

Question

Your company wants to be able to manage both Docker and Microsoft-based containers. What Azure compute services will you be able to use for this purpose?

Select all options that apply.

☐ **Azure Kubernetes (AKS)**

Correct

Azure Kubernetes Service is a complete orchestration service for containers with distributed architectures and large volumes of containers. Orchestration is the task of automating and managing a large number of containers and how they interact.

☐ **Azure App Service**

☐ **Azure Container Instances (ACI)**

Correct

Azure Container Instances offers the fastest and simplest way to run a container in Azure without having to manage any virtual machines or adopt any additional services. It's a platform as a service (PaaS) offering that allows you to upload your containers, which it runs for you.

Question

Tailwind Traders want to accelerate app development using an event-driven, serverless architecture. Which of the following services should be used?

☐ **Azure Functions**

☐ **Azure App Service**

☐ **Azure Container Instances (ACI)**

Correct

Azure Functions is used when you need to perform work in response to an event (often via a REST request), timer, or message from another Azure service, and when that work can be completed quickly, within seconds or less.

Question

Which of the following statements do you think are true of Azure Blob Storage?

You might have to make an educated guess! Select all the options that apply.

☐ **It can store files for distributed access.**

Correct

Blob storage is ideal for storing files for distributed access.

- ☐ It is good for streaming audio and video.

Correct

Blob storage is also good for streaming audio and video.

- ☐ It can be used for backup and restore, disaster recovery, and archiving.

Correct

You can store data for backup and restore, disaster recovery, and archiving.

- ☐ It can add storage capacity indefinitely for Virtual Machines.

Question

Which of the following situations are suitable for using Azure Files?

Check all that apply.

- ☐ On-premises applications that use file shares

Correct

Azure Files makes it easier to migrate those applications that share data to Azure.

- ☐ Store configuration files on a file share.

Correct

Configuration files can be stored on a file share and accessed from multiple VM. Tools and utilities used by multiple developers in a group can be stored on a file share, ensuring that everybody can find them and that they use the same version.

- ☐ Write data to a file share, and process or analyze the data later.

Correct

This is typically done with diagnostic logs, metrics, and crash dumps.

- ☐ Storing data for analysis by an on-premises or Azure-hosted service.

Question

Which of the following are capabilities of Azure virtual networks?

Select all that apply.

- ☐ Internet communications

Correct

Internet communications is a capability of Azure virtual networks.

- ☐ Connect virtual networks

Correct

Azure virtual networks gives you the capability of connecting virtual networks.

- ☐ Communication with on-premises resources

Correct

The ability to communicate with on-premises resources is a capability of Azure virtual networks.

- ☐ Dedicated private connectivity to Azure that doesn't travel over the internet

Question

Which of the following are benefits of ExpressRoute? Check all that apply.

- ☐ Redundant connectivity

Correct

ExpressRoute provides built-in redundancy in every peering location for higher reliability.

- ☐ Encrypted network communication
- ☐ Dynamic routing

Correct

ExpressRoute provides dynamic routing between your network and Microsoft via BGP.

- ☐ Access to Microsoft cloud services

Correct

ExpressRoute provides connectivity to Microsoft cloud services across all regions in the geopolitical region.

Question

You need to create a human-computer interface that uses natural language to answer customer questions; cost and time are important factors in your selection.

Which product option should you select?

- ☐ Azure Bot Service
- ☐ Azure Machine Learning
- ☐ Azure Cognitive Services

Correct

Azure Bot Service creates virtual agent solutions that utilize natural language and is a cost-effective option.

Question

If Tailwind traders decide to build a virtual agent that interfaces with humans via natural language

which Azure solution would best suit its needs?

- ☐ Azure Bot Service
- ☐ Azure Cognitive Services
- ☐ Azure Machine Learning

Correct

Azure Bot Service creates virtual agent solutions that utilize natural language and is a cost-effective option.

Question

Tailwind Traders need a service that can understand the content and meaning of images, video, audio, or translate text into a different language, which Azure solution would best suit its needs?

- ☐ Azure Cognitive Services Translator service
- ☐ Azure Bot Service
- ☐ Azure Cognitive Services Personalizer

Correct

You can simplify the translating of textual content from one language into another using the Azure Cognitive Services Translator service.

Question

Will the Tailwind Traders app need to predict future outcomes based on private historical data?

- ☐ Yes
- ☐ No

Correct

In this case, there is no need to predict future outcomes based on private historical data.

Question

Which service could help you manage the VMs that your developers and testers need to ensure that your new app works across various operating systems?

☒ Azure DevTest Lab

☐ Azure Repos

☐ Azure Test Labs

Correct

Azure DevTest Labs is used to manage VMs for testing, including configuration, provisioning, and automatic de-provisioning.

Question

You can use Azure Advisor to analyze the configuration and usage of your deployed resources. Do you think this can help you to reduce costs?

