from Microsoft Defender for Cloud which may include recommendations for additional resource types.
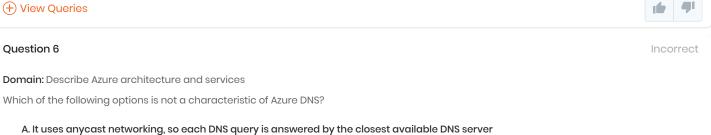
The Azure document clearly says that "Azure Advisor integrates with Microsoft Defender for Cloud" to give security recommendations.

Reference:

Introduction to Azure Advisor - Azure Advisor | Microsoft Learn

Make resources more secure with Azure Advisor - Azure Advisor | Microsoft Learn

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Question 6   Incorrect

Domain: Describe Azure architecture and services

Which of the following options is not a characteristic of Azure DNS?

    A. It uses anycast networking, so each DNS query is answered by the closest available DNS server

    B. It currently supports DNSSEC   right

○ C. You cannot buy the domain in Azure DNS   wrong

    D. Azure DNS supports private DNS domains

Explanation:

Correct Answer: B

A Domain Name System (DNS) Maps IP Address to Domain Names.

Azure DNS is a hosting service for DNS domains that provides name resolution by using the global Microsoft Azure infrastructure.

Option A is Incorrect: Azure DNS uses anycast networking via Microsoft's Global Infrastructure to answer the DNS query from the closest available DNS server.

Option B is correct: Azure DNS does not currently support DNSSEC. In most cases, you can reduce the need for DNSSEC by consistently using HTTPS/TLS in your applications.

Option C is Incorrect: Presently you can not buy domains in Azure DNS, you need to purchase the domains from third-party domain providers (like GoDaddy).

Option D is Incorrect: Azure DNS also supports Private DNS Zones which helps in name resolution within your associated virtual networks.

Reference:

What is Azure DNS? | Microsoft Docs

👍 👎

Question 7

Correct

Domain: Describe Azure management and governance

Azure Advisor dashboard displays personalized recommendations to optimize your Azure deployments. Which of the following options are not included in the Azure Advisor recommendations?

    A. Reliability

    B. Performance

○ C. Predictability   right

    D. Cost

Explanation:

Correct Answer: C

Azure Advisor gives proactive, actionable, and personalized best practices recommendations to help you improve your azure cloud deployments.

    Option A is Incorrect : Azure Advisor gives recommendations on Reliability to ensure and improve the continuity of your business-critical applications.

    Option B is incorrect : Azure Advisor gives a recommendation on Performance to improve the speed of your applications.

    Option C is Correct: Azure Advisor does not give a recommendation on Predictability.

    Option D is incorrect : Azure Advisor gives the recommendation to optimize and reduce your overall Azure spending.

Reference:

    Introduction to Azure Advisor - Azure Advisor | Microsoft Docs

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Question 8

Correct

Domain: Describe Azure architecture and services

You have multiple storage accounts in your subscription. You need to provide read access for storage account1 only to a user, Write access to storage account1 shouldn't be granted. Access to other storage accounts should not be given.

Which of the following you should configure to achieve this target?

    A. Azure AD Device Management

    B. Privileged Identity Management(PIM)

○ C. Azure RBAC   right

    D. Conditional Access

Explanation:

Correct Answer: C

Option A is Incorrect : Azure AD Device management helps register our devices to azure. Hence, it can not help in this case.

Option B is Incorrect : Privileged Identity Management (PIM) enables you to manage, control, and monitor access to important resources in your organization. These resources include objects in Azure AD, Azure & M365 only **and not to the Azure storage accounts.**

Option C is correct : Azure RBAC helps us to give fine-grained access control to our users. It can be attached at the resource level also. A reader role at the Storage account1 level will help in this case.

Option D is Incorrect : Conditional Access is simple If-Then statements, which helps you to allow/deny/require MFA to a sign-in attempt based on the signals, not suitable to give access controls.

Reference:

What is Azure role-based access control (Azure RBAC)? | Microsoft Docs

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Question 9   Incorrect

Domain: Describe Azure architecture and services

Your organization published a custom web application. You want to use Azure Active Directory as an Identity and access management service provider to authenticate customers to your web applications. By configuring this, which of the following Azure AD features are you using?

   A. Azure AD Tenant

   B. Azure AD Connect

◯ C. Azure B2B   wrong

   D. Azure B2C   right

Explanation:

Correct Answer: D

This question describes that you want your customers to be able to use your web application after getting authenticated from the Azure Active Directory.

Option A is Incorrect : Azure AD tenant is a container for Azure AD Objects like users, groups & devices

Option B is Incorrect : Azure AD connect is used to connect On-prem AD to Azure AD

Option C is Incorrect : Azure B2B is used to invite external Azure AD users to your Azure AD. It helps your company to start collaborating with other organizations.

