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**Practice Test 2**

Completed on 23-May-2020

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01

**Marks Obtained**

49 / 55

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89.09%

**Time Taken**

N/A

**Result****Congratulations! Passed**

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**Domains wise Quiz Performance Report**

No	1
Domain	Understand Core Azure Services
Total Question	17
Correct	16
Incorrect	1
Unattempted	0
Marked for review	0
No	2
Domain	Understand Azure Pricing and Support
Total Question	13
Correct	12
Incorrect	1
Unattempted	0
Marked for review	0
No	3
Domain	Understand Security, Privacy, Compliance, and Trust
Total Question	20
Correct	16
Incorrect	4
Unattempted	0
Marked for review	0
No	4
Domain	Understand Cloud Concepts
Total Question	5
Correct	5
Incorrect	0
Unattempted	0
Marked for review	0
Total	Total
All Domain	All Domain
Total Question	55
Correct	49
Incorrect	6
Unattempted	0
Marked for review	0

Review the Answers

Sorting by

All



Question 1**Correct****Domain :Understand Core Azure Services**

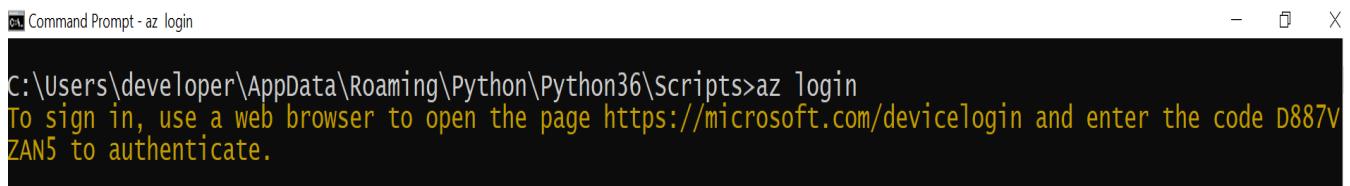
An IT Engineer needs to create a Virtual Machine in Azure. Currently the IT Engineer has a Windows desktop along with Azure Command Line interface. Which of the following would the IT engineer need to use the Azure Command Line Interface. Choose 2 answers from the options given below

- A. Powershell ✓
- B. File and Print Explorer
- C. Command Prompt ✓
- D. Control Panel

Explanation:

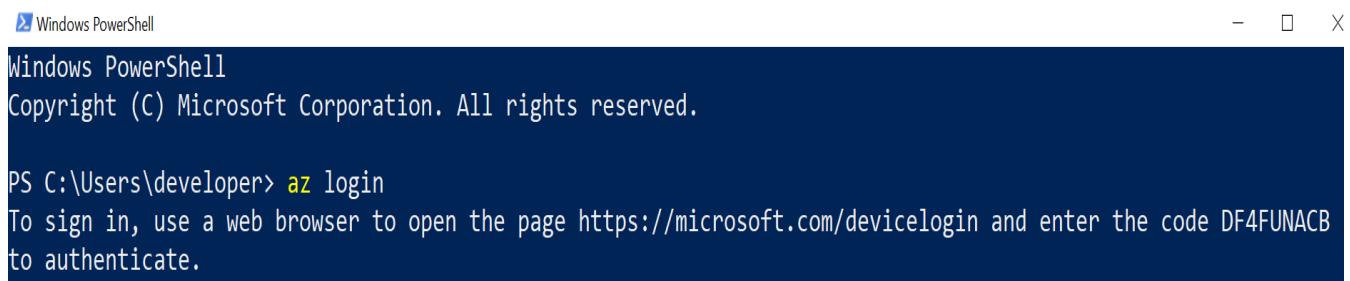
Answer – A and C

You can launch the Azure command line tool from command prompt as shown below



```
Command Prompt - az login
C:\Users\developer\AppData\Roaming\Python\Python36\Scripts>az login
To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code D887V
ZAN5 to authenticate.
```

