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**Practice Test 3**

Completed on 25-May-2020

**Congratulations, you passed. Keep it up****Attempt**

01

**Marks Obtained**

51 / 55

**Your score**

92.73%

**Time Taken**

N/A

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

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**Domains wise Quiz Performance Report**

No	1
Domain	Understand Cloud Concepts
Total Question	4
Correct	4
Incorrect	0
Unattempted	0
Marked for review	0
 No	2
Domain	Understand Core Azure Services
Total Question	29
Correct	25
Incorrect	3
Unattempted	1
Marked for review	0
 No	3
Domain	Understand Azure Pricing and Support
Total Question	10
Correct	10
Incorrect	0
Unattempted	0
Marked for review	0

No	4
Domain	Understand Security, Privacy, Compliance, and Trust
Total Question	11
Correct	11
Incorrect	0
Unattempted	0
Marked for review	0
No	5
Domain	Implement and manage application services
Total Question	1
Correct	1
Incorrect	0
Unattempted	0
Marked for review	0
<b>Total</b>	<b>Total</b>
All Domain	All Domain
Total Question	55
Correct	51
Incorrect	3
Unattempted	1
Marked for review	0

## Review the Answers

Sorting by

All

Question 1	Correct
Domain :Understand Cloud Concepts	
<p>Your company is planning on using the Azure App Service (PaaS) to host their set of web applications. Does Azure provide you full control over the operating system that hosts the web applications?</p> <p><input type="radio"/> A. Yes</p> <p><input checked="" type="radio"/> B. No <input checked="" type="checkbox"/></p>	

### Explanation:

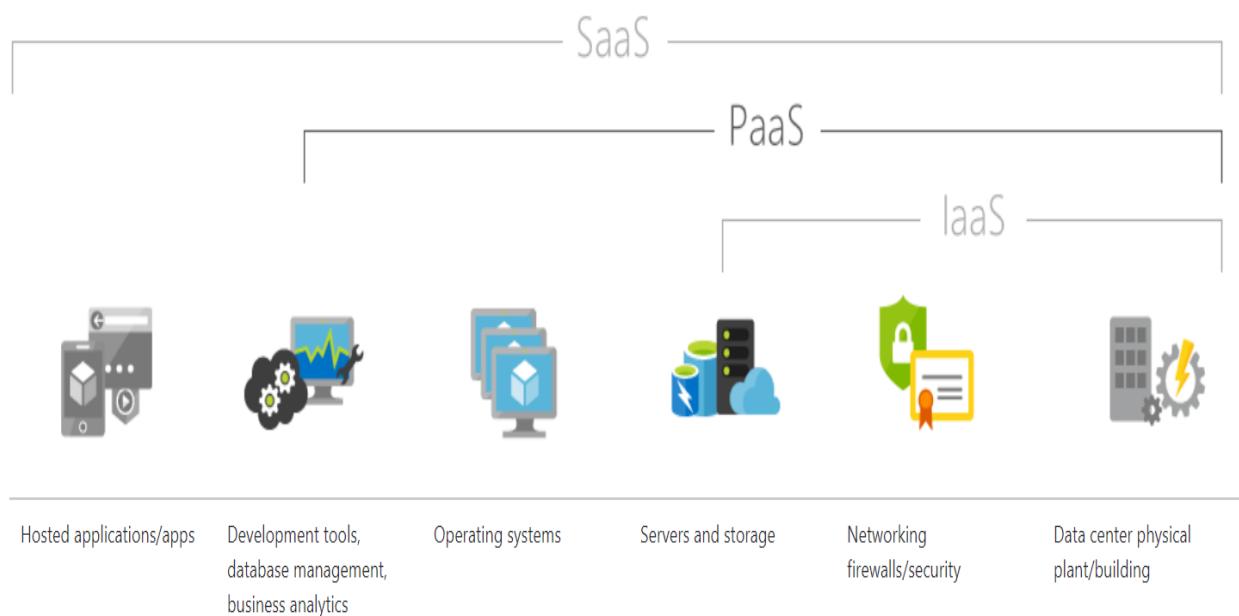
Answer – B

If you look at the PaaS definition from the Microsoft documentation, you can see that the underlying infrastructure is abstracted away from you and you don't need to manage the infrastructure

Platform as a service (PaaS) is a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications. You purchase the resources you need from a [cloud service provider](#) on a pay-as-you-go basis and access them over a secure Internet connection.

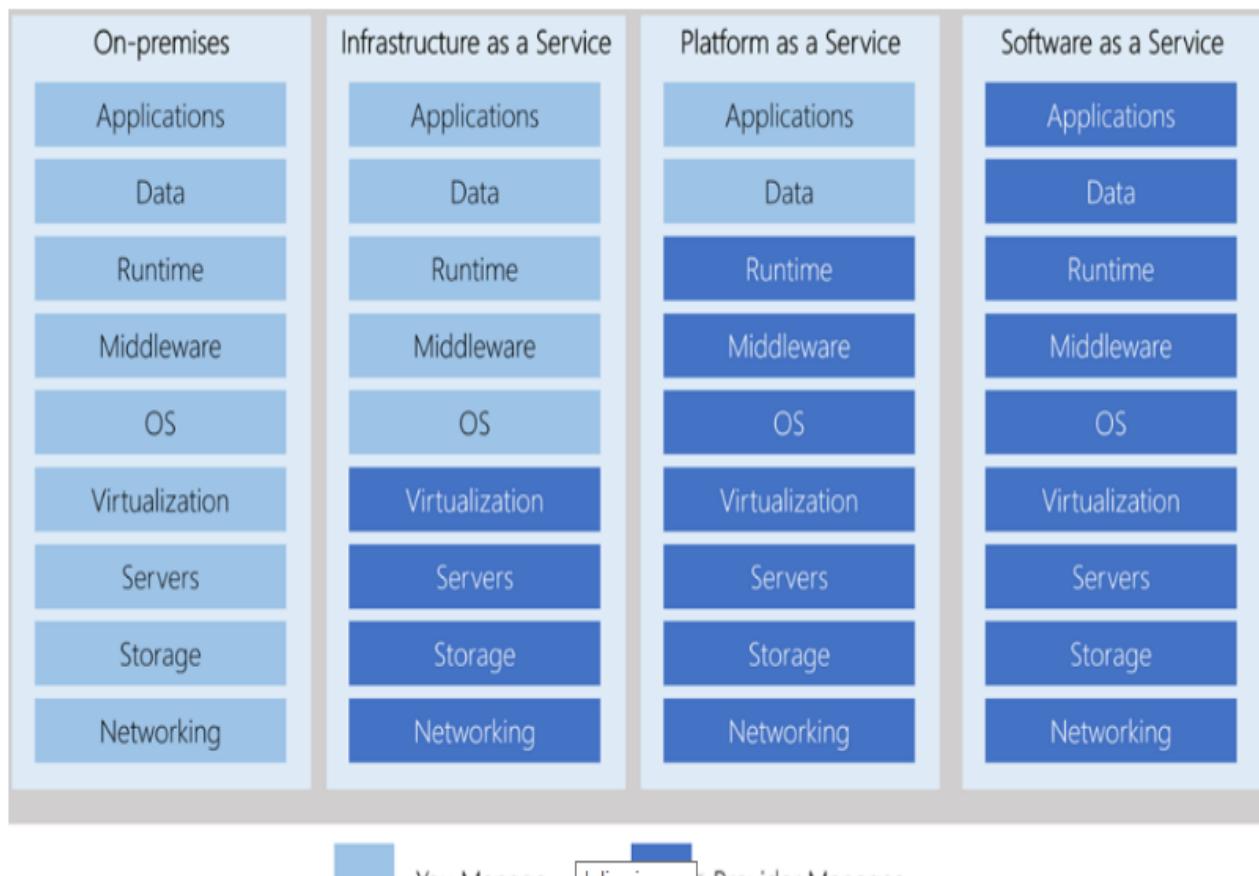
Like [IaaS](#), PaaS includes infrastructure—servers, storage, and networking—but also middleware, development tools, business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating.

PaaS allows you to avoid the expense and complexity of buying and managing software licenses, the underlying application infrastructure and middleware or the development tools and other resources. You manage the applications and services you develop, and the cloud service provider typically manages everything else.



For more information on Platform as a service, please visit the below URL

<https://azure.microsoft.com/en-us/overview/what-is-paas/>


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**Question 2**
**Correct**
**Domain :Understand Core Azure Services**

Your company is planning on using the Azure App Service (PaaS) to host their set of web applications. Does Azure provide the ability to scale the platform automatically?

- A. Yes
- B. No

**Explanation:**

Answer – A

Azure Web Apps have a lot of ways to scale their infrastructure based on the demand and load on the web app itself.

The Microsoft documentation shows ways in which you can scale up and scale out

- **Scale up:** Get more CPU, memory, disk space, and extra features like dedicated virtual machines (VMs), custom domains and certificates, staging slots, autoscaling, and more. You scale up by changing the pricing tier of the App Service plan that your app belongs to.
- **Scale out:** Increase the number of VM instances that run your app. You can scale out to as many as 20 instances, depending on your pricing tier. [App Service Environments](#) in **Isolated** tier further increases your scale-out count to 100 instances. For more information about scaling out, see [Scale instance count manually or automatically](#). There, you find out how to use autoscaling, which is to scale instance count automatically based on predefined rules and schedules.

For more information on web app scaling, please visit the below URL

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-scale>

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**Question 3**

Correct

Domain :Understand Azure Pricing and Support

Your company is planning on using the Azure App Service (PaaS) to host their set of web applications. As part of the App Service plan, does Microsoft automatically provide professional services and customizations to applications hosted in Azure Web Apps?

- A. Yes
- B. No

**Explanation:**

Answer – B

For any sort of professional services, you have to separately buy the appropriate support plan. It does not come as part of the App service plan

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 4

Correct

Domain :Understand Azure Pricing and Support

A company is planning on hosting their resources in Azure. The senior management wants to know what the capital expenditure (CapEx) and operational expenditure (OpEx) that would be incurred when moving to Azure. Does Azure provide flexibility when it comes to Operational expenditure (OpEx)?

