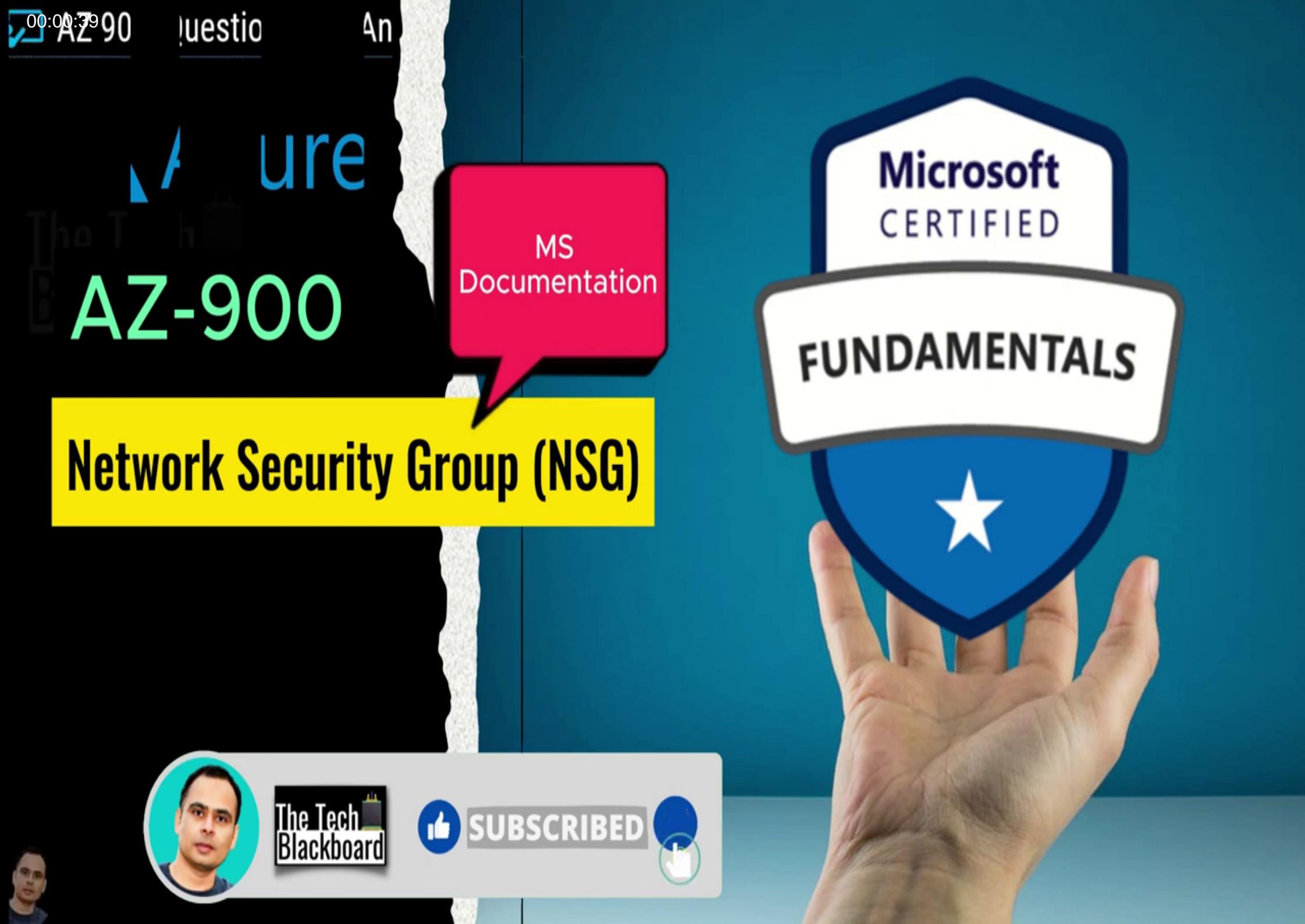


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Q10 Which statements regarding Cosmos DB are correct? (Choose Two)

- a) API selection determines the account type
- b) Relationships can be defined
- c) A structured schema is used
- d) Encryption for data at rest is enabled by default

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Q736: Which statements regarding Cosmos DB are correct? (Choose Two)

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In this article

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[Solutions that benefit from Azure Cosmos DB](#)

Next steps

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Today's applications are required to be highly responsive and always online. To achieve low latency and high availability, instances of these applications need to be deployed in datacenters that are close to their users. Applications need to respond in real time to large changes in usage at peak hours, store ever increasing volumes of data, and make this data available to users in milliseconds.