☒ Yes

☐ No

Correct

Cost reduction is one of the many things you can achieve with Azure Advisor.

Question

Which of the following services can you use to monitor Azure itself, especially the services and regions you depend on?

☒ Azure Service Health

☐ Azure Monitor

☐ Azure Advisor

Correct

That's right. You can use Azure Service Health to view the current status of the Azure services you rely on.

Question

In this scenario, do you think Tailwind Traders needs to analyze its Azure usage for the sake of optimization?

☒ Yes

☐ No

Correct

Yes, that's right. Azure offers tools that Tailwind Traders can use to analyze its resources for the sake of optimization.

Question

Do you think you can use Azure Advisor to set up alerts for outages?

☒ Yes

☐ No

Correct

That's right. Azure Advisor evaluates your Azure resources and makes recommendations to help improve reliability, security, and performance, achieve operational excellence, and reduce costs. It is not used to set up alerts for outages.

Question

In this scenario, does Tailwind Traders want to monitor the health of Azure services that affect all customers or the resources deployed on Azure?

☒ The resources deployed on Azure

☐ The health of Azure services

Correct

Yes, that's right. Because this issue happens intermittently, it's likely that a logic issue exists somewhere in their e-commerce website code, or another issue around the database.

Question

Do you think you can use Azure Monitor to set up alerts for outages?

☒ Yes

☐ No

Correct

With Azure Monitor, you can use data to help you react to critical events in real-time, through alerts delivered to teams via SMS, email, and so on.

Question

Do you feel it would be important for Tailwind Traders to implement alerts for events such as service outages?



☐ No

Correct

Yes, Tailwind Traders should set up alerts when autoscaling is about to deploy a new instance, as well as for outages.

Question

Which Azure product do you think you should use in this scenario? Think about the questions you have just answered using the decision criteria covered to help you make a decision.



☐ Azure Portal

☐ Azure CLI

Correct

Yes, that's right. Azure PowerShell is the best option in this case.

Question

Do you think there is an Azure service that lets you remotely perform one-off management, administrative, reporting actions?



☐ No

Correct

Question

Do you think you can also use Azure PowerShell or the Azure CLI to deploy infrastructure?



☐ No

Correct

That's right. You could use Azure PowerShell or the Azure CLI, but these scripting technologies have significant limitations when it comes to deploying infrastructure. ARM templates can help overcome these limitations.

Question

You have noted that most of the data your system processes arrive during business hours. Your goal is to implement a product that can scale automatically to accommodate busier times so that you only pay for what you use. Which Azure solution would best suit your business goal?



☐ Azure Logic Apps

Correct

Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure. Azure Functions scales automatically, and charges accrue only when a function is triggered. These qualities make Azure Functions a solid choice when demand is variable. Azure Functions can scale out to accommodate these busier times.

Question

Let's say you need to execute custom algorithms or perform specialized data parsing and data lookups.

Which Azure solution would best suit your business goal?

☐ Azure Logic Apps



Correct

Azure Functions works well for this scenario.

Question

Your team has limited experience with writing custom code, but it sees tremendous value in automating several important business processes. Which of the following solutions do you think you should use to achieve this?

☐ Azure Functions



Correct

That's it, Azure Logic Apps is the best option in this case.

Question

Which of the following solutions do you think would work best in this scenario where the company wants to update a Windows service to include real-time inventory tracking?



Azure Functions



Azure Logic Apps

Correct

Azure Functions is the best option in this case.

Question

Your team sees an opportunity to reach out proactively to customers who provide low scores and leave comments with a negative sentiment. Which of the following options is your team's best option?



Azure Logic Apps



Azure Functions

Correct

In this scenario, Azure Logic Apps is likely the best solution.

Knowledge check

Total points 6

1.Question 1

Azure supports a wide range of computing solutions for development and testing, running applications, and extending your data center.

When you require lightweight, virtualized application environments that can be quickly created, scaled out, and stopped dynamically, which of the following solutions is most suitable?

1 / 1 point

- ☐ Virtual machine scale sets
- ☐ App Services
- ☐ Containers and Kubernetes
- ☐ Virtual machines

Correct

Azure Container Instances and Azure Kubernetes Service (AKS) are Azure compute resources that you can use to deploy and manage containers. These are lightweight, virtualized application environments that are designed to be quickly created, scaled out, and stopped dynamically. You can run multiple instances of a containerized application on a single host machine.

2.Question 2

Azure supports a wide range of computing solutions for development and testing, running applications, and extending your data center.

When the demand for services targeting big compute, big data, and containerized workloads increases, one feature of Azure Compute Services is the ability to quickly deploy identical VMs. What is this feature known as?

1 / 1 point

- ☐ Virtual machines
- ☐ Virtual machine scale sets
- ☐ Functions
- ☒ Containers and Kubernetes

Correct

Virtual machine scale sets are an Azure compute resource that you can use to deploy and manage a set of identical VMs. With all VMs configured the same, virtual machine scale sets are designed to support true autoscale.