- A. Yes 
- B. No

#### Explanation:

Answer – A

Azure has many different pricing models for its services.

- You have the Pay-as-you-go model where you only pay for the services you use
- You can use Reserved pricing. An example is the case with Virtual Machines in Azure. You can use Reserved pricing, pay an upfront cost and get huge discounts in the long run.

For more information on pricing for Azure, please visit the below URL

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

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## Question 5

Correct

Domain :Understand Azure Pricing and Support

A company is planning on setting up a Pay-as-you-go subscription in Azure. Would they have access to MSDN support forums?

- A. Yes
- B. No

**Explanation:**

Answer – A

MSDN is a free support plan and has no linkage with the subscription

The screenshot shows the Microsoft Developer Network (MSDN) forum homepage. At the top, there's a navigation bar with links for Microsoft, Developer Network, Sign in, Subscriber portal, and Get tools. Below that is a main navigation bar with categories: Downloads, Programs, Community (which is selected), and Documentation. On the right side of the main area, there are buttons for "Ask a question", "No announcements", "Search forum questions", and a magnifying glass icon.

On the left, there's a sidebar with "Quick access" dropdown, "Forums [view all]", and "Top answerers" section. The "Top answerers" section lists "Kareninstructor" with 66 answers.

The main content area displays two forum threads:

- Can not reconfigure backups after moving a VM between subscriptions** (Microsoft Azure > Microsoft Azure Site Recovery)
 

I recently made the decision to place a VM I was working on into production (internal use). I had created it in an MSDN subscription (devtest only) so I moved it to an appropriate ...

Unanswered | 1 Replies | 45 Views | Created by TomFromObjEx - 5 hours 27 minutes ago | Last reply by ManUPhilip - 6 minutes ago
- VMSS is failed to spin up a new instance and failed to add to ACE engine.** (Microsoft Azure > Azure App Service - Web Apps)
 

VM has reported a failure when processing extension 'vmssCSE'. Error message: "Enable failed: failed to execute command: command terminated with exit status=9 [stdout] [stderr] ...

For more information on MSDN forums, please visit the below URL

<https://social.msdn.microsoft.com/forums/en-us/home>

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**Question 6****Correct****Domain :Understand Cloud Concepts**

A company wants to migrate their current on-premise servers to Azure. They want to ensure that the servers are running even if a single Azure Data Center goes down. Which of the following terms refers to the solution that needs to be in place to fulfil this requirement?

- A. Fault tolerance
- B. Elasticity
- C. Scalability
- D. Low Latency

**Explanation:**

Answer – A

This concept of Fault tolerance refers to achieving high availability on the cloud.

### Achieve High Availability faster in the cloud

As soon as you sign up, access the tools, the infrastructure, and the guidance you need to deploy your applications in the cloud. Support your most demanding mission-critical applications to build always-available sites cost-effectively. And take advantage of an SLA of up to 99.99 percent for your virtual machines.



High-availability solutions

[Availability Zones >](#)

[Availability sets >](#)

[Virtual Machine Scale Sets \(VMSS\) >](#)

Options B and C are incorrect since this refers to how best you can scale up or down based on demand

Option D is incorrect since this refers to data transfer

For more information on resiliency in Azure, please visit the below URL

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

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**View Queries****open ▾****Question 7****Correct****Domain :Understand Cloud Concepts**

When can an organization completely decommission their on-premise data center?

- A. When they have a hybrid solution
- B. When all of their servers are in the private cloud
- C. When all of their servers are in the public cloud
- D. When all of their servers are in the public or private cloud 

**Explanation:**

Answer – D

When all the servers are migrated to the Azure cloud which can be Public / Private and you have no dependency left on your on-premise environment, then you can completely look to decommission your on-premise data center.

For more information on migration tools available for Azure, please visit the below URL

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

**Ask our Experts****Rate this Question?  ****View Queries****open ▾****Question 8****Correct****Domain :Understand Azure Pricing and Support**

A company is planning on migrating their public web site to Azure. Which of the following do they need to consider when it comes to hosting their public web site on Azure?

- A. They would need to reduce the number of connections to the web site
- B. They would need to deploy a Virtual Private connection from their on-premise site to Azure

- C. They would have to consider paying a monthly cost for the solution
- D. They would need to pay for the user data transfer onto the site

### Explanation:

Answer – C

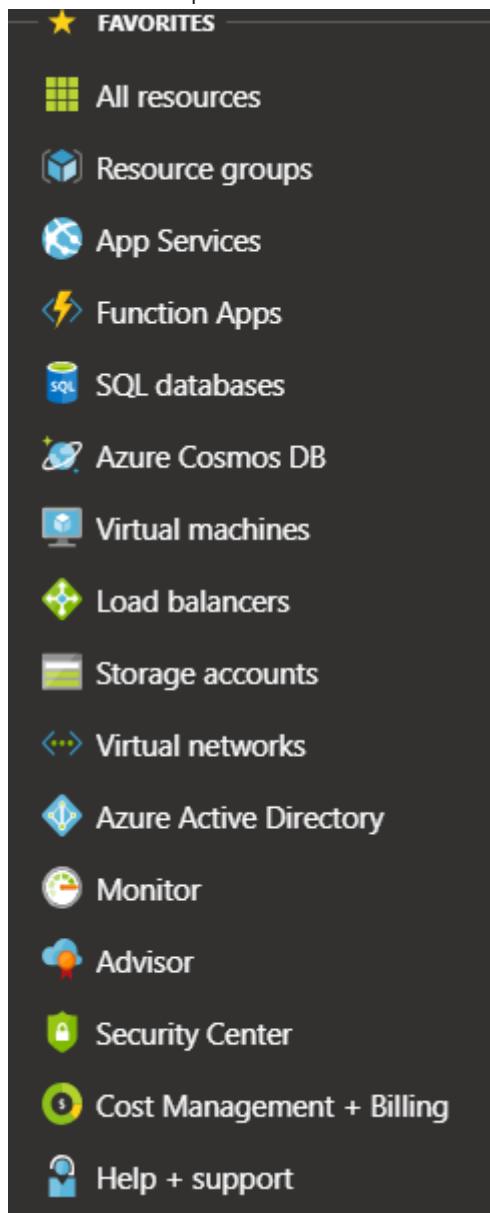
If you need to host a web application in Azure, there are a couple of options. But for each option, you have to pay a monthly fee. An example is the pricing model available for Azure Web apps. If you are planning on deploying a public web site, then you would need to consider using a Basic App service plan or higher.

	FREE <a href="#">Try for free</a>	SHARED <a href="#">Environment for dev/test</a>	BASIC <a href="#">Dedicated environment for dev/test</a>	STANDARD <a href="#">Run production workloads</a>	PREMIUM <a href="#">Enhanced performance and scale</a>	ISOLATED <a href="#">High-Performance, Security and Isolation</a>
Web, mobile, or API apps	10	100	Unlimited	Unlimited	Unlimited	Unlimited
Disk space	1 GB	1 GB	10 GB	50 GB	250 GB	1 TB
Maximum instances	-	-	Up to 3	Up to 10	Up to 20	Up to 100*
Custom domain	-	Supported	Supported	Supported	Supported	Supported
Auto Scale	-	-	-	Supported	Supported	Supported
VPN hybrid connectivity	-	-	-	Supported	Supported	Supported
Network Isolation						Supported
Price per hour	Free	\$0.013	\$0.075	\$0.10	\$0.20	\$0.30

- Option A is incorrect because Azure can support a high number of connections
- Option B is incorrect since only if you need to connect your web application to a resource in your on-premise data center then maybe you need to consider this.
- Option D is incorrect since you don't need to pay for the data transfer
- For more information on Azure App service plans, please visit the below URL
  - <https://azure.microsoft.com/en-us/pricing/details/app-service/windows/>

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 9****Incorrect****Domain :Understand Core Azure Services**

A company needs the list of planned maintenance events that can affect the availability of an Azure subscription. Which of the following would help them achieve this requirement?



- A. App Services
- B. Resource Groups

- C. Virtual Machines
- D. Azure Active Directory
- E. Security Center ×
- F. Cost Management + Billing
- G. Help + Support ✓

### Explanation:

Answer – G

If you go to Help + Support and then go to Service Health, then you can view if there are any issues to the underlying Azure Infrastructure.

The screenshot shows the Azure Service Health - Service issues page. On the left, there's a sidebar with categories: ACTIVE EVENTS (Service issues is selected), HISTORY (Health history), RESOURCE HEALTH (Resource health), and ALERTS (Health alerts). The main content area has a search bar and filter options: Subscription (Pay-As-You-Go), Region (3 selected), and Service (146 selected). Below these are buttons for Save filter, Delete filter, Pin filtered world map to dashboard (which has a tooltip: 'Tip: Pin a personalized Service Health world map tile on your dashboard.'), and Create service health alert. A world map shows the status of services across regions. A message at the bottom says 'No service issues found'. At the bottom right, there's a 'Launch guided tour' button.

The other services will not give you this view.

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

- <https://azure.microsoft.com/en-us/features/service-health/>

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## Question 10

Correct

## Domain :Understand Security, Privacy, Compliance, and Trust

A company has several on-premise computers that run Windows 10. They want to map a network drive from these machines onto Azure Storage. Which of the following would you consider fulfilling this requirement?

- A. An Azure SQL Database
- B. An Azure SQL Datawarehouse
- C. Azure Storage account – BLOB service
- D. Azure Storage account – File service ✓

## Explanation:

Answer – D

Below is an example of this

The screenshot shows the Azure Storage Explorer interface. On the left, there's a sidebar with 'Dashboard', 'All resources', 'whizlabstore - Files', and 'demo'. Under 'demo', there are sections for 'Overview', 'Access Control (IAM)', 'Settings', 'Access policy', and 'Properties'. The 'Overview' section is active. In the center, there's a 'Search (Ctrl+/' input field, a 'Connect' button (highlighted with a red circle '1'), an 'Upload' button, an 'Add directory' button, a 'Refresh' button, a 'Delete share' button, a 'Quota' button, a 'View snapshots' button, and a 'Create' button. Below these buttons, a message says 'Backup (Preview) is not enabled for this file share. Click here to enable backup.' To the right, there's a 'Connect' panel with tabs for 'Windows' (selected), 'Linux', and 'MacOS'. It shows a 'Drive letter' dropdown set to 'Z' (highlighted with a red circle '3'). Below it, there's a section for running PowerShell commands to connect from a Windows computer, and another section for running a command if the key doesn't begin with a forward slash.

1. Here we have a storage account using the File service
2. A file share named demo is defined. If you click on the Connect button for the file share

3. You will get the instructions to map a drive to the file share

None of the other solutions have the facility to map network drives.

For more information on Azure File shares, please visit the below URL

<https://docs.microsoft.com/en-us/azure/storage/files/storage-files-planning>

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### Question 11

Unattempted

Domain :Understand Core Azure Services

A company has a VPN device that will be used on a Site-to-Site connection from an on-premise location to Azure. Which of the following would be used to represent the VPN device?

 DNS zone	1	Microsoft	Recommended
 App Service Domain		Microsoft	Recommended
 Application Gateway	2	Microsoft	Recommended
 Connection		Microsoft	Recommended
 DDoS protection plan		Microsoft	Recommended
 ExpressRoute		Microsoft	Recommended
 Local network gateway	3	Microsoft	Recommended
 Reserved IP Address		Microsoft	Recommended
 Route filter		Microsoft	Recommended
 Virtual network gateway	4	Microsoft	Recommended

A. DNS Zone

- B. Application gateway
- C. Local network gateway
- D. Virtual Network gateway

**Explanation:**

Answer – C

This is clearly given in the Microsoft documentation

## 5. Create the local network gateway

The local network gateway typically refers to your on-premises location. You give the site a name by which Azure can refer to it, then specify the IP address of the on-premises VPN device to which you will create a connection. You also specify the IP address prefixes that will be routed through the VPN gateway to the VPN device. The address prefixes you specify are the prefixes located on your on-premises network. If your on-premises network changes or you need to change the public IP address for the VPN device, you can easily update the values later.

Since this is clearly given, all other options are incorrect

For more information on creating a site to site connection, please visit the below URL

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal>

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**Question 12**

**Correct**

Domain :Understand Core Azure Services

A company wants to deploy an Artificial Intelligence solution in Azure. The development team wants to have a tool in place that can be used to build, test, and deploy predictive analytics solutions. Which of the following should they use for this purpose?

- A. Azure Logic Apps
- B. Azure Machine Learning Studio 
- C. Azure Batch
- D. Azure App service

**Explanation:**

Answer – B

The Microsoft documentation mentions the following on Azure Machine Learning Studio

# What is Azure Machine Learning Studio?

03/28/2018 • 9 minutes to read • Contributors 

Microsoft Azure Machine Learning Studio is a collaborative, drag-and-drop tool you can use to build, test, and deploy predictive analytics solutions on your data. Machine Learning Studio publishes models as web services that can easily be consumed by custom apps or BI tools such as Excel.

Machine Learning Studio is where data science, predictive analytics, cloud resources, and your data meet.

Option A is incorrect since this is used to define workflows in Azure

Option C is incorrect since this is used for batch processing applications

Option D is incorrect since this is used to host Apps in Azure such as Web based applications

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

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

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**Question 13**

**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 how to reduce the cost of running Azure Virtual Machines?

- A. Yes
- B. No

### Explanation:

Answer – A

Yes, it does, below is an example of this. Below is a recommendation being given to purchase reserved instances to save on costs.

**Advisor recommendations**

[Download as CSV](#) [Download as PDF](#) [Configure](#)

**Subscriptions:** Pay-As-You-Go

All types Active No grouping

Overview  High Availability (3)  Security (7)  Performance (0)  Cost (1)  All (11)

For more cost management and optimization capabilities, try Azure Cost Management →

Total recommendations	Recommendations by impact	Impacted resources	Potential yearly savings
1	 1 High impact 0 Medium impact 0 Low impact	1 	34 USD
IMPACT	DESCRIPTION	POTENTIAL YEARLY SAVINGS*	IMPACTED RESOURCES
High	<a href="#">Buy virtual machine reserved instances to save money over pay-as-you-go costs</a>	34.44 USD	1 Virtual machine

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

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

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Question 14

Correct

**Domain :Understand Core Azure Services**

A company has a set of IT engineers that are responsible for implementing and managing the resources in their Azure account. The IT engineers have a set of on-premise workstations that have the following flavors of operating systems

- Windows 10
- MacOS
- Ubuntu

Which of the following tools can you use on the Windows 10 machines?

- A. The Azure CLI and Azure Portal only
- B. The Azure CLI and Powershell only
- C. The Azure Portal and Powershell only
- D. The Azure CLI, Azure Powershell and Azure Portal 

---

**Explanation:**

Answer – D

The Azure portal can be viewed on any browser and hence can be viewed on almost all operating systems

The Azure CLI is available on all platforms as shown below in the Microsoft documentation

# Install the Azure CLI

11/16/2018 • 2 minutes to read • Contributors  all

The Azure CLI is a command-line tool providing a great experience for managing Azure resources. The CLI is designed to make scripting easy, query data, support long-running operations, and more. Try it today and find out what the CLI has to offer!

The current version of the CLI is [2.0.57](#). For information about the latest release, see the [release notes](#).

- [Install on Windows](#)
- [Install on macOS](#)
- Install on Linux or [Windows Subsystem for Linux \(WSL\)](#)
  - [Install with apt on Debian or Ubuntu](#)
  - [Install with yum on RHEL, Fedora, or CentOS](#)
  - [Install with zypper on openSUSE or SLE](#)
  - [Install from script](#)
- [Run in Docker container](#)

Azure Powershell is available on all platforms as shown below in the Microsoft documentation

# Install the Azure PowerShell module

12/13/2018 • 3 minutes to read • Contributors 

This article tells you how to install the Azure PowerShell modules using PowerShellGet. These instructions work on Windows, macOS, and Linux platforms. For the Az module, currently no other installation methods are supported.

- For more information on Azure CLI and Azure powershell, please visit the below URL
  - <https://docs.microsoft.com/en-us/cli/azure/install-azure-cli?view=azure-cli-latest>
  - <https://docs.microsoft.com/en-us/powershell/azure/install-az-ps?view=azps-1.2.0>

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**View Queries****open** ▾**Question 15****Correct****Domain :Understand Core Azure Services**

A company has a set of IT engineers that are responsible for implementing and managing the resources in their Azure account. The IT engineers have a set of on-premise workstations that have the following favors of operating systems

- Windows 10
- MacOS
- Ubuntu

Which of the following tools can you use on the Ubuntu machines?

- A. The Azure CLI and Azure Portal only
- B. The Azure CLI and Powershell only
- C. The Azure Portal and Powershell only
- D. The Azure CLI, Azure Powershell, and Azure Portal 

**Explanation:**

Answer – D

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

<https://docs.microsoft.com/en-us/powershell/azure/install-az-ps?view=azps-1.2.0>

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**Question 16****Correct****Domain :Understand Core Azure Services**

A company has a set of IT engineers that are responsible for implementing and managing the resources in their Azure account. The IT engineers have a set of on-premise workstations that have the following favors of operating systems

- Windows 10
- macOS
- Ubuntu

Which of the following tools can you use on the MacOS machines?

- A. The Azure CLI and Azure Portal only
- B. The Azure CLI and Powershell only
- C. The Azure Portal and Powershell only
- D. The Azure CLI, Azure Powershell, and Azure Portal 

---

**Explanation:**

Answer – D

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For more information on Azure CLI and Azure PowerShell, please visit the below URL

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

<https://docs.microsoft.com/en-us/powershell/azure/install-az-ps?view=azps-1.2.0>

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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

- Provides a platform for creating workflows

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

- A. Azure Databricks
- B. Azure Logic Apps 
- C. Azure App Service
- D. Azure Application Insights

**Explanation:**

Answer – B

The Microsoft documentation mentions the following

# What is Azure Logic Apps?

06/29/2018 • 8 minutes to read • Contributors 

[Azure Logic Apps](#) is a cloud service that helps you automate and orchestrate tasks, business processes, and [workflows](#) when you need to integrate apps, data, systems, and services across enterprises or organizations. Logic Apps simplifies how you design and build scalable solutions for app [integration](#), data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on-premises, or both.

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

For more information on Azure Logic Apps, please visit the below URL

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

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**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

- Gives the ability to host a big data analysis service for machine learning

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

- A. Azure Databricks 
- B. Azure Logic Apps
- C. Azure App Service
- D. Azure Application Insights

**Explanation:**

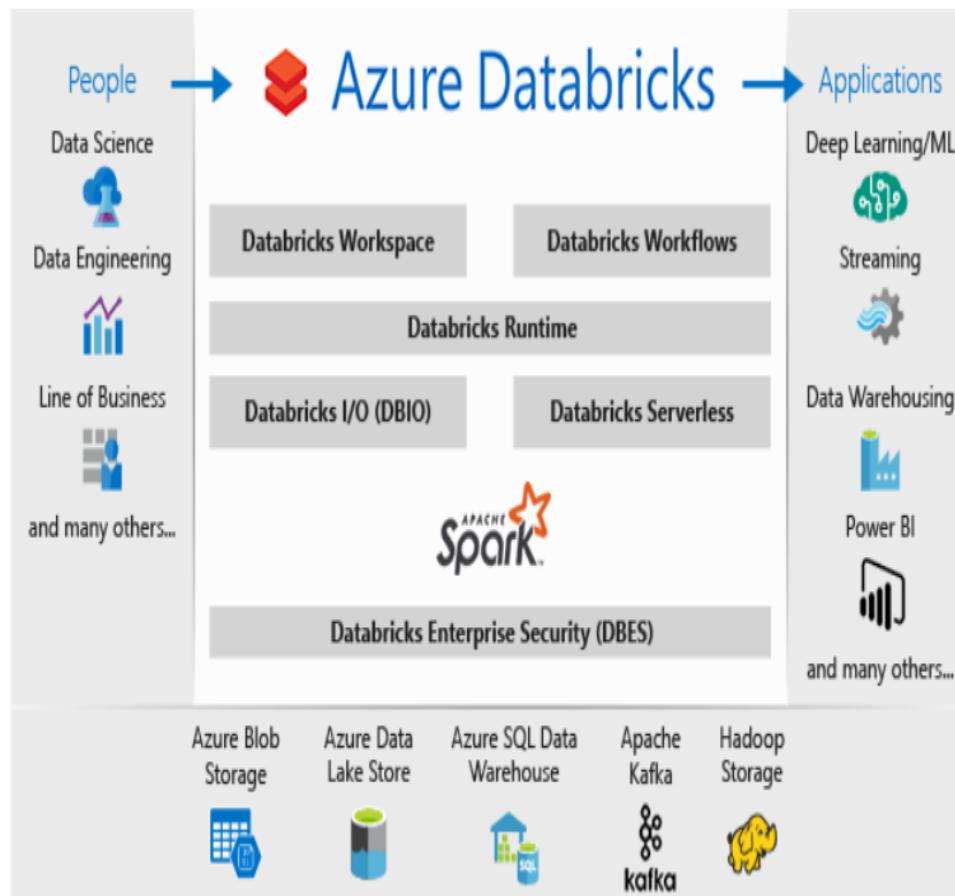
Answer – A

The Microsoft documentation mentions the following

# What is Azure Databricks?

05/29/2018 • 3 minutes to read • Contributors 

Azure Databricks is an Apache Spark-based analytics platform optimized for the Microsoft Azure cloud services platform. Designed with the founders of Apache Spark, Databricks is integrated with Azure to provide one-click setup, streamlined workflows, and an interactive workspace that enables collaboration between data scientists, data engineers, and business analysts.



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

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

<https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks>

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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

- Give the ability to detect and diagnose anomalies in web apps

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

- A. Azure Databricks
- B. Azure Logic Apps
- C. Azure App Service
- D. Azure Application Insights 

**Explanation:**

Answer – D

The Microsoft documentation mentions the following

# What is Application Insights?

01/23/2019 • 5 minutes to read • Contributors 

Application Insights is an extensible Application Performance Management (APM) service for web developers on multiple platforms. Use it to monitor your live web application. It will automatically detect performance anomalies. It includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app. It's designed to help you continuously improve performance and usability. It works for apps on a wide variety of platforms including .NET, Node.js and J2EE, hosted on-premises, hybrid, or any public cloud. It integrates with your DevOps process, and has connection points to a variety of development tools. It can monitor and analyze telemetry from mobile apps by integrating with Visual Studio App Center.

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

For more information on Azure Application Insights, please visit the below URL

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

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[View Queries](#)[open ▾](#)**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

- Allows the hosting of web-based applications

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

- A. Azure Databricks
- B. Azure Logic Apps
- C. Azure App Service
- D. Azure Application Insights

**Explanation:**

Answer – C

The Microsoft documentation mentions the following

# App Service Documentation

Azure App Service enables you to build and host web apps, mobile back ends, and RESTful APIs in the programming language of your choice without managing infrastructure. It offers auto-scaling and high availability, supports both Windows and Linux, and enables automated deployments from GitHub, Azure DevOps, or any Git repo. Learn how to use Azure App Service with our quickstarts, tutorials, and samples.

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

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

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

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**Question 21**

Correct

Domain :Understand Core Azure Services

A company wants to host an application on a set of Virtual Machines. The application must be made available 99.99 percent of the time.

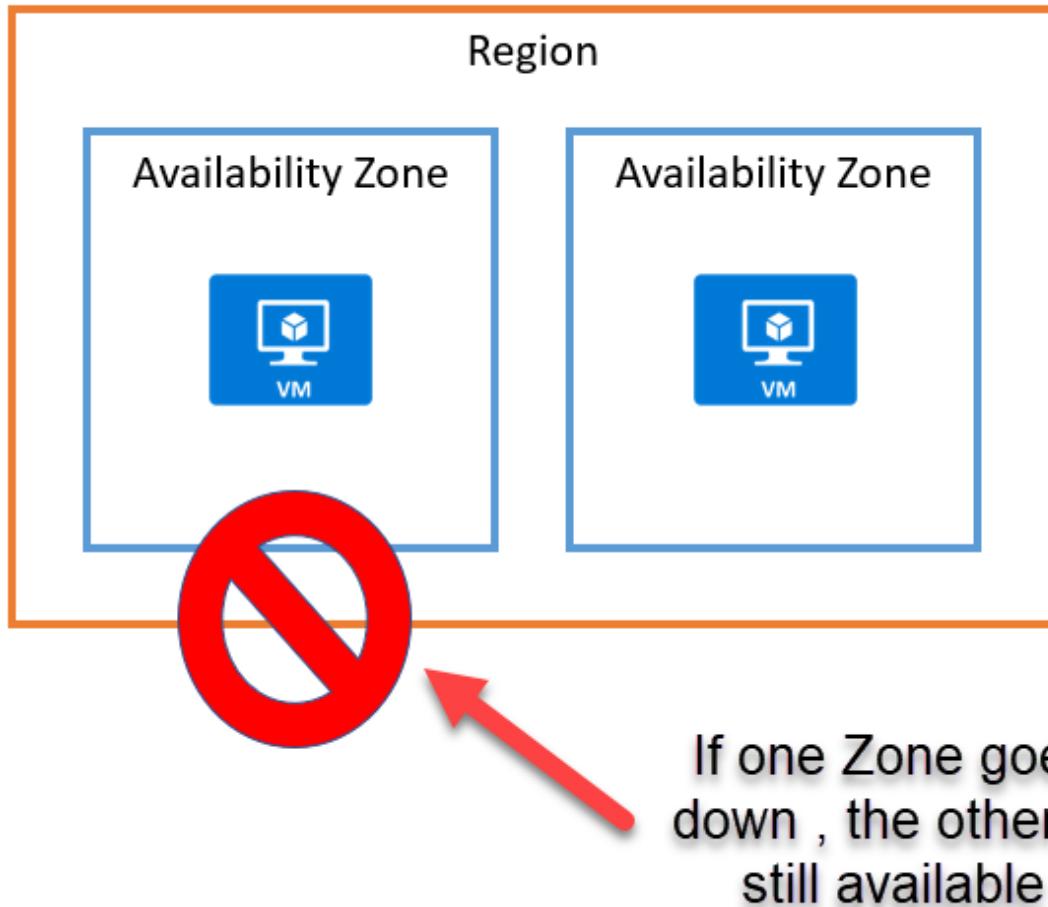
In order to comply with the SLA requirement, what is the minimum number of Virtual Machines that should be used to host the application?

- A. 1
- B. 2 
- C. 3
- D. 4

**Explanation:**

Answer – B

The application should be designed in the following way



Here you have 2 availability zones and a virtual machine per available zone. If one zone goes down, you still have the other zone available. This is the minimum configuration.

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 22

Correct

Domain :Understand Core Azure Services

A company wants to host an application on a set of Virtual Machines. The application must be made available 99.99 percent of the time.

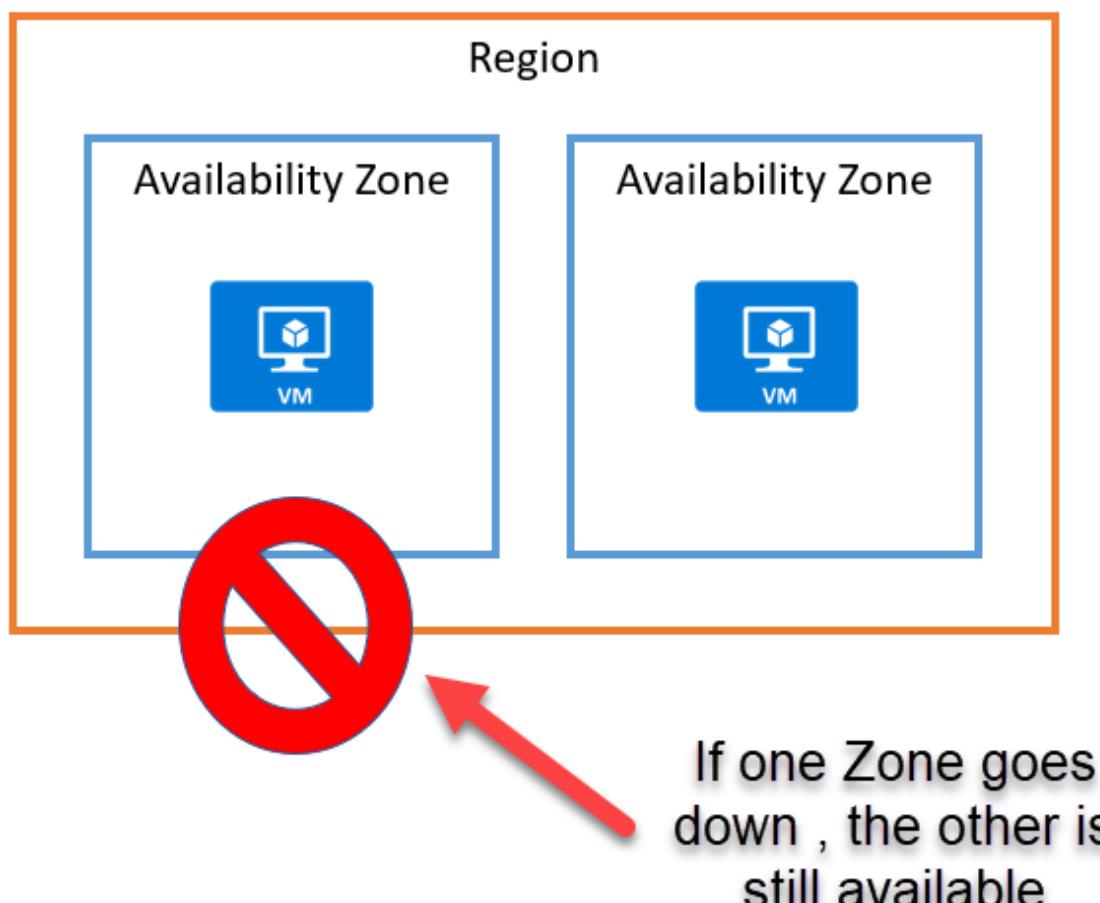
In order to comply with the SLA requirement, what is the minimum number of availability zones that should be used to host the application?

- A. 1
- B. 2
- C. 3
- D. 4

**Explanation:**

Answer – B

The application should be designed in the following way



Here you have 2 availability zones and a virtual machine per available zone. If one zone goes down, you still have the other zone available. This is the minimum configuration.

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 23**

Correct

**Domain :Understand Security, Privacy, Compliance, and Trust**

A company is planning on hosting solutions on the Azure Cloud. They need to implement MFA for identities hosted in Azure. There are only two valid ways of authentications for MFA as listed below:

- Picture Identification
- Passport Number

- A. True
- B. False 

**Explanation:**

Answer – B

The Microsoft documentation mentions the different authentication methods available

# What are authentication methods?

01/31/2018 • 9 minutes to read • Contributors 

Azure AD self-service password reset (SSPR) and Multi-Factor Authentication (MFA) may ask for additional information, known as authentication methods or security info, to confirm you are who you say you are when using the associated features.

Administrators can define in policy which authentication methods are available to users of SSPR and MFA. Some authentication methods may not be available to all features.

Microsoft highly recommends Administrators enable users to select more than the minimum required number of authentication methods in case they do not have access to one.

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

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

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

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**Question 24****Correct****Domain :Understand Security, Privacy, Compliance, and Trust**

You are working on understanding all the key terms when it comes to International standards, data privacy and data protection policies.

Which of the following options is related to the statement given below?

**"An organization that defines international standards across all industries"**

- A. Azure Government
- B. GDPR
- C. ISO 
- D. NIST

**Explanation:**

Answer – C

Below is the definition as per Wikipedia

---

The International Organization for Standardization is an independent, non-governmental organization, the members of which are the standards organizations of the 164<sup>[1]</sup> member countries. It is the world's largest developer of voluntary international standards and facilitates world trade by providing common standards between nations. Over twenty thousand standards have been set covering everything from manufactured products and technology to food safety, agriculture and healthcare.<sup>[3]</sup>

Use of the standards aids in the creation of products and services that are safe, reliable and of good quality. The standards help businesses increase productivity while minimizing errors and waste. By enabling products from different markets to be directly compared, they facilitate companies in entering new markets and assist in the development of global trade on a fair basis. The standards also serve to safeguard consumers and the end-users of products and services, ensuring that certified products conform to the minimum standards set internationally.<sup>[3]</sup>

Since this is clearly mentioned, all other options are incorrect

For more information on ISO, please visit the below URL

[https://en.wikipedia.org/wiki/International\\_Organization\\_for\\_Standardization](https://en.wikipedia.org/wiki/International_Organization_for_Standardization)

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**View Queries****open ▾****Question 25****Correct**

**Domain :Understand Security, Privacy, Compliance, and Trust**

You are working on understanding all the key terms when it comes to International standards, data privacy and data protection policies.

Which of the following options is related to the statement given below?

**"An organization that defines standards used by the United States government"**

- A. Azure Government
- B. GDPR
- C. ISO
- D. NIST 

**Explanation:**

Answer – D

The Microsoft documentation gives an overview of the NIST CSF overview

## NIST CSF Overview

The National Institute of Standards and Technology (NIST) promotes and maintains measurement standards and guidance to help organizations assess risk. In response to Executive Order 13636 on strengthening the cybersecurity of federal networks and critical infrastructure, NIST released the Framework for Improving Critical Infrastructure Cybersecurity (FICIC) in February 2014.

The main priorities of the FICIC were to establish a set of standards and practices to help organizations manage cybersecurity risk, while enabling business efficiency. The NIST Framework addresses cybersecurity risk without imposing additional regulatory requirements for both government and private sector organizations.

The FICIC references globally-recognized standards including NIST SP 800-53 found in Appendix A of the NIST's 2014 Framework for Improving Critical Infrastructure Cybersecurity. Each control within the FICIC framework is mapped to corresponding NIST 800-53 controls within the FedRAMP Moderate Baseline.

For more information on the NIST adoption in Azure, please visit the below URL

[https://www.microsoft.com/en-us/trustcenter/compliance/NIST\\_CSF](https://www.microsoft.com/en-us/trustcenter/compliance/NIST_CSF)

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**Question 26**

**Correct**

**Domain :Understand Security, Privacy, Compliance, and Trust**

You are working on understanding all the key terms when it comes to International standards, data privacy and data protection policies.

Which of the following options is related to the statement given below?

"A European policy that regulates data privacy and data protection"

- A. Azure Government
- B. GDPR
- C. ISO
- D. NIST

#### Explanation:

Answer – B

Below is the definition as per Wikipedia

The [General Data Protection Regulation \(EU\) 2016/679](#) ("GDPR") is a regulation in EU law on data protection and privacy for all individuals within the [European Union \(EU\)](#) and the [European Economic Area \(EEA\)](#). It also addresses the export of personal data outside the EU and EEA areas. The GDPR aims primarily to give control to individuals over their personal data and to simplify the regulatory environment for [international business](#) by unifying the regulation within the EU.<sup>[1]</sup> Superseding the [Data Protection Directive 95/46/EC](#), the regulation contains provisions and requirements pertaining to the processing of [personal data](#) of individuals (formally called [data subjects](#) in the GDPR) inside the EEA, and applies to an enterprise established in the EEA or—regardless of its location and the data subjects' citizenship—that is processing the personal information of data subjects inside the EEA.

Since this is clearly mentioned, all other options are incorrect

For more information on GPDR, please visit the below URL

[https://en.wikipedia.org/wiki/General\\_Data\\_Protection\\_Regulation](https://en.wikipedia.org/wiki/General_Data_Protection_Regulation)

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Question 27

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

You are working on understanding all the key terms when it comes to International standards, data privacy and data protection policies.

Which of the following options is related to the statement given below?

**"A dedicated public cloud for federal and state agencies in the United States"**

- A. Azure Government 
- B. GDPR
- C. ISO
- D. NIST

#### **Explanation:**

Answer – A

The Microsoft documentation mentions the following

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).

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

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 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

- Provide an option to contact Microsoft support engineers by phone or email

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 Basic Support plan as shown below, this plan has no access to support engineers

Azure Support Plans Comparison X +

azure.microsoft.com/en-us/support/plans/

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	<b>Basic</b>	<b>DEVELOPER</b>	<b>STANDARD</b>	<b>PROFESSIONAL DIRECT</b>
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 <a href="#">Microsoft Learn</a> , <a href="#">Azure portal how-to videos</a> , <a href="#">documentation</a> , and <a href="#">community support</a>	✓	✓	✓	✓
Ability to submit as many support tickets as you need	✓	✓	✓	✓
<a href="#">Azure Advisor</a> —your free, personalized guide to Azure best practices	✓	✓	✓	✓
<a href="#">Azure health status and notifications</a>	✓	✓	✓	✓
24/7 access to technical support by email and phone		Available during business hours by email only.	✓	✓
<a href="#">Case severity and response time</a>		Minimal business impact (Sev C); Within eight business hours <sup>1</sup>	Minimal business impact (Sev C); Within four business hours <sup>1</sup>	Minimal business impact (Sev C); Within two hours
		Moderate business impact (Sev B); Within four hours	Critical business impact (Sev A);	

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3:10 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

- Provide an option to contact Microsoft support engineers by phone or email

A recommendation is made to purchase the Standard Support plan

Would this recommendation fulfil the requirement?

A. Yes

B. No

**Explanation:**

Answer – A

Yes, as per the documentation, the plan does have access to support engineers via phone and email

Whizlabs Online Certification Tra X Azure Support Plans Comparison +

← → C 🔒 azure.microsoft.com/en-us/support/plans/

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	Basic	<u>DEVELOPER</u>	<u>STANDARD</u>	<u>PROFESSIONAL DIRECT</u>
	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 <a href="#">Microsoft Learn</a> , <a href="#">Azure portal how-to videos</a> , <a href="#">documentation</a> , and <a href="#">community support</a>	✓	✓	✓	✓
Ability to submit as many support tickets as you need	✓	✓	✓	✓
<a href="#">Azure Advisor</a> —your free, personalized guide to Azure best practices	✓	✓	✓	✓
<a href="#">Azure health status and notifications</a>	✓	✓	✓	✓
24/7 access to technical support by email and phone	Available during business hours by email only.		✓	✓
<a href="#">Case severity and response time</a>		Minimal business impact (Sev C); Within eight business hours <sup>1</sup>	Minimal business impact (Sev C); Within eight business hours <sup>1</sup>	Minimal business impact (Sev C); Within four business hours <sup>1</sup>
		Moderate business impact (Sev B); Within two hours	Moderate business impact (Sev B); Within two hours	Moderate business impact (Sev B); Within two hours

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For more information on the 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 30****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

- Provide an option to contact Microsoft support engineers by phone or email

A recommendation is made to purchase the Professional Direct support plan

Would this recommendation fulfil the requirement?

A. Yes 

B. No

**Explanation:**

Answer – A

This requirement can be fulfilled on using Professional Direct support plans.