Or you could also launch it from powershell as shown below



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\developer> az login
To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code DF4FUNACB
to authenticate.
```

Options B and D are incorrect because you can't launch Azure Command Line from any of these options.

For more information on Azure Command Line Interface, please visit the below URL

<https://docs.microsoft.com/en-us/cli/azure/get-started-with-azure-cli?view=azure-cli-latest>

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

A company is planning on setting up an Azure Free Account. Does the Standard Support plan come along with the Azure Free Account?

- A. Yes
- B. No

Explanation:

Answer – B

Basic support plan is the default one which is associated to all Azure accounts. In order to have Standard Support Plan, it needs to be purchased.

Compare support plans

Explore the range of Azure support options and choose the plan that best fits, whether you're a developer just starting your cloud journey or a large organization deploying business-critical, strategic applications.

BASIC	DEVELOPER	STANDARD	PROFESSIONAL DIRECT	PREMIER
Request support	Purchase support	Purchase support	Purchase support	Contact Premier
Scope Basic is the default plan that we get, which is free.	Available to all Microsoft Azure accounts	Microsoft Azure: Trial and non-production environments Standard Plan needs to be purchased.	Microsoft Azure: Production workload environments	All Microsoft Products, including Azure: Business-critical dependence Substantial dependence across multiple products

For more information on the comparison of Support plans, please visit the below URL

<https://azure.microsoft.com/en-us/support/plans/>

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 3****Correct****Domain :Understand Azure Pricing and Support**

A customer is planning on creating several Azure Free Accounts. Can a customer have an allowance of a maximum of 10 Azure Free Accounts?

- A. Yes
- B. No 

Explanation:

Answer – B

A customer can only have one Azure Free Account. This is also given in the Microsoft documentation

How many free account subscriptions am I allowed to sign up for?

There is a limit of one subscription with 12 months free access to products and \$200 credit per new customer. You can, however, have multiple other subscription types (such as pay-as-you-go) within a single free account.

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

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

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 4****Incorrect****Domain :Understand Security, Privacy, Compliance, and Trust**

Your company is planning on hosting resources in Azure. Can an administrator give access to users who does not have an Azure AD account to access resources in Azure?

- A. Yes 
- B. No 

Explanation:

Answer – A

Azure has other capabilities in place that can allow other users to access Azure-based resources. For example, Azure has the feature of Azure AD Business to Business collaboration where the users don't have to be defined in Azure.

The Microsoft documentation mentions the following on Azure B2B

Collaborate with any partner using their identities

With Azure AD B2B, the partner uses their own identity management solution, so there is no external administrative overhead for your organization.

- The partner uses their own identities and credentials; Azure AD is not required.
- You don't need to manage external accounts or passwords.
- You don't need to sync accounts or manage account lifecycles.

For more information on Azure B2B, please visit the below URL

<https://docs.microsoft.com/en-us/azure/active-directory/b2b/what-is-b2b>

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Question 5

Incorrect

Domain :Understand Azure Pricing and Support

A company is planning on purchasing Azure AD Premium for their Azure account. Does the Azure AD Premium tier come with an SLA of 99.9%?

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

Answer – A

Yes, this is also mentioned in the Microsoft documentation

SLA for Azure Active Directory

Last updated: June 2015

We guarantee at least 99.9% availability of the Azure Active Directory Basic and Premium services. The services are considered available in the following scenarios:

- Users are able to login to the service, login to the Access Panel, access applications on the Access Panel and reset passwords.
- IT administrators are able to create, read, write and delete entries in the directory or provision or de-provision users to applications in the directory.

No SLA is provided for the Free tier of Azure Active Directory.

For more information on Azure AD SLA, please visit the below URL

https://azure.microsoft.com/en-us/support/legal/sla/active-directory/v1_0/

<https://azure.microsoft.com/en-us/support/legal/sla/summary/>

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[View Queries](#)[open ▾](#)**Question 6****Correct****Domain :Understand Azure Pricing and Support**

A company wants to try out some services which are being offered by Azure in Public Preview. Should the company deploy resources which are part of Public Preview in their production environment?

 A. Yes B. No

Explanation:

Answer – B

As mentioned below in the Microsoft documentation, there is no SLA or guarantee for any service in Public Preview. So, you should not look at deploying such services in production

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Last updated: December 2018

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<https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/>

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Question 7

Correct

Domain :Understand Core Azure Services

A company is planning on using Azure Synapse Analytics for hosting their sales historical data. Which of the following is a feature of the Azure SQL Datawarehouse architecture?

- A. High Availability
- B. Scalability
- C. Disaster Recovery
- D. Visualization

Explanation:

Answer – B

The Microsoft documentation mentions the following on the scalability of the compute architecture of the Azure SQL Datawarehouse architecture

With decoupled storage and compute, SQL Data Warehouse can:

- Independently size compute power irrespective of your storage needs.
- Grow or shrink compute power without moving data.
- Pause compute capacity while leaving data intact, so you only pay for storage.
- Resume compute capacity during operational hours.

Options A and C are incorrect because this is something that you have to ensure with the capabilities available in Azure

Option D is incorrect since you need to use other tools for handling the visualization of data in a SQL Datawarehouse

For more information on the architecture for SQL Datawarehouse, please visit the below URL

<https://docs.microsoft.com/en-us/azure/sql-data-warehouse/massively-parallel-processing-mpp-architecture>

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Question 8

Correct

Domain :Understand Cloud Concepts

A company is planning on creating several SQL Databases in Azure. They would be using the Azure SQL Database service. Which of the following is the right category to which the Azure SQL Database service belongs to?

- A. Infrastructure as a service (IaaS)
- B. Platform as a service (PaaS) 

- C. Software as a service (SaaS)
- D. Function as a service (FaaS)

Explanation:

Answer – B

This is given in the Microsoft documentation

- **Azure SQL Database:** A fully-managed SQL database engine, based on the latest stable Enterprise Edition of SQL Server. This is a relational database-as-a-service (DBaaS) hosted in the Azure cloud that falls into the industry category of *Platform-as-a-Service (PaaS)*. **SQL database** is built on standardized hardware and software that is owned, hosted, and maintained by Microsoft. With SQL Database, you can use built-in features and functionality that require extensive configuration in SQL Server. When using SQL Database, you pay-as-you-go with options to scale up or out for greater power with no interruption. SQL Database has additional features that are not available in SQL Server, such as built-in intelligence and management. Azure SQL Database offers several deployment options:

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

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-paas-vs-sql-server-iaas>

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Question 9

Correct

Domain :Understand Core Azure Services

A company is planning on using Azure Storage Accounts. They have the following requirement

- Storage of 2 TB of data
- Storage of a million files

Would using Azure Storage fulfil these requirements?

- A. Yes 
- B. No

Explanation:

Answer – A

If you look at the Microsoft documentation, Azure storage has a high limit on the amount that can be stored and no limit on the number of files

Standard storage account scale limits

The following table describes default limits for Azure Storage. The *ingress* limit refers to all data (requests) being sent to a storage account. The *egress* limit refers to all data (responses) being received from a storage account.

Resource	Default limit
Number of storage accounts per region per subscription, including both standard and premium accounts	250
Max storage account capacity	2 PB for US and Europe, 500 TB for all other regions including UK
Max number of blob containers, blobs, file shares, tables, queues, entities, or messages per storage account	No limit

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

<https://docs.microsoft.com/en-us/azure/storage/common/storage-scalability-targets>

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Question 10

Incorrect

Domain :Understand Core Azure Services

A company is planning on using Azure Storage Accounts. They have the following requirement

- Option in Azure portal to automatically replicate data to another region

Can the Azure storage account automatically replicate data to another region?

- A. Yes 
- B. No 

Explanation:

Answer – A

Home > Storage accounts > Create storage account

Create storage account

Basics Advanced Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more](#)

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription: Microsoft Azure Sponsorship

* Resource group: Select existing... [Create new](#)

INSTANCE DETAILS

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

* Storage account name:

* Location: (US) East US

Performance: Standard Premium

Account kind: StorageV2 (general purpose v2)

Replication: Read-access geo-redundant storage (RA-GRS) 

Access tier (default): Cool Hot

You need to set the replication strategy in order to make this possible. Below is the table on the redundancy for storage accounts

Scenario	LRS	ZRS	GRS	RA-GRS
Node unavailability within a data center	Yes	Yes	Yes	Yes
An entire data center (zonal or non-zonal) becomes unavailable	No	Yes	Yes	Yes
A region-wide outage	No	No	Yes	Yes

For ensuring data is replicated to another region, you have to choose either Geo redundant storage or Read access geo redundant storage.

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

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

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Question 11

Incorrect