Option D is Correct : Azure AD B2C is used when you use Azure AD to authenticate and authorize customers to your application.

Reference:

What is Azure Active Directory B2C? | Microsoft Docs

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Question 10   Correct

Domain: Describe Azure architecture and services

Which of the following option is True regarding Azure File Sync?

    A. Upload/Download files using a physical device

    B. Copy blobs or files to or from your storage account using the command line

    C. Download/upload files and blobs in your Azure Storage Account using a GUI-based app installed on your local computer

  ⃝ D. Cloud Tiering - most frequently accessed files are replicated locally, while infrequently accessed files are stored in azure   *right*

Explanation:

Correct Answer: D

Azure File Sync is used with a windows server to access your data locally. It uses SMB, NFS, and FTPS protocols

    Option A is Incorrect: Azure File sync is not a physical data transfer tool.

    Option B is Incorrect: AzCopy is a command line utility used to upload and download files to and from your azure storage account using your command line. In Azure File sync there is no command to upload/download files.

    Option C is Incorrect: Azure Storage Explorer is a GUI-based file transfer utility. Azure File Sync has a GUI ONLY TO REGISTER THE WINDOWS SERVER, but it does not uses any GUI to upload / download blobs.

    Option D is correct: Azure File Sync helps us to configure cloud tiering so the most frequently accessed files are replicated locally, while infrequently accessed files are kept in the cloud until requested.

Reference:

Identify Azure file movement options - Learn | Microsoft Docs

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Question 11   Correct

Domain: Describe Azure architecture and services

Your company decides to implement passwordless authentication for an efficient user experience. Being an administrator please identify which of the following passwordless authentication options DOES NOT INTEGRATE with Azure Active Directory (Azure AD).

    A. Windows Hello for Business

    B. Microsoft Authenticator app

    C. FIDO2 security keys

  ⃝ D. A cryptographic key   *right*

Explanation:

Correct Answer: D

    Option A is Incorrect: Windows Hello helps the user to use their biometric and PIN credentials to be inserted into your PC/Laptop which will be used to sign in to the Azure console..

    Option B is Incorrect: After installing Microsoft Authenticator App on your phone, users can sign in to any platform or browser by getting a notification on their phone, matching a number displayed on the screen to the one on their phone.

    Option C is incorrect: FIDO2 is the latest standard from the FIDO (Fast IDentity Online) Alliance that incorporates the web authentication (WebAuthn) standard. It is a physical component that needs to be attached to your device.
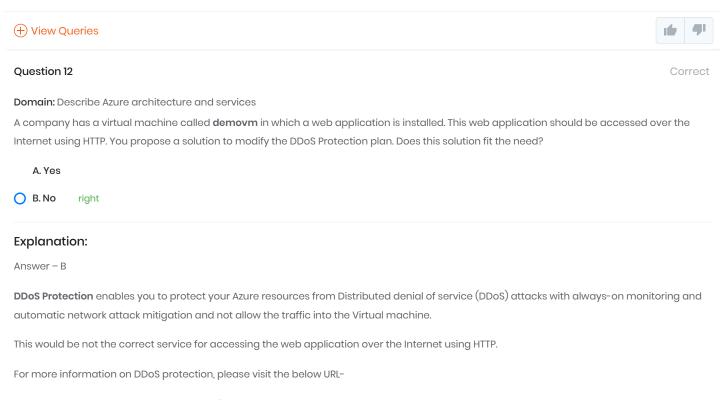
Option D is Correct: Passwordless Authentication does not support cryptographic keys. A cryptographic key is a **string of data that is used to lock or unlock cryptographic functions**, including authentication, authorization, and encryption

References:

Describe Azure authentication methods - Learn | Microsoft Docs

Azure Active Directory passwordless sign-in - Microsoft Entra | Microsoft Docs

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Question 12   Correct

Domain: Describe Azure architecture and services

A company has a virtual machine called **demovm** in which a web application is installed. This web application should be accessed over the Internet using HTTP. You propose a solution to modify the DDoS Protection plan. Does this solution fit the need?

A. Yes

○ B. No   right

Explanation:

Answer – B

DDoS Protection enables you to protect your Azure resources from Distributed denial of service (DDoS) attacks with always-on monitoring and automatic network attack mitigation and not allow the traffic into the Virtual machine.

This would be not the correct service for accessing the web application over the Internet using HTTP.

For more information on DDoS protection, please visit the below URL-

Azure DDoS Protection Standard Overview | Microsoft Docs

Azure DDoS Protection and Mitigation Services | Microsoft Azure

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Question 13   Correct

Domain: Describe Azure management and governance

A company wants to make use of an Azure service in private preview. Are Azure services in private preview available only to a selective portion of customers?
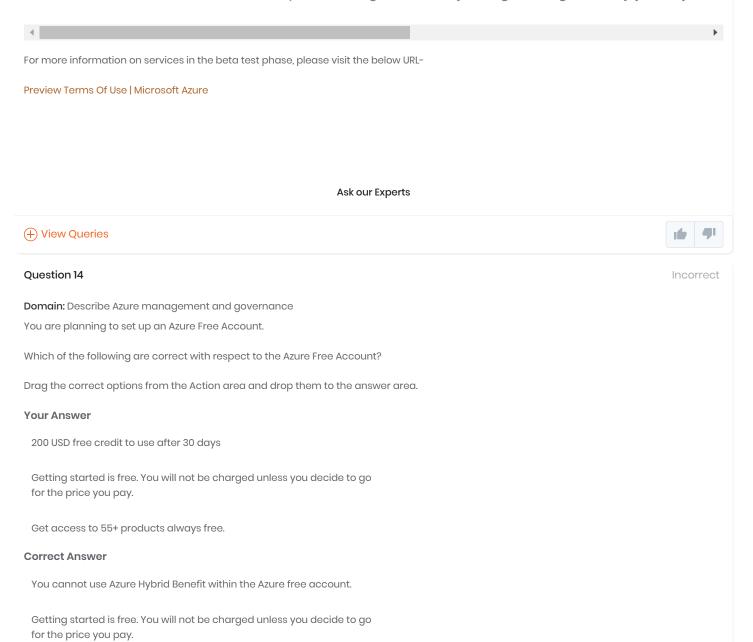
○ A. Yes   right

B. No

Explanation:

Answer – A

Services in private preview are only available a few customers to take part in early access to new concepts and features.

An example is given below. If you go to the services available in the beta phase and click on "Try it"

Azure Active Directory preview programs

Azure Active Directory provides updates and new features in the form of preview programs. Micros to evaluate and understand the new feature before it becomes part of the standard service of Azure

1. **Private preview** – During this phase we invite a few customers to take part in early access to ne

2. **Public preview** – During this phase we allow any customer with the proper Azure AD license to support services during this phase, but normal service level agreements do not apply. For new f banners in the user interface that draw attention to the new experience available during the pre experience.

3. **Generally available (GA)** – After the public preview is completed, the feature is open for any li aware when a new feature impacts existing functionality, it might change the way you or your u

For more information on services in the beta test phase, please visit the below URL-

Preview Terms Of Use | Microsoft Azure

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Question 14

Incorrect

Domain: Describe Azure management and governance

You are planning to set up an Azure Free Account.

Which of the following are correct with respect to the Azure Free Account?

Drag the correct options from the Action area and drop them to the answer area.

Your Answer

200 USD free credit to use after 30 days

Getting started is free. You will not be charged unless you decide to go for the price you pay.

Get access to 55+ products always free.

Correct Answer

You cannot use Azure Hybrid Benefit within the Azure free account.

Getting started is free. You will not be charged unless you decide to go for the price you pay.

Get access to 55+ products always free.

Explanation:

Correct Answers:

Get access to 55+ products always free.

You cannot use Azure Hybrid Benefit within the Azure free account.

Getting started is free. You won't be charged anything unless you decide to move to pay-as-you-go pricing.

Popular services free for 12 months	55+ other services free always	Start with USD200* Azure credit
↓ View all services	↓ View all services	↓ You'll have **30 days** to use it—in addition to free services

Can I use my Azure Hybrid Benefit within the Azure free account?   ⌃

The Azure Hybrid Benefit cannot be combined with the free credit. If you move to pay-as-you-go pricing at the end of your first 30 days or after you spend your credit, then you will be able to use your Azure Hybrid Benefit.

Do I pay anything to start with the Azure free account?

No. Starting is free. You won't be charged anything unless you decide to move to pay-as-you-go pri

References:

Azure Free Account FAQ | Microsoft Azure

Create Your Azure Free Account Today | Microsoft Azure

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Question 15   Correct

Domain: Describe Azure architecture and services

A company wants to deploy small pieces of code onto Azure. They want to cut the costs for hosting the code. Which of the following could they consider for hosting the code?

A. Azure Virtual Machines

B. Azure Batch service

◯ C. Azure Functions   right

    D. Azure Logic Apps

Explanation:

Correct Answer: C

Azure Functions is a cloud service available on-demand that provides all the continually updated infrastructure and resources needed to run your applications. You focus on the code that matters most to you, in the most productive language for you, and Functions handles the rest. Functions provide serverless computing for Azure.

You can use Azure functions to save costs if you want to run small pieces of code.

