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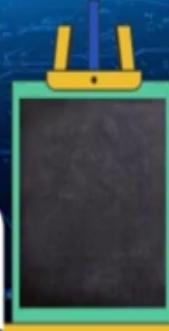
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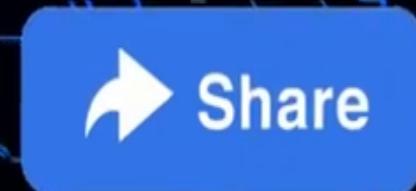
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Q641: A company wants to implement an IoT solution service available in Microsoft Azure.

Which of the following would meet the below requirement?

“Monitor and control millions of Internet of Things (IoT) assets”.

- a) IoT Hub
- b) IoT Central
- c) IoT Edge
- d) Azure Time Series Insights

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Because an IoT Hub is a managed service, hosted in the cloud, that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages.

You can use Azure IoT Hub to build IoT solutions with reliable and secure communications between millions of IoT devices and a cloud-hosted solution back end. You can connect virtually any device to IoT Hub.

Q642: A company wants to implement an IoT solution service available in Microsoft Azure.

Which of the following would meet the below requirement?

"Used to analyze data on end user devices".

- a) IoT Hub
- b) IoT Central
- c) IoT Edge
- d) Azure Time Series Insights

Version

IoT Edge 1.4 (LTS)

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What is Azure IoT Edge

Article • 02/01/2023 • 8 contributors

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Azure IoT Edge is a device-focused runtime that enables you to deploy, run, and monitor containerized Linux workloads.

Analytics drives business value in IoT solutions, but not all analytics need to be in the cloud. Azure IoT Edge helps you bring the analytical power of the cloud closer to your devices to drive better business insights and enable offline decision making. For example, you can run anomaly detection workloads at the edge to respond as quickly as possible to emergencies happening on a production line. If you want to

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Azure IoT Edge is a feature of [Azure IoT Hub](#) and enables you to scale out and manage an IoT solution from the cloud. By packaging your business logic into standard containers and using optional pre-built [IoT Edge modules from the Azure Marketplace](#) you can easily compose, deploy, and maintain your solution.

Azure IoT Edge is made up of three components:

- **IoT Edge modules** are containers that run Azure services, third-party services, or your own code. Modules are deployed to IoT Edge devices and execute locally on those devices.
- The **IoT Edge runtime** runs on each IoT Edge device and manages the modules deployed to each device.

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- A **cloud-based interface** enables you to remotely monitor and manage IoT Edge devices.

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① Note

Azure IoT Edge is available in the free and standard tier of IoT Hub. The free tier is for testing and evaluation only. For more information about the basic and standard tiers, see [How to choose the right IoT Hub tier](#).

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Q643: A company wants to implement an IoT solution service available in Microsoft Azure.

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Which one of the following would meet the below requirement?

Cer

"Provide a fully managed aPaaS (application platform as a service) solution that makes it easy to connect, monitor, and manage IoT assets at scale".

the

- a) IoT Hub
- b) IoT Central
- c) IoT Edge
- d) Azure Time Series Insights

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IoT Central is an IoT application platform as a service (aPaaS) that reduces the burden and cost of developing, managing, and maintaining IoT solutions. Use IoT Central to quickly evaluate your IoT scenario and assess the opportunities it can create for your business. IoT Central streamlines the development of a complex and continually

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The web UI lets you quickly connect devices, monitor device conditions, create rules, and manage devices and their data throughout their life cycle. Furthermore, it enables you to act on device insights by extending IoT intelligence into line-of-business applications. Once you've used IoT Central to evaluate your IoT scenario, you can then build your enterprise ready solutions by using the power of Azure IoT

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Q644: A company wants to implement an IoT solution service available in Microsoft Azure.

Which of the following would meet the below requirement?

"Helps provide powerful data exploration and telemetry tools to help refine operational analysis".

- a) IoT Hub
- b) IoT Central
- c) IoT Edge
- d) Azure Time Series Insights

Q644: A company wants to implement an IoT solution service available in Microsoft Azure.

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Azure Time Series Insights Gen1 Explorer

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Note

The Time Series Insights (TSI) service will no longer be supported after March 2025. Consider migrating existing TSI environments to

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alternative solutions as soon as possible. For more information on the deprecation and migration, visit our documentation.

✖ Caution

This is a Gen1 article.

[Gen2 use cases - Azure Time Series Insights Gen2](#)

Learn about Azure Time Series Insights Gen2 use cases.

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This article describes the features and options for the Azure Time Series Insights Gen1 [Explorer web app](#). The Azure Time Series Insights Explorer demonstrates the powerful data visualization capabilities provided by the service and can be accessed within your own environment.

Azure Time Series Insights is a fully managed analytics, storage, and visualization service that makes it simple to explore and analyze billions of IoT events simultaneously. It gives you a global view of your data, which lets you quickly validate your IoT solution and avoid costly downtime to mission-critical devices. You can discover hidden trends, spot anomalies, and conduct root-cause analyses in near real time.

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Q645: A company is planning on hosting 2 Virtual Machines in Azure as shown below:

| Virtual Machine Name | Virtual Machine Size |
|----------------------|----------------------|
| demo-vm-1 | B1S |
| demo-vm-2 | B1S |

When the virtual machine demo-vm-1 is stopped, you will still incur costs for the storage attached to the Virtual Machine?

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Yes No



Q64

Company is planning on hosting 2 Virtual Machines in Azure as shown below:

| Virtual Machine Name | Virtual Machine Size |
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| demo-vm-2 | B1S |

When a virtual machine demo-vm-1 is stopped, you will still incur costs for the storage attached to the virtual machine?

Yes

No

ause Azure continues to charge for the VM core hours while it is Stopped but Deallocated, based on the size of the VM and the image you selected to create you continue to accrue charges for the VM's cloud service and the storage needed for the VM's OS disk and any attached data disks. Temporary (scratch) storage on the VM is free.

Very important concept!

Q646: What is the function of a Site-to-Site VPN?

- a) provides a secure connection between a computer on a public network and the corporate network
- b) provides a dedicated private connection to Azure that does NOT travel over the internet
- c) provides a connection from an on-premises VPN device to an Azure VPN gateway

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https://learn.microsoft.com/en-us/azure/vpn-gateway/tutorial-site-to-site-portal

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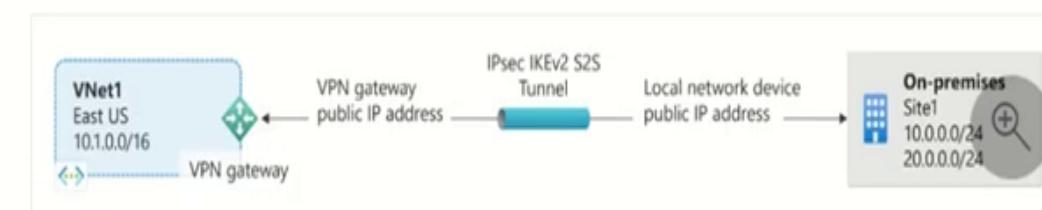
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This tutorial shows you how to use the Azure portal to create a site-to-site VPN gateway connection between your on-premises network and a virtual network (VNet). You can also create this configuration using [Azure PowerShell](#) or [Azure CLI](#).



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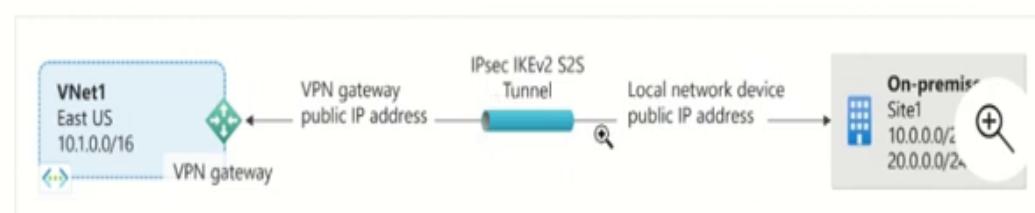
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In this tutorial, you learn how to:

- ✓ Create a virtual network
- ✓ Create a VPN gateway
- ✓ Create a local network gateway
- ✓ Create a VPN connection
- ✓ Verify the connection
- ✓ Connect to a virtual machine

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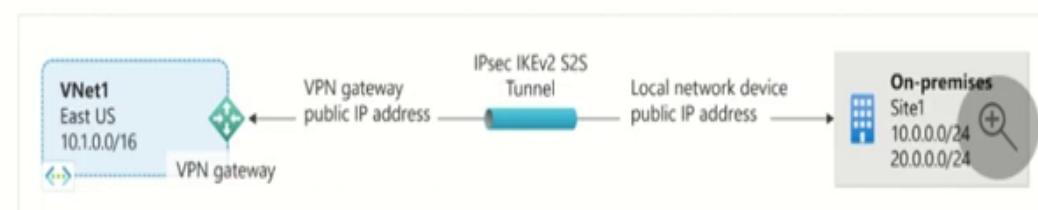
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In this tutorial, you learn how to:

- ✓ Create a virtual network
- ✓ Create a VPN gateway
- ✓ Create a local network gateway
- ✓ Create a VPN [connection](#)
- ✓ Verify the connection
- ✓ Connect to a virtual machine

VPN Gateway

In this tutorial, learn how to create and manage an Azure VPN gateway using the Azure portal.

About Azure VPN Gateway

Learn what VPN Gateway is, and how to use a VPN gateway to connect to IPsec IKE Site-to-Site,...

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Prerequisites

- An Azure account with an active subscription. If you don't have one, [create one for free](#).
- Make sure you have a compatible VPN device and someone who is able to configure it. For more information about compatible

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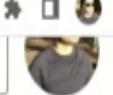
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- ✓ Create a VPN gateway
- ✓ Create a local network gateway
- ✓ Create a VPN **connection**
- ✓ Verify the connection
- ✓ Connect to a virtual machine

Prerequisites

- An Azure account with an active subscription. If you don't have one, [create one for free ↗](#).
- Make sure you have a compatible VPN device and someone who is able to configure it. For more information about compatible VPN devices and device configuration, see [About VPN Devices](#).
- Verify that you have an externally facing public IPv4 address for your VPN device.
- If you're unfamiliar with the IP address ranges located in your on-premises network configuration, you need to coordinate with someone who can provide those details for you. When you create this configuration, you must specify the IP address range prefixes that Azure will route to your on-premises location. None of the subnets of your on-premises network can overlap with the virtual



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Article • 04/11/2023 • 3 contributors

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Q647: Which VPN is implied by 'provides a dedicated private connection to Azure that does NOT travel over the internet'?

- a) Site to Site VPN
- b) Point to Site VPN
- c) ExpressRoute
- d) VNET

Q647: Which VPN is implied by “provides a dedicated private connection to Azure that does NOT travel over the internet”?

- a) Site to Site VPN
- b) Point to Site VPN
- c) ExpressRoute
- d) VNET

Q648: Which VPN is implied by “provides a secure connection between a computer on a public network and the corporate network”?

- a) Site to Site VPN
- b) Point to Site VPN
- c) ExpressRoute
- d) VNET

Q649: A company is planning to host an application on a set of Virtual Machines in Azure. They want to ensure that the application recovers from a region-wide failure in Azure. Which of the following concept needs to be considered to fulfil this requirement?

- a) Scalability
- b) Disaster Recovery.
- c) Agility
- d) Elasticity

Q650: An IT Engineer needs to create a Virtual Machine in Azure. Currently, the IT Engineer has a Windows desktop along with the Azure Command Line Interface (CLI).

Which of the following would allow the IT engineer to use the Azure Command Line Interface?

Choose 2 answers from the options given below?

- a) PowerShell
- b) File and Print Explorer
- c) Command Prompt
- d) Control Panel

'tit

Q651: A company is planning to set up a solution in Azure. The solution would have the following key requirement. Gives the ability to host a big data analysis service for machine learning.

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

- a) Azure Databricks
- b) Azure Logic Apps
- c) Azure App Service
- d) Azure Application Insights

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What is Azure Databricks?

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Azure Databricks is a unified set of tools for building, deploying, sharing, and maintaining enterprise-grade data solutions at scale. The Azure Databricks Lakehouse Platform integrates with cloud storage and security in your cloud account, and manages and deploys cloud infrastructure [on your behalf.](#)

What is Azure Databricks used for?

Our customers use Azure Databricks to process, store, clean, share, analyze, model, and monetize their datasets with solutions from BI to machine learning. Use the Azure Databricks platform to build and deploy data engineering workflows, machine learning models, analytics dashboards, and more.

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Managed integration with open source

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The Azure Databricks workspace provides a unified interface and tools for most data tasks, including:

- Data processing workflows scheduling and management
- Working in SQL
- Generating dashboards and visualizations
- Data ingestion

Q652: A company is planning on setting up a solution in Microsoft Azure. The solution would have the following key requirement:

- An Integration solution for the deployment of code

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

- a) Azure Advisor
- b) Azure Cognitive Services
- c) Azure Application Insights
- d) Azure DevOps

Q653: A company is currently planning to deploy resources to Azure. They want to have the ability to manage user access to resources across multiple subscriptions.

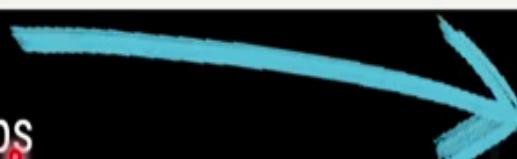
Which of the following can help you achieve this requirement?

- a) Resource Groups
- b) Management Groups
- c) Azure Policies
- d) Azure App Service

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Learn more on "Azure Resource Groups" in this video

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Q654: A company is planning on hosting solutions on within Microsoft Azure Cloud. They need to implement MFA for identities hosted within Microsoft Azure.

Is it necessary to deploy a federation solution or sync on-premise identities to the cloud?

Yes

No 

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In any environment, whether on-premises, hybrid, or cloud-only, IT needs to control which administrators, users, and groups have access to resources. Identity and access management (IAM) services enable

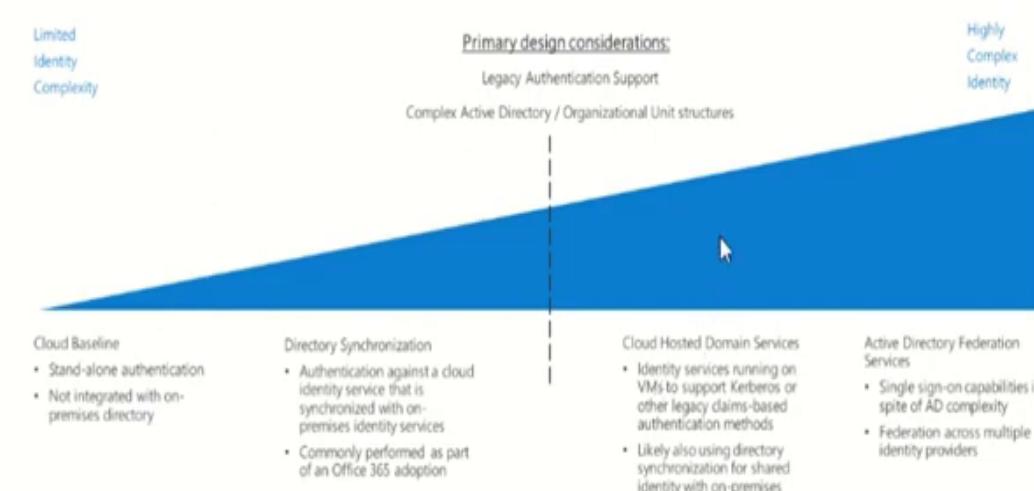
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Identity decision guide

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In any environment, whether on-premises, hybrid, or cloud-only, IT needs to control which administrators, users, and groups have access to resources. Identity and access management (IAM) services enable you to manage access control in the cloud.



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deployments. Revisit your identity strategy in every iteration of your migration process.

Determine identity integration requirements

| Question | Cloud baseline | Directory synchronization | Cloud-hosted domain services | Active Directory Federation Services |
|---|----------------|---------------------------|------------------------------|--------------------------------------|
| Do you currently lack an on-premises directory service? | Yes | No | No | No |
| Do your workloads need to use a common set of users and groups between the cloud and on-premises environment? | No | Yes | No | No |

Determine identity integration requirements

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| Question | Cloud baseline | Directory synchronization | Cloud-hosted domain services | Active Directory Federation Services |
|---|----------------|---------------------------|------------------------------|--------------------------------------|
| Do you currently lack an on-premises directory service? | Yes | No | No | No |
| Do your workloads need to use a common set of users and groups between the cloud and on-premises environment? | No | Yes | No | No |
| Do your workloads depend on legacy authentication mechanisms, such as Kerberos or | No | No | Yes | Yes |

Q654: A company is planning on hosting solutions on within Microsoft Azure Cloud. They need to implement MFA for identities hosted within Microsoft Azure.

Is it necessary to deploy a federation solution or sync on-premise identities to the cloud?

[Yes No]

Q655: A company is planning to set up a solution in Azure. The solution would have the following key requirement. Provide a cloud service that helps to transform data and provide valuable insights on the data itself.

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

- a) Azure Data Lake Analytics
- b) Azure Virtual Machine Scale Sets
- c) Azure Virtual Network
- d) Azure App Service

Q656: A company wants to host a set of tables in Microsoft Azure. They want absolutely zero administration of the underlying infrastructure and low latency access to data.

You recommend using the Azure App service.

Would this meet the requirement?

Yes

No

Because an Azure App Service enables you to build and host web apps, mobile back ends, and RESTful APIs in the programming language of your choice without managing infrastructure.



Q657: A company wants to host a set of tables in Microsoft Azure. They want absolutely zero administration of the underlying infrastructure and low latency access to data.

You recommend using the SQL Database service.

Would this meet the requirement?

Yes

No

Even though this is a platform as a service, Microsoft handles all patching and updating of the SQL and operating system code.





Q658: A company wants to host a set of tables in Microsoft Azure. They want absolutely zero administration of the underlying infrastructure and low latency access to data.

You recommend using the Cosmos DB service.

Would this meet the requirement?

Yes

No

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You recommend using the Cosmos DB service.

Would this meet the requirement?

Yes

No

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.

Q659: A company has a Virtual Machine created in their subscription. An application is installed on the Virtual Machine. You need to ensure that traffic can flow into the Virtual Machine on port 8080.

Which of the following must you modify to make this work?

- a) Network Interface Card
- b) Network Security Group
- c) Route Tables
- d) Route Filters

Q660: A company is planning on hosting a set of resources in Microsoft Azure. They want to protect their resources against DDoS attacks and also get real time attack metrics.

Which of the following should the company select to meet this requirement?

- a) DDoS Protection Basic
- b) DDoS Protection Standard
- c) DDoS Protection Premium
- d) DDoS Protection Isolated

DDoS Standard Protection provides additional mitigation capabilities over the Basic service tier.

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- c) DDoS Protection Premium
- d) DDoS Protection Isolated

DDoS Standard Protection provides additional mitigation capabilities over the Basic service tier that are tuned specifically to Azure Virtual Network resources. DDoS Protection Standard is simple to enable, and requires no application changes.