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to make use of Azure for deployment of various solutions. They want to ensure that suspicious attacks and threats to resources in their Azure account are prevented. Which of the following helps prevent such attacks by using in-built sensors in Azure?

- A. Azure AD Identity Protection
- B. Azure DDoS attacks ×
- C. Azure privileged identity management
- D. Azure Advanced Threat protection ✓

Explanation:

Answer – D

The Microsoft documentation states the below feature on the Azure Advanced Threat protection service

Monitor and profile user behavior and activities

Azure ATP monitors and analyzes user activities and information across your network, such as permissions and group membership, creating a behavioral baseline for each user. Azure ATP then identifies anomalies with adaptive built-in intelligence, giving you insights into suspicious activities and events, revealing the advanced threats, compromised users, and insider threats facing your organization. Azure ATP's proprietary sensors monitor organizational domain controllers, providing a comprehensive view for all user activities from every device.

Options A and C are incorrect since these are used for protecting identities in Azure AD

Option B is incorrect since this is a solely a solution to protect against DDoS attacks

For more information on Azure Advanced Thread protection, please visit the below URL

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

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Question 12

Incorrect

Domain :Understand Security, Privacy, Compliance, and Trust

A company is planning on hosting resources in Azure. They want to ensure that Azure complies with the rules and regulations of the region for hosting resources. Which of the following can assist the company in getting the required compliance reports?

- A. Azure AD
- B. Microsoft Trust Center
- C. Azure Advisor
- D. Azure Security Center

Explanation:

Answer – B

The Microsoft documentation mentions below on what are the services offered by the Microsoft Trust Center

Here's what you find at the Microsoft Trust Center:

- [Security](#) – Learn how all the Microsoft Cloud services are secured.
- [Privacy](#) – Understand how Microsoft ensures privacy of your Data in the Microsoft cloud.
- [Compliance](#) – Discover how Microsoft helps organizations comply with national, regional, and industry-specific requirements governing the collection and use of individuals' data.
- [Transparency](#) – View how Microsoft believes that you control your data in the cloud and how Microsoft helps you know as much as possible about how that data is handled.
- [Products and Services](#) – See all the Microsoft Cloud products and services in one place
- [Service Trust Portal](#) – Obtain copies of independent audit reports of Microsoft cloud services, risk assessments, security best practices, and related materials.
- [What's New](#) – Find out what's new in Microsoft Cloud Trust
- [Resources](#) – Investigate white papers, videos, and case studies on Microsoft Trusted Cloud

The [Microsoft Trust Center](#) has what you need to understand what we do to secure the Microsoft Cloud.

Option A is incorrect since this is used for identity management

Option C is incorrect since this is used to provide recommendations in Azure

Option D is incorrect since this is a unified infrastructure security management system in Azure

For more information on Microsoft Trust Center, please visit the below URL

<https://docs.microsoft.com/en-us/azure/security/security-microsoft-trust-center>

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Question 13

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has just deployed a Virtual Machine named demovm to Azure. The overview of the Virtual Machine is shown below.

Connect Start Restart Stop Capture Delete Refresh

Resource group (change)	Computer name
whizlabs-rg	demovm
Status	Operating system
Running	Windows
Location	Size
UK South	Standard DS1 v2 (1 vcpus, 3.5 GB memory)
Subscription (change)	Public IP address
Pay-As-You-Go	51.145.8.105
Subscription ID	Virtual network/subnet
baaa99b3-1d19-4c5e-90e1-39d55de5fc6e	whizlabs-rg-vnet/default
	DNS name
	Configure

Tags ([change](#))

[Click here to add tags](#)

The company needs to know if the underlying infrastructure in Azure hosting the Virtual Machine has any issues? Where could they view such issues?

- A. Azure Advisor
- B. Azure AD
- C. The Virtual Machine blade 
- D. Azure Monitor

Explanation:

Answer – C

You can see for any service health issues for the infrastructure of the Virtual Machine in the VM blade itself. Just go to Resource health as shown below

demovm - Resource health

Virtual machine

Search (Ctrl+ /) Refresh

Resource health watches your resource and tells you if it's running as expected. [Learn more](#)

Available 2

There aren't any known Azure platform problems affecting this virtual machine

[Report](#) incorrect health status

What actions can you take?

- If you're having problems, use the [Troubleshoot tool](#) to get recommended solutions.
- If you are experiencing problems you believe are caused by Azure, [contact support](#)

Health history

Resource health events over the last 2 weeks

DATE	DESCRIPTION
Loading...	

DATE DESCRIPTION

1

Option A is incorrect since this is used to provide recommendations in Azure

Option B is incorrect since this is used for identity management

Option D is incorrect since will give you the health of the entire Azure Infrastructure but will not specifically let you know on the infrastructure health for just the Virtual Machine.

For more information on Azure resource health, please visit the below URL

<https://docs.microsoft.com/en-us/azure/service-health/resource-health-overview>

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Question 14**Correct****Domain :Understand Azure Pricing and Support**

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

Virtual Machine Name
Virtual Machine Size
Region
demovm
B1S
East US 2
demovm1
B1S
West Central US

Would both the Virtual Machines always generate the same monthly costs?

- A. Yes
- B. No

Explanation:

Answer – B

The costing for Virtual Machine depends on the region where it is hosted

Below is a screenshot from the link given below where the pricing for a Virtual Machine changes as the region value changes

<https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/>

OS/Software:	Region:	Currency:	Display pricing by:
Windows OS	East US 2	Indian Rupee (₹)	Hour

Category: [All](#) General purpose Compute optimised Memory optimised Storage optimised GPU High performance compute

Bs-series

Bs-series are economical virtual machines that provide a low-cost option for workloads that typically run at a low to moderate baseline CPU performance, but sometimes need to burst to significantly higher CPU performance when the demand rises. These workloads do not require the use of the full CPU all the time, but occasionally will need to burst to finish some tasks more quickly. Many applications such as development and test servers, low traffic web servers, small databases, micro services, servers for proof-of-concepts, build servers and code repositories fit into this model.

 SHOW AZURE HYBRID BENEFIT PRICING

Add to estimate	Instance	vCPU(s)	RAM	Temporary storage	Pay as you go with AHB	1 year reserved with AHB (% Savings)	3 year reserved with AHB (% Savings)	Spot with AHB (% Savings)
	B1S	1	1 GiB	4 GiB	₹0.6875/hour	₹0.3999/hour (~42%)	₹0.2591/hour (~62%)	--

OS/Software:	Region:	Currency:	Display pricing by:
Windows OS	West Central US	Indian Rupee (₹)	Hour

Category: [All](#) General purpose Compute optimised Memory optimised Storage optimised GPU High performance compute

Bs-series

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Add to estimate	Instance	vCPU(s)	RAM	Temporary storage	Pay as you go with AHB	1 year reserved with AHB (% Savings)	3 year reserved with AHB (% Savings)	Spot with AHB (% Savings)
	B1S	1	1 GiB	4 GiB	₹0.8263/hour	₹0.4832/hour (~42%)	₹0.3120/hour (~62%)	--

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

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

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Question 15

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has a set of resources deployed to Azure. They want to make use of the Azure Advisor tool. Would the Azure Advisor tool give recommendations on tenancy?

- A. Yes
- B. No

Explanation:

Answer – B

If you see the Azure Advisor as shown below, the main area recommendations are High Availability , Security , Performance and Cost.

The screenshot shows the Azure Advisor interface. At the top, there are tabs: Overview, High Availability (3), Security (7), Performance (0), Cost (1), and All (11). The Cost tab is highlighted with a red border. Below the tabs, a purple banner says "For more cost management and optimization capabilities, try Azure Cost Management". The main area shows the following data:

Total recommendations	Recommendations by impact	Impacted resources	Potential yearly savings
1	1 High impact, 0 Medium impact, 0 Low impact	1 Virtual machine	34 USD

Below this, there's a table with columns: IMPACT, DESCRIPTION, POTENTIAL YEARLY SAVINGS*, and IMPACTED RESOURCES. One row is visible:

IMPACT	DESCRIPTION	POTENTIAL YEARLY SAVINGS*	IMPACTED RESOURCES
High	Buy virtual machine reserved instances to save money over pay-as-you-go costs	34.44 USD	1 Virtual machine

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

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

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Question 16

Correct

Domain :Understand Core Azure Services

A company is planning on deploying resources to Azure. Which of the following in Azure provides a platform for defining the dependencies between resources so they're deployed in the correct order.?

- A. Azure Resource Groups
- B. Azure policies
- C. Azure Management Groups
- D. Azure Resource Manager

Explanation:

Answer – D

The Microsoft documentation mentions the following

The benefits of using Resource Manager

With Resource Manager, you can:

- Manage your infrastructure through declarative templates rather than scripts.
- Deploy, manage, and monitor all the resources for your solution as a group, rather than handling these resources individually.
- Redeploy your solution throughout the development lifecycle and have confidence your resources are deployed in a consistent state.
- Define the dependencies between resources so they're deployed in the correct order.
- Apply access control to all services in your resource group because Role-Based Access Control (RBAC) is natively integrated into the management platform.
- Apply tags to resources to logically organize all the resources in your subscription.
- Clarify your organization's billing by viewing costs for a group of resources sharing the same tag.

Option A is incorrect since this provides a means to categorize resources deployed to Azure. It's not a platform

Option B is incorrect since this allows you to govern Azure resources

Option C is incorrect since this allows you to efficiently manage access, policies, and compliance for those subscriptions

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

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