Azure Cosmos DB is a fully managed NoSQL and relational database for modern app development. Azure Cosmos DB offers single-digit millisecond response times, automatic and instant scalability, along with guaranteed speed at any scale.

Business continuity is assured with [SLA-backed](#) availability and enterprise-grade security.

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Business continuity is assured with SLA-backed availability and enterprise-grade security.

App development is faster and more productive thanks to:

- Turnkey multi region data distribution anywhere in the world
- Open source APIs
- SDKs for popular languages.

As a fully managed service, Azure Cosmos DB takes database administration off your hands with automatic management, updates and patching. It also handles capacity management with cost-effective serverless and automatic scaling options that respond to application needs to match capacity with demand.

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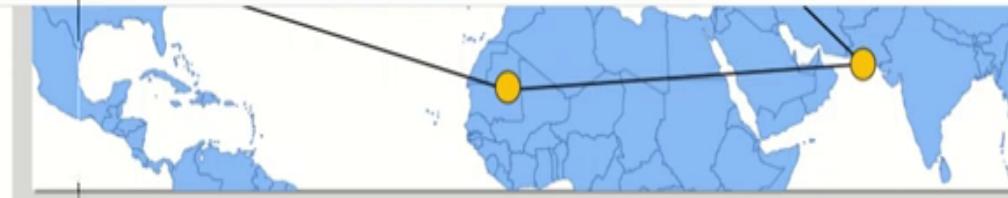
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Guaranteed speed at any scale

Gain unparalleled SLA-backed speed and throughput, fast global access, and instant elasticity.

- Real-time access with fast read and write latencies globally, and throughput and consistency all backed by [SLAs](#)
 - Multi-region writes and data distribution to any Azure region with just a button.
 - Independently and elastically scale storage and throughput across any Azure region – even **during unpredictable traffic bursts** – for unlimited scale worldwide

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Q737: Which service below is Microsoft's managed network security service in Azure that protects Azure Virtual Network resources?

- a) Azure VNET
- b) Azure Firewall
- c) Network Security Group
- d) Application Security Group

Q738: Content Delivery Network (CDN) allows you to reduce the traffic coming into a web server for static, unchanging files such as images, videos, and PDFs

Yes

No

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Overview

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CDN

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Requirements

Azure CDN features

Next steps

Important

Azure CDN from Akamai is scheduled to be retired on October 31, 2023. For more information, see [Migrate CDN provider](#) for guidance on migrating to another Azure CDN provider.

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

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

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

- Better performance and improved user experience for end users, especially

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

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

For a list of current CDN node locations, see [Azure CDN POP locations](#).

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latency.

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[Front Door](#)

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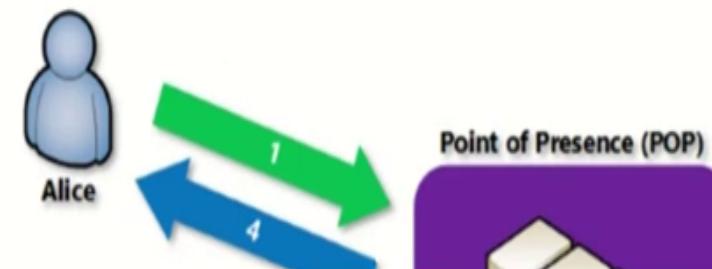
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Overview

> Front Door

CDN

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> Front Door

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[Create a Front Door - PowerShell](#)