3.Question 3

Azure Virtual Machines (VMs) let you create and use virtual machines in the cloud. They provide Infrastructure as a Service (IaaS) in the form of a virtualized servers and can be used in many ways. Just like a physical computer, you can customize all the software running on the VM. Who is responsible for maintaining, configuring, and updating Azure Virtual Machines (VMs)?

1 / 1 point

- ☐ The Cloud provider
- ☒ The Cloud Tenant

Correct

An Azure VM gives you the flexibility of virtualization without having to buy and maintain the physical hardware that runs the VM. However, the cloud tenant still needs to configure, update, and maintain the software that runs on the VM.

4.Question 4

What can you use to enable large-scale parallel and high-performance computing (HPC) jobs with the ability to scale to tens, hundreds, or thousands of VMs?

1 / 1 point

- ☐ Virtual Machine Scale Sets
- ☐ Azure Batch
- ☐ Containers
- ☐ Azure Virtual Machines

Correct

Azure Batch enables large-scale parallel and high-performance computing (HPC) batch jobs with the ability to scale to tens, hundreds, or thousands of VMs.

5.Question 5

The task of automating, managing, and interacting with a large number of containers is known as orchestration. Which of the following services allows you to manage and interact with a large number of containers?

1 / 1 point

- ☐ Azure Container Instances (ACI)
- ☒ Azure Kubernetes Service (AKS)

Correct

The task of automating, managing, and interacting with a large number of containers is known as orchestration. Azure Kubernetes Service (AKS) is a complete orchestration service.

6.Question 6

Which cloud service model allows you to run Azure Container Instances (ACI)?

1 / 1 point

- ☐ IaaS
- ☐ PaaS
- ☒ SaaS

Correct

Azure Container Instances offers the fastest and simplest way to run a container in Azure without having to manage any virtual machines or adopt any additional services. It is a PaaS offering that allows you to upload your containers, which it will run for you.

Question

Your team needs a more robust set of options for controlling permissions across the entire portfolio of work. Which solution would be the best option for the team?

- ☐ Azure DevOps
- ☐ GitHub

Correct

Azure DevOps has a much more granular set of permissions that allow organizations to refine who is able to perform most operations across the entire toolset.

Knowledge check

Total points 6

1.Question 1

True or False?

Azure storage is used by both Infrastructure as a Service (IaaS) virtual machines, and Platform as a Service (PaaS) cloud services.

1 / 1 point

☐ True

☐ False

Correct

You can use Azure Storage on its own. For example, you can use it as a file share. Developers also often use it as a repository for working data. These repositories can be used by websites, mobile apps, desktop applications, and many other types of custom solutions. Azure Storage is also used by Infrastructure as a Service (IaaS) virtual machines, and Platform as a Service (PaaS) cloud services.

2.Question 2

Azure Blob Storage is Microsoft's object storage solution for the cloud. Is the following statement on Azure Blob storage true or false?

Azure Blob Storage is ideal for streaming video and audio.

1 / 1 point

☐ True

☐ False

Correct

Blob Storage is ideal for serving images or documents directly to a browser, storing files for distributed access, and streaming media.

3.Question 3

True or False?

Azure Files are accessible via the industry standard Server Message Block (SMB) protocol.

1 / 1 point

☐ True

☐ False

Correct

Azure Files offers fully managed file shares in the cloud that are accessible via the industry standard Server Message Block (SMB) protocol. Azure file shares can be mounted concurrently by cloud or on-premises deployments of Windows, Linux, and macOS.

4.Question 4

True or False?

Azure files can be accessed from anywhere in the world using a URL that points to the file.

1 / 1 point

☐ True

☐ False

Correct

One thing that distinguishes Azure Files from files on a corporate file share is that you can access the files from anywhere in the world using a URL that points to the file.

5.Question 5

True or False?

Shared Access Signature (SAS) tokens allow access to a private asset for a specific amount of time.

1 / 1 point

☐ True

☐ False

Correct

You can also use Shared Access Signature (SAS) tokens to allow access to a private asset for a specific amount of time.

6.Question 6

Azure storage offers different access tiers for blob and file storage. This allows you to store object data in the most cost-effective manner. What do you think is the most cost-effective tier to optimize storage for data that is infrequently accessed and stored for at least 30 days?

1 / 1 point

☐ Cool storage tier

☐ Hot storage tier

☐ Archive storage tier

Correct

Cool storage tier is optimized for data that is infrequently accessed and stored for at least 30 days, like invoices for your customers.

Knowledge check

Total points 6

1.Question 1

Azure virtual networks enable you to link resources together in your on-premises environment and within your Azure subscription. In effect, you can create a network that spans both your local and cloud environments. There are three mechanisms for you to achieve this connectivity.

Which of the following is not a valid mechanism?

1 / 1 point

- ☐ Service endpