Exam

AZ-900

Microsoft Azure Fundamentals

Free demo	40 sample questions
Full exam	484 questions with answers and explanations
Contents	Questions with answers and explanations

Exam domains

Domain	Exam weight	Questions
D1 Describe cloud concepts	25–30%	9
D2 Describe Azure architecture and services	35–40%	17
D3 Describe Azure management and governance	30–35%	14

This is a free demo from Dumpsgate: 40 of the exam's 484 questions. **Get the full AZ-900 exam** with every question, answer and explanation.

Question 1

Single choice · Domain: D1 Describe cloud concepts › Describe cloud service types

Microsoft 365 is an example of which cloud service model?

A. infrastructure as a service (IaaS)
B. platform as a service (PaaS)
C. software as a service (SaaS)

Answer: C. software as a service (SaaS)

Explanation

Microsoft 365 is delivered as a set of hosted applications and services that customers access through a subscription, so it is an example of software as a service (SaaS). The provider operates the underlying cloud service rather than customers provisioning the infrastructure or platform themselves.

https://learn.microsoft.com/en-us/microsoft-365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings?view=o365-worldwide
https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/

✗ **A** infrastructure as a service (IaaS)
IaaS provides cloud computing infrastructure, such as virtual machines, for customers to manage and use. Microsoft 365 provides finished applications and services, not infrastructure for customers to build on.

https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/

✗ **B** platform as a service (PaaS)
PaaS provides a managed platform for developing and running applications. Microsoft 365 is a collection of ready-to-use hosted applications and services, rather than a platform primarily for building applications.

https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/

✓ **C** software as a service (SaaS)
Microsoft 365 applications and services are hosted by Microsoft and made available to customers through subscriptions. This is the SaaS model: customers use the software without managing the underlying cloud infrastructure.

https://learn.microsoft.com/en-us/microsoft-365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings?view=o365-worldwide
https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/

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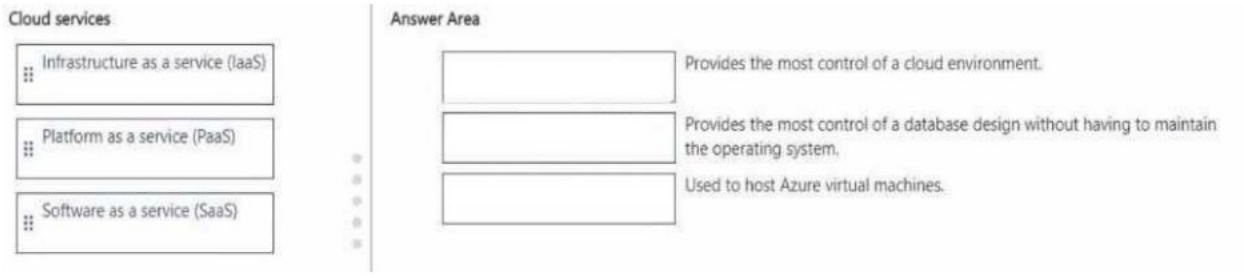
Question 2

Drag and drop · Domain: D1 Describe cloud concepts › Describe cloud service types

Match the cloud service to the appropriate description.

To answer, drag the appropriate cloud service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.



Items:

- A. Cloud services
- B. Infrastructure asa service(IaaS)
- C. Platfomm asa service (PaaS)
- D. Software asa service(SaaS)

Place them on:

1. Provides the most control of a cloud environment
2. Provides the most control ofa database design without having to maintain the operating system,
3. Used to host Azure virtual machines.

Answer

- Provides the most control of a cloud environment → **B. Infrastructure asa service(IaaS)**
- Provides the most control ofa database design without having to maintain the operating system, → **C. Platfomm asa service (PaaS)**
- Used to host Azure virtual machines. → **B. Infrastructure asa service(IaaS)**

Explanation

IaaS is the correct match for both the description requiring the most control of the cloud environment and the one about hosting Azure virtual machines. PaaS fits the database requirement because it lets you work with the database without maintaining its operating system. SaaS is not needed for any of the three descriptions. [1][2][3][5]

https://learn.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview?view=azuresql
https://learn.microsoft.com/en-us/azure/security/fundamentals/iaas
https://learn.microsoft.com/en-us/azure/architecture/virtual-machines/baseline
https://learn.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview?view=azuresql&wt.mc_id=AZ-MVP-4032167

✗ **Cloud services** Cloud services
This is the heading for the list, not a cloud service choice to drag into an answer area. The matches use the three service models listed beneath it.

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✓ **Infrastructure asa service(IaaS)** Infrastructure as a service (IaaS)
IaaS provides the most control of the cloud environment among these service models, so it matches the first description. Azure virtual machines are also hosted using IaaS, so it matches the third description as well. [2][3]

https://learn.microsoft.com/en-us/azure/security/fundamentals/iaas
https://learn.microsoft.com/en-us/azure/architecture/virtual-machines/baseline

✓ **Platfomm asa service (PaaS)** Platform as a service (PaaS)
PaaS is the match for the database description: it allows control over the database design without requiring you to maintain the operating system. [1][5]

https://learn.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview?view=azuresql
https://learn.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview?view=azuresql&wt.mc_id=AZ-MVP-4032167

✗ **Software asa service(SaaS)** Software as a service (SaaS)
SaaS is not the correct match for any of these descriptions. The first and third explicitly match IaaS, and the database requirement matches PaaS.

Question 3

Single choice · Domain: D1 Describe cloud concepts › Describe cloud service types

You need to migrate an on-premises server by using a lift-and-shift migration, lo which type of cloud service should you migrate?

A. infrastructure as a service (laaS)
B. software as a service (SaaS)
C. platform as a service (PaaS)

Answer: A. infrastructure as a service (laaS)

Explanation

A lift-and-shift migration moves an existing on-premises server to the cloud with minimal changes. Infrastructure as a service (IaaS) provides cloud infrastructure on which you can run that server while retaining control of its operating system and applications. Therefore, IaaS best fits the migration requirement.

https://learn.microsoft.com/en-us/azure/migration/migrate-from-on-premises-fundamentals
https://learn.microsoft.com/en-us/azure/networking/design-guide/lift-and-shift
https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/?trk=public_profile_see-credential

✓ **A** infrastructure as a service (laaS)
IaaS lets you migrate the server's computing infrastructure to the cloud and continue running its existing operating system and applications. That makes it the suitable service type for a lift-and-shift migration with minimal changes.

https://learn.microsoft.com/en-us/azure/migration/migrate-from-on-premises-fundamentals
https://learn.microsoft.com/en-us/azure/networking/design-guide/lift-and-shift
https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/?trk=public_profile_see-credential

✗ **B** software as a service (SaaS)
SaaS provides a complete, provider-managed software application rather than infrastructure for hosting the existing server. Migrating the server itself would not be a SaaS migration.

https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/?trk=public_profile_see-credential

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✗ **C** platform as a service (PaaS)
PaaS provides a managed application platform, so the provider manages more of the underlying environment than in a lift-and-shift server migration. Moving an existing server to PaaS would generally require adapting or redeploying its application rather than simply moving the server with minimal changes.

https://learn.microsoft.com/en-us/azure/migration/migrate-from-on-premises-fundamentals
https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/?trk=public_profile_see-credential

Question 4

Single choice · Domain: D1 Describe cloud concepts › Describe cloud computing

Which Azure service is an example of serverless computing?

A. Azure dedicated hosts
B. Azure Virtual Machines
C. Azure Functions
D. Azure storage account

Answer: C. Azure Functions

Explanation

Azure Functions is the serverless computing choice because it runs code in response to events without requiring you to provision or manage virtual machines. Azure manages the underlying compute infrastructure, letting you focus on the function code. The other options are dedicated hosting, virtual machines, or a storage resource rather than a serverless compute service.

https://learn.microsoft.com/en-us/azure/azure-functions/
https://learn.microsoft.com/en-us/azure/virtual-machines/dedicated-hosts
https://learn.microsoft.com/en-us/azure/virtual-machines/overview
https://learn.microsoft.com/en-us/azure/storage/common/storage-account-overview?WT.mc_id=AZ-MVP-5004810

✗ **A** Azure dedicated hosts
Azure dedicated hosts provide physical servers dedicated to an organization's virtual machines. They are a hosting option for VMs, not serverless computing.

https://learn.microsoft.com/en-us/azure/virtual-machines/dedicated-hosts

✗ **B** Azure Virtual Machines
Azure Virtual Machines provide compute through virtualized servers that you provision and manage. That is not the serverless model offered by Azure Functions.

https://learn.microsoft.com/en-us/azure/virtual-machines/overview

✓ **C** Azure Functions
Azure Functions is Azure's serverless compute service: it runs code in response to triggers without requiring you to manage the underlying servers. This makes it the correct choice.

https://learn.microsoft.com/en-us/azure/azure-functions/

✗ **D** Azure storage account
An Azure storage account provides storage services for data; it is not a serverless compute service for running application code. Azure Functions is the listed option designed for serverless execution.

https://learn.microsoft.com/en-us/azure/storage/common/storage-account-overview?WT.mc_id=AZ-MVP-5004810
https://learn.microsoft.com/en-us/azure/storage/common/storage-introduction

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https://learn.microsoft.com/en-us/azure/azure-functions/

Question 5

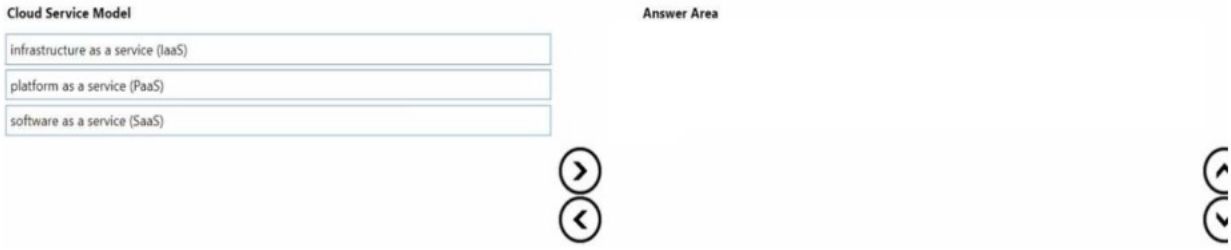
Drag and drop · Domain: D1 Describe cloud concepts › Describe cloud service types

You need to identify a customer's level of shared responsibility based on the cloud service model.

In which order should you list each model from most customer responsibility (top) to least customer responsibility (bottom)? To answer, move all models from the list of models to the answer area and arrange them in the correct order.

Cloud Service Model:

- infrastructure as a service (IaaS)
- platform as a service (PaaS)
- software as a service (SaaS)



Items:

- A. infrastructure as a service (IaaS)
- B. platform as a service (PaaS)
- C. software as a service (SaaS)

Place them on:

1. Step 1
2. Step 2
3. Step 3

Answer

- Step 1 → **A. infrastructure as a service (IaaS)**
- Step 2 → **B. platform as a service (PaaS)**
- Step 3 → **C. software as a service (SaaS)**

Explanation

The models should be ordered from IaaS to PaaS to SaaS. In IaaS, the customer retains the most responsibility for managing the environment; PaaS shifts additional management to the provider; and SaaS leaves the provider responsible for the largest share. This matches the requested order from most customer responsibility to least customer responsibility.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

✓ **Step 1: infrastructure as a service (IaaS)** infrastructure as a service (IaaS)

IaaS belongs at the top because the customer is responsible for more of the cloud environment than in PaaS or SaaS, including managing the operating system and applications. It therefore represents the greatest customer responsibility of these three models.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

✓ **Step 2: platform as a service (PaaS)** platform as a service (PaaS)
PaaS belongs after IaaS because the provider manages more of the underlying platform, reducing the customer's responsibilities. The customer still manages their applications and data, so PaaS has more customer responsibility than SaaS.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

✓ **Step 3: software as a service (SaaS)** software as a service (SaaS)
SaaS belongs at the bottom because the provider manages the application and most of the underlying service. Of the three models, it leaves the customer with the least responsibility.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

Question 6

Yes / No · Domain: D1 Describe cloud concepts › Describe cloud service types

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
Microsoft SQL Server2019installed on an Azure virtual machine is an example of platform as a service(PaaS).	☐	☐
Azure SQL Database is an example of platform as a service (PaaS).	☐	☐
AzureCosmosDBisan example of software as a service(SaaS).	☐	☐

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Answer

- Microsoft SQL Server2019installed on an Azure virtual machine is an example of platform as a service(PaaS). **No**
- Azure SQL Database is an example of platform as a service (PaaS). **Yes**
- AzureCosmosDBisan example of software as a service(SaaS). **No**

Explanation

SQL Server 2019 installed on an Azure virtual machine is not PaaS because you manage the virtual machine and the SQL Server installation; it is an infrastructure-based deployment. Azure SQL Database is a PaaS service, with Azure managing the underlying platform. Azure Cosmos DB is a managed database service, not SaaS, so the statements should be answered No, Yes, and No.

https://learn.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview?view=azuresql
https://learn.microsoft.com/en-us/azure/azure-sql/virtual-machines/windows/frequently-asked-questions-faq?view=azuresql-vm
https://learn.microsoft.com/en-us/azure/azure-sql/virtual-machines/?view=azuresql
https://learn.microsoft.com/cosmos-db/overview

✗ **Statement 1** Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service (PaaS).

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This statement is false. With SQL Server installed on an Azure virtual machine, you manage the VM and the SQL Server software rather than using Azure SQL Database's managed PaaS platform.

https://learn.microsoft.com/en-us/azure/azure-sql/virtual-machines/windows/frequently-asked-questions-faq?view=azuresql-vm
https://learn.microsoft.com/en-us/azure/azure-sql/virtual-machines/?view=azuresql

✓ **Statement 2** Azure SQL Database is an example of platform as a service (PaaS).
This statement is true. Azure SQL Database is a PaaS database service, so Azure manages the underlying infrastructure and platform for the database.

https://learn.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview?view=azuresql

✗ **Statement 3** Azure Cosmos DB is an example of software as a service (SaaS).
This statement is false. Azure Cosmos DB is a managed database service, not an end-user software application delivered as SaaS.

https://learn.microsoft.com/en-us/azure/cosmos-db/account-overview
https://learn.microsoft.com/cosmos-db/overview

Question 7

Hotspot (dropdowns) · Domain: D1 Describe cloud concepts › Describe cloud computing

Select the answer that correctly completes the sentence.

An Azure web app that queries an on-premises Microsoft SQL server is an example of a [Blank] cloud.

An Azure web app that queries an on-premises Microsoft SQL server is an example of a [Blank] cloud.: hybrid | multi-vendor | private | public

Answer

- An Azure web app that queries an on-premises Microsoft SQL server is an example of a [Blank] cloud.: **hybrid**

Explanation

The Azure web app runs in the cloud, while the SQL Server it queries remains on-premises. Because the solution connects cloud resources with on-premises infrastructure, it is a hybrid cloud scenario. [3, 10]

https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/hybrid-considerations
https://learn.microsoft.com/en-us/azure/architecture/example-scenario/hybrid/hybrid-cross-cloud-scale-on-premises-data?source=recommendations

✓ **Box 1: hybrid** hybrid
The web app is hosted in Azure, but it accesses a SQL Server that remains on-premises. Combining cloud services with on-premises infrastructure is a hybrid cloud arrangement. [3, 10]

https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/hybrid-considerations
https://learn.microsoft.com/en-us/azure/architecture/example-scenario/hybrid/hybrid-cross-cloud-scale-on-premises-

data?source=recommendations

✗ **Box 1: multi-vendor** multi-vendor
The scenario does not describe using services from multiple cloud providers. It describes an Azure web app connecting to an on-premises SQL Server, which makes the arrangement hybrid. [3]

https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/hybrid-considerations

✗ **Box 1: private** private
A private cloud refers to cloud infrastructure dedicated to an organization, not simply a server located on-premises. The scenario combines an Azure app with on-premises infrastructure, so hybrid is the fitting choice. [3]

https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/hybrid-considerations

✗ **Box 1: public** public
The Azure web app uses a public cloud service, but the complete scenario also includes an on-premises SQL Server that the app queries. The combination of cloud and on-premises resources makes the overall arrangement hybrid rather than solely public. [3, 10]

https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/hybrid-considerations
https://learn.microsoft.com/en-us/azure/architecture/example-scenario/hybrid/hybrid-cross-cloud-scale-on-premises-data?source=recommendations

Question 8

Multiple choice · Domain: D1 Describe cloud concepts › Describe cloud computing

In the infrastructure as a service (IaaS) cloud service model, which two components are the responsibility of the cloud service provider? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. the configuration and maintenance of storage
B. the installation and configuration of the operating system
C. maintaining the hardware
D. the network configuration
E. physical security of the datacenter infrastructure

Answer

- C. **maintaining the hardware**
- E. **physical security of the datacenter infrastructure**

Explanation

In IaaS, the provider manages the underlying cloud infrastructure, including the hardware and physical datacenter security. The customer is responsible for configuring and maintaining the services and software deployed on that infrastructure, such as the operating system, storage, and virtual network settings. Therefore, the provider-responsibility choices are maintaining the hardware and physical security of the datacenter infrastructure.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

✗ **A** the configuration and maintenance of storage
In IaaS, the customer generally configures and manages the storage they use, including settings and the data stored there. The provider maintains the underlying physical storage infrastructure, but that is not

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what this option describes.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

✗ **B** the installation and configuration of the operating system
The customer is responsible for installing, configuring, and maintaining the operating system on an IaaS virtual machine. The provider supplies the underlying infrastructure on which that machine runs.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

✓ **C** maintaining the hardware
The cloud provider maintains the physical hardware that supports its IaaS services, such as servers and other underlying infrastructure. Customers use that infrastructure without maintaining the provider's physical equipment.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

✗ **D** the network configuration
The customer configures their cloud network settings, such as the virtual network and related controls. The provider is responsible for the underlying physical network infrastructure, not the customer's network configuration.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

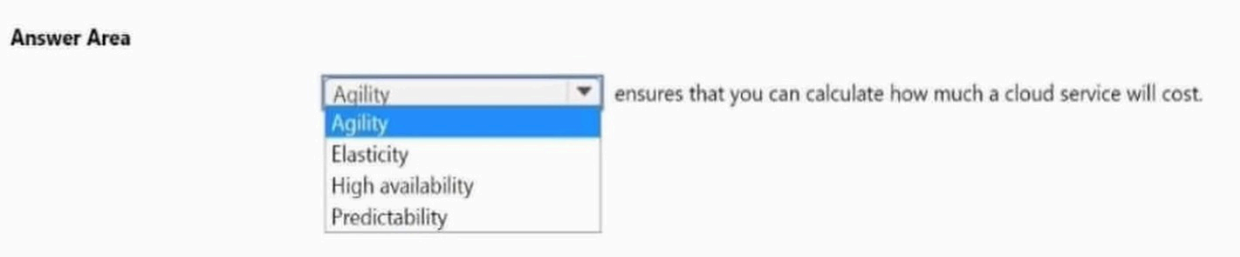
✓ **E** physical security of the datacenter infrastructure
Physical security of the datacenter is part of the provider's responsibility for the underlying cloud infrastructure. Customers are responsible for their own workloads and configurations, not the physical protection of the provider's facilities.

https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility/

Question 9

Hotspot (dropdowns) · Domain: D1 Describe cloud concepts › Describe the benefits of using cloud services

Select the answer that correctly completes the sentence.



[Blank] ensures thatyou can calculatehowmucha cloudservicewill cost.: Aqility | Agility | Elasticity | High availability | Predictability

Answer

- [Blank] ensures thatyou can calculatehowmucha cloudservicewill cost.: **Predictability**

Explanation

Predictability ensures that you can estimate and calculate how much a cloud service will cost. It helps you forecast expenses based on expected usage. The other choices describe different cloud characteristics, such as adapting to change or maintaining service availability.

✗ **Box 1: Aqility** Aqility
"Aqility" is not the cloud characteristic that describes estimating service costs. It appears to be a misspelling of "Agility," which concerns adapting quickly to change.

✗ **Box 1: Agility** Agility
Agility describes the ability to respond or adapt quickly to changing needs. It does not specifically ensure that you can calculate how much a cloud service will cost.

✗ **Box 1: Elasticity** Elasticity
Elasticity refers to scaling resources up or down as demand changes. Although resource usage can affect costs, elasticity itself is not the characteristic that describes forecasting or calculating those costs.

✗ **Box 1: High availability** High availability
High availability is about keeping a service accessible and operational. It does not describe calculating the service's cost.

✓ **Box 1: Predictability** Predictability
Predictability is the cloud characteristic that helps you forecast and calculate how much a service will cost. It directly completes the sentence's focus on estimating cloud-service expenses.

Question 10

Single choice · Domain: D2 Describe Azure architecture and services › Describe Azure storage services

How many copies of data are maintained by an Azure Storage account that uses geo-redundant storage (GRS)?

A. 3
B. 4
C. 6
D. 9

Answer: C. 6

Explanation

Azure geo-redundant storage (GRS) maintains six copies of data in total. It keeps three copies in the primary region using locally redundant storage and asynchronously replicates the data to a secondary region, where three more copies are maintained. Therefore, the correct choice is 6.

https://learn.microsoft.com/azure/storage/common/storage-redundancy

✗ **A** 3
Three copies describes the locally redundant copies maintained in one region, not the total for GRS. GRS also keeps three copies in a secondary region, for six copies altogether.

https://learn.microsoft.com/azure/storage/common/storage-redundancy

✗ **B** 4
GRS does not add just one copy in the secondary region. It maintains three copies in the primary region and three in the secondary region, totaling six.

https://learn.microsoft.com/azure/storage/common/storage-redundancy

✓ **C** 6
GRS maintains three copies in the primary region and asynchronously replicates the data to a secondary region with three additional copies. That makes six copies total.