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Question 17**Correct****Domain :Understand Core Azure Services**

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

- Provide a digital online assistant that provides speech support

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

- A. Azure Machine Learning
- B. Azure IoT Hub
- C. Azure AI Bot 
- D. Azure Functions

Explanation:

Answer – C

The Microsoft documentation mentions the following

About Azure Bot Service

 ⓘ Note

This topic is for the latest release of the SDK (v4). You can find content for the older version of the SDK (v3) [here](#).

Azure Bot Service provides tools to build, test, deploy, and manage intelligent bots all in one place. Through the use of modular and extensible framework provided by the SDK, tools, templates, and AI services developers can create bots that use speech, understand natural language, handle questions and answers, and more.

Since this is a clear feature on the tool, all other options are incorrect

For more information on Azure AI Bot, please visit the below URL

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0>

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 18****Correct****Domain :Understand Core Azure Services**

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

- Uses past trainings to provide predictions that have high probability

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

- A. Azure Machine Learning 
- B. Azure IoT Hub
- C. Azure AI Bot
- D. Azure Functions

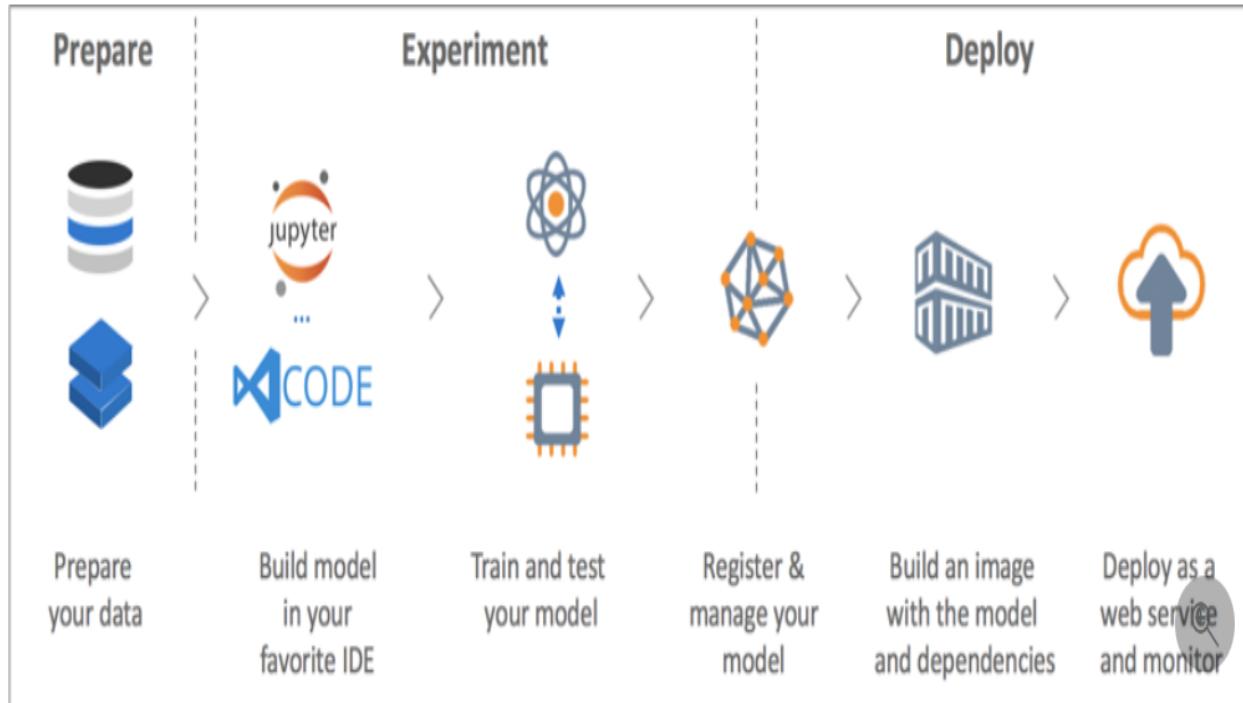
Explanation:

Answer – A

The Microsoft documentation mentions the following

What is Azure Machine Learning service?

Azure Machine Learning service provides a cloud-based environment you can use to develop, train, test, deploy, manage, and track machine learning models.



Since this is a clear feature on the tool, all other options are incorrect

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

<https://docs.microsoft.com/en-us/azure/machine-learning/service/overview-what-is-azure-ml>

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Question 19

Correct

Domain :Understand Core Azure Services

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

- Provides serverless computing functionalities

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

- A. Azure Machine Learning
- B. Azure IoT Hub
- C. Azure AI Bot
- D. Azure Functions 

Explanation:

Answer – D

The Microsoft documentation mentions the following

An introduction to Azure Functions

10/03/2017 • 4 minutes to read • Contributors  all

Azure Functions is a solution for easily running small pieces of code, or "functions," in the cloud. You can write just the code you need for the problem at hand, without worrying about a whole application or the infrastructure to run it. Functions can make development even more productive, and you can use your development language of choice, such as C#, F#, Node.js, Java, or PHP. Pay only for the time your code runs and trust Azure to scale as needed. Azure Functions lets you develop [serverless](#) applications on Microsoft Azure.

Since this is a clear feature on the tool, all other options are incorrect

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

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

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Question 20

Correct

Domain :Understand Core Azure Services

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

- Gives the ability to process data from millions of sensors

- A. Azure Machine Learning
- B. Azure IoT Hub 
- C. Azure AI Bot
- D. Azure Functions

Explanation:

Answer – B

The Microsoft documentation mentions the following

What is Azure IoT Hub?

07/04/2018 • 3 minutes to read • Contributors 

IoT Hub is a managed service, hosted in the cloud, that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages. You can use Azure IoT Hub to build IoT solutions with reliable and secure communications between millions of IoT devices and a cloud-hosted solution backend. You can connect virtually any device to IoT Hub.

Since this is a clear feature on the tool, all other options are incorrect

For more information on Azure IoT Hub, please visit the below URL

<https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub>

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Question 21

Correct

Domain :Understand Core Azure Services

A company has a number of resources hosted in Azure. They want to have a comprehensive solution for collecting, analyzing, and acting on telemetry from Azure cloud. Which of the following service would you use for this requirement?

- A. Azure Event Hubs
- B. Azure Analysis Services
- C. Azure Advisor
- D. Azure Monitor 

Explanation:

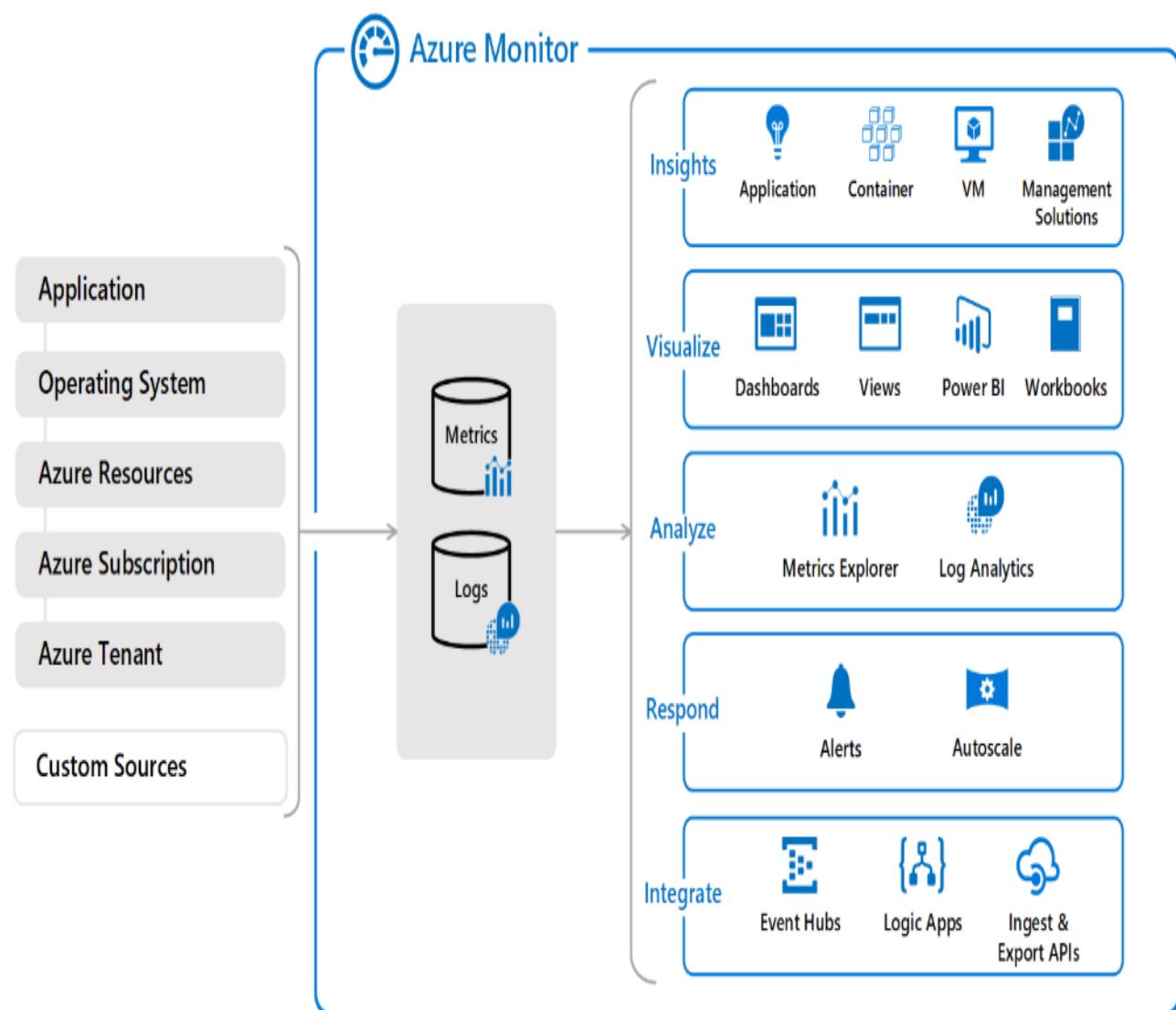
Answer – D

Azure Monitor maximizes the availability and performance of your applications and services by delivering a comprehensive solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments. It helps you understand how your applications are performing and proactively identifies issues affecting them and the resources they depend on.

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

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

You can use Azure Monitor to collect all the data from various sources as shown below. You can then perform interactive queries on the stored logs.



Option A is incorrect since this service is a big data streaming platform and event ingestion service

Option B is incorrect since this is a fully managed platform as a service (PaaS) that provides enterprise-grade data models in the cloud.

Option C is incorrect since this is used as a recommendation's engine

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Question 22

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has a virtual machine defined as demovm. This Virtual Machine was created with the standard settings. An application is installed on demovm. It now needs to be ensured that the

application can be accessed over the Internet via HTTP.

You propose the solution to modify the DDoS protection plan

Would this solution fit the requirement?

A. Yes

B. No

Explanation:

Answer – B

This service is specifically meant to protect your resources against a DDoS attack and not allow traffic into the Virtual machine

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

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

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Question 23

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has a virtual machine defined as demovm. This Virtual Machine was created with the standard settings. An application is installed on demovm. It now needs to be ensured that the application can be accessed over the Internet via HTTP using prioritized security rules and port ranges

You make modifications to the Azure firewall

Would this solution fit the requirement?

A. Yes

B. No

Explanation:

Answer – B

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

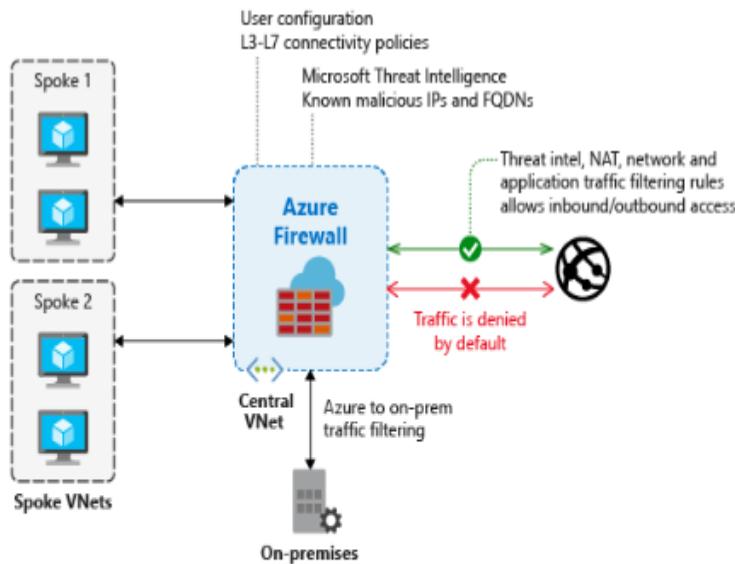
<https://docs.microsoft.com/en-us/azure/firewall/overview>

What is Azure Firewall?

05/11/2020 • 10 minutes to read • 5 contributors +5



Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.



You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network. The service is fully integrated with Azure Monitor for logging and analytics.

For information on Security Groups , please visit the below URL

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

Security rules

A network security group contains zero, or as many rules as desired, within Azure subscription [limits](#). Each rule specifies the following properties:

Property	Explanation
Name	A unique name within the network security group.
Priority	A number between 100 and 4096. Rules are processed in priority order, with lower numbers processed before higher numbers, because lower numbers have higher priority. Once traffic matches a rule, processing stops. As a result, any rules that exist with lower priorities (higher numbers) that have the same attributes as rules with higher priorities are not processed.

The question is asking for "using **prioritized** security rules and port ranges". Please note that "prioritized security rules" can **only** be added through a "**security group**". Through the Azure Firewall we can only add normal security rules but we **CANNOT** "prioritize" the security rules

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Question 24

Incorrect

Domain :Understand Security, Privacy, Compliance, and Trust

A company has a virtual machine defined as demovm. This Virtual Machine was created with the standard settings. An application is installed on demovm. It now needs to be ensured that the application can be accessed over the Internet via HTTP.

You modify the Azure Traffic Manager profile

Would this solution fit the requirement?

A. Yes 

B. No 

Explanation:

Answer – B

The Azure Traffic Manager is a DNS-based traffic load balancer

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

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

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Question 25

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has a virtual machine defined as demovm. This Virtual Machine was created with the standard settings. Now this virtual machine needs to communicate with other Azure resources outside the Virtual Network

You modify the Network Security Groups
Would this solution fit the requirement?

- A. Yes 
- B. No

Explanation:

Answer – A

You should change the Network Security group by adding a rule for allowing Inbound Traffic as shown below

Add inbound security rule

ol-ctp-sg

Basic

Source* Service Tag

Source service tag* VirtualNetwork

Source port ranges* *

Destination* Any

Destination port ranges* 80

Protocol* Any TCP UDP ICMP

Action* Allow Deny

Priority* 116

Name* Port_8080

1. Create an Inbound Network Security Rule
2. Ensure the Service Tag is the Internet
3. Ensure the destination port range is 80
4. Ensure the Action is placed as Allow

For more information on Virtual Network Security, please visit the below URL

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

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Question 26

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company is looking at the possibility of using Azure Government for development of their cloud-based solutions. Which of the following customers are allowed to use Azure Government? Choose 2 answers from the options given below

- A. A Canadian government contractor
- B. A European government contractor
- C. A United States government entity ✓
- D. A United States government contractor ✓
- E. A European government entity

Explanation:

Answer - C and D

This is given in the Microsoft documentation

What is Azure Government?

09/17/2018 • 2 minutes to read • Contributors 

US government agencies or their partners interested in cloud services that meet government security and compliance requirements, can be confident that [Microsoft Azure Government](#) provides world-class [security, protection, and compliance services](#). Azure Government delivers a dedicated cloud enabling government agencies and their partners to transform mission-critical workloads to the cloud. Azure Government services handle data that is subject to certain government regulations and requirements, such as FedRAMP, NIST 800.171 (DIB), ITAR, IRS 1075, DoD L4, and CJIS. In order to provide you with the highest level of security and compliance, Azure Government uses physically isolated datacenters and networks (located in U.S. only).