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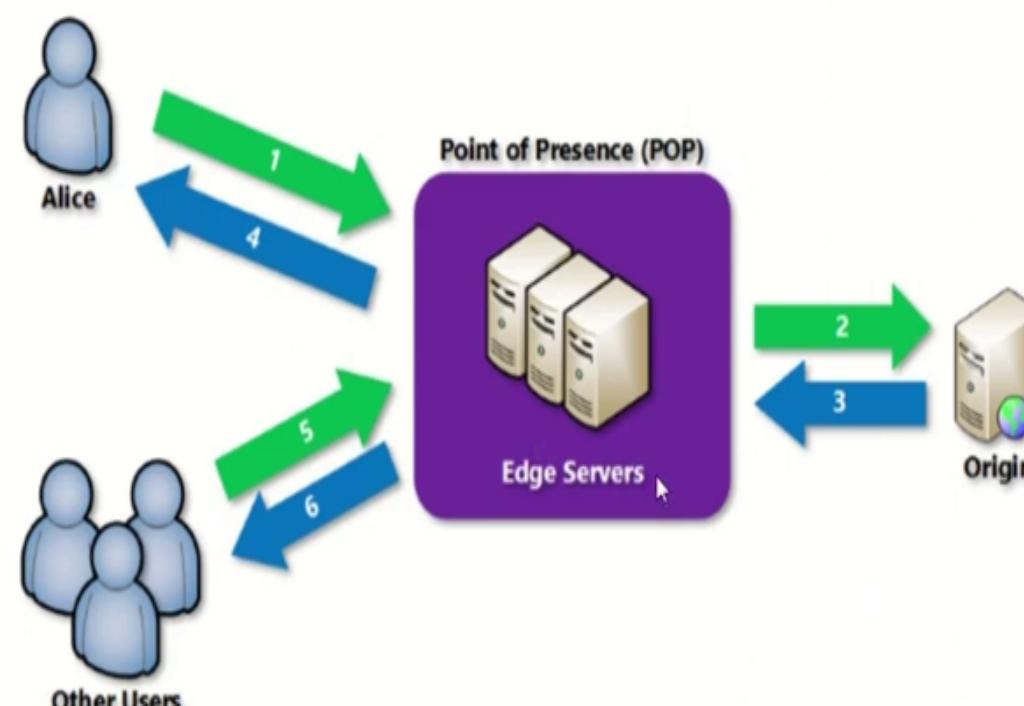
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- Distribution of user requests and serving of content directly from edge servers so that less traffic gets sent to the origin server.

For a list of current CDN node locations, see [Azure CDN POP locations](#).

How it works



1. A user (Alice) requests a file (also called an asset) by using a URL with a special domain name, such as <endpoint name>.azureedge.net. This name can be an endpoint hostname or a custom domain. The DNS routes the request to the best performing POP location, which is usually the POP that is geographically

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5. More users can then request the same file by using the same URL that Alice used, and gets directed to the same POP.

6. If the TTL for the file hasn't expired, the POP edge server returns the file directly from the cache. This process results in a faster, more responsive user experience.

Requirements

- To use Azure CDN, you must own at least one Azure subscription.
- You also need to create a CDN profile, which is a collection of CDN endpoints. Every CDN endpoint is a specific configuration which users can customize with required content delivery behavior and access. To organize your CDN endpoints by internet domain, web application, or some other criteria, you can use multiple profiles.
- Since [Azure CDN pricing](#) gets applied at the CDN profile level, so if you want to use a mix of pricing tiers you must create multiple CDN profiles. For information about the Azure CDN billing structure, see [Understanding Azure CDN billing](#).

Limitations

Each Azure subscription has default limits for the following resources:

- The number of CDN profiles created.

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Q739: Azure Active Directory is a network gateway that load balances user logins using a CDN (Content Delivery Network).

Yes

No



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None

Q740: The Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends.

Yes

No

Q741: Which services are part of Azure Storage Account service?

- a) Azure Table Storage
- b) Azure File Storage
- c) Azure Hard drive
- d) Azure Queue Storage
- e) Azure Disk Storage
- f) Azure Blog Storage

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Azure Storage data services

The Azure Storage platform includes the following data services:

- [Azure Blobs](#): A massively scalable object store for text and binary data. Also includes support for big data analytics through Data Lake Storage Gen2.
- [Azure Files](#): Managed file shares for cloud or on-premises deployments.
- [Azure Elastic SAN \(preview\)](#): A fully integrated solution that simplifies deploying, scaling, managing, and configuring a SAN in Azure.
- [Azure Queues](#): A messaging store for reliable messaging between application components.
- [Azure Tables](#): A NoSQL store for schemaless storage of structured data.
- [Azure managed Disks](#): Block-level storage volumes for Azure VMs.

Each service is accessed through a storage account with a unique address. To get started, see [Create a storage account](#).

Additionally, Azure provides the following specialized storage:

- [Azure NetApp Files](#): Enterprise files storage, powered by NetApp: makes it easy for enterprise line-of-business (LOB) and storage professionals to migrate and run complex, file-based applications with no code change. Azure NetApp Files is managed via NetApp accounts and can be accessed via NFS, SMB and dual-protocol volumes. To get started, see [Create a NetApp account](#).