The Microsoft documentation mentions the following.
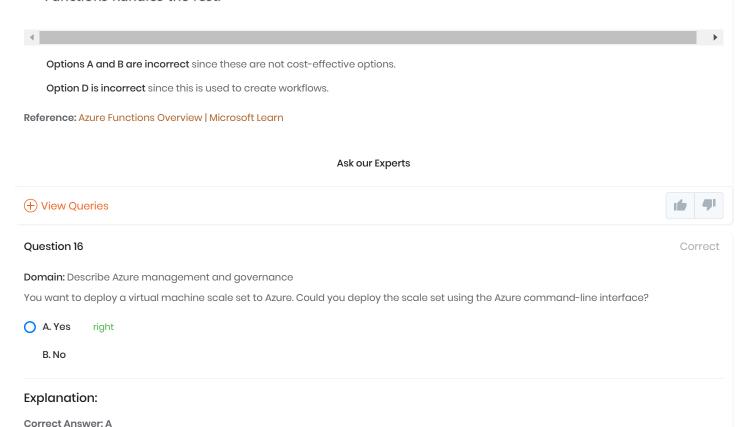
Introduction to Azure Functions

Article • 10/19/2022 • 2 minutes to read • 28 contributors   👍 Feedback

Azure Functions is a serverless solution that allows you to write less code, maintain less infrastructure, and save on costs. Instead of worrying about deploying and maintaining servers, the cloud infrastructure provides all the up-to-date resources needed to keep your applications running.

You focus on the code that matters most to you, in the most productive language for you, and Azure Functions handles the rest.

Options A and B are incorrect since these are not cost-effective options.

Option D is incorrect since this is used to create workflows.

Reference: Azure Functions Overview | Microsoft Learn

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Question 16   Correct

Domain: Describe Azure management and governance

You want to deploy a virtual machine scale set to Azure. Could you deploy the scale set using the Azure command-line interface?

◯ A. Yes   right

    B. No

Explanation:

Correct Answer: A

The Microsoft documentation also has a quick start section on how this can be achieved.

Quickstart: Create a virtual machine scale set with the Azure CLI

03/27/2018 • 4 minutes to read • 👥👤👤👤👤

A virtual machine scale set allows you to deploy and manage a set of identical, auto-scaling virtual machines. You can scale the number of VMs in the scale set manually, or define rules to autoscale based on resource usage like CPU, memory demand, or network traffic. An Azure load balancer then distributes traffic to the VM instances in the scale set. In this quickstart, you create a virtual machine scale set and deploy a sample application with the Azure CLI.

If you don't have an Azure subscription, create a [free account](#) before you begin.
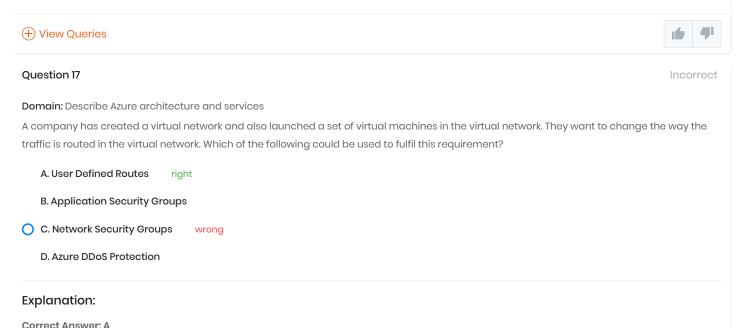
Use Azure Cloud Shell

Azure hosts Azure Cloud Shell, an interactive shell environment that you can use through your browser. Cloud Shell lets you use either `bash` or `PowerShell` to work with Azure services. You can use the Cloud Shell pre-installed commands to run the code in this article without having to install anything on your local environment.

For more information on using the Azure command-line interface to create virtual machine scale sets, please visit the below URL-

https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/quick-create-cli

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Question 17   Incorrect

Domain: Describe Azure architecture and services

A company has created a virtual network and also launched a set of virtual machines in the virtual network. They want to change the way the traffic is routed in the virtual network. Which of the following could be used to fulfil this requirement?

   A. User Defined Routes   right

   B. Application Security Groups

○ C. Network Security Groups   wrong

   D. Azure DDoS Protection

Explanation:

Correct Answer: A

You can create your network routes using User Defined Routes

The Microsoft documentation mentions the following

User-defined

You can create custom, or user-defined, routes in Azure to override Azure's default system routes, or to add additional routes to a subnet's route table. In Azure, you create a route table, then associate the route table to zero or more virtual network subnets. Each subnet can have zero or one route table associated to it. To learn about the maximum number of routes you can add to a route table and the maximum number of user-defined route tables you can create per Azure subscription, see Azure limits. If you create a route table and associate it to a subnet, the routes within it are combined with, or override, the default routes Azure adds to a subnet by default.

Options B and C are incorrect since these are used to filter network traffic into and out of virtual networks.

Option D is incorrect since this is used to protect infrastructure against DDoS attacks

For more information on virtual network routing, please visit the below URL

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

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Question 18   Correct

Domain: Describe Azure architecture and services

A company currently has an Azure subscription and an Azure tenant. They want to implement Azure Multi-factor authentication. Is it possible to add an SMS as a second means of authentication for a user?

○ A. Yes   right

   B. No

Explanation:

Correct Answer: A

Azure provides the following authentication methods for both Multi-Factor authentication and self-service password reset. In this, SMS is an authentication method available
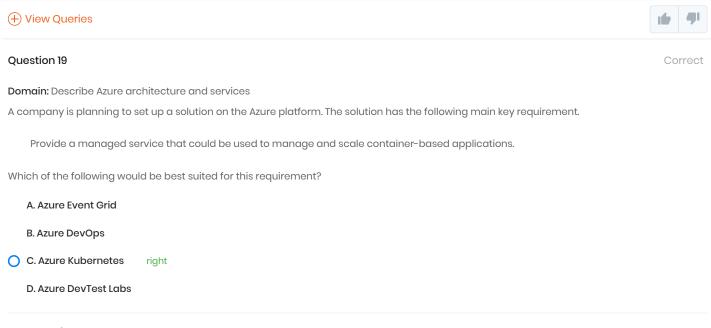
Microsoft highly recommends Administrators enable users to select more than the minimum required number of authentication methods in case they do not have access to one.

Authentication Method	Usage
Password	MFA and SSPR
Security questions	SSPR Only
Email address	SSPR Only
Microsoft Authenticator app	MFA and SSPR
OATH Hardware token	Public preview for MFA and SSPR
SMS	MFA and SSPR
Voice call	MFA and SSPR
App passwords	MFA only in certain cases

For more information on authentication methods, please visit the below URL

https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-methods

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Question 19   Correct

Domain: Describe Azure architecture and services

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

    Provide a managed service that could be used to manage and scale container-based applications.

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

    A. Azure Event Grid

    B. Azure DevOps

○ **C. Azure Kubernetes**   *right*

    D. Azure DevTest Labs

Explanation:

Answer – C

The Azure Kubernetes service can achieve this.

The Microsoft documentation mentions the following.

Ship faster, operate with ease, and scale confidently

The fully managed Azure Kubernetes Service (AKS) makes deploying and managing containerized applications easy. It offers serverless Kubernetes, an integrated continuous integration and continuous delivery (CI/CD) experience, and enterprise-grade security and governance. Unite your development and operations teams on a single platform to build, deliver, and scale applications with confidence.

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

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

https://azure.microsoft.com/en-us/services/kubernetes-service/
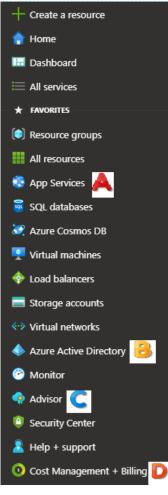
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Question 20

Correct

Domain: Describe Azure architecture and services

A company has just started using Azure. They have just acquired a subscription and created an Azure tenant. Where do they have to go to create users and groups for their Azure AD tenant?

+ Create a resource

🏠 Home

📊 Dashboard

≡ All services

★ FAVORITES

[⬡] Resource groups

▦ All resources

🔵 App Services   **A**

🗄 SQL databases

☁ Azure Cosmos DB

🖥 Virtual machines

◆ Load balancers

▭ Storage accounts

‹·› Virtual networks

◆ Azure Active Directory   **B**

◔ Monitor

◉ Advisor   **C**

🛡 Security Center

🧑 Help + support

◉ Cost Management + Billing   **D**

A. App Services

○ B. Azure Active Directory   right

C. Advisor

D. Cost Management + Billing

Explanation:

Answer – B

You can create users and groups in Azure Active Directory.

The Microsoft documentation mentions the following.

What is Azure Active Directory?

07/31/2019 • 9 minutes to read • 🟪 🧑 ⚫ 🤖 🔴 +8

Azure Active Directory (Azure AD) is Microsoft's cloud-based identity and access management service, which helps your employees sign in and access resources in:

- External resources, such as Microsoft Office 365, the Azure portal, and thousands of other SaaS applications.

- Internal resources, such as apps on your corporate network and intranet, along with any cloud apps developed by your own organization.

The other services can't be used to create users and groups.

For more information on Azure Active Directory, please visit the below URL-

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

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Question 21   Correct

Domain: Describe Azure architecture and services

A company is planning to set up a database on Azure SQL database service. Would the company administrative team have full control over the underlying server hosting the Azure SQL database?

  A. Yes

○ B. No   right

Explanation:

Answer – B

The Azure SQL database service is a Platform as a service. Here the underlying infrastructure is completely managed by Azure.

The Microsoft documentation mentions the following.

What is the Azure SQL Database service?

04/08/2019 • 20 minutes to read • 👤 👤 👤 👤 👤 +21

Azure SQL Database is a general-purpose relational database, provided as a managed service. With it, you can create a highly available and high-performance data storage layer for the applications and solutions in Azure. SQL Database can be the right choice for a variety of modern cloud applications because it enables you to process both relational data and non-relational structures, such as graphs, JSON, spatial, and XML.

For more information on the Azure SQL database, please visit the below URL-

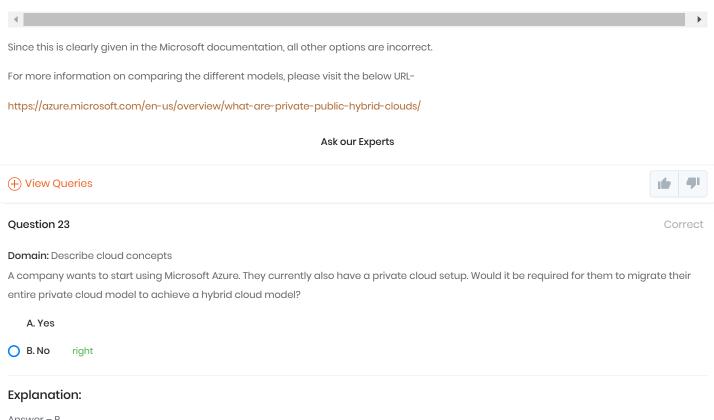https://docs.microsoft.com/en-us/azure/sql-database/sql-database-technical-overview

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Question 22   Correct

Domain: Describe cloud concepts

You are trying to understand the different cloud models. Which of the following are advantages of using the public cloud? Choose 2 answers from the options given below.

☐ A. Lower Capital Costs   right

   B. Higher maintenance

☐ C. High reliability   right

   D. Higher Capital Costs

Explanation:

Answer – A and C

The advantages of using the public cloud are given in the Microsoft documentation.

What is a public cloud?

Public clouds are the most common way of deploying cloud computing. The cloud resources (like servers and storage) are owned and operated by a third-party cloud service provider and delivered over the Internet. Microsoft Azure is an example of a public cloud. With a public cloud, all hardware, software, and other supporting infrastructure is owned and managed by the cloud provider. In a public cloud, you share the same hardware, storage, and network devices with other organizations or cloud "tenants." You access services and manage your account using a web browser. Public cloud deployments are frequently used to provide web-based email, online office applications, storage, and testing and development environments.

Advantages of public clouds:

- Lower costs—no need to purchase hardware or software, and you pay only for the service you use.

- No maintenance—your service provider provides the maintenance.

- Near-unlimited scalability—on-demand resources are available to meet your business needs.

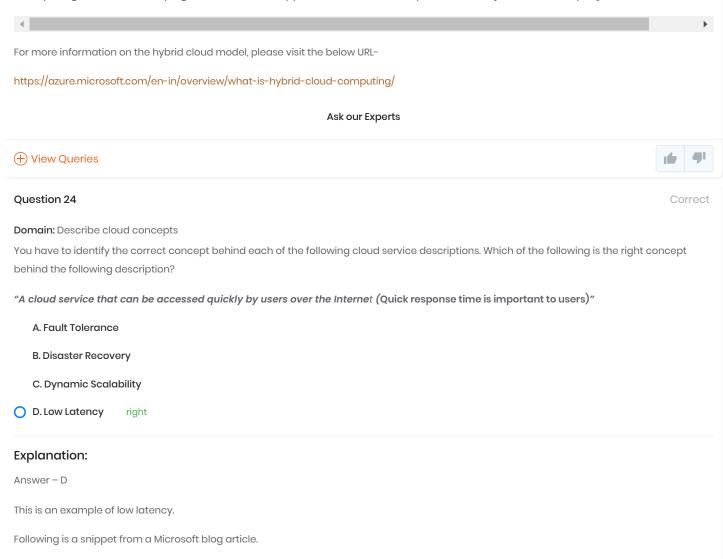- High reliability—a vast network of servers ensures against failure.

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

For more information on comparing the different models, please visit the below URL-

https://azure.microsoft.com/en-us/overview/what-are-private-public-hybrid-clouds/

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Question 23   Correct

Domain: Describe 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   right

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 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 datace access to the entirety of their data. Organizations gain the flexibility and computing power of the public cloud for basic and non-se 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 24   Correct

Domain: Describe cloud concepts

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 Interne*t (**Quick response time is important to users**)"

    A. Fault Tolerance

    B. Disaster Recovery

    C. Dynamic Scalability

○ D. Low Latency   right

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

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 that a service is running even in the event of a service failure.

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

Option C is incorrect since this is used to ensure that 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 25   Correct

Domain: Describe Azure management and governance

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. Microsoft Defender for Cloud

○ C. Azure Monitor   right

  D. Azure Active Directory

Explanation:

Answer – C

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

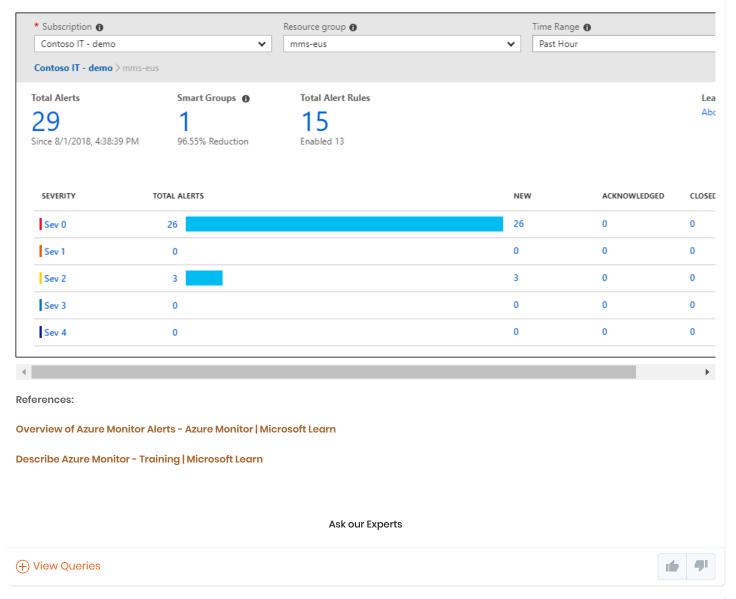The Microsoft documentation mentions the following.

What are Azure Monitor Alerts?

Article • 11/16/2022 • 5 minutes to read • 7 contributors

 Feedback

Alerts help you detect and address issues before users notice them by proactively notifying you when Azure Monitor data indicates that there may be a problem with your infrastructure or application.

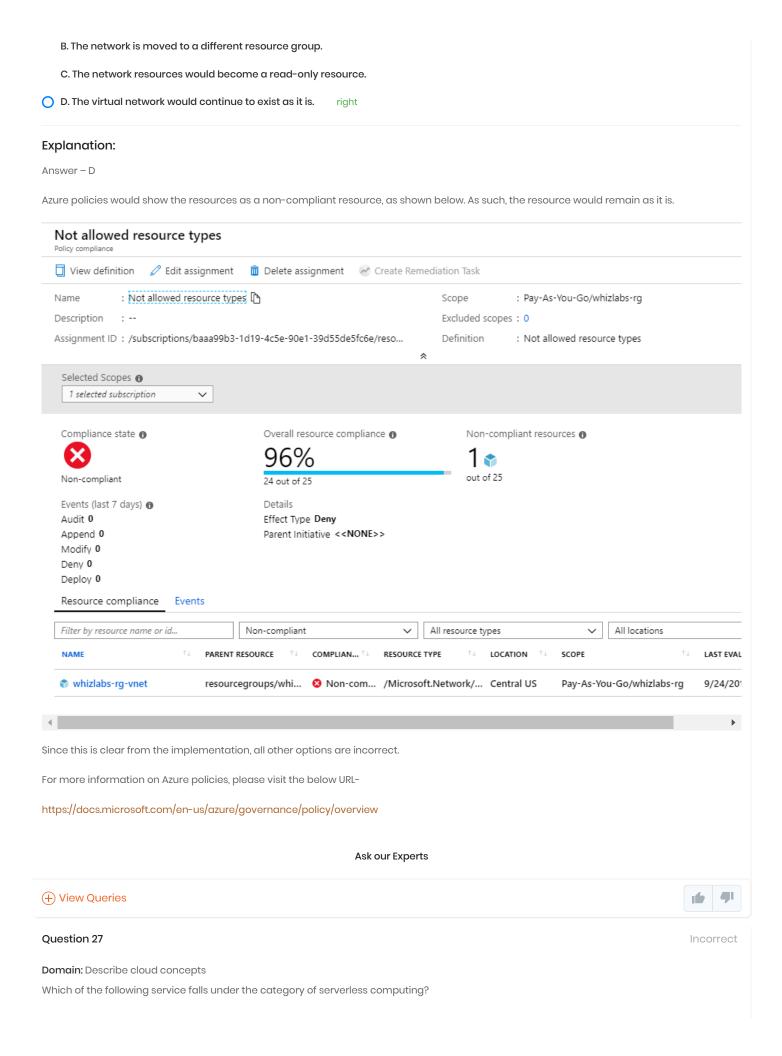You can alert on any metric or log data source in the Azure Monitor data platform.

* Subscription ❶	Resource group ❶	Time Range ❶
Contoso IT - demo	mms-eus	Past Hour

Contoso IT - demo > mms-eus

Total Alerts	Smart Groups ❶	Total Alert Rules		Lea
29	**1**	**15**		Abc
Since 8/1/2018, 4:38:39 PM	96.55% Reduction	Enabled 13		

SEVERITY	TOTAL ALERTS		NEW	ACKNOWLEDGED	CLOSED
Sev 0	26		26	0	0
Sev 1	0		0	0	0
Sev 2	3		3	0	0
Sev 3	0		0	0	0
Sev 4	0		0	0	0

References:

Overview of Azure Monitor Alerts - Azure Monitor | Microsoft Learn

Describe Azure Monitor - Training | Microsoft Learn

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Question 26   Correct

Domain: Describe Azure management and governance

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 that 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.   right

Explanation:

Answer – D

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

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 27   Incorrect

Domain: Describe cloud concepts

Which of the following service falls under the category of serverless computing?

A. Azure virtual machines

B. Azure SQL database – Elastic pool

C. Azure Functions   right

⭕ D. Availability sets   wrong

Explanation:

Answer : C

Azure Functions is an example of serverless computing. Here the underlying compute infrastructure is managed by the service itself.

Option A is incorrect because the virtual machine service is an Infrastructure as a service.

Option B is incorrect because the Azure SQL database – Elastic pool is a platform as a service.

Option D is incorrect because this is used to manage the availability of virtual machines

For more information on serverless computing, please visit the below URL

https://azure.microsoft.com/en-us/overview/serverless-computing/

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Question 28   Correct

Domain: Describe Azure architecture and services

Your Company wants to implement a security solution for the users who are on on-premises Active directory, and has following requirement:

Monitor User login/logout

Monitor Active Directory User account changes

Monitor Machine Account

Which is the best option to implement the above requirements?

⭕ A. Microsoft Defender for Identity (formerly Azure Advanced Threat Protection, also known as Azure ATP)   right

B. Azure AD Password Protection

C. Azure AD Identity Protection

D. Azure AD Privileged Identity Management

Explanation:

Correct Answer: A

Option A is CORRECT because all the 3 requirements can be implemented using Monitored activities

Option B is incorrect because only Password Protections options are available

Option C is incorrect because it is used for Identity Protections only

Option D is incorrect because it is used only for the important resources

Microsoft Defender for Identity (formerly Azure Advanced Threat Protection, also known as Azure 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.

Defender for Identity enables SecOp analysts and security professionals struggling to detect advanced attacks in hybrid environments to:

Monitor users, entity behavior, and activities with learning-based analytics

Protect user identities and credentials stored in Active Directory

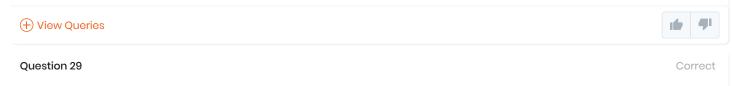Identify and investigate suspicious user activities and advanced attacks throughout the kill chain

Provide clear incident information on a simple timeline for fast triage

References:

https://docs.microsoft.com/en-us/azure-advanced-threat-protection/monitored-activities

https://docs.microsoft.com/en-us/defender-for-identity/what-is

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Question 29   Correct

Domain: Describe Azure management and governance

A company has just setup an Azure subscription and an Azure tenant. They want to use services that would fulfil different requirements. Which of the following can be used for the following requirement?

"Ensure that no one can accidentally delete resources that are part of a resource group"

◯ A. Azure resource locks   right

    B. Azure Policies

    C. Azure Blueprints

    D. Azure resource tags

Explanation:

Answer: A

Resource locks can be used to prevent the accidental deletion of resources.

Resource locks can be applied to individual resources, resource groups, or even an entire subscription. Resource locks are inherited, meaning that if you place a resource lock on a resource group, all of the resources within the resource group will also have the resource lock applied.

As shown below, you can use the delete lock to ensure resources don't get deleted.

◄ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬ ►

Option B is incorrect since this used as a governance service for your resources

Option C is incorrect since this used to orchestrate the deployment of resources

Option D is incorrect since this used to logically organize resources

Reference: Protect your Azure resources with a lock - Azure Resource Manager | Microsoft Learn

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Question 30   Correct

Domain: Describe Azure architecture and services

Your company is trying to assess the benefits of using the Azure Cosmos DB service. Can they migrate their existing MongoDB database onto Azure Cosmos DB?

◯ **A. Yes**   right

   B. No

Explanation:

Answer : A

There are multiple API's available with Azure Cosmos DB. One of the API's that can be used is the MongoDB API. You can migrate your existing MongoDB workloads to Azure Cosmos DB as well.

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

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

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