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https://learn.microsoft.com/azure/storage/common/storage-redundancy

✗ **D** 9
Nine copies would imply three sets of three copies, but GRS uses two regions: three copies in the primary and three in the secondary. The total is six.

https://learn.microsoft.com/azure/storage/common/storage-redundancy

Question 11

Single choice · Domain: D2 Describe Azure architecture and services › Describe Azure compute and networking services

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 connection from an on-premises VPN device to an Azure VPN gateway
C. provides a dedicated private connection to Azure that does NOT travel over the internet

Answer: B. provides a connection from an on-premises VPN device to an Azure VPN gateway

Explanation

A Site-to-Site VPN connects an on-premises VPN device to an Azure VPN gateway, enabling communication between the on-premises network and an Azure virtual network. The connection uses a VPN tunnel over the internet, rather than a dedicated private connection. Therefore, option B describes a Site-to-Site VPN; option C describes ExpressRoute, while option A describes an individual user's remote-access connection.

https://learn.microsoft.com/en-us/azure/vpn-gateway/design?source=recommendations
https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways
https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction?azure-portal=true

✗ **A** provides a secure connection between a computer on a public network and the corporate network
This describes a user connecting remotely from an individual computer, rather than connecting two networks through their VPN devices. A Site-to-Site VPN links an on-premises network to an Azure virtual network.

https://learn.microsoft.com/en-us/azure/vpn-gateway/design?source=recommendations
https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways

✓ **B** provides a connection from an on-premises VPN device to an Azure VPN gateway
A Site-to-Site VPN establishes a VPN tunnel between the on-premises VPN device and the Azure VPN gateway. This is the network-to-network connection described by the option.

https://learn.microsoft.com/en-us/azure/vpn-gateway/design?source=recommendations
https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways
https://learn.microsoft.com/en-us/azure/vpn-gateway/tutorial-site-to-site-portal?WT.mc_id=AZ-MVP-5004796

✗ **C** provides a dedicated private connection to Azure that does NOT travel over the internet
This describes Azure ExpressRoute, which provides a private connection that does not traverse the public internet. A Site-to-Site VPN uses a VPN tunnel over the internet instead.

https://learn.microsoft.com/en-us/azure/expressroute/secure-expressroute?source=recommendations
https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction?azure-portal=true
https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways

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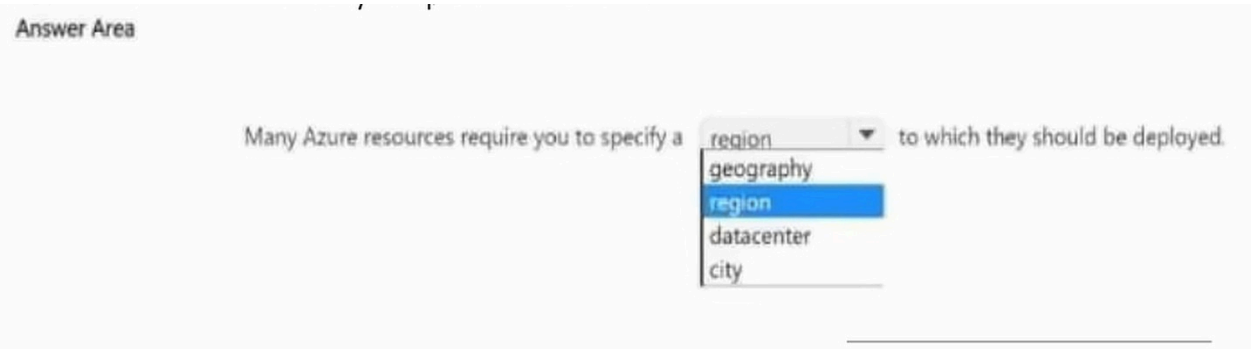
Question 12

Hotspot (dropdowns) · Domain: D2 Describe Azure architecture and services › Describe the core architectural components of Azure

Select the answer that correctly completes the sentence.



Box 1: geography | region | datacenter | city

Answer

- Box 1: **region**

Explanation

Many Azure resources must be assigned to an Azure region when they are deployed. A region is the appropriate deployment location; geography is a broader grouping, while a datacenter and a city are not the location choice described by the sentence. [1]

https://learn.microsoft.com/en-gb/azure/reliability/regions-overview

✗ **Box 1: geography** geography
A geography is a broader area that can contain one or more Azure regions. The sentence asks for the specific location to which a resource is deployed, so geography is not the best fit. [1]

https://learn.microsoft.com/en-gb/azure/reliability/regions-overview

✓ **Box 1: region** region
An Azure region is the deployment location that many Azure resources require you to specify. It completes the sentence by naming the location where the resource should be deployed. [1]

https://learn.microsoft.com/en-gb/azure/reliability/regions-overview

✗ **Box 1: datacenter** datacenter
A datacenter is physical infrastructure that may be part of an Azure region, rather than the deployment location customers select in this sentence. Azure resource deployment is specified by region. [1]

https://learn.microsoft.com/en-gb/azure/reliability/regions-overview

✗ **Box 1: city** city
A city is not the Azure deployment-location term requested here. Azure resources are assigned to regions, which may encompass datacenters across an area. [1]

https://learn.microsoft.com/en-gb/azure/reliability/regions-overview

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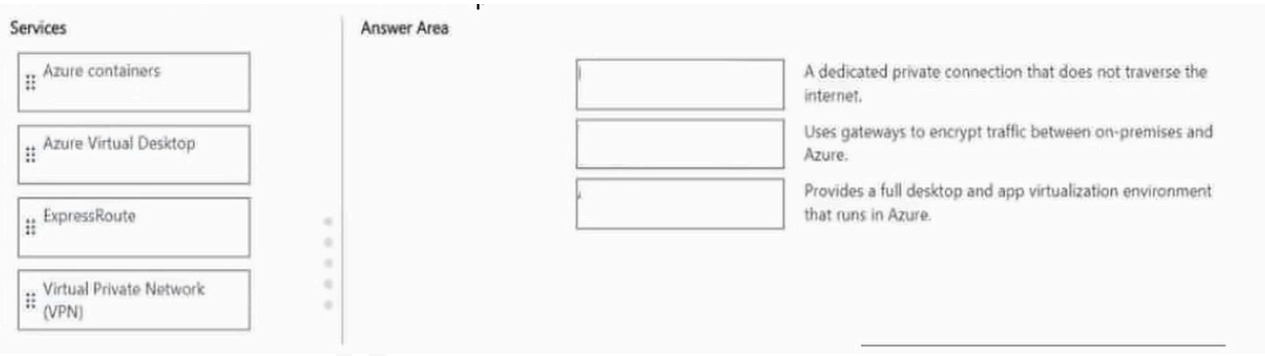
Question 13

Drag and drop · Domain: D2 Describe Azure architecture and services › Describe Azure compute and networking services

Match the Azure compute services to the appropriate descriptions.

To answer, drag the appropriate compute service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all NOTE: Each correct match is worth one point.



Items:

- A. Services
- B. Azure containers
- C. Azure Virtual Desktop
- D. Express Route
- E. Virtual Private Network (VPN)

Place them on:

1. A dedicated private connection that does not traverse the internet.
2. Uses gateways to encrypt trafflic between on-premises and Azure,
3. Provides a full desktop and app virtualization environment that runs in Azure.

Answer

- A dedicated private connection that does not traverse the internet. → **D. Express Route**
- Uses gateways to encrypt trafflic between on-premises and Azure, → **E. Virtual Private Network (VPN)**
- Provides a full desktop and app virtualization environment that runs in Azure. → **C. Azure Virtual Desktop**

Explanation

ExpressRoute provides a dedicated private connection between Azure and an on-premises network that does not traverse the internet. A VPN uses gateways to encrypt traffic between on-premises networks and Azure. Azure Virtual Desktop is the service for a full desktop and app virtualization environment running in Azure.

https://learn.microsoft.com/azure/virtual-desktop/overview
https://learn.microsoft.com/en-us/azure/vpn-gateway/secure-vpn-gateway
https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/

✗ **Azure containers** Azure containers

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Azure container services run applications in containers, so they do not provide the dedicated private connection, encrypted VPN connectivity, or desktop and app virtualization described here.

https://learn.microsoft.com/en-us/azure/architecture/guide/choose-azure-container-service

✓ **Provides a full desktop and app virtualization environment that runs in Azure.: Azure Virtual Desktop** Provides a full desktop and app virtualization environment that runs in Azure.
Azure Virtual Desktop provides desktop and app virtualization hosted in Azure, matching this description.

https://learn.microsoft.com/azure/virtual-desktop/overview

✓ **A dedicated private connection that does not traverse the internet.: Express Route** A dedicated private connection that does not traverse the internet.
ExpressRoute establishes a private connection between an organization's network and Azure that does not use the public internet.

https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/

✓ **Uses gateways to encrypt trafflic between on-premises and Azure,: Virtual Private Network (VPN)** Uses gateways to encrypt trafflic between on-premises and Azure,
A VPN gateway enables encrypted VPN connections between on-premises networks and Azure.

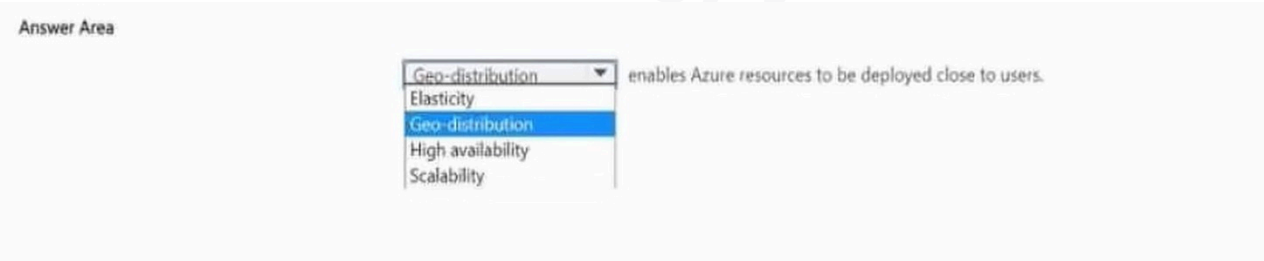
https://learn.microsoft.com/en-us/azure/vpn-gateway/secure-vpn-gateway
https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways

Question 14

Hotspot (dropdowns) · Domain: D2 Describe Azure architecture and services › Describe the core architectural components of Azure

Select the answer that correctly completes the sentence.

[Blank] enables Azure resources to be deployed close to users.