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← → C 🔒 azure.microsoft.com/en-us/support/plans/

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	Basic	<u>DEVELOPER</u>	STANDARD	<u>PROFESSIONAL DIRECT</u>
	<a href="#">Request support</a>	<a href="#">Purchase support</a>	<a href="#">Purchase support</a>	<a href="#">Purchase support</a>
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 <a href="#">Microsoft Learn</a> , <a href="#">Azure portal how-to videos</a> , <a href="#">documentation</a> , and <a href="#">community support</a>	✓	✓	✓	✓
Ability to submit as many support tickets as you need	✓	✓	✓	✓
<a href="#">Azure Advisor</a> —your free, personalized guide to Azure best practices	✓	✓	✓	✓
<a href="#">Azure health status and notifications</a>	✓	✓	✓	✓
24/7 access to technical support by email and phone		Available during business hours by email only.	✓	✓
<a href="#">Case severity and response time</a>		Minimal business impact (Sev C); Within eight business hours <sup>1</sup>	Minimal business impact (Sev C); Within eight business hours <sup>1</sup>	Minimal business impact (Sev C); Within four business hours <sup>1</sup>
		Moderate business impact (Sev B); Within two hours <sup>1</sup>	Moderate business impact (Sev B); Within two hours <sup>1</sup>	Moderate business impact (Sev B); Within two hours <sup>1</sup>

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

A company is currently planning on deploying resources to Azure. They want to have the ability to manage the user access to resources across multiple subscriptions. Which of the following can help you achieve this requirement?

- A. Resource Groups
- B. Management Groups
- C. Azure Policies
- D. Azure App Service

**Explanation:**

Answer – B

The correct answer is B, Management Groups. From the Microsoft Documentation: Azure Management Groups are containers for managing access across multiple Azure subscriptions.

Another scenario where you would use management groups is to provide user access to multi subscriptions. By moving many subscriptions under that management group, you can create one [role-based access control](#) (RBAC) assignment on the management group, which will inherit that access to all the subscriptions. One assignment on the management group can enable users to have access to everything they need instead of scripting RBAC over different subscriptions.

**Important facts about management groups**

- 10,000 management groups can be supported in a single directory.
  - A management group tree can support up to six levels of depth.
    - This limit doesn't include the Root level or the subscription level.
  - Each management group and subscription can only support one parent.
  - Each management group can have many children.
  - All subscriptions and management groups are within a single hierarchy in each directory. See [Important facts about the Root management group](#) for exceptions during the Preview.
- 
- Option A is invalid because this is good for grouping your resources together.

- Option C is incorrect because Azure Policies are valid only within one subscription.
- Option D is invalid because this is used to host your web applications.

For more information on Management Groups, please visit the below URL

- <https://docs.microsoft.com/en-us/azure/governance/management-groups/>

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 32

Correct

Domain :Understand Azure Pricing and Support

Most Azure services normally follow the below lifecycle

- First they are deployed in private preview
- Then are released in public preview
- And then finally they are released in General availability

Is this true for the lifecycle for an Azure service?

- A. Yes
- B. No

### Explanation:

Answer – A

This is generally the case for new products on the Azure platform.

So, first Azure allows customers to try out products in the private preview. For the product the customer would fill up a form. And then Microsoft would make the product available for preview for just the customer.

Next the service would be available in public preview based on a select criterion.

And then finally the service would be available to the general public.

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 wants to try out a couple of Azure services which are available in public preview. Is it true that services in public preview can only be used via the Azure command line interface?

- A. Yes
- B. No 

#### Explanation:

Answer – B

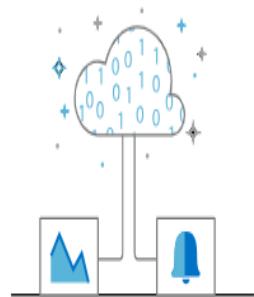
This is not necessarily true. An example is given below. Here there is a preview available for Virtual Machines in Azure Monitor.

[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 &gt; 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 34****Correct****Domain :Understand Azure Pricing and Support**

A company is planning on setting up an Azure account and spinning up resources in the purchased subscription. When it comes to the Service Level Agreement, does Microsoft provide an SLA of

99.9% uptime for Storage Accounts?

- A. Yes 
- B. No

### Explanation:

Answer – A

### Storage Accounts

- We guarantee that at least 99.99% (99.9% for Cool Access Tier) of the time, we will successfully process requests to read data from Read Access-Geo Redundant Storage (RA-GRS) Accounts, provided that failed attempts to read data from the primary region are retried on the secondary region.
- We guarantee that at least 99.9% (99% for Cool Access Tier) of the time, we will successfully process requests to read data from Locally Redundant Storage (LRS), Zone Redundant Storage (ZRS), and Geo Redundant Storage (GRS) Accounts.
- We guarantee that at least 99.9% (99% for Cool Access Tier) of the time, we will successfully process requests to write data to Locally Redundant Storage (LRS), Zone Redundant Storage (ZRS), and Geo Redundant Storage (GRS) Accounts and Read Access-Geo Redundant Storage (RA-GRS) Accounts.

If you view the Summary of SLA's in the below given link, you will see most of the services do give a 99.99% SLA.

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

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**Question 35**

Correct

Domain :Understand Core Azure Services

A company is planning on setting up a solution in Azure. They need to host a web application. Which of the following is best suited for this requirement? Please select 2 options.

- A. Azure Data Lake Analytics
- B. Azure Virtual Machine scale sets
- C. Azure Kubernetes 

D. Azure App Service **Explanation:**

Answer – C and D

You can use Azure Kubernetes for the managing container-based solutions.

The Microsoft documentation mentions the following

**Ship faster, operate with ease, and scale confidently**

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

Option A is incorrect since this is used for Big Data solutions

Option B is incorrect since this is used for scaling virtual machines

Option D is correct since this is used for hosting web applications in Azure

For more information on Azure Kubernetes, please visit the following URL

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

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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 a solution to create and manage a group of identical, load balanced Virtual Machines.

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

- A. Azure Data Lake Analytics

- B. Azure Virtual Machine Scale Sets 
- C. Azure Virtual Network
- D. Azure App Service

**Explanation:**

Answer – B

The Microsoft documentation mentions the following

## What are virtual machine scale sets?

03/27/2018 • 3 minutes to read • Contributors 

Azure virtual machine scale sets let you create and manage a group of identical, load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications, and allow you to centrally manage, configure, and update a large number of VMs. With virtual machine scale sets, you can build large-scale services for areas such as compute, big data, and container workloads.

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

For more information on Azure 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 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 isolated environment for hosting of Virtual Machines

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

- A. Azure Data Lake Analytics
- B. Azure Virtual Machine Scale Sets
- C. Azure Virtual Network 
- D. Azure App Service

**Explanation:**

Answer – C

The Microsoft documentation mentions the following

## What is Azure Virtual Network?

12/12/2018 • 4 minutes to read • Contributors  all

Azure Virtual Network enables many types of Azure resources, such as Azure Virtual Machines (VM), to securely communicate with each other, the internet, and on-premises networks. A virtual network is scoped to a single region; however, multiple virtual networks from different regions can be connected together using Virtual Network Peering.

Azure Virtual Network provides the following key capabilities:

## Isolation and segmentation

You can implement multiple virtual networks within each Azure [subscription](#) and Azure [region](#). Each virtual network is isolated from other virtual networks. For each virtual network you can:

- Specify a custom private IP address space using public and private (RFC 1918) addresses. Azure assigns resources in a virtual network a private IP address from the address space that you assign.
- Segment the virtual network into one or more subnets and allocate a portion of the virtual network's address space to each subnet.
- Use Azure-provided name resolution, or specify your own DNS server, for use by resources in a virtual network.

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

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

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

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[View Queries](#)[open ▾](#)**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 a cloud service that helps to transform data and provide valuable insights on the data itself

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

- A. Azure Data Lake Analytics
- B. Azure Virtual Machine Scale Sets
- C. Azure Virtual Network
- D. Azure App Service

**Explanation:**

Answer – A

The Microsoft documentation mentions the following

## What is Azure Data Lake Analytics?

06/23/2017 • 2 minutes to read • Contributors all

Azure Data Lake Analytics is an on-demand analytics job service that simplifies big data. Instead of deploying, configuring, and tuning hardware, you write queries to transform your data and extract valuable insights. The analytics service can handle jobs of any scale instantly by setting the dial for how much power you need. You only pay for your job when it is running, making it cost-effective.

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

For more information on Azure Data Lake Analytics, please visit the below URL

<https://docs.microsoft.com/en-us/azure/data-lake-analytics/data-lake-analytics-overview>

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Question 39

Correct

Domain :Implement and manage application services

A company has setup a Virtual Machine as part of their purchase subscription. They now want to move the Virtual Machine to another subscription. Is this possible?

- A. Yes 
- B. No

#### Explanation:

Answer – A

Yes, you can move Azure resources between subscriptions. Below is an example of moving a Virtual Machine across subscriptions

## Move a Windows VM to another Azure subscription or resource group

09/12/2018 • 2 minutes to read • Contributors 

This article walks you through how to move a Windows virtual machine (VM) between resource groups or subscriptions. Moving between subscriptions can be handy if you originally created a VM in a personal subscription and now want to move it to your company's subscription to continue your work.

For more information on moving Azure resources, please visit the below URL

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

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 40****Correct****Domain :Understand Core Azure Services**

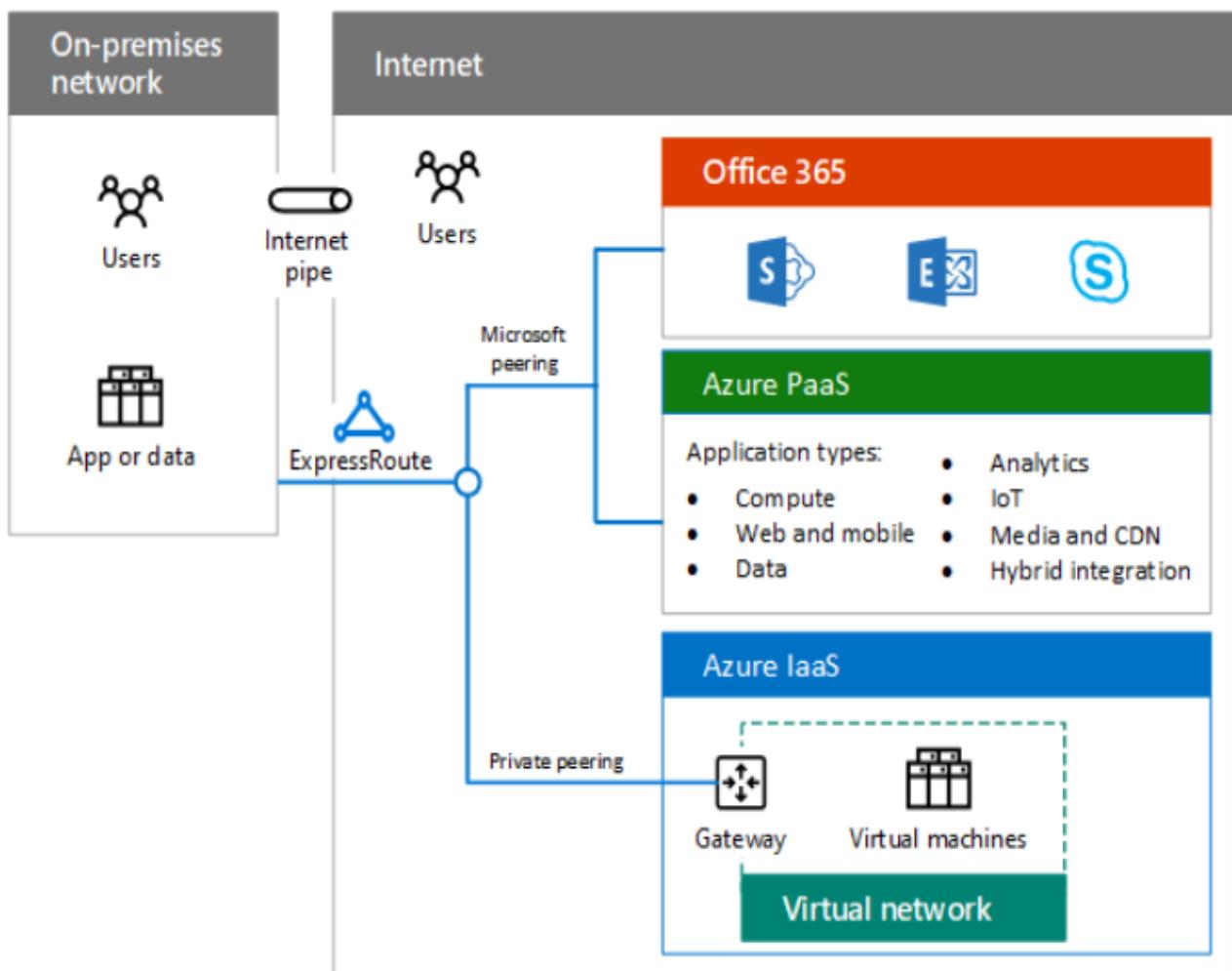
A company has 100 machines in their on-premise environment. They want to extend their infrastructure without too much extra capital or operational expenditure. Which of the following could they opt to carry out for this requirement?

- A. Migrate all to the public cloud
- B. Move all to the private cloud
- C. Have a hybrid architecture 
- D. Move just 50 machines to the public cloud

**Explanation:**

Answer – C

When you are looking to extend your architecture to the cloud, then the best is to have a hybrid architecture. There are different scenarios that can be adopted depending on the type of integration required. An example from the Microsoft documentation is shown below



For more information on hybrid cloud overview, please visit the below URLs

<https://docs.microsoft.com/en-us/office365/enterprise/hybrid-cloud-overview>

<https://azure.microsoft.com/en-in/overview/what-is-hybrid-cloud-computing/>

A hybrid cloud is a computing environment that combines a [public cloud](#) and a [private cloud](#) by allowing data and applications to be shared between them. When computing and processing demand fluctuates, hybrid cloud computing gives businesses the ability to seamlessly scale their on-premises infrastructure up to the public cloud to handle any overflow—without giving third-party datacenters access to the entirety of their data. Organizations gain the flexibility and computing power of the public cloud for basic and non-sensitive computing tasks, while keeping business-critical applications and data on-premises, safely behind a company firewall.

Using a hybrid cloud not only allows companies to scale computing resources, it also eliminates the need to make massive capital expenditures to handle short-term spikes in demand as well as when the business needs to free up local resources for more sensitive data or applications. Companies will pay only for resources they temporarily use instead of having to purchase, program, and maintain additional resources and equipment that could remain idle over long periods of time. Hybrid cloud computing is a “best of all possible worlds” platform, delivering all the benefits of cloud computing—flexibility, scalability, and cost efficiencies—with the lowest possible risk of data exposure. [Read more about hybrid cloud capabilities and getting started with Azure.](#)

**Related products and services**

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11:43 AM  
12/30/2019

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### Question 41

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has a Virtual Machine created in their subscription. An application is installed on the Virtual Machine. You need to ensure that traffic can flow into the Virtual Machine on port 8080. Which of the following must you modify to make this work?

- A. Network Interface Card
- B. Network Security Group
- C. Route Tables
- D. Route Filters

### Explanation:

Answer – B

You have to modify the Network Security Group. You have to add an Inbound Security Rule. An example is shown below

PRIORITY	NAME
65000	AllowVnetInBound
65001	AllowAzureLoadBalancerInBou...
65500	DenyAllInBound

- 1 So first add the Inbound Security rule
- 2 Add the destination port range as 8080
- 3 Ensure the Action is Allow

Since the right implementation is via Network Security Groups, all other options are incorrect

For more information on network security groups, please visit the below URL

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

[Ask our Experts](#)Rate this Question?  [View Queries](#)[open ▾](#)**Question 42****Correct****Domain :Understand Core Azure Services**

A company wants to migrate some scripts to Azure. They want to make use of the serverless features available in Azure

They decide to use the Azure Virtual Machine service

Would this service meet the requirement?

- A. Yes
- B. No 

**Explanation:**

Answer - B

This is an Infrastructure as a service product and is not a serverless product. Below is what the Microsoft documentation states about this service.

## Overview of Windows virtual machines in Azure

10/04/2018 • 7 minutes to read • Contributors  all

Azure Virtual Machines (VM) is one of several types of [on-demand, scalable computing resources](#) that Azure offers. Typically, you choose a VM when you need more control over the computing environment than the other choices offer. This article gives you information about what you should consider before you create a VM, how you create it, and how you manage it.

For more information on Azure Windows Virtual Machines, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/overview>

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**Question 43****Correct****Domain :Understand Core Azure Services**

A company wants to migrate some scripts to Azure. They want to make use of the serverless features available in Azure

They decide to use the Azure Functions service

Would this service meet the requirement?

- A. Yes 
- B. No

**Explanation:**

Answer – A

This is the right product to use. Below is what the Microsoft documentation states about this service.

## 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.

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 44****Correct****Domain :Understand Core Azure Services**

A company wants to migrate some scripts to Azure. They want to make use of the serverless features available in Azure

They decide to use the Azure Content Delivery Network service

Would this service meet the requirement?

- A. Yes
- B. No

**Explanation:**

Answer – B

This service is used for delivering web content to end users. Below is what the Microsoft documentation states about this service.

## 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).

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

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

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**Question 45****Correct****Domain :Understand Cloud Concepts**

A company is planning on using an entire suite of Microsoft products. Which of the following belongs to the category of Software as a service (SaaS)?

- A. Azure Virtual Machine service
- B. Microsoft Office 365 ✓
- C. Azure App Service
- D. Azure Content Delivery Network Service

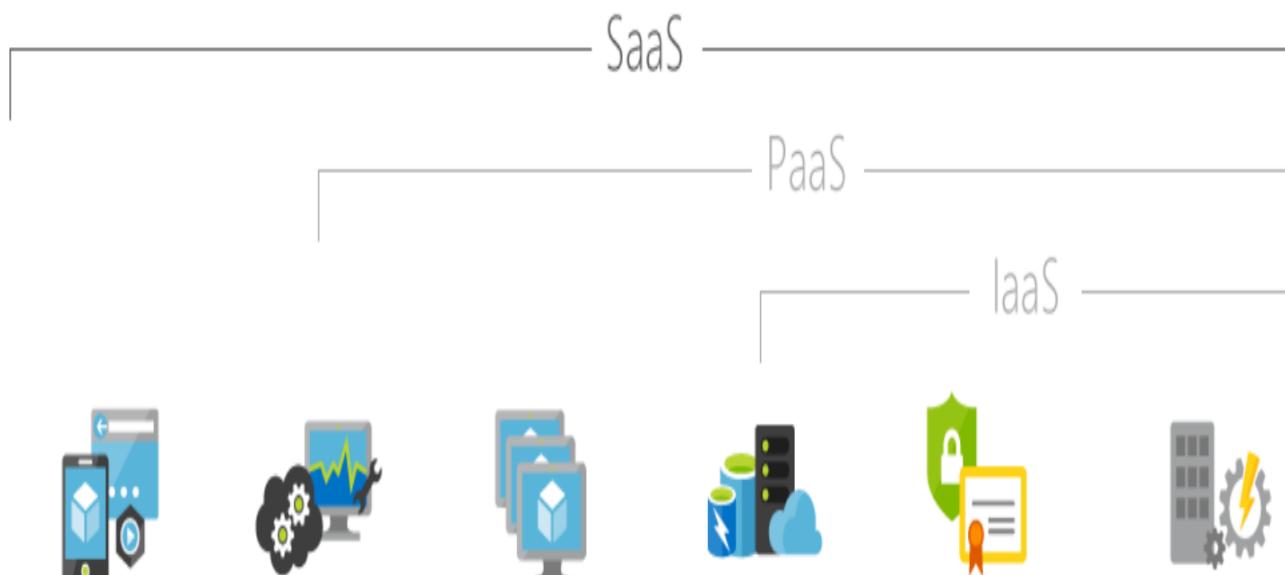
**Explanation:**

Answer – B

The Microsoft documentation mentions below the definition of Software as a service (SaaS)

Software as a service (SaaS) allows users to connect to and use cloud-based apps over the Internet. Common examples are email, calendaring, and office tools (such as Microsoft Office 365).

SaaS provides a complete software solution that you purchase on a pay-as-you-go basis from a [cloud service provider](#). You rent the use of an app for your organization, and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software, and app data are located in the service provider's data center. The service provider manages the hardware and software, and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well. SaaS allows your organization to get quickly up and running with an app at minimal upfront cost.