Azure Government customers (US federal, state, and local government or their partners) are subject to validation of eligibility. If there is a question about eligibility for Azure Government, you should consult your account team. To sign up for trial, request your [trial subscription](#).

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

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

<https://docs.microsoft.com/en-us/azure/azure-government/documentation-government-welcome>

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Question 27

Correct

Domain :Understand Azure Pricing and Support

A company plans to purchase an Azure Support plan. Below is a key requirement for the support plan

- Ensure that for high severity cases, there is a response within 10 minutes

A recommendation is made to purchase the Basic Support plan

Would this recommendation fulfil the requirement?

A. Yes

B. No 

Explanation:

Answer – B

As per the support plans, you can see that the Basic support plan has no SLA in place

	Basic	DEVELOPER	STANDARD	PROFESSIONAL DIRECT
		Request support	Purchase support	Purchase support
Price	Included for all Azure customers	\$29 per month	\$100 per month	\$1,000 per month
Scope	Included for all Azure customers	Trial and non-production environments	Production workload environments	Business-critical dependence
Billing and subscription management support	✓	✓	✓	✓
24/7 self-help resources, including Microsoft Learn , Azure portal how-to videos , documentation , and community support	✓	✓	✓	✓
Ability to submit as many support tickets as you need	✓	✓	✓	✓
Azure Advisor —your free, personalized guide to Azure best practices	✓	✓	✓	✓
Azure health status and notifications	✓	✓	✓	✓
24/7 access to technical support by email and phone	Available during business hours by email only.		✓	✓
Case severity and response time	Minimal business impact (Sev C): Within eight business hours ¹		Minimal business impact (Sev C): Within eight business hours ¹ Moderate business impact (Sev B): Within four hours Critical business impact (Sev A): Within one hour	Minimal business impact (Sev C): Within four business hours ¹ Moderate business impact (Sev B): Within two hours Critical business impact (Sev A): Within one hour

For more information on the support plans, please visit the below URL

<https://azure.microsoft.com/en-us/support/plans/>

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Question 28

Correct

Domain :Understand Azure Pricing and Support

A company plans to purchase an Azure Support plan. Below is a key requirement for the support plan

- Ensure that for high severity cases, there is a response within 10 minutes

A recommendation is made to purchase the Professional Direct Support plan

Would this recommendation fulfil the requirement?

A. Yes

B. No

Explanation:

Answer – B

As per the support plans, you can see that the Professional Direct support plan has an SLA of 1 hour for Critical business impact cases.

This means that the response time for high severity cases may be within an hour and not strictly within 10 minutes as per the requirement given in the question

Whizlabs Online Certification Training | Azure Support Plans Comparison

<https://azure.microsoft.com/en-us/support/plans/>

	Basic	DEVELOPER	STANDARD	PROFESSIONAL DIRECT
	Request support	Purchase support	Purchase support	Purchase support
Price	Included for all Azure customers	\$29 per month	\$100 per month	\$1,000 per month
Scope	Included for all Azure customers	Trial and non-production environments	Production workload environments	Business-critical dependence
Billing and subscription management support	✓	✓	✓	✓
24/7 self-help resources, including Microsoft Learn , Azure portal how-to videos , documentation , and community support	✓	✓	✓	✓
Ability to submit as many support tickets as you need	✓	✓	✓	✓
Azure Advisor—your free, personalized guide to Azure best practices	✓	✓	✓	✓
Azure health status and notifications	✓	✓	✓	✓
24/7 access to technical support by email and phone	Available during business hours by email only.		✓	✓
<u>Case severity and response time</u>		Minimal business impact (Sev C); Within eight business hours ¹	Minimal business impact (Sev C); Within four business hours ¹	Minimal business impact (Sev C); Within four business hours ¹
		Moderate business impact (Sev B); Within four hours	Moderate business impact (Sev B); Within two hours	Moderate business impact (Sev B); Within two hours
		Critical business impact (Sev A); Within one hour	Critical business impact (Sev A); Within one hour	Critical business impact (Sev A); Within one hour
Third-party software support with				

Windows Taskbar icons: File Explorer, Microsoft Edge, File, Mail, Photos, OneDrive, Google Chrome, Microsoft Teams, Excel, Word, Powerpoint, etc.

System tray icons: Volume, Network, Battery, Date/Time (6:28 PM, 5/15/2020, 22)

For more information on the support plans, please visit the below URL

<https://azure.microsoft.com/en-us/support/plans/>

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[View Queries](#)[open ▾](#)**Question 29****Correct****Domain :Understand Azure Pricing and Support**

A company plans to purchase an Azure Support plan. Below is a key requirement for the support plan

- Ensure that for high severity cases, the response is within 15 minutes

A recommendation is made to purchase the Standard Support plan.

Would this recommendation fulfil the requirement?

- A. Yes
- B. No

Explanation:

Answer – B

As per Azure Support Plans, we do not have Premier Plan and fixing of severity issues in ">15 minutes" is no more available. Please find the latest support plans that Azure is providing.

	Basic	DEVELOPER	STANDARD	PROFESSIONAL DIRECT
	Request support	Purchase support	Purchase support	Purchase support
Price	Included for all Azure customers	\$29 per month	\$100 per month	\$1,000 per month
Scope	Included for all Azure customers	Trial and non-production environments	Production workload environments	Business-critical dependence
Billing and subscription management support	✓	✓	✓	✓
24/7 self-help resources, including Microsoft Learn , Azure portal how-to videos , documentation , and community support	✓	✓	✓	✓
Ability to submit as many support tickets as you need	✓	✓	✓	✓
Azure Advisor —your free, personalized guide to Azure best practices	✓	✓	✓	✓
Azure health status and notifications	✓	✓	✓	✓
24/7 access to technical support by email and phone		Available during business hours by email only.	✓	✓
Case severity and response time		Minimal business impact (Sev C); Within eight business hours ¹	Minimal business impact (Sev C); Within eight business hours ¹ Moderate business impact (Sev B); Within four hours Critical business impact (Sev A); Within one hour	Minimal business impact (Sev C); Within four business hours ¹ Moderate business impact (Sev B); Within two hours Critical business impact (Sev A); Within one hour

For more information on the support plans, please visit the below URL

<https://azure.microsoft.com/en-us/support/plans/>

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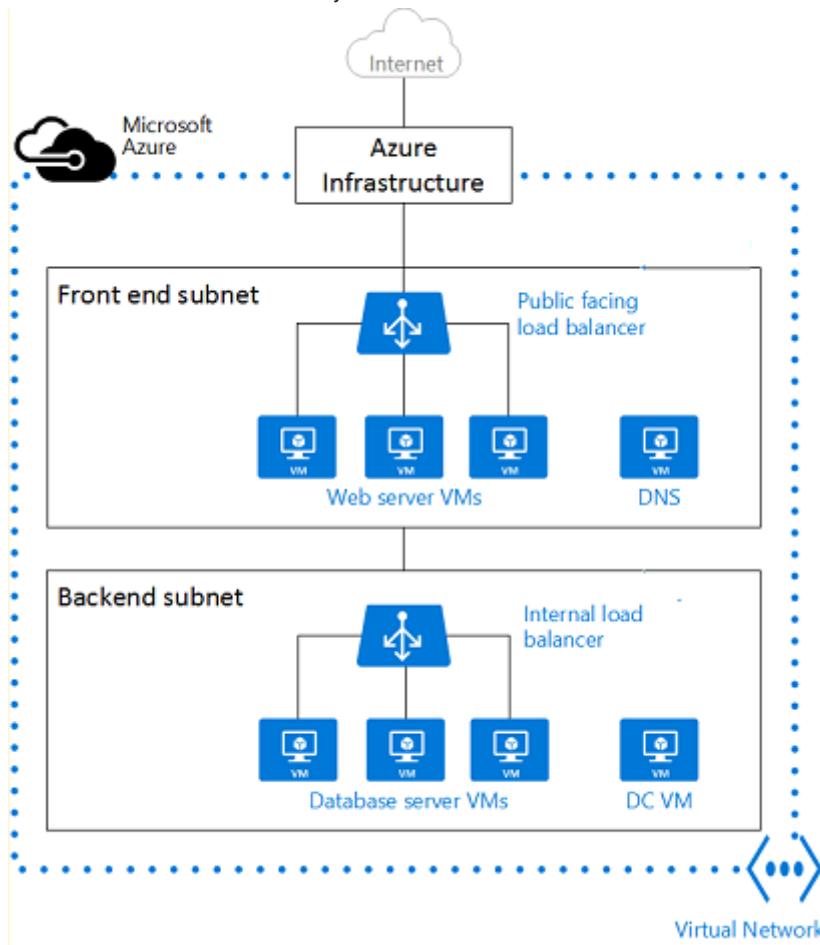
open ▾

Question 30

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company is planning on deploying a web server and database server as shown in the architecture diagram below. You have to ensure that traffic restrictions are in place so that the database server can only communicate with the web server.



Which of the following would you recommend for implementing these restrictions?

- A. Network security groups (NSGs) ✓
- B. Azure Service Bus
- C. A local network gateway
- D. A Virtual Private Gateway

Explanation:

Answer – A

You should use network security groups to allow or deny traffic within subnets.

Below is what the Microsoft documentation mentions in terms of filtering of network traffic

Traffic filtering

- You can filter network traffic between resources in a virtual network using a network security group, an NVA that filters network traffic, or both. To deploy an NVA, such as a firewall, to filter network traffic, see the [Azure Marketplace](#). When using an NVA, you also create custom routes to route traffic from subnets to the NVA. Learn more about [traffic routing](#).
 - A network security group contains several default security rules that allow or deny traffic to or from resources. A network security group can be associated to a network interface, the subnet the network interface is in, or both. To simplify management of security rules, it's recommended that you associate a network security group to individual subnets, rather than individual network interfaces within the subnet, whenever possible.
 - If different VMs within a subnet need different security rules applied to them, you can associate the network interface in the VM to one or more application security groups. A security rule can specify an application security group in its source, destination, or both. That rule then only applies to the network interfaces that are members of the application security group. Learn more about [network security groups](#) and [application security groups](#).
 - Azure creates several default security rules within each network security group. One default rule allows all traffic to flow between all resources in a virtual network. To override this behavior, use network security groups, custom routing to route traffic to an NVA, or both. It's recommended that you familiarize yourself with all of Azure's [default security rules](#) and understand how network security group rules are applied to a resource.
-
- Option B is incorrect since this is used as a messaging system
 - Option C is incorrect since this is used to represent a VPN device in a Site-to-Site VPN connection
 - Option D is incorrect since this is normally used to connect networks together via the Internet
-
- For more information on network planning and design, please visit the below URL
 - <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-vnet-plan-design-arm>

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

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

- A. Yes
- B. No

Explanation:

Answer – B

Services in public preview are only available upon request to all customers. An example is given below. If you go to the services available in beta phase and click on "Try it"

The screenshot shows the Microsoft Azure homepage. At the top, there's a search bar with the URL <https://azure.microsoft.com/en-us/services/preview/>. Below the search bar is the Microsoft Azure logo and a navigation bar with links like Overview, Solutions, Products (which is underlined), Documentation, Pricing, Training, Marketplace, Partners, Support, Blog, More, and Free account. On the right side of the header, there are links for Contact Sales, Search, My account, Portal, and Sign in.

The main content area features two sections: "Increased Azure Managed Disks Storage Capacities" and "Azure Ultra SSD". Each section has a small icon of two overlapping disks, a title, a description, and a "Learn more >" link. To the right of each section is a green "Try it >" button. A large red arrow points from the "Try it >" button in the "Increased Azure Managed Disks Storage Capacities" section down towards the "Try it >" button in the "Azure Ultra SSD" section.