[Blank] enables Azure resources to be deployed close to users.: Elasticity | Geo-distribution | High availability | Scalability

Answer

- [Blank] enables Azure resources to be deployed close to users.: **Geo-distribution**

Explanation

Geo-distribution means deploying Azure resources in multiple geographic locations, allowing resources to be placed closer to users. That directly matches the requirement in the sentence. Elasticity and scalability concern adjusting capacity, while high availability concerns keeping services operational.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/ready/azure-setup-guide/regions?trk=article-ssr-frontend-pulse_little-text-block

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https://learn.microsoft.com/en-us/azure/reliability/regions-overview?wt.mc_id=WDIT-MVP-4039827

✗ **Box 1: Elasticity** Elasticity
Elasticity is the ability to adjust resources as demand changes. It does not specifically describe deploying resources near users in different geographic locations.

https://learn.microsoft.com/en-us/azure/architecture/best-practices/auto-scaling

✓ **Box 1: Geo-distribution** Geo-distribution
Geo-distribution places Azure resources across geographic locations, so resources can be deployed closer to users. This directly completes the sentence.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/ready/azure-setup-guide/regions?trk=article-ssr-frontend-pulse_little-text-block
https://learn.microsoft.com/en-us/azure/reliability/regions-overview?wt.mc_id=WDIT-MVP-4039827

✗ **Box 1: High availability** High availability
High availability is about keeping a service accessible and minimizing downtime, often through redundancy. It does not itself mean deploying resources close to users.

https://learn.microsoft.com/en-us/azure/reliability/concept-business-continuity-high-availability-disaster-recovery
https://learn.microsoft.com/en-us/azure/architecture/high-availability/building-solutions-for-high-availability

✗ **Box 1: Scalability** Scalability
Scalability is the ability to handle increased or decreased workloads by changing capacity. It does not specifically address the geographic placement of resources near users.

https://learn.microsoft.com/en-us/azure/architecture/guide/design-principles/scale-out
https://learn.microsoft.com/en-us/azure/well-architected/reliability/scaling

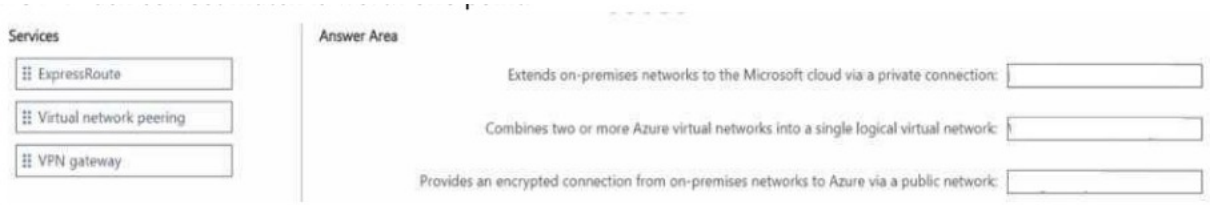
Question 15

Drag and drop · Domain: D2 Describe Azure architecture and services › Describe Azure compute and networking services

Match the Azure services to the appropriate descriptions.

To answer, drag the appropriate service from the column on the left to its description on the right Each service may be used once. more than once, or not at all.

NOTE: Each correct match is worth one point.



Items:

- A. Services
- B. IiExptessRoute
- C. Virtual network peering
- D. VPN gateway

Place them on:

1. Extends on-premises networks to the Microsoft cloud via a private connection
2. Combines.two or more Azure virtual networks into a single logicalvirtual networkc
3. Pravidesan encrypted connection from on-premises net wor les to Azure viaa public network

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Answer

- Extends on-premises networks to the Microsoft cloud via a private connection → **B. IiExptessRoute**
- Combines.two or more Azure virtual networks into a single logicalvirtual networkc → **C. Virtual network peering**
- Pravidesan encrypted connection from on-premises net wor les to Azure viaa public network → **D. VPN gateway**

Explanation

ExpressRoute extends on-premises networks to Azure over a private connection. Virtual network peering connects Azure virtual networks so they function as one logical network. A VPN gateway provides an encrypted connection between on-premises networks and Azure over a public network.

https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction
https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways
https://learn.microsoft.com/en-us/azure/vpn-gateway/secure-vpn-gateway
https://learn.microsoft.com/en-us/azure/virtual-network/how-to-configure-subnet-peering

✗ **Services** Services (column heading)
This is the heading for the list, not a service to drag into an answer area.

✓ **IiExptessRoute** ExpressRoute
ExpressRoute is the match for extending an on-premises network to Microsoft cloud services through a private connection. It is not the VPN-over-public-network option.

https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction
https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/expressroute-private-peering-connectivity

✓ **Virtual network peering** Virtual network peering
Virtual network peering connects Azure virtual networks, allowing them to communicate as though they were part of one logical network. It does not describe an on-premises connection.

https://learn.microsoft.com/en-us/azure/virtual-network/how-to-configure-subnet-peering

✓ **VPN gateway** VPN gateway
A VPN gateway provides an encrypted connection between an on-premises network and Azure over a public network. This is distinct from ExpressRoute's private connection.

https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways
https://learn.microsoft.com/en-us/azure/vpn-gateway/secure-vpn-gateway

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Question 16

Yes / No · Domain: D2 Describe Azure architecture and services › Describe Azure identity, access, and security

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
You can create custom Azure roles to control access to resources.	☐	☐
A user account can be assigned to multiple Azure roles.	☐	☐
Are source group can have the Owner role assigned to muitiple users	☐	☐

Answer

- You can create custom Azure roles to control access to resources. **Yes**
- A user account can be assigned to multiple Azure roles. **Yes**
- Are source group can have the Owner role assigned to muitiple users **Yes**

Explanation

All three statements are true. Azure lets you create custom roles to define access to resources, and a user can receive multiple roles through separate role assignments. You can also assign the Owner role at a resource-group scope to multiple users.

https://learn.microsoft.com/azure/role-based-access-control/custom-roles
https://learn.microsoft.com/en-us/azure/role-based-access-control/
https://learn.microsoft.com/en-us/azure/role-based-access-control/role-definitions

✓ **Statement 1** You can create custom Azure roles to control access to resources.
Azure custom roles let you define a set of permissions for controlling access to Azure resources. Therefore, the statement is true.

https://learn.microsoft.com/azure/role-based-access-control/custom-roles
https://learn.microsoft.com/en-us/azure/role-based-access-control/role-definitions

✓ **Statement 2** A user account can be assigned to multiple Azure roles.
Azure role-based access control permits a user to have multiple role assignments, including assignments to different roles. Therefore, the statement is true.

https://learn.microsoft.com/en-us/azure/role-based-access-control/

✓ **Statement 3** A resource group can have the Owner role assigned to multiple users.
Role assignments can be made at the resource-group scope, and the same role can be assigned to multiple users at that scope. Therefore, multiple users can be assigned Owner for a resource group.

https://learn.microsoft.com/en-us/azure/role-based-access-control/

Dumpsgate

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Question 17

Hotspot (dropdowns) · Domain: D2 Describe Azure architecture and services › Describe Azure compute and networking services

Select the answer that correctly completes the sentence.

Answer Area

Box 1: Azure Container Instances | Azure Reserved Virtual Machine Instances | Azure Spot virtual machine instances | Azure virtual machine scale sets

Answer

- Box 1: **Azure Spot virtual machine instances**

Explanation

Azure Spot virtual machine instances use Azure's unused compute capacity and are offered at deep discounts. That directly matches the sentence's description. The other choices describe container hosting, a commitment-based pricing option, or a way to manage groups of virtual machines rather than access to unused capacity.

https://learn.microsoft.com/en-us/azure/virtual-machines/spot-vms

✗ **Box 1: Azure Container Instances** Azure Container Instances
Azure Container Instances runs containers without requiring users to manage virtual machines. It is not the Azure option described as providing access to unused compute capacity at deep discounts.

https://learn.microsoft.com/vi-vn/azure/container-instances/

✗ **Box 1: Azure Reserved Virtual Machine Instances** Azure Reserved Virtual Machine Instances
Reserved Virtual Machine Instances are a commitment-based purchasing option, not access to unused Azure compute capacity. The sentence specifically describes the discounted use of capacity that Azure has available.

✓ **Box 1: Azure Spot virtual machine instances** Azure Spot virtual machine instances
Azure Spot virtual machine instances let you use Azure's unused compute capacity at a discount. This matches both the unused-capacity and deep-discount requirements in the sentence.

https://learn.microsoft.com/en-us/azure/virtual-machines/spot-vms

✗ **Box 1: Azure virtual machine scale sets** Azure virtual machine scale sets
Virtual machine scale sets let you create and manage groups of virtual machines that can scale as needed. They are not themselves the option that provides access to unused compute capacity at deep discounts.

https://learn.microsoft.com/en-us/azure/virtual-machine-scale-sets/

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Question 18

Hotspot (dropdowns) · Domain: D2 Describe Azure architecture and services › Describe Azure storage services

Select the answer that correctly completes the sentence.

[Blank] isaphysicalmigrationserviceusedtotransfer largeamountsofdatainaquick,inexpensive,andreliableway.: Azure Data Box | Azure Data bricks | Azure File Sync | Azur eMigrate

Answer

- [Blank] isaphysicalmigrationserviceusedtotransfer largeamountsofdatainaquick,inexpensive,andreliableway.: **Azure Data Box**

Explanation

Azure Data Box is the physical migration service designed to move large amounts of data to Azure quickly, reliably, and cost-effectively. It matches the sentence's description of a physical transfer solution rather than a software-based migration or synchronization service.

https://learn.microsoft.com/en-us/azure/databox/data-box-faq
https://learn.microsoft.com/en-us/azure/databox/data-box-overview

✓ **Box 1: Azure Data Box** Azure Data Box
Azure Data Box uses physical devices to transfer large amounts of data to Azure, making it appropriate when network transfer is impractical or too slow. This matches the sentence's description of a quick, inexpensive, and reliable physical migration service.

https://learn.microsoft.com/en-us/azure/databox/data-box-faq
https://learn.microsoft.com/en-us/azure/databox/data-box-overview

✗ **Box 1: Azure Databricks** Azure Databricks
Azure Databricks is a data analytics platform, not a physical service for transferring large amounts of data. It does not meet the physical migration requirement in the sentence.

✗ **Box 1: Azure File Sync** Azure File Sync
Azure File Sync synchronizes files between Windows Server and Azure file shares; it is not the physical data-transfer service described. The sentence specifically calls for physical migration of large amounts of data.

https://learn.microsoft.com/en-us/azure/storage/file-sync/file-sync-extension
https://learn.microsoft.com/en-us/azure/storage/files/windows-server-to-azure-files

✗ **Box 1: Azure Migrate** Azure Migrate
Azure Migrate provides tools and services for assessing and migrating workloads to Azure, but it is not the physical data-transfer service described here. Azure Data Box is the option that matches the requirement for a physical transfer method.

https://learn.microsoft.com/en-us/azure/migrate/migrate-overview

Question 19

Yes / No · Domain: D2 Describe Azure architecture and services › Describe Azure storage services

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statement	Yes	No
Data that is stored in an Azure Storage account automatically hasat least three copies	☐	☐
Alldata that is copied to an Azure Storage account is backed up automatically to another Azure datacenter.	☐	☐
An Azure Storage account can contain onlyup to2TBof data and up to one million files.	☐	☐

Answer

- Data that is stored in an Azure Storage account automatically hasat least three copies **Yes**
- Alldata that is copied to an Azure Storage account is backed up automatically to another Azure datacenter. **No**
- An Azure Storage account can contain onlyup to2TBof data and up to one million files. **No**

Explanation

Azure Storage redundancy maintains multiple copies of stored data, so the first statement is true. However, storage is not necessarily replicated to a different Azure datacenter or backed up there: the location and type of replication depend on the redundancy configuration, and replication is not the same as backup. The stated limits of 2 TB and one million files are not general limits for an Azure Storage account.

https://learn.microsoft.com/azure/storage/common/storage-redundancy
https://learn.microsoft.com/en-us/azure/storage/common/storage-disaster-recovery-guidance
https://learn.microsoft.com/en-us/azure/storage/common/geo-redundant-design
https://learn.microsoft.com/en-us/azure/storage/common/storage-account-create

✓ **Statement 1** Data that is stored in an Azure Storage account automatically has at least three copies. Azure Storage redundancy keeps multiple copies of data to provide durability. The specific replication arrangement varies, but the statement that data has at least three copies is true.

https://learn.microsoft.com/azure/storage/common/storage-redundancy

✗ **Statement 2** All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.
This is not guaranteed for all storage accounts: some redundancy options keep copies within the primary region rather than in another datacenter. Also, replication for redundancy or disaster recovery is not the same as a backup.

https://learn.microsoft.com/azure/storage/common/storage-redundancy
https://learn.microsoft.com/en-us/azure/storage/common/storage-disaster-recovery-guidance
https://learn.microsoft.com/en-us/azure/storage/common/geo-redundant-design

✗ **Statement 3** An Azure Storage account can contain only up to 2 TB of data and up to one million files. Azure Storage accounts are not generally capped at 2 TB or one million files. Applicable capacity limits depend on the storage service and account configuration, and are much higher than the limits stated here.

https://learn.microsoft.com/en-us/azure/storage/common/storage-account-create

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Question 20

Yes / No · Domain: D2 Describe Azure architecture and services › Describe Azure identity, access, and security

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each connect selection is worth one point.

Statement	Yes	No
Azure AD requires domain controllers on Azure virtual machines	☐	☐
Azure ADprovidesauthentication services for Azure and Microsoft365.	☐	☐
Each user account in Azure AD can be assigned onlyone Microsoft365 license	☐	☐

Answer

- Azure AD requires domain controllers on Azure virtual machines **No**
- Azure ADprovidesauthentication services for Azure and Microsoft365. **Yes**
- Each user account in Azure AD can be assigned onlyone Microsoft365 license **No**

Explanation

The statements are No, Yes, and No. Azure AD (now Microsoft Entra ID) is a cloud identity service and does not require you to deploy domain controllers on Azure virtual machines. It provides authentication for Azure and Microsoft 365, and a user account can be assigned more than one license when the services and plans are compatible.

https://learn.microsoft.com/en-us/entra/identity/domain-services/overview
https://learn.microsoft.com/en-us/entra/identity/authentication/overview-authentication
https://learn.microsoft.com/entra/fundamentals/license-users-groups
https://learn.microsoft.com/en-us/microsoft-365/enterprise/assign-licenses-to-user-accounts?view=o365-worldwide

✗ **Statement 1** Azure AD requires domain controllers on Azure virtual machines
Azure AD is a cloud identity service, so using it does not require you to deploy domain controllers on Azure virtual machines. Azure AD Domain Services is a separate managed service that provides domain-controller capabilities for scenarios that need them.

https://learn.microsoft.com/en-us/entra/identity/domain-services/overview
https://learn.microsoft.com/en-us/entra/identity/domain-services/scenarios

✓ **Statement 2** Azure AD provides authentication services for Azure and Microsoft 365.
Azure AD provides authentication capabilities used to sign in to cloud applications and services, including Azure and Microsoft 365. Therefore, the statement is true.

https://learn.microsoft.com/en-us/entra/identity/authentication/overview-authentication

✗ **Statement 3** Each user account in Azure AD can be assigned only one Microsoft 365 license.
A user account can be assigned multiple licenses; it is not limited to one Microsoft 365 license. The available services depend on the licenses assigned and the plans enabled within them.

https://learn.microsoft.com/entra/fundamentals/license-users-groups
https://learn.microsoft.com/en-us/microsoft-365/enterprise/assign-licenses-to-user-accounts?view=o365-worldwide
https://learn.microsoft.com/en-us/graph/api/user-assignlicense?tabs=http&view=graph-rest-1.0

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Question 21

Single choice · Domain: D2 Describe Azure architecture and services › Describe Azure compute and networking services

At which OSI layer does ExpressRoute operate?

A. Layer 5
B. Layer 7
C. Layer 3
D. Layer 2

Answer: C. Layer 3

Explanation

ExpressRoute operates at OSI Layer 3 because it provides private network connectivity using IP routing between networks. Its peerings use BGP to exchange routes, which is a Layer 3 function. Therefore, Layer 3 is the correct choice; the other options refer to layers that do not describe ExpressRoute's routing role.

https://learn.microsoft.com/en-us/azure/expressroute/expressroute-config-samples-routing
https://learn.microsoft.com/en-us/azure/expressroute/expressroute-circuit-peerings

✗ **A** Layer 5
Layer 5 is the session layer, which handles the establishment and management of communication sessions. ExpressRoute's defining function is network connectivity and route exchange, not session management.

✗ **B** Layer 7
Layer 7 is the application layer, where application protocols and services operate. ExpressRoute provides network-level connectivity rather than an application-layer service.

✓ **C** Layer 3
Layer 3 is the network layer, which handles IP addressing and routing. ExpressRoute peerings use BGP to exchange routes, so Layer 3 best describes its operation.

https://learn.microsoft.com/en-us/azure/expressroute/expressroute-config-samples-routing
https://learn.microsoft.com/en-us/azure/expressroute/expressroute-circuit-peerings

✗ **D** Layer 2
Layer 2 is the data link layer, which handles local link delivery, such as Ethernet framing. ExpressRoute's route exchange and IP connectivity operate at the network layer instead.

https://learn.microsoft.com/en-us/azure/expressroute/expressroute-config-samples-routing
https://learn.microsoft.com/en-us/azure/expressroute/expressroute-circuit-peerings

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Question 22

Single choice · Domain: D2 Describe Azure architecture and services › Describe Azure compute and networking services

You plan to deploy a service to Azure virtual machines.

You need to ensure that the service will be available if a datacenter fails.

What should you use as part of the virtual machine deployment?

A. availability sets
B. proximity placement groups
C. host groups
D. availability zones

Answer: D. availability zones

Explanation

Use availability zones to distribute the virtual machines across separate physical datacenters within an Azure region. This protects the service from a datacenter failure, which is the stated requirement. Availability sets help protect against certain hardware or maintenance failures within a datacenter, but do not provide the same datacenter-level separation.

https://learn.microsoft.com/en-us/azure/reliability/availability-zones-overview
https://learn.microsoft.com/en-us/azure/virtual-machines/availability-set-overview?source=recommendations
https://learn.microsoft.com/en-us/azure/reliability/availability-zones-zonal-resource-resiliency

✗ **A** availability sets
Availability sets distribute VMs across fault and update domains to reduce the impact of hardware failures and planned maintenance. They do not place VMs in separate datacenters, so they do not meet the requirement to remain available if a datacenter fails.

https://learn.microsoft.com/en-us/azure/virtual-machines/availability-set-overview?source=recommendations

✗ **B** proximity placement groups
Proximity placement groups are used to keep related Azure compute resources physically close to reduce network latency. They are not the feature for protecting a deployment against a datacenter failure.

https://learn.microsoft.com/en-us/azure/virtual-machines/co-location
https://learn.microsoft.com/en-us/azure/virtual-machines/windows/proximity-placement-groups-portal?source=recommendations

✗ **C** host groups
Host groups are used to organize Azure Dedicated Hosts, which provide dedicated physical server capacity for VMs. Using a host group does not itself distribute the service across datacenters for failure protection.

https://learn.microsoft.com/en-us/azure/virtual-machines/dedicated-hosts-how-to
https://learn.microsoft.com/en-us/azure/virtual-machines/dedicated-hosts
https://learn.microsoft.com/cli/azure/vm/host/group

✓ **D** availability zones
Availability zones are physically separate locations within an Azure region, each with independent power, cooling, and networking. Deploying the service across zones helps it remain available if one datacenter or zone fails.

https://learn.microsoft.com/en-us/azure/reliability/availability-zones-overview
https://learn.microsoft.com/azure/reliability/reliability-virtual-machines
https://learn.microsoft.com/en-us/azure/reliability/availability-zones-zonal-resource-resiliency

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Question 23

Hotspot (dropdowns) · Domain: D2 Describe Azure architecture and services › Describe the core architectural components of Azure

To answer, select the appropriate option in the answer area. You have several virtual machines in an Azure subscription. You create a new subscription.

Answer Area

You have several virtual machines in an Azure subscription. You create a new subscription.: The virtual machines cannot be moved to the new subscription. | The virtual machines can be moved to the new subscription. | The virtual machines can be moved to the new subscription only if they are all in the same resource group. | The virtual machines can be moved to the new subscription only if they run Windows Server 2019 and newer.

Answer

- You have several virtual machines in an Azure subscription. You create a new subscription.: **The virtual machines can be moved to the new subscription.**

Explanation

Azure supports moving virtual machines between subscriptions, so the VMs can be moved to the new subscription. The move is subject to Azure resource-move requirements and prerequisites, but it is not limited to VMs in one resource group or to a particular Windows Server version. [1][8]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resource-group-and-subscription
https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resources-overview

✗ **Box 1: The virtual machines cannot be moved to the new subscription.** The virtual machines cannot be moved to the new subscription.
Azure supports moving supported resources, including virtual machines, between subscriptions. Therefore, it is not true that the VMs cannot be moved at all. [1][8]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resource-group-and-subscription
https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resources-overview

✓ **Box 1: The virtual machines can be moved to the new subscription.** The virtual machines can be moved to the new subscription.
Azure supports moving virtual machines to another subscription, subject to the applicable move requirements and prerequisites. The question gives no condition that would prevent this move. [1][8]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resource-group-and-subscription
https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resources-overview

✗ **Box 1: The virtual machines can be moved to the new subscription only if they are all in the same resource group.** The virtual machines can be moved to the new subscription only if they are all in the same resource group.
Being in the same resource group is not a general prerequisite for moving resources to another subscription; Azure supports moves involving resources across resource groups. The move must satisfy the applicable requirements for the resources being moved. [1][8]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resource-group-and-subscription
https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resources-overview

✗ **Box 1: The virtual machines can be moved to the new subscription only if they run Windows Server 2019 and newer.** The virtual machines can be moved to the new subscription only if they run Windows Server 2019 and newer.
Azure subscription moves are not restricted to virtual machines running Windows Server 2019 or newer. The relevant consideration is whether the resources meet Azure's move requirements, not that operating-system version condition. [1][8]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resource-group-and-subscription
https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/move-resources-overview

Question 24

Hotspot (dropdowns) · Domain: D2 Describe Azure architecture and services › Describe Azure compute and networking services

Select the answer that correctly completes the sentence.