Option A is incorrect since this belongs to the category of Infrastructure as a service (IaaS)

Options C and D are incorrect since this belongs to the category of Platform as a service (PaaS)

For more information on Software as a service, please visit the below URL

<https://azure.microsoft.com/en-us/overview/what-is-saas/>

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### Question 46

Correct

Domain :Understand Security, Privacy, Compliance, and Trust

A company has created an Azure Virtual machine as shown below

Setting	Value
Resource group (change)	: whizlabs-rg
Status	: Running
Location	: Central US
Subscription (change)	: Pay-As-You-Go
Subscription ID	: baaa99b3-1d19-4c5e-90e1-39d55de5fc6e
Computer name	: whizlabvm
Operating system	: Windows (Windows Server 2016 Datacenter)
Size	: Standard DS1 v2 (1 vcpus, 3.5 GiB memory)
Ephemeral OS disk	: N/A
Public IP address	: 40.122.114.102
Private IP address	: 10.0.0.4
Virtual network/subnet	: whizlabs-rg-vnet/default
DNS name	: Configure

Tags (change) : Click here to add tags

Show data for last:

They want to ensure that a specific set of users have access to 'Stop' the virtual machine. Which of the following of the virtual machine would you use to fulfil this requirement?

- A. Access Control (IAM)
- B. Tags
- C. Networking
- D. Security

### Explanation:

Answer – A

If you go to the Access Control section, you can define a role assignment for a user that could conduct specific operations on the virtual machine.

**Check access**

Review the level of access a user, group, service principal, or managed identity has to this resource. [Learn more](#)

**Find**

Azure AD user, group, or service principal

Search by name or email address

**Add a role**

Grant access assigning a role, principal, or scope.

**Add**

**View role**

View the use and manage assignments scope.

**View**

**View deny**

View the use and manage denied access scope.

**Role**

Select a role

Assign access to

Azure AD user, group, or service principal

Selected members:

No members selected. Search for and add one or more members you want to assign to the role for this resource.

[Learn more about RBAC](#)

Since this is clear from the implementation, all other options are incorrect

For more information on managing access using Role Based access control, please visit the following URL

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

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Question 47

Correct

Domain :Understand Core Azure Services

A company wants to provision a solution with the following requirements

- Provision a WordPress solution
- Host the solution on a Virtual Machine

Which of the following could be used to quickly deploy the required solution?

- A. Virtual Machine Scale sets
- B. Azure Resource Groups
- C. Azure Marketplace 
- D. Azure Web Apps

---

**Explanation:**

Answer – C

You can easily search for custom solutions in the Azure Marketplace. You can so easily even deploy these solutions onto Azure.

[Dashboard](#) > [New](#) > [Marketplace](#) > [Everything](#)

Marketplace X

My Saved List 0

Everything

Compute

Networking

Storage

Web

Mobile

Containers

Databases

Analytics

AI + Machine Learning

Internet of Things

Integration

Security

Everything

Search: wordpress

Pricing: All

Operating System: All

Publisher: All

Results

NAME	PUBLISHER	CATEGORY
WordPress	WordPress	Web
WordPress on Linux	WordPress	Web
WordPress with Azure Database for MariaDB	Bitnami	Compute
wordpress 4.9.7	Miri Infotech Pvt. Ltd.	Compute
WordPress Multisite Certified by Bitnami	Bitnami	Compute
WordPress Multi-Tier	Bitnami	Compute
WordPress on Windows Server 2016	Cloud Infrastructure Services	Compute
Plesk WordPress Edition	Plesk	Compute
Wordpress LEMP7 Max Performance on CentOS	Jetware	Compute

Option A is incorrect since there is no mention of the need of a scalable solution

Option B is incorrect since this used to categorize resources

Option D is incorrect since this used as a Platform as a service solution for web applications

You can visit the Azure Marketplace via the following URL

<https://azuremarketplace.microsoft.com/en-us/marketplace/>

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**View Queries****open ▾****Question 48****Correct****Domain :Understand Core Azure Services**

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

You recommend using the Azure SQL Database service?

Would this suit the requirement?

- A. Yes 
- B. No

**Explanation:**

Answer – A

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

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

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

**Ask our Experts****Rate this Question?**  **View Queries****open ▾****Question 49****Correct****Domain :Understand Core Azure Services**

A company wants to host a set of Table API for applications that are written for Azure Table storage.

You recommend using the CosmosDB service?

Would this suit the requirement?

- A. Yes 
- B. No

**Explanation:**

Answer - A

This service is a fully managed service and also provides low latency access to data. It also has a table API to work with Table like data

# Introduction to Azure Cosmos DB: Table API

11/20/2017 • 2 minutes to read • Contributors  [all](#)

[Azure Cosmos DB](#) provides the Table API for applications that are written for Azure Table storage and that need premium capabilities like:

- Turnkey global distribution.
- Dedicated throughput worldwide.
- Single-digit millisecond latencies at the 99th percentile.
- Guaranteed high availability.
- Automatic secondary indexing.

Applications written for Azure Table storage can migrate to Azure Cosmos DB by using the Table API with no code changes and take advantage of premium capabilities. The Table API has client SDKs available for .NET, Java, Python, and Node.js.

For more information on the Azure CosmosDB service – Table API, please visit the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/table-introduction>

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**Question 50**

**Correct**

Domain :Understand Core Azure Services

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

You recommend using the Azure App service?

Would this suit the requirement?

- A. Yes
- B. No

**Explanation:**

Answer – B

This is a fully managed service for hosting web applications.

For more information on Azure Web Apps, please visit the below URL

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

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**Question 51**

**Correct**

**Domain :Understand Core Azure Services**

A company wants to implement an IoT solution using the service available in Azure. Which of the following would meet the below requirement?

"Monitor and control millions of Internet of Things assets"

- A. IoT Hub
- B. IoT solution accelerators
- C. IoT Edge
- D. Azure Time Series Insights

**Explanation:**

Answer – A

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 clearly mentioned in the documentation, 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 52**

**Incorrect**

Domain :Understand Core Azure Services

A company wants to implement an IoT solution using the service available in Azure. Which of the following would meet the below requirement?

"Used to analyze data on End user devices"

- A. IoT Hub
- B. IoT Central
- C. IoT Edge 
- D. Azure Time Series Insights 

## Explanation:

Answer – C

The Microsoft documentation mentions the following

# Azure IoT Edge

Azure IoT Edge is an Internet of Things (IoT) service that builds on top of IoT Hub. This service is meant for customers who want to analyze data on devices, a.k.a. "at the edge", instead of in the cloud. By moving parts of your workload to the edge, your devices can spend less time sending messages to the cloud and react more quickly to changes in status.

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

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

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

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**Question 53**

Correct

Domain :Understand Core Azure Services

A company wants to implement an IoT solution using the service available in Azure. Which of the following would meet the below requirement?

"Provide bi-directional communication between IoT application and the devices"

- A. IoT Hub 
- B. IoT Central
- C. IoT Edge
- D. Azure Time Series Insights

**Explanation:**

Answer – A

The Microsoft documentation mentions the following

**IoT Hub:** This service allows you to connect from your devices to an IoT hub, and monitor and control billions of IoT devices. This is especially useful if you need bi-directional communication between your IoT devices and your back end. This is the underlying service for IoT Central and IoT solution accelerators.

# What is Azure IoT Hub?

08/08/2019 • 3 minutes to read • 

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.

IoT Hub supports communications both from the device to the cloud and from the cloud to the device. IoT Hub supports multiple messaging patterns such as device-to-cloud telemetry, file upload from devices, and request-reply methods to control your devices from the cloud. IoT Hub monitoring helps you maintain the health of your solution by tracking events such as device creation, device failures, and device connections.

IoT Hub's capabilities help you build scalable, full-featured IoT solutions such as managing industrial equipment used in manufacturing, tracking valuable assets in healthcare, and monitoring office building usage.

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

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

<https://docs.microsoft.com/en-us/azure/iot-fundamentals/iot-introduction>

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

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Question 54

Incorrect

**Domain :Understand Core Azure Services**

A company wants to implement an IoT solution using the service available in Azure. Which of the following would meet the below requirement?

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

- A. IoT Hub
- B. IoT Central 
- C. IoT Edge
- D. Azure Time Series Insights 

**Explanation:**

Answer – D

The Microsoft documentation mentions the following

## Azure Time Series Insights Preview overview

12/05/2018 • 4 minutes to read • Contributors 

Azure Time Series Insights Preview is an end-to-end platform-as-a-service offering. It's used to ingest, process, store, and query highly contextualized, time-series-optimized IoT-scale data. Time Series Insights is ideal for ad-hoc data exploration and operational analysis. Time Series Insights is a uniquely extensible and customized service offering that meets the broad needs of industrial IoT deployments.

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

For more information on Azure Time Series Insights, please visit the below URL

<https://docs.microsoft.com/en-us/azure/time-series-insights/>

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**Question 55****Correct****Domain :Understand Security, Privacy, Compliance, and Trust**

A company is planning on hosting a set of resources in Azure. They want to protect their resources against DDoS attacks and also get real time attack metrics. Which of the following should the company opt for?

- A. DDoS Protection Basic
- B. DDoS Protection Standard ✓
- C. DDoS Protection Premium
- D. DDoS Protection Isolated

**Explanation:**

Answer - B

The Microsoft documentation mentions the following

Feature	DDoS Protection Basic	DDoS Protection Standard
🔍 Active traffic monitoring & always on detection	Yes	Yes
🚫 Automatic attack mitigations	Yes	Yes
🕒 Availability guarantee	Azure region	Application
📜 Mitigation policies	Tuned for Azure region traffic volume	Tuned for application traffic volume
ℹ️ Metrics & alerts	No	Real time attack metrics & diagnostic logs via Azure monitor
💬 Mitigation reports	No	Post attack mitigation reports
☰ Mitigation flow logs	No	NRT log stream for SIEM integration
📝 Mitigation policy customizations	No	Engage DDoS experts
👤 Support	Best effort	Access to DDoS Experts during an active attack
📄 SLA	Azure region	Application SLA guarantee & cost protection
💲 Pricing	Free	Monthly & usage based

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

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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