Increased Azure Managed Disks Storage Capacities

New Azure Managed Disks SKUs with greater storage capacity and increased performance are now in Preview. We are increasing the sizes and throughput associated with our Azure Managed Disks offerings. All existing Azure Managed Disk offerings (Premium SSD, Standard SSD and Standard HDD) will now feature 8, 16 and 32 TiB disk sizes. Premium SSD performance will now reach up to 20,000 IOPS and 750MBps. Standard SSD and Standard HDD performance will now reach up to 2,000 IOPS and 500MBps. These capabilities will allow you to significantly expand storage capacity while simplifying management and achieving better performance.

[Learn more >](#)

Azure Ultra SSD

For your most demanding data-intensive workloads, Ultra SSDs – an Azure Managed Disks solution - offer unprecedented and extremely scalable performance with sub-millisecond latency. Choose a disk size from 4GiB up to 64 TiB, achieve the optimal performance you need per disk even at low storage capacities. Ultra SSDs are capable of achieving 160,000 IOPS on a single disk.

[Learn more >](#)

You will be directed to complete a form to avail the preview of the service.

Ultra SSD Disks - Preview

Thank you for your interest in participating in the Ultra SSD Disks limited Public Preview.

Overview:

Ultra SSD is a new Azure Managed Disk offering for your most latency-sensitive and high IOPS workloads. Ultra SSDs deliver unprecedented and extremely scalable performance with sub-millisecond latency:

- Choose a disk size from 4GiB up to 64TiB
- Achieve the optimal performance you need per disk even at low storage capacities
- Scale performance beyond 80000 IOPS and throughput up to 2 GB/s per disk without restarting your virtual machines using our flexible and innovative architecture

Ultra SSDs are currently available in our East US 2 Region.

To leverage the full capabilities of Ultra SSDs, we are also introducing a new VM Size as part of this preview that will allow you to reach up to 160K storage IOPS.

Please complete the signup survey questions below. We will review all responses and will reach out to you if we have any additional questions.

* Required

1. Your full name *

Enter your answer

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

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

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Question 32**Correct****Domain :Understand Security, Privacy, Compliance, and Trust**

A company wants to make use of an Azure service in public preview. Are Azure services in public preview available to all customers?

- A. Yes
- B. No

Explanation:

Answer – A

An example is given below. Here there is a preview available for Virtual Machines in Azure Monitor.

[Create a resource](#)[Home](#)[Dashboard](#)[All services](#)[FAVORITES](#)[All resources](#)[Resource groups](#)[App Services](#)[Function Apps](#)[SQL databases](#)[Azure Cosmos DB](#)[Virtual machines](#)[Load balancers](#)[Storage accounts](#)[Virtual networks](#)[Azure Active Directory](#)

Dashboard > Monitor - Overview

Monitor - Overview

Microsoft

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Monitor & Visualize Metrics

Metrics are numerical values available from Azure Resources helping you understand the health, operation & performance of your systems.

For more information on updates to the Azure platform, please visit the below URL

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

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Question 33**Correct****Domain :Understand Azure Pricing and Support**

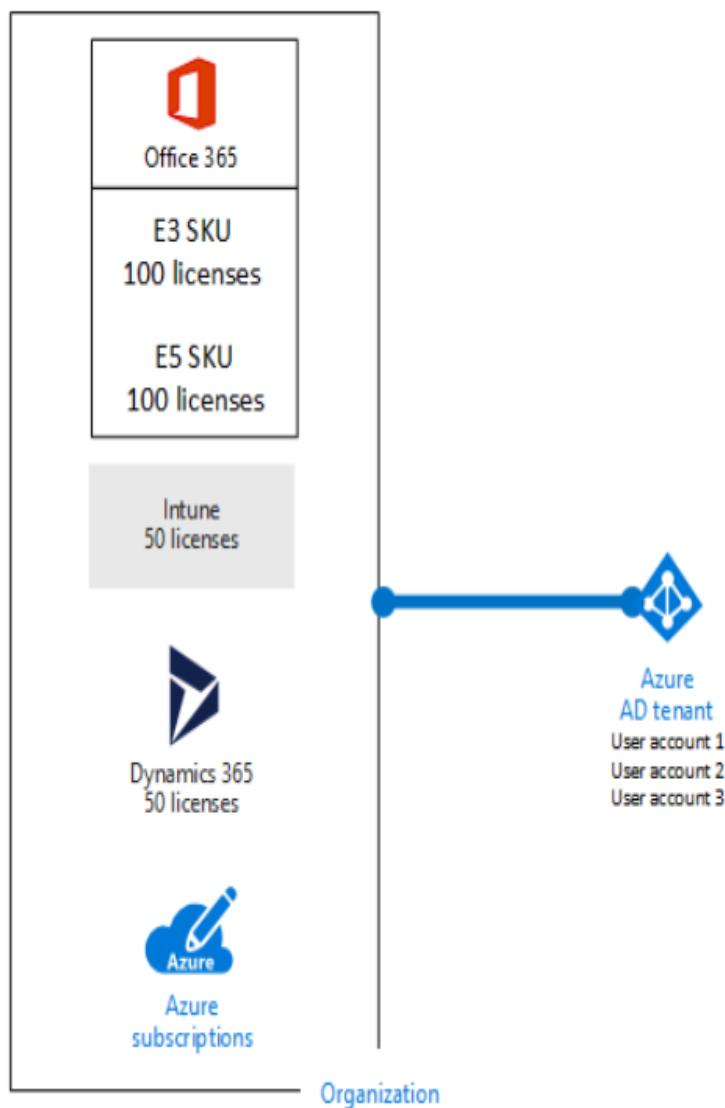
A company is planning on setting up an Azure account. Can they purchase multiple Azure subscriptions and associate all subscriptions to a single Azure account?

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

Answer – A

Yes, you can have multiple subscriptions against a single AD tenant as shown below in the Microsoft documentation

Figure 3: Multiple subscriptions of an organization that use the same Azure AD tenant



- For more information on subscriptions, licenses and tenants please visit the below URL
 - <https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings>

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Question 34

Correct

Domain :Understand Azure Pricing and Support

Your company has multiple subscriptions in Azure and the administrators want to transfer billing ownership of the subscriptions between your company's accounts
Does your administrator need to contact Microsoft for this activity ?

- A. Yes
- B. No 

Explanation:**Answer – B**

Ideally you would look to transfer subscriptions under one account and manage them centrally. If you go to your subscription, there will be a Transfer subscription option as shown below

F1 - FREE PLAN

10 1 Hour included

DATE PURCHASED

2/2/2018

0.10 1 GB

DATA TRANSFER OUT - ZONE 1

5 1 GB included

CURRENT BILLING PERIOD

1/13/2019 - 2/12/2019

9.00 1

EMAILS - AZURE MONITOR

1,000 1 included

1.00 1

DIAGNOSTIC TOOL API - NETWORK WATCHER

1,000 1 included

0.00 1M

STANDARD MESSAGING OPERATIONS - SERVICE BUS

13 1M included

- Manage payment methods
- Download usage details
- Contact Microsoft Support
- Edit subscription details
- Change subscription address
- Partner information
- Switch to another offer
- Transfer subscription
- Cancel subscription



ACCOUNT ADMINISTRATOR
demousr2016@gmail.com

For more information on transferring subscriptions please visit the below URL

- <https://docs.microsoft.com/en-us/azure/billing/billing-subscription-transfer>

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Question 35

Correct

Domain :Understand Azure Pricing and Support

A company has multiple subscriptions. They want to create resources in different subscriptions. Is it possible to create the same type of Azure resources in different Azure subscriptions?

- A. Yes
- B. No

Explanation:

Answer – A

An example of this is given below. Here we have 2 storage accounts created in one Azure account, under multiple subscriptions

The screenshot shows the Azure portal's 'All resources' view. At the top, there are buttons for 'Add', 'Edit columns', 'Refresh', 'Assign tags', 'Delete', 'Export to CSV', and 'Try preview'. Below this, a search bar and filter options are available. The main table lists two items: 'whizlabstore10' and 'whizlabstore20'. The columns include NAME, TYPE, RESOURCE GROUP, LOCATION, and SUBSCRIPTION. The 'SUBSCRIPTION' column is highlighted with a red border. It shows 'Visual Studio Enterprise with MSDN' for the first row and 'Pay-As-You-Go' for the second row.

NAME	TYPE	RESOURCE GROUP	LOCATION	SUBSCRIPTION
whizlabstore10	Storage account	whizlabs-rg	Central US	Visual Studio Enterprise with MSDN
whizlabstore20	Storage account	whizlabs-rg-new	Central US	Pay-As-You-Go

For more information on Azure resource manager, please visit the below URL

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

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Question 36

Correct

Domain :Understand Core Azure Services

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

- Provide an analytics service for BI and machine learning needs

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

- A. Azure Content Delivery Network
- B. Azure Synapse
- C. Azure Load Balancer
- D. Azure Cosmos DB

Explanation:

Answer – B

The Microsoft documentation mentions the following

What is Azure Synapse Analytics (formerly SQL DW)?

11/04/2019 • 2 minutes to read •  +12

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

Azure Synapse has four components:

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

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

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

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Question 37

Correct

Domain :Understand Core Azure Services

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

- Provide an efficient way to distribute web content to users across the world

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

- A. Azure Content Delivery Network ✓
- B. Azure SQL Datawarehouse
- C. Azure Load Balancer
- D. Azure HD Insight

Explanation:

Answer – A

The Microsoft documentation mentions the following

What is a content delivery network on Azure?

05/09/2018 • 3 minutes to read • Contributors  all

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

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

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

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

Since this is a clear feature on the tool, all other options are incorrect

For more information on Azure Content Delivery, please visit the below URL

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

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Question 38

Correct

Domain :Understand Core Azure Services

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

Provide the ability to distribute user traffic to a set of backend Virtual Machines

- A. Azure Content Delivery Network
- B. Azure SQL Datawarehouse
- C. Azure Load Balancer
- D. Azure HD Insight

Explanation:

Answer – C

The Microsoft documentation mentions the following

What is Azure Load Balancer?

01/11/2019 • 15 minutes to read • Contributors  all

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

Load Balancer distributes new inbound flows that arrive on the Load Balancer's frontend to backend pool instances, according to rules and health probes.

Additionally, a public Load Balancer can provide outbound connections for virtual machines (VMs) inside your virtual network by translating their private IP addresses to public IP addresses.

Azure Load Balancer is available in two SKUs: Basic and Standard. There are differences in scale, features, and pricing. Any scenario that's possible with Basic Load Balancer can also be created with Standard Load Balancer, although the approaches might differ slightly. As you learn about Load Balancer, it is important to familiarize yourself with the fundamentals and SKU-specific differences.

Since this is a clear feature on the tool, all other options are incorrect

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

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

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Question 39

Correct

Domain :Understand Core Azure Services

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

Provide a cloud service that makes it easy, fast, and cost-effective to analyse streaming data using open source frameworks like Apache Hadoop.

Which of the following Azure services would meet the criteria?

- A. Azure Content Delivery Network

- B. Azure SQL Datawarehouse
- C. Azure Load Balancer
- D. Azure HD Insight ✓

Explanation:

Answer – D

The Microsoft documentation mentions the following

Azure HDInsight Documentation

Learn how to use Azure HDInsight to analyze streaming or historical data. Tutorials and other documentation show you how to create clusters, process and analyze big data, and develop solutions using the most popular open-source frameworks, like Apache Hadoop, Apache Spark, Apache Hive, Apache LLAP, Apache Kafka, Apache Storm, and Microsoft Machine Learning Server.

Azure HDInsight is a fully managed, full-spectrum, open-source analytics service for enterprises. HDInsight is a cloud service that makes it easy, fast, and cost-effective to process massive amounts of data. HDInsight also supports a broad range of scenarios, like extract, transform, and load (ETL); data warehousing; machine learning; and IoT.

Since this is a clear feature on the tool, all other options are incorrect

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

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

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Question 40

Correct

Domain :Understand Azure Pricing and Support

A company is planning on hosting a set of resources in their Azure subscription. They are currently aware that most Azure Service can provide an SLA of 99.9%. Which of the following technique could be used to increase the uptime for resources hosted in Azure?

- A. Adding resources to multiple regions
- B. Adding resources to the same data center
- C. Adding resources to the same resource group
- D. Adding resources to the same subscription

Explanation:

Answer – A

By having an additional region for your resources, you have more options if the primary regions goes down for any reason. This can increase the availability of your entire application and hence give a better uptime on the SLA.

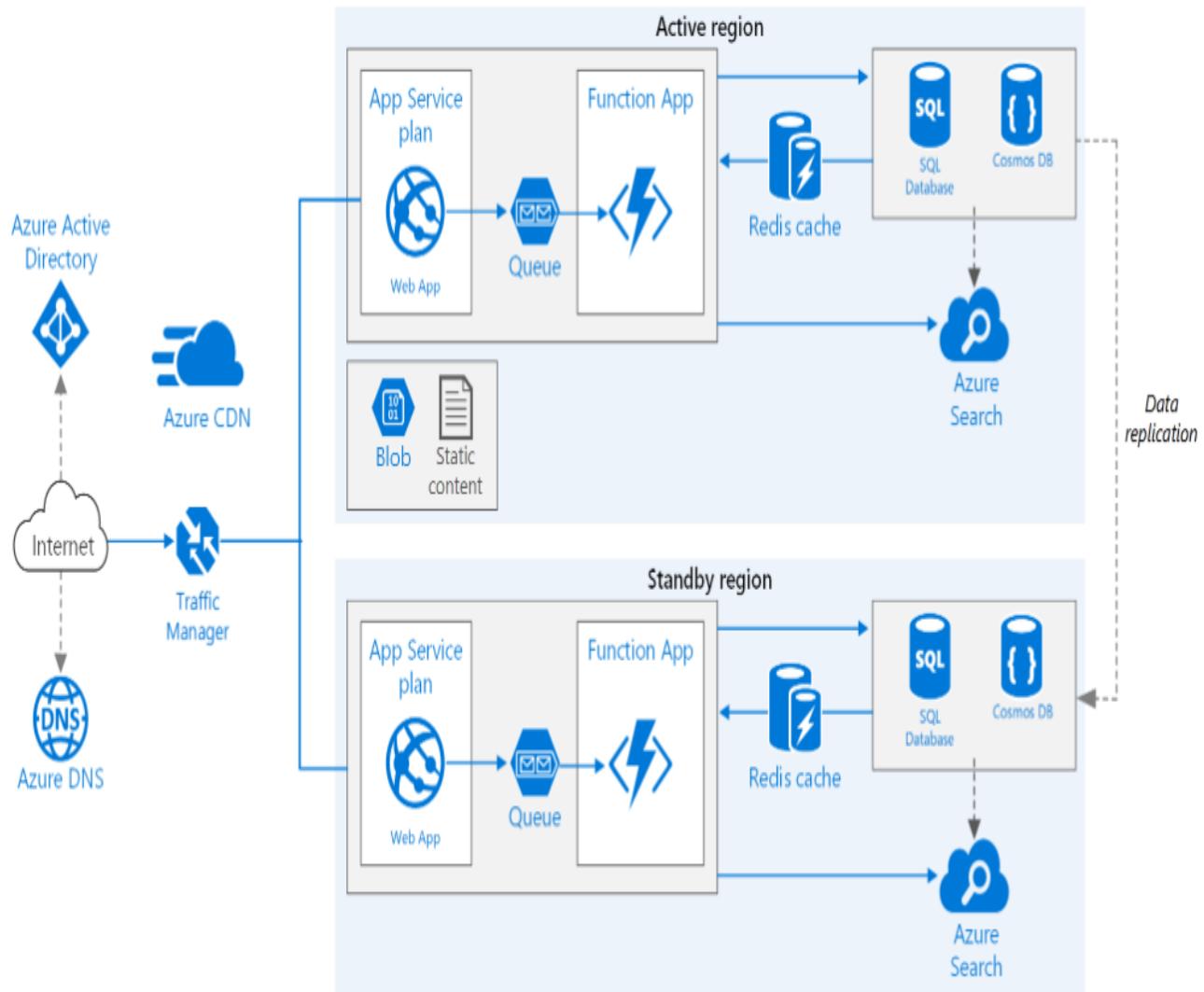
An example architecture of a highly available architecture for a web application is shown below

This is from the Microsoft documentation

Run a web application in multiple Azure regions for high availability

10/25/2018 • 8 minutes to read • Contributors  all

This reference architecture shows how to run an Azure App Service application in multiple regions to achieve high availability.



All other options are invalid, because the best-case scenario is to split resources across different availability zones or regions.

For more information on an example for high availability for your application, please visit the below URL

<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/app-service-web-app/multi-region>

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[View Queries](#)[open ▾](#)**Question 41****Correct****Domain :Understand Cloud Concepts**

A company is planning on using Azure Cloud for hosting resources. Which of the following is a key advantage of hosting resources in the Azure public cloud?

- A. All users across the world can access the resources in your Azure account
- B. High reliability - a vast network of servers ensures against failure
- C. Only privileged users can have access to resources in your Azure account
- D. You pay a capital upfront cost when using resources in the public cloud

Explanation:

Correct Answer: B

What is a public cloud?

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

Advantages of public clouds:

- Lower costs—no need to purchase hardware or software and you pay only for the service you use.
- No maintenance—your service provider provides the maintenance.
- Near-unlimited scalability—on-demand resources are available to meet your business needs.
- High reliability—a vast network of servers ensures against failure.

- Reference URL
 - <https://azure.microsoft.com/en-in/overview/what-are-private-public-hybrid-clouds/>

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 42****Correct****Domain :Understand Security, Privacy, Compliance, and Trust**

A company needs to deploy several virtual machines. Each of these virtual machines will have the same set of permissions. To minimize the administrative overhead, in which would you deploy the Azure Virtual Machines?

- A. Azure policies
- B. Azure Virtual Machine Scale sets
- C. Azure Resource Groups 
- D. Azure Tags

Explanation:

Answer – C

When you deploy a resource to a resource group which has a set of permissions defined, the resource will inherit the permissions assigned to the resource group. An example is shown below.

1. An example is shown below where a resource group has a permission defined.

whizlabs-rg - Access control (IAM)

Check access Role assignments Deny assignments Roles

Manage access to Azure resources for users, groups, service principals and managed identities at this scope by creating role assignments. [Learn more](#)

Name	Type	Role	Scope
Search by name or email	All	Reader	All scopes
Group by	Role		
1 items (1 Users)			
NAME	TYPE	ROLE	SCOPE
UserA	User	Reader	This resource
UserA@demousr2016gma...			

- 1 And there is a resource defined in the resource group

whizlabstore
Storage account

Overview

Activity log

Resource group (change)
whizlabs-rg

Status
Primary: Available, Secondary: Available

- 1 If you go to the Access Control section of the resource, you will see that the permissions is inherited from the resource group.

The screenshot shows the Azure IAM Role Assignments portal. A red circle labeled '1' is at the top center. A red circle labeled '2' is on the left sidebar under 'Access control (IAM)'. A red circle labeled '3' is on the right side of the user row, pointing to the 'Resource group (Inherited)' link.

NAME	TYPE	ROLE	SCOPE
UserA UserA@demousr2016gma...	User	Reader	Resource group (Inherited)

For more information on role-based access control, please visit the below URL

- <https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-portal>

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Question 43

Correct

Domain :Understand Cloud Concepts

An application consists of a set of virtual machines hosted in a Virtual Network. In a month, the application seems to have a load of around 20% for 3 weeks. During the last week the load on the application reaches 80%. Which of the following concept would you implement to ensure that cost and efficiency of the underlying application infrastructure?

- A. High availability
- B. Elasticity
- C. Disaster recovery

D. Fault tolerance

Explanation:

Answer – B

Here the concept refers to Elasticity.

- In this use case, you could define a Virtual Machine Scale set in Azure
- You could define an initial set of Virtual Machines as part of the scale set that would run for the first 3 weeks.
- You can then add a scaling policy to add more Virtual Machines to support the application during the last week
- You can then add a scaling policy to remove the extra Virtual Machines at the end of last week to save on costs

All other options are incorrect since they all refer to availability of the infrastructure.

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

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

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Question 44

Correct

Domain :Understand Core Azure Services

A company wants to start using Azure. They want to make use of availability zones in Azure. Which of the following is attached to the concept of availability zones in Azure?

- A. Region failure
- B. Resource failure
- C. Data Center failure 
- D. Azure failure

Explanation:

Answer – C

The Microsoft documentation mentions the following

What are Availability Zones in Azure?

08/31/2018 • 2 minutes to read • Contributors  all

Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there's a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. Zone-redundant services replicate your applications and data across Availability Zones to protect from single-points-of-failure. With Availability Zones, Azure offers industry best 99.99% VM uptime SLA. The full [Azure SLA](#) explains the guaranteed availability of Azure as a whole.

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

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

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

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Question 45

Correct

Domain :Understand Core Azure Services

A company wants to start using Azure. They want to make use of availability zones in Azure. If they deploy resources across all regions in Azure, can they make use of availability zones in all regions in Azure?

- A. Yes
- B. No 

Explanation:

Answer – B

Currently availability zones are not available in all regions. You need to check first on the availability of zones in a region.

Below is the snapshot from the Microsoft documentation

Regions that support Availability Zones

- Central US
- East US 2
- France Central
- North Europe
- Southeast Asia
- West Europe
- West US 2

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

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

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Question 46

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company is planning on creating resources for different departments in Azure. They want to ensure that they get the bills department wise. Which of the following should you consider implementing for this requirement?

- A. Azure locks
- B. Azure tags
- C. Azure Monitor

D. Azure Advisor

Explanation:

Answer – B

The Microsoft documentation mentions the following

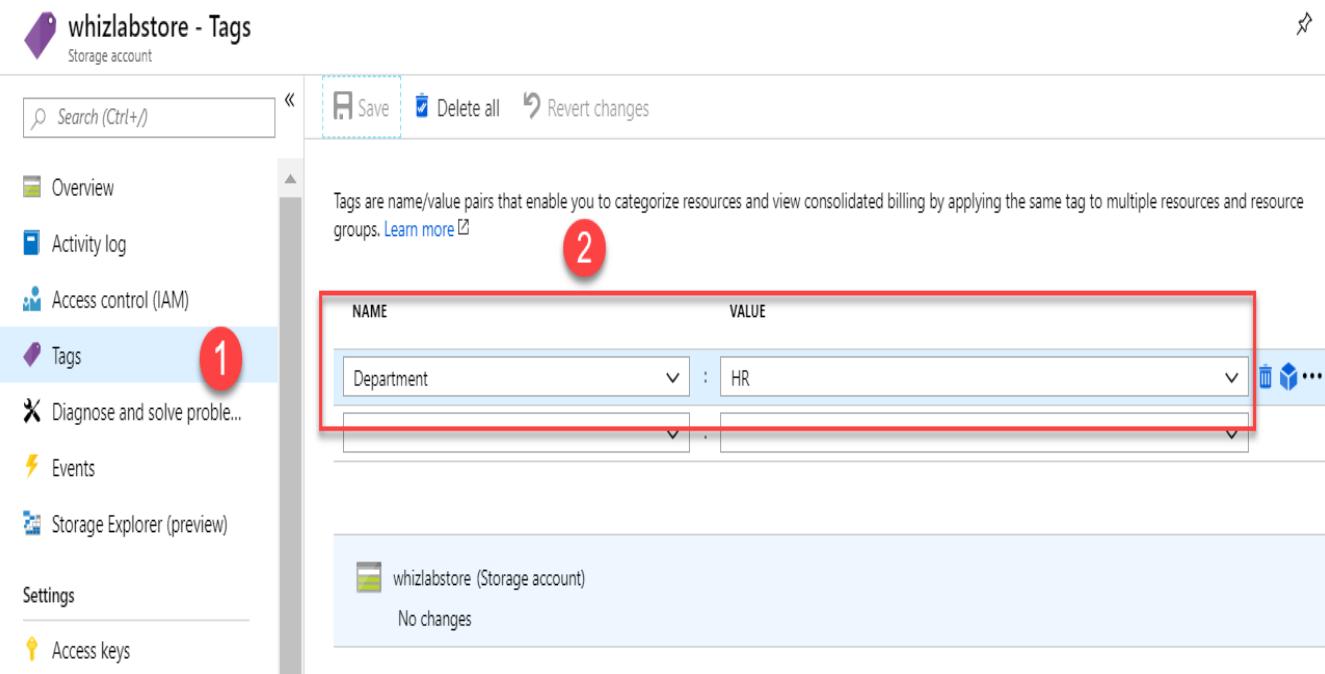
Use tags to organize your Azure resources

11/20/2018 • 10 minutes to read • Contributors 

You apply tags to your Azure resources giving metadata to logically organize them into a taxonomy. Each tag consists of a name and a value pair. For example, you can apply the name "Environment" and the value "Production" to all the resources in production.

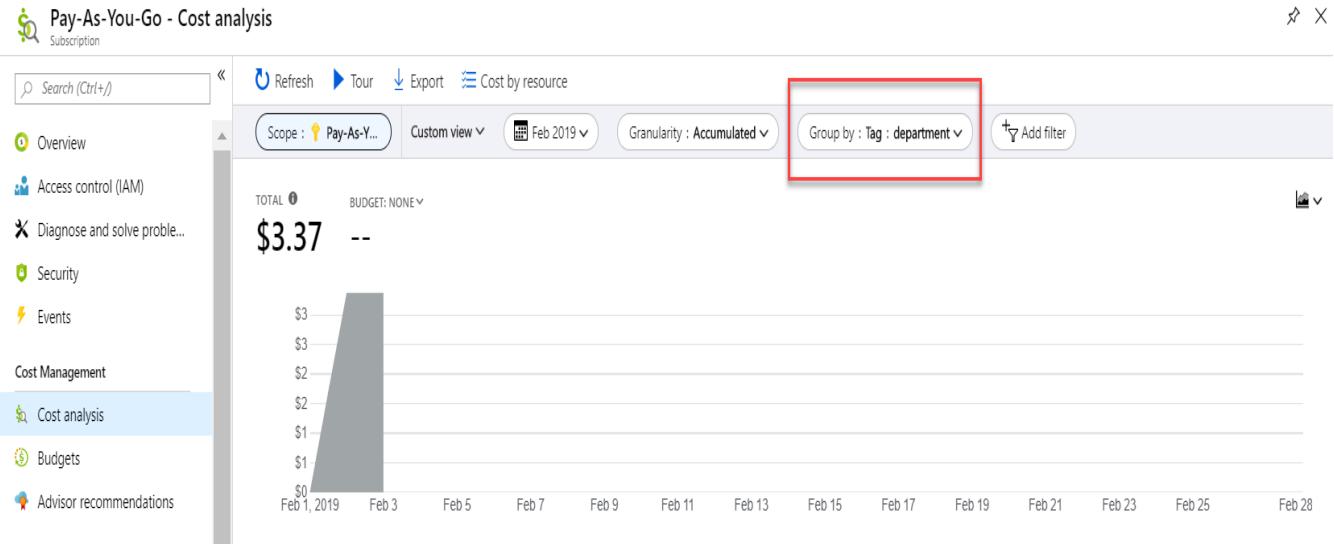
After you apply tags, you can retrieve all the resources in your subscription with that tag name and value. Tags enable you to retrieve related resources from different resource groups. This approach is helpful when you need to organize resources for billing or management.

An example is given below. Below is a resource being tagged. A department name and value are used as the tag.



NAME	VALUE
Department	HR

Then in cost analysis, you can segregate costs based on tags



Option A is incorrect since this is used to ensure that resources don't get accidentally deleted

Option C is incorrect since this is used to monitor resources

Option D is incorrect since this is used for providing recommendations in Azure

For more information on using tags, please visit the below URL

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

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Question 47

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company needs to create a set of resources in Azure. They have the requirement for IT Administrators that they create resources only in a certain region. Which of the following can help achieve this?

- A. Azure Tags
- B. Azure Policies ✓
- C. Azure Resource Groups
- D. Azure Locks

Explanation:

Answer – B

You can use Azure policy for governance of your resources. An example policy on this line is shown below

The screenshot shows the Azure Policy definition for 'Allowed locations'. It includes fields for Name, Description, Effect, Category, Definition location, Definition ID, Type, Mode, and a JSON definition.

Name: Allowed locations

Description: This policy enables you to restrict the locations your organization can specify when deploying resource...

Effect: Deny

Category: General

Definition location: --

Definition ID: /providers/Microsoft.Authorization/policyDefinitions/e56962a6-4747-49cd-b67b-bf8b01975c4

Type: Built-in

Mode: indexed

JSON Definition:

```

1  {
2    "if": {
3      "allOf": [
4        {
5          "field": "location",
6          "notIn": "[parameters('listOfAllowedLocations')]"
7        },
8        {
9          "field": "location",
10         "notEquals": "global"
11       },
12       {
13         "field": "type",
14         "notEquals": "Microsoft.AzureActiveDirectory/b2cDirectories"
15       }
16     ],
17   },
18   "then": {
19     "effect": "deny"
20   }
21 }

```

Option A is incorrect since this is used for management and billing purpose

Option C is incorrect since this is used to group resources

Option D is incorrect since this is used to ensure that resources don't get accidentally deleted

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

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

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Question 48**Correct****Domain :Understand Cloud Concepts**

Under which of the following cloud computing models would the Azure "Content Delivery" service fall into?

- A. Infrastructure as a service (IaaS)
- B. Platform as a service (PaaS)
- C. Software as a service (SaaS)
- D. Function as a service (FaaS)

Explanation:

Answer – B

The Platform for hosting Azure CDN is managed completely by Azure. Below is the description of the service from the Microsoft documentation

What is a content delivery network on Azure?

05/09/2018 • 3 minutes to read • Contributors  all

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

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

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

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

Since this is the right category for the service, all other options are incorrect.

- For more information on the Azure CDN service, please visit the below URL
 - <https://docs.microsoft.com/en-us/azure/cdn/cdn-overview>
 - <https://azure.microsoft.com/en-in/blog/enable-azure-cdn-directly-from-azure-cloud-services-portal-extension/>

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Question 49

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to host an application in Azure. The application connects to a database in Azure. The company would like to store the database password in a secure location. You recommend the usage of the Azure key vault for storage of the password. Would this fulfill the requirement?

- A. Yes 
- B. No

Explanation:

Answer – A

Yes, this is the right tool to use. Below is what the Microsoft documentation states about this service.

What is Azure Key Vault?

01/18/2019 • 6 minutes to read • Contributors  all

Azure Key Vault helps solve the following problems:

- **Secrets Management** - Azure Key Vault can be used to Securely store and tightly control access to tokens, passwords, certificates, API keys, and other secrets.
 - **Key Management** - Azure Key Vault can also be used as a Key Management solution. Azure Key Vault makes it easy to create and control the encryption keys used to encrypt your data.
 - **Certificate Management** - Azure Key Vault is also a service that lets you easily provision, manage, and deploy public and private Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with Azure and your internal connected resources.
 - **Store secrets backed by Hardware Security Modules** - The secrets and keys can be protected either by software or FIPS 140-2 Level 2 validates HSMs.
-
- For more information on the Azure Key vault, please visit the below URL
 - <https://docs.microsoft.com/en-us/azure/key-vault/key-vault-whatis>

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Question 50

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to host an application in Azure. The application connects to a database in Azure. The company wants to store the database password in a secure location. You recommend the usage of the Azure Security Center for storage of the password. Would this fulfill the requirement?

- A. Yes
- B. No 

Explanation:

Answer – B

This is used more of a protective layer for your resources in Azure. Below is what the Microsoft documentation states about this service.

What is Azure Security Center?

01/15/2019 • 8 minutes to read • Contributors 

Azure Security Center is a unified infrastructure security management system that strengthens the security posture of your data centers, and provides advanced threat protection across your hybrid workloads in the cloud - whether they're in Azure or not - as well as on premises.

Keeping your resources safe is a joint effort between your cloud provider, Azure, and you, the customer. You have to make sure your workloads are secure as you move to the cloud, and at the same time, when you move to IaaS (infrastructure as a service) there is more customer responsibility than there was in PaaS (platform as a service), and SaaS (software as a service). Azure Security Center provides you the tools needed to harden your network, secure your services and make sure you're on top of your security posture.

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

<https://docs.microsoft.com/en-us/azure/security-center/security-center-intro>

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Question 51

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to host an application in Azure. The application connects to a database in Azure. The company wants to store the database password in a secure location. You recommend the usage of the Azure Advisor for storage of the password. Would this fulfill the requirement?

- A. Yes

B. No

Explanation:

Answer – B

This is a recommendation tool. Below is what the Microsoft documentation states about this service.

What is Advisor?

Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.

With Advisor, you can:

- Get proactive, actionable, and personalized best practices recommendations.
 - Improve the performance, security, and high availability of your resources, as you identify opportunities to reduce your overall Azure spend.
 - Get recommendations with proposed actions inline.
-
- For more information on the Azure Advisor, please visit the below URL
 - <https://docs.microsoft.com/en-us/azure/advisor/advisor-overview>

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Question 52

Correct

Domain :Understand Core Azure Services

A company needs to connect their On-premise data center to an Azure Virtual Network using a Site-to-Site connection. Which of the following would you create as part of this implementation?

**Virtual network**[Quickstart tutorial](#)**Load Balancer**[Learn more](#)**Application Gateway**[Learn more](#)**Virtual network gateway**[Learn more](#)

- A. Virtual Network
- B. Load Balancer
- C. Application Gateway
- D. Virtual Private Network Gateway 

Explanation:

Answer – D

The Microsoft documentation mentions the following

What is VPN Gateway?

10/19/2018 • 11 minutes to read • Contributors  all

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

Option A is incorrect since this is used to create a network in Azure

Options B and C are incorrect since this is used to divert traffic to backend Virtual Machines

For more information on the Virtual Private gateway, please visit the below URL

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

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[View Queries](#)[open ▾](#)**Question 53****Correct****Domain :Understand Cloud Concepts**

A company is planning on setting up a private cloud network. Which of the following is an advantage of setting up a private cloud network?

- A. A Private Cloud environment can only support an Infrastructure as a service model
- B. A Private Cloud environment can only support a Platform as a service model
- C. The Private Cloud environment can be rolled out to the general public
- D. The Private Cloud environment can be rolled out to select users

Explanation:

Answer - D

The Microsoft documentation mentions the following

What is a private cloud?

The private cloud is defined as computing services offered either over the Internet or a private internal network and only to select users instead of the general public. Also called an internal or corporate cloud, private cloud computing gives businesses many of the benefits of a [public cloud](#) - including self-service, scalability, and elasticity - with the additional control and customization available from dedicated resources over a computing infrastructure hosted on-premises. In addition, private clouds deliver a higher level of security and privacy through both company firewalls and internal hosting to ensure operations and sensitive data are not accessible to third-party providers. One drawback is that the company's IT department is held responsible for the cost and accountability of managing the private cloud. So private clouds require the same staffing, management, and maintenance expenses as traditional datacenter ownership.

Two models for cloud services can be delivered in a private cloud. The first is [infrastructure as a service \(IaaS\)](#) that allows a company to use infrastructure resources such as compute, network, and storage as a service. The second is [platform as a service \(PaaS\)](#) that lets a company deliver everything from simple cloud-based applications to sophisticated-enabled enterprise applications. Private clouds can also be combined with public clouds to create a [hybrid cloud](#), allowing the business to take advantage of [cloud bursting](#) to free up more space and scale computing services to the public cloud when computing demand increases.

Since this is clearly mentioned, all other options are incorrect

For more information on the private cloud network, please visit the below URL

<https://azure.microsoft.com/en-us/overview/what-is-a-private-cloud/>

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Question 54

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company wants to setup resources in Azure. They want a way to manage identities in Azure. Which of the following is used as an Identity Management solution in Azure?

- A. Azure AD 
- B. Azure Advisor
- C. Azure Security Center
- D. Azure Monitor

Explanation:

Answer – A

The Microsoft documentation mentions the following

What is Azure Active Directory?

11/13/2018 • 9 minutes to read • Contributors  all

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

- External resources, such as Microsoft Office 365, the Azure portal, and thousands of other SaaS applications.
- Internal resources, such as apps on your corporate network and intranet, along with any cloud apps developed by your own organization.

Option B is incorrect since this is used to provide recommendations

Option C is incorrect since this is used to protect resources in Azure

Option D is incorrect since this is used to monitor resources in Azure

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

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

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Question 55

Correct

Domain :Understand Azure Pricing and Support

You are planning on setting up an Azure Free account. Which of the following is not correct when it comes to what is offered as part of the Azure Free account?

- A. 200 USD free credit to use for 30 days
- B. Free access to certain Azure products for 12 months
- C. Free access to most popular Azure products after the 12 months expiration period
- D. Access to certain products that are always free



Explanation:

Answer - C

The Microsoft documentation mentions the following

What is the Azure free account?

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

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

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

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

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