Answer Area

[Blank] isa desktop and application virtualization service thatenablestheuseofa cloud-hostedversionof Windows fromany location.: Azure Virtual Desktop | An availability set | Azure Spot Virtual Machines | Azure Virtual Machine Scale Sets

Answer

- [Blank] isa desktop and application virtualization service thatenablestheuseofa cloud-hostedversionof Windows fromany location.: **Azure Virtual Desktop**

Explanation

Azure Virtual Desktop is the service that provides desktop and application virtualization, allowing users to access a cloud-hosted Windows experience from different locations. The other choices are Azure infrastructure options for availability, discounted interruptible compute, or managing groups of virtual machines—not hosted desktop and application virtualization. [7]

https://learn.microsoft.com/azure/virtual-desktop/overview

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✓ **Box 1: Azure Virtual Desktop** Azure Virtual Desktop
Azure Virtual Desktop is a desktop and application virtualization service that lets users access a cloud-hosted Windows experience from different locations. This directly matches the sentence. [7]

https://learn.microsoft.com/azure/virtual-desktop/overview

✗ **Box 1: An availability set** An availability set
An availability set helps distribute virtual machines across fault and update domains to improve availability. It does not provide a virtualized desktop and application service. [1]

https://learn.microsoft.com/en-us/azure/virtual-machines/availability-set-overview?source=recommendations

✗ **Box 1: Azure Spot Virtual Machines** Azure Spot Virtual Machines
Azure Spot Virtual Machines provide access to unused Azure compute capacity at a discount, with the possibility that the VMs may be evicted. They are not a service for delivering cloud-hosted Windows desktops and applications to users. [4]

https://learn.microsoft.com/en-us/azure/virtual-machines/spot-vms

✗ **Box 1: Azure Virtual Machine Scale Sets** Azure Virtual Machine Scale Sets
Virtual Machine Scale Sets let you create and manage groups of virtual machines that can scale. They do not provide desktop and application virtualization for users. [2]

https://learn.microsoft.com/en-us/azure/virtual-machine-scale-sets/

Question 25

Yes / No · Domain: D2 Describe Azure architecture and services › Describe the core architectural components of Azure

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
North America is represented by a single Azure region	☐	☐
EveryAzureregionhasmultipledatacenters.	☐	☐
Data transfers between Azure services located in different Azure regions are always free	☐	☐

Answer

- North America is represented by a single Azure region **No**
- EveryAzureregionhasmultipledatacenters. **Yes**
- Data transfers between Azure services located in different Azure regions are always free **No**

Explanation

The correct selections are No, Yes, and No. North America includes multiple Azure regions, so it is not represented by a single region. Azure regions contain multiple datacenters, while transfers between services in different regions are not always free and may incur bandwidth charges.

https://learn.microsoft.com/en-us/azure/reliability/regions-list
https://learn.microsoft.com/en-us/azure/reliability/regions-overview?wt.mc_id=WDIT-MVP-4039827
https://azure.microsoft.com/en-us/pricing/details/bandwidth/?msockid=10e021c48b4968ac2b9e37568acf690a

✗ **Statement 1** North America is represented by a single Azure region
No. North America includes multiple Azure regions, rather than being represented by one region.

https://learn.microsoft.com/en-us/azure/reliability/regions-list

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✓ **Statement 2** Every Azure region has multiple datacenters.
Yes. An Azure region is made up of multiple datacenters connected through a dedicated, low-latency network.

https://learn.microsoft.com/en-us/azure/reliability/regions-overview?wt.mc_id=WDIT-MVP-4039827

✗ **Statement 3** Data transfers between Azure services located in different Azure regions are always free
No. Inter-region data transfers are not always free; Azure bandwidth pricing can include charges for data transfers between regions.

https://azure.microsoft.com/en-us/pricing/details/bandwidth/?msockid=10e021c48b4968ac2b9e37568acf690a

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Question 26

Yes / No · Domain: D2 Describe Azure architecture and services › Describe Azure storage services

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
AzCopyisacommand-line utility used to copy blobs or files to or from a storage account.	☐	☐
Azure Storage Explorer is a cloud-hosted migration service used to transfer large amounts of data.	☐	☐
Azure File Sync syncs files and folders between Azure Files and Windows file servers.	☐	☐

Answer

- AzCopyisacommand-line utility used to copy blobs or files to or from a storage account. **Yes**
- Azure Storage Explorer is a cloud-hosted migration service used to transfer large amounts of data. **No**
- Azure File Sync syncs files and folders between Azure Files and Windows file servers. **Yes**

Explanation

The correct selections are Yes, No, and Yes. AzCopy is a command-line tool for copying data to and from Azure Storage, while Azure Storage Explorer is not a cloud-hosted migration service. Azure File Sync synchronizes files and folders between Azure file shares and Windows Server file servers.

https://learn.microsoft.com/en-us/azure/storage-mover/service-overview
https://learn.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-blobs-copy?WT.mc_id=MVP_319025
https://learn.microsoft.com/en-us/azure/storage/file-sync/

✓ **Statement 1** AzCopy is a command-line utility used to copy blobs or files to or from a storage account.
Yes is correct: AzCopy is a command-line utility for transferring data to and from Azure Storage, including copying blobs. The statement accurately describes its purpose.

https://learn.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-blobs-copy?WT.mc_id=MVP_319025
https://learn.microsoft.com/en-us/cli/azure/storage/azcopy?view=azure-cli-latest

✗ **Statement 2** Azure Storage Explorer is a cloud-hosted migration service used to transfer large amounts of data.
No is correct because Azure Storage Explorer is a tool for managing Azure Storage data, not a cloud-hosted migration service. Azure Storage Mover is the cloud-managed service for migrating files and folders at scale.

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https://learn.microsoft.com/en-us/azure/storage-mover/service-overview
https://learn.microsoft.com/en-us/azure/storage/common/storage-migration-tools?toc=%2Fazure%2Fstorage%2Fblobs%2Ftoc.json

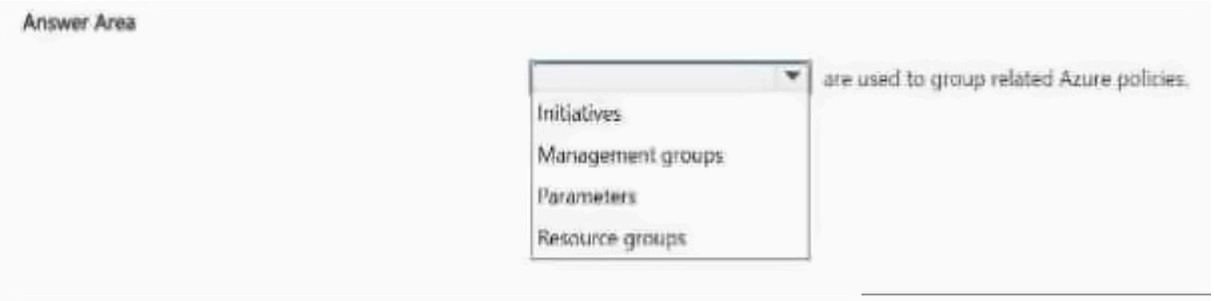
✓ **Statement 3** Azure File Sync syncs files and folders between Azure Files and Windows file servers.
Yes is correct: Azure File Sync keeps files and folders synchronized between an Azure file share and Windows Server file servers. This is the function described in the statement.

https://learn.microsoft.com/en-us/azure/storage/files/windows-server-to-azure-files
https://learn.microsoft.com/en-us/azure/storage/file-sync/

Question 27

Hotspot (dropdowns) · Domain: D3 Describe Azure management and governance › Describe features and tools in Azure for governance and compliance

[Blank] are used to group related Azure policies.



[Blank]: Initiatives | Management groups | Parameters | Resource groups

Answer

- [Blank]: **Initiatives**

Explanation

Initiatives are used to group related Azure Policy definitions into a single policy set. This matches the sentence's requirement to group related Azure policies. Management groups and resource groups organize Azure scopes and resources, while parameters supply values to policy definitions.

https://learn.microsoft.com/azure/governance/policy/concepts/initiative-definition-structure
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✓ **Box 1: Initiatives** Initiatives
An Azure Policy initiative (policy set definition) groups multiple related policy definitions so they can be assigned and managed together. That is exactly what the sentence describes.

https://learn.microsoft.com/azure/governance/policy/concepts/initiative-definition-structure
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✗ **Box 1: Management groups** Management groups
Management groups organize subscriptions into a hierarchy for governance and policy assignment scope; they are not the feature for grouping related policy definitions. The sentence asks what groups the policies themselves.

https://learn.microsoft.com/en-us/azure/governance/policy/concepts/scope

✗ **Box 1: Parameters** Parameters
Parameters provide configurable values used by a policy definition, rather than grouping multiple policies together. Therefore, they do not complete the sentence.

https://learn.microsoft.com/en-gb/azure/governance/policy/concepts/definition-structure-parameters

✗ **Box 1: Resource groups** Resource groups
Resource groups organize Azure resources that share a lifecycle or management context. They do not group related Azure Policy definitions into a policy set.

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/manage-resource-groups-portal

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Question 28

Hotspot (dropdowns) · Domain: D3 Describe Azure management and governance › Describe features and tools for managing and deploying Azure resources

Select the answer that correctly completes the sentence.

You can managean on premisesWindows serverasanAzureresourcebyusing [Blank]:
MicrosoflEntreConmect | Azure Atc | an Azure Pipelines agent. | Azure VpN Gateway.

Answer

- You can managean on premisesWindows serverasanAzureresourcebyusing [Blank]: **Azure Atc**

Explanation

Azure Arc lets you onboard and manage an on-premises Windows Server as an Azure resource. This matches the sentence's requirement to manage a server that remains on premises through Azure. Microsoft Entra Connect, an Azure Pipelines agent, and Azure VPN Gateway serve different purposes.

https://learn.microsoft.com/en-us/azure/azure-arc/servers/onboard-windows-server

✗ **Box 1: Microsoft Entra Connect** Microsoft Entra Connect
Microsoft Entra Connect synchronizes identities between on-premises Active Directory and Microsoft Entra ID. It does not onboard an on-premises Windows Server as an Azure resource.

https://learn.microsoft.com/en-us/entra/identity/hybrid/connect/how-to-connect-sync-whatis

✓ **Box 1: Azure Arc** Azure Arc
Azure Arc can onboard an on-premises Windows Server so it is represented and managed as an Azure resource. That directly completes the sentence.

https://learn.microsoft.com/en-us/azure/azure-arc/servers/onboard-windows-server

✗ **Box 1: an Azure Pipelines agent.** an Azure Pipelines agent.
An Azure Pipelines agent runs jobs for Azure Pipelines; it is not the service used to manage an on-

premises Windows Server as an Azure resource. Azure Arc provides that server-management capability.

✗ **Box 1: Azure VPN Gateway.** Azure VPN Gateway.
Azure VPN Gateway provides VPN connectivity between networks, such as an on-premises network and an Azure virtual network. It does not onboard the server itself as an Azure resource.

https://learn.microsoft.com/en-us/azure/vpn-gateway/secure-vpn-gateway
https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways

Question 29

Single choice · Domain: D3 Describe Azure management and governance › Describe cost management in Azure

Your company has an Azure subscription that contains the following unused resources: 20 Microsoft Entra user accounts Five Microsoft Entra groups 10 public IP addresses 10 network interfaces You need to reduce the Azure costs for the company.

Which unused resources should you remove?