For help in deciding which data services to use for your scenario, see [Review your storage options in the Microsoft Cloud Adoption Framework](#)

Additional resources

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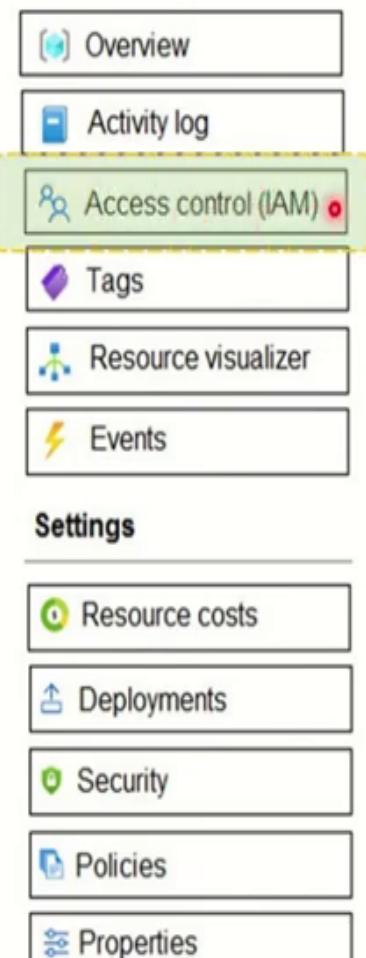
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Q741: Which services are part of Azure Storage Account service?

- a) Azure Table Storage
- b) Azure File Storage
- c) Azure Hard drive
- d) Azure Queue Storage
- e) Azure Disk Storage
- f) Azure Blog Storage

Q742: Which node in the Azure portal should you use to assign a user the Reader role for a resource group? To answer, select the node in the answer area.

Answer Area



Q742: Which node in the Azure portal should you use to assign a user the Reader role for a resource group?
To answer, select the node in the answer area.

Answer Area

Access control (IAM) is the page that you typically use to assign roles to grant access to Azure resources. It's also known as identity and access management

The screenshot shows the Azure portal interface for a subscription named 'Vij'. The left sidebar has a 'Subscription' section with 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Activity log', 'Access control (IAM)', 'Setting', 'Res...', 'Deployments', 'Security', 'Policies', and 'Properties'. The 'Access control (IAM)' item is highlighted with a red box. The main content area shows subscription details: Subscription ID: 560f8f44-399e, Directory: Default Directory (vijipingmail.onmicrosoft.com), Status: Active, Parent management group: --, Subscription name: Vij, My role: Owner, Plan: Azure Plan, and Secure Score: Not available. Below this, a yellow box contains the following steps:

3. Click the specific resource for that scope.
4. Choose Access control (IAM).

Q712: Three keys available in the properties blade for Azure Cognitive services?

Yes No

Q743: Three keys available in the properties blade for Azure Cognitive services?

Yes

No

Q743: Three keys available in the properties blade for Azure Cognitive services?

Yes

No

Two keys available in the properties blade for Azure Cognitive services.

Why you need two keys?

Keep watching the video and you will get the answer.



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Q744: You can use Network Security Group to configure network security as an extension of an application's structure.

Yes

No

Application Security Group

Q7

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Microsoft Sentinel service is a scalable, cloud-native, Security information and event and Security orchestration, automation, and response (SOAR)

Yes

No

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- Security information and event management (SIEM)
- Security orchestration, automation, and response (SOAR)

Microsoft Sentinel delivers intelligent security analytics and threat intelligence across the enterprise. With Microsoft Sentinel, you get a single solution for attack detection, threat visibility, proactive hunting, and threat response.

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[Quickstart: Onboard in Microsoft Sentinel](#)

In this quickstart, you enable Microsoft Sentinel, and set up data connectors to monitor and protect your environment.

[Prerequisites for deploying Microsoft Sentinel](#)

Q746: Why are two keys available in the properties blade for Azure Cognitive services?

- a) Keys for Windows and Linux platforms
- b) Key safekeeping
- c) Period key regeneration for security
- d) Enhanced performance

Q747: A Microsoft SQL Server database that is hosted in the cloud Virtual Machine is an example of:

- a) Infrastructure as a Service (IaaS)
- b) Platform as a service (PaaS)
- c) Software as a service (SaaS)

Q748: Which storage service below is best for serving images or documents directly to a browser, and for streaming video and audio?

- a) Azure Blob Storage
- b) Azure File Storage
- c) Virtual Machine Disks
- d) Queue Storage

Q749: A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of:

- a) Infrastructure as a Service (IaaS)
- b) Platform as a service (PaaS)
- c) Software as a service (SaaS)

Q750: You need to collect and automatically analyze security events from Azure Active Directory (Azure AD). What should you use?

- a) Azure Synapse Analytics
- b) Azure AD Connect
- c) Azure Key Vault
- d) Azure Sentinel

Q750: You need to collect data from Active Directory (AD). What should you use?

- a) Azure Synapse Analytics
- b) Azure AD Connect
- c) Azure Key Vault
- d) Azure Sentinel

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Concluding the series



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Questions!

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- Part 39 24th July 2023
- Part 40 27th July 2023

Part 40 will be the last episode, but real interesting one.

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