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

Dumpsgate

Answer: D. the public IP addresses

Explanation

Remove the public IP addresses. Azure public IP addresses can incur charges while they are allocated, even when they are unused, whereas Microsoft Entra users and groups in the free offering and network interfaces do not by themselves incur the relevant recurring cost. Removing the unused public IP addresses therefore targets the resources most likely to reduce the company's Azure costs.

https://learn.microsoft.com/en-us/azure/virtual-network/ip-services/public-ip-addresses/
https://learn.microsoft.com/en-us/azure/cost-management-billing/manage/microsoft-entra-id-free
https://learn.microsoft.com/en-us/answers/questions/5917236/clarification-on-azure-network-interface-nic-billi

✗ **A** the user accounts
Microsoft Entra ID Free does not charge simply for having user accounts, so deleting unused accounts would not directly reduce the Azure costs identified here. Accounts may be associated with paid licenses, but the question does not say these accounts have them.

https://learn.microsoft.com/en-us/azure/cost-management-billing/manage/microsoft-entra-id-free
https://learn.microsoft.com/en-us/entra/fundamentals/licensing

✗ **B** the groups
Microsoft Entra groups do not incur a direct charge merely because they exist in the free offering. Removing the unused groups therefore is not the cost-reduction action sought in this scenario.

https://learn.microsoft.com/en-us/azure/cost-management-billing/manage/microsoft-entra-id-free
https://learn.microsoft.com/en-us/entra/fundamentals/licensing

✗ **C** the network interfaces
A network interface does not itself incur a recurring charge just for existing; costs may come from other associated resources. Removing the unused interfaces would not target the billable resource identified in the question.

https://learn.microsoft.com/en-us/answers/questions/5917236/clarification-on-azure-network-interface-nic-billi

✓ **D** the public IP addresses
Azure public IP addresses can incur charges while allocated, including when they are not being used. Removing the 10 unused public IP addresses can therefore reduce the company's Azure costs.
https://learn.microsoft.com/en-us/azure/virtual-network/ip-services/public-ip-addresses/

Question 30

Hotspot (dropdowns) · Domain: D3 Describe Azure management and governance › Describe features and tools in Azure for governance and compliance

Select the answer that correctly completes the sentence.

AnAzure Foticy initiative'definitian is a [Blank]: cul lect ion of policy def in i ions. | collection of Azure Policy definition assignrments | qroup of Azure Blueprints definitions. | group ofrole bnsedaccess mntrol(RRAe)rolearsignment.

Answer

- AnAzure Foticy initiative'definitian is a [Blank]: **cul lect ion of policy def in i ions.**

Explanation

An Azure Policy initiative definition is a collection of policy definitions grouped to meet a broader compliance or governance goal. Therefore, the sentence is completed by "collection of policy definitions." It is not a collection of assignments, a group of Azure Blueprints definitions, or a set of RBAC role assignments.
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✓ **Box 1: collection of policy definitions** collection of policy definitions
An initiative definition groups Azure Policy definitions so they can be managed and assigned together to address a broader goal. This matches the definition in the sentence.
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✗ **Box 1: collection of Azure Policy definition assignments** collection of Azure Policy definition assignments
Assignments apply a policy or initiative at a particular scope; they are not the policy definitions that an initiative definition groups together. The choice confuses the initiative's contents with how it is applied.
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure
https://learn.microsoft.com/en-us/azure/governance/policy/policy-glossary?WT.mc_id=AZ-MVP-5004598

✗ **Box 1: group of Azure Blueprints definitions** group of Azure Blueprints definitions
Azure Blueprints packages governance artifacts for deploying and managing environments; an Azure Policy initiative is specifically a grouping of policy definitions. These are different Azure governance

concepts.

https://learn.microsoft.com/en-us/azure/governance/blueprints/overview
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✗ **Box 1: group of role-based access control (RBAC) role assignments** group of role-based access control (RBAC) role assignments
RBAC role assignments grant a security principal a role at a scope. They control access and are not the policy definitions grouped by an Azure Policy initiative.

https://learn.microsoft.com/en-us/azure/role-based-access-control/role-assignments
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

Question 31

Single choice · Domain: D3 Describe Azure management and governance › Describe monitoring tools in Azure

What can you use to make recommendations that will reduce Azure costs?

A. Azure Advisor
B. Log Analytics
C. Azure Service Health
D. the Azure pricing calculator

Answer: A. Azure Advisor

Explanation

Azure Advisor analyzes your Azure usage and identifies cost-optimization recommendations, such as opportunities to reduce spending on resources. That makes it the appropriate tool when you want recommendations to lower Azure costs. Log Analytics is for working with log data, Azure Service Health reports service issues, and the pricing calculator estimates costs for planned configurations rather than analyzing your usage for savings.

https://learn.microsoft.com/en-us/azure/advisor/advisor-reference-cost-recommendations
https://learn.microsoft.com/en-us/azure/advisor/advisor-how-to-calculate-total-cost-savings

✓ **A** Azure Advisor
Azure Advisor provides cost recommendations based on your Azure resources and usage, helping identify ways to reduce spending. This directly matches the request for recommendations to lower Azure costs.

https://learn.microsoft.com/en-us/azure/advisor/advisor-reference-cost-recommendations
https://learn.microsoft.com/en-us/azure/advisor/advisor-how-to-calculate-total-cost-savings

✗ **B** Log Analytics
Log Analytics is used to collect and query log data for monitoring and troubleshooting. It is not the Azure service that provides cost-optimization recommendations.

https://learn.microsoft.com/azure/azure-monitor/logs/log-analytics-overview?WT.mc_id=AZ-MVP-5004796&tabs=simple
https://learn.microsoft.com/en-us/azure/azure-monitor/logs/log-query-overview

✗ **C** Azure Service Health
Azure Service Health provides information and alerts about Azure service issues and planned maintenance that may affect your resources. It does not analyze resource usage to recommend cost reductions.

https://learn.microsoft.com/en-us/azure/service-health/service-health-alert-overview

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✗ **D** the Azure pricing calculator
The pricing calculator estimates the cost of Azure services based on a configuration you enter, which is useful for planning. It does not review your existing Azure usage and provide recommendations to reduce its costs.

Question 32

Single choice · Domain: D3 Describe Azure management and governance › Describe features and tools in Azure for governance and compliance

You have a set of Azure policies. You need to group related policies together. What should you use?

A. exemptions
B. metadata
C. parameters
D. initiatives

Answer: D. initiatives

Explanation

Use an initiative, also called a policy set definition, to group related Azure Policy definitions together. This directly meets the requirement to organize a set of policies as one grouped unit. [1]

https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✗ **A** exemptions
An exemption excludes a particular resource or scope from a policy or initiative assignment. It does not group related policy definitions together. [12]

https://learn.microsoft.com/en-us/azure/governance/policy/concepts/exemption-structure

✗ **B** metadata
Metadata holds descriptive information about a policy definition, such as its category or version. It is not used to combine multiple policies into a group. [4]

https://learn.microsoft.com/en-us/azure/azure-policy/policy-definition

✗ **C** parameters
Parameters provide values that policy definitions can use to customize their behavior. They do not group separate policy definitions. [7]

https://learn.microsoft.com/en-gb/azure/governance/policy/concepts/definition-structure-parameters

✓ **D** initiatives
An initiative (policy set definition) groups multiple policy definitions together. Use one when you need to organize related Azure policies as a set. [1]

https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

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Question 33

Multiple choice · Domain: D3 Describe Azure management and governance › Describe monitoring tools in Azure

Which two features or services can be integrated with Azure Monitor' Each correct answer presents part of the solution.

NOTE: Each correct answer is worth one point.

A. Application Insights
B. Azure Advisor
C. Azure status
D. Azure Service Health
E. Log Analytics

Answer

- A. **Application Insights**
- E. **Log Analytics**

Explanation

Application Insights and Log Analytics are both Azure Monitor capabilities: Application Insights collects and analyzes application telemetry, while Log Analytics is used to query and analyze log data. These are the two choices that can be integrated with Azure Monitor. Azure Advisor, Azure status, and Azure Service Health are not the two integrations requested here.

https://learn.microsoft.com/en-us/azure/azure-monitor/app/create-workspace-resource
https://learn.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview?tabs=webapps
https://learn.microsoft.com/en-us/azure/azure-monitor/logs/data-platform-logs
https://learn.microsoft.com/en-us/azure/azure-monitor/logs/log-query-overview

✓ **A** Application Insights
Application Insights is an Azure Monitor feature for collecting and analyzing application telemetry, such as requests and performance data. It can use a Log Analytics workspace, making it an applicable integration.

https://learn.microsoft.com/en-us/azure/azure-monitor/app/create-workspace-resource
https://learn.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview?tabs=webapps

✗ **B** Azure Advisor
Azure Advisor provides recommendations to help optimize Azure resources. It is not one of the Azure Monitor features or services identified for integration in this question.

✗ **C** Azure status
Azure status reports the overall health of Azure services. It is not one of the Azure Monitor integrations asked for here.

✗ **D** Azure Service Health
Azure Service Health provides personalized information about Azure service issues and planned maintenance. It is distinct from the Azure Monitor capabilities selected in this question.

✓ **E** Log Analytics
Log Analytics is used with Azure Monitor to collect, query, and analyze log data. Its log-query capabilities make it one of the correct choices.

https://learn.microsoft.com/en-us/azure/azure-monitor/logs/data-platform-logs
https://learn.microsoft.com/en-us/azure/azure-monitor/logs/log-query-overview

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Question 34

Single choice · Domain: D3 Describe Azure management and governance › Describe features and tools for managing and deploying Azure resources

You need to start Azure Cloud Shell.

What should you use?

A. Azure PowerShell
B. an Azure Resource Manager (ARM) template
C. the Azure portal
D. Azure Command-Line Interface (CLI)

Answer: C. the Azure portal

Explanation

Use the Azure portal to start Azure Cloud Shell. Cloud Shell is a browser-based shell that you can open from the portal; Azure PowerShell and Azure CLI are command-line environments or tools, not the portal entry point requested here. An ARM template is used to define and deploy Azure resources, not to open the shell.

https://learn.microsoft.com/en-us/azure/cloud-shell/overview
https://learn.microsoft.com/azure/cloud-shell/using-the-shell-window

✗ **A** Azure PowerShell
Azure PowerShell is a command-line environment for managing Azure resources. It is not the Azure portal interface used to open Cloud Shell.

https://learn.microsoft.com/en-us/azure/cloud-shell/overview

✗ **B** an Azure Resource Manager (ARM) template
An ARM template describes Azure resources and their configuration for deployment. It does not start an interactive Cloud Shell session.

https://learn.microsoft.com/azure/azure-resource-manager/templates/resource-declaration

✓ **C** the Azure portal
The Azure portal provides access to Cloud Shell, which runs in a browser. Open Cloud Shell from the portal when you need to start it.

https://learn.microsoft.com/en-us/azure/cloud-shell/overview
https://learn.microsoft.com/azure/cloud-shell/using-the-shell-window

✗ **D** Azure Command-Line Interface (CLI)
Azure CLI is a command-line tool for managing Azure resources, not the portal interface for opening Cloud Shell. Cloud Shell can provide a CLI environment after it has been started.

https://learn.microsoft.com/en-us/azure/cloud-shell/overview

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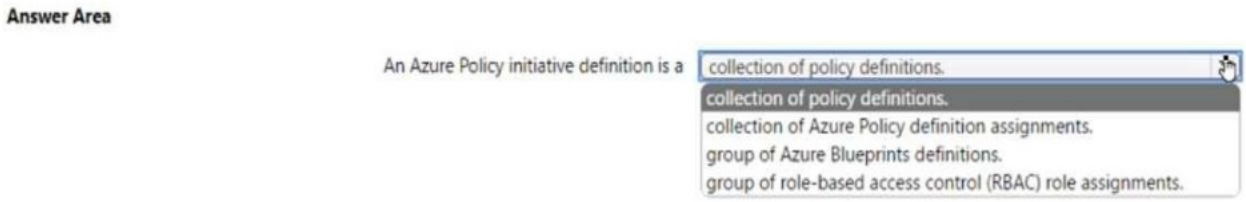
Question 35

Hotspot (dropdowns) · Domain: D3 Describe Azure management and governance › Describe features and tools in Azure for governance and compliance

Select the answer that correctly completes the sentence.



AnAzure Policy initiative definition isa [Blank]: collection of policy definitions | collection of policy definitions. | collection of Azure Policy definition assignments. | group ofAzure Blueprints definitions. | group of role-based access control RBAC)role assignments.

Answer

- AnAzure Policy initiative definition isa [Blank]: **collection of policy definitions.**

Explanation

An Azure Policy initiative definition groups policy definitions so they can be managed and assigned together. Therefore, “collection of policy definitions.” correctly completes the sentence. The other choices describe assignments or unrelated Azure constructs rather than the contents of an initiative definition.

https://learn.microsoft.com/en-us/azure/governance/policy/policy-glossary?WT.mc_id=AZ-MVP-5004598
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✗ **Box 1: collection of policy definitions** collection of policy definitions
This has the right meaning, but it lacks the period included in the correct dropdown choice. The selected answer completes the displayed sentence with the period.

https://learn.microsoft.com/en-us/azure/governance/policy/policy-glossary?WT.mc_id=AZ-MVP-5004598
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✓ **Box 1: collection of policy definitions.** collection of policy definitions.
An initiative definition groups policy definitions, allowing related policies to be managed and assigned together. This option correctly completes the sentence and includes its final punctuation.

https://learn.microsoft.com/en-us/azure/governance/policy/policy-glossary?WT.mc_id=AZ-MVP-5004598
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✗ **Box 1: collection of Azure Policy definition assignments.** collection of Azure Policy definition assignments.
Assignments apply policy definitions or initiatives to a scope; they are not what an initiative definition is a collection of. An initiative definition instead groups policy definitions.

https://learn.microsoft.com/en-us/azure/governance/policy/overview?WT.mc_id=AZ-MVP-5004810
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

✗ **Box 1: group of Azure Blueprints definitions.** group of Azure Blueprints definitions.
Azure Blueprints are a separate service concept, not the items grouped by an Azure Policy initiative definition. An initiative definition is a collection of policy definitions.

https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure
https://learn.microsoft.com/en-us/azure/governance/blueprints/overview

✗ **Box 1: group of role-based access control (RBAC) role assignments.** group of role-based access

control (RBAC) role assignments.
RBAC role assignments grant a security principal access to Azure resources; they are not grouped by an Azure Policy initiative definition. The initiative groups policy definitions instead.
https://learn.microsoft.com/en-us/azure/role-based-access-control/role-assignments
https://learn.microsoft.com/en-us/azure/governance/policy/concepts/initiative-definition-structure

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Question 36

Yes / No · Domain: D3 Describe Azure management and governance › Describe features and tools in Azure for governance and compliance

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
An Azure resource can have multiple Delete locks	☐	☐
An Azure resource inherits locks from its resource group.	☐	☐
If an Azure resource has a Read-only lock you can add a Delete lock to the resource.	☐	☐

Answer

- An Azure resource can have multiple Delete locks **Yes**
- An Azure resource inherits locks from its resource group. **Yes**
- If an Azure resource has a Read-only lock you can add a Delete lock to the resource. **Yes**

Explanation

All three statements are true. Azure resources can have multiple management locks, locks at a resource group scope are inherited by resources within that group, and a Read-only lock does not prevent adding a separate Delete lock when you have the required permissions. [1]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

✓ **Statement 1** An Azure resource can have multiple Delete locks
Yes. Azure supports multiple locks on a resource, including multiple locks of the same type; each lock is a separate lock resource. [1]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

✓ **Statement 2** An Azure resource inherits locks from its resource group.
Yes. A lock applied to a resource group is inherited by resources in that group, so the lock affects operations on those resources as well. [1]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

✓ **Statement 3** If an Azure resource has a Read-only lock you can add a Delete lock to the resource.
Yes. A Read-only lock does not prevent adding a separate Delete lock, provided you have permission to manage locks. The resource can therefore have both lock types applied. [1]

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

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Question 37

Single choice · Domain: D3 Describe Azure management and governance › Describe monitoring tools in Azure

You have a web app that runs in Azure.

You need to identify the amount of time it takes for web pages to load in a user's browser.

What should you use?

A. Azure Monitor alerts
B. Application Insights in Azure Monitor
C. Azure Network Watcher
D. Log Analytics

Answer: B. Application Insights in Azure Monitor

Explanation

Use Application Insights in Azure Monitor because it can collect browser-side telemetry for the web app, including how long pages take to load for users. This directly measures the requested client-side experience rather than merely alerting on conditions, diagnosing network infrastructure, or querying logs.

✗ **A** Azure Monitor alerts
Alerts notify you when monitored data meets specified conditions; they do not themselves measure the time a page takes to load in a user's browser. This option is for notification, not browser performance measurement.

https://learn.microsoft.com/en-us/azure/azure-monitor/alerts/alerts-overview

✓ **B** Application Insights in Azure Monitor
Application Insights can collect browser-side telemetry for a web app, including page load timing. That makes it the appropriate choice for identifying how long pages take to load for users.

✗ **C** Azure Network Watcher
Network Watcher provides tools for monitoring and diagnosing Azure network connectivity and configuration. It does not measure page load time in a user's browser.

https://learn.microsoft.com/en-us/azure/network-watcher/network-watcher-overview

✗ **D** Log Analytics
Log Analytics is used to query and analyze collected log data, rather than directly instrumenting a web page to capture browser load timing. Application Insights is the suitable tool for gathering that client-side performance telemetry.

https://learn.microsoft.com/en-us/azure/azure-monitor/logs/log-query-overview

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Question 38

Single choice · Domain: D3 Describe Azure management and governance › Describe features and tools for managing and deploying Azure resources

What provides a unified way to project and manage non-Azure resources in Azure Resource Manager (ARM)?

A. Azure Arc
B. Azure AD Connect
C. Azure Migrate
D. Azure Front Door

Answer: A. Azure Arc

Explanation

Azure Arc provides a unified way to project and manage resources outside Azure through Azure Resource Manager. This matches the requirement to manage non-Azure resources as part of the Azure management experience. The other options address identity synchronization, migration, or application delivery rather than unified ARM management of non-Azure resources.

✓ **A** Azure Arc
Azure Arc extends Azure management to resources outside Azure, representing them in Azure Resource Manager so they can be managed through a unified Azure experience. This directly fits the question.

✗ **B** Azure AD Connect
Azure AD Connect synchronizes identity information between on-premises Active Directory and Microsoft Entra ID. It does not project and manage non-Azure infrastructure through ARM.

https://learn.microsoft.com/en-us/entra/identity/hybrid/connect/how-to-connect-sync-whatis

✗ **C** Azure Migrate
Azure Migrate helps assess and plan the migration of workloads to Azure; it is not the unified management layer for non-Azure resources in ARM. Its focus is migration discovery and assessment.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/migrate/assess
https://learn.microsoft.com/en-us/azure/migrate/concepts-overview?view=migrate

✗ **D** Azure Front Door
Azure Front Door provides application delivery capabilities, such as routing and accelerating application traffic. It does not project or manage non-Azure resources through ARM.

https://learn.microsoft.com/en-us/azure/networking/design-guide/app-delivery

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Question 39

Single choice · Domain: D3 Describe Azure management and governance › Describe features and tools for managing and deploying Azure resources

You have an Azure subscription.

You need to use Azure Cloud Shell to run a deployment script.

What should you use to access Cloud Shell?

A. Azure Resource Manager (ARM)
B. Microsoft Visual Studio
C. a Windows command prompt
D. a web browser

Answer: D. a web browser

Explanation

Use a web browser to open Azure Cloud Shell, commonly from the Azure portal. Cloud Shell provides a browser-accessible command-line environment for running deployment scripts, so it does not require Visual Studio or a local Windows command prompt. [1]

https://learn.microsoft.com/en-us/azure/cloud-shell/overview

✗ **A** Azure Resource Manager (ARM)
Azure Resource Manager is Azure's deployment and management service, not the interface used to access Cloud Shell. For this scenario, open Cloud Shell in a web browser and run the deployment script there. [1]

https://learn.microsoft.com/en-us/azure/cloud-shell/overview

✗ **B** Microsoft Visual Studio
Visual Studio is not required to access Azure Cloud Shell. Cloud Shell is available through a web browser, so it can be used to run the script without launching Visual Studio. [1]

https://learn.microsoft.com/en-us/azure/cloud-shell/overview

✗ **C** a Windows command prompt
A local Windows command prompt is separate from Azure Cloud Shell and is not how you access it. Cloud Shell is opened through a web browser and provides its own command-line environment. [1]

https://learn.microsoft.com/en-us/azure/cloud-shell/overview

✓ **D** a web browser
Azure Cloud Shell is a browser-accessible shell that can be opened from the Azure portal. Use the browser to access Cloud Shell, then run the deployment script in its command-line environment. [1]

https://learn.microsoft.com/en-us/azure/cloud-shell/overview

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Question 40

Yes / No · Domain: D3 Describe Azure management and governance › Describe monitoring tools in Azure

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
Azure Advisor provides personalized recommendations.	☐	☐
Azure Advisor can provide cost recommendations for virtual machines.	☐	☐
Azure Advisor can provide recommendations across multiple Azure subscriptions.	☐	☐

Answer

- Azure Advisor provides personalized recommendations. **Yes**
- Azure Advisor can provide cost recommendations for virtual machines. **Yes**
- Azure Advisor can provide recommendations across multiple Azure subscriptions. **Yes**

Explanation

All three statements are true. Azure Advisor provides personalized recommendations based on your Azure usage and configuration, including cost recommendations such as optimizing virtual machine spending. Advisor recommendations can also be viewed across multiple subscriptions when you have access to those subscriptions.

https://learn.microsoft.com/en-us/azure/advisor/view-recommendations
https://learn.microsoft.com/en-us/azure/advisor/advisor-overview
https://learn.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations

✓ **Statement 1** Azure Advisor provides personalized recommendations.
Azure Advisor analyzes your Azure resources and usage to provide recommendations tailored to your environment. Therefore, this statement is true.

https://learn.microsoft.com/en-us/azure/advisor/advisor-overview

✓ **Statement 2** Azure Advisor can provide cost recommendations for virtual machines.
Azure Advisor's cost recommendations include ways to reduce virtual machine costs, such as identifying underutilized or oversized VMs. Therefore, it can provide cost recommendations for virtual machines.

https://learn.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations

✓ **Statement 3** Azure Advisor can provide recommendations across multiple Azure subscriptions.
Advisor recommendations can be accessed for subscriptions you are authorized to view, and its recommendations can be queried across subscriptions. Therefore, recommendations are not limited to a single Azure subscription.

https://learn.microsoft.com/en-us/azure/advisor/view-recommendations
https://learn.microsoft.com/en-us/azure/advisor/advisor-azure-resource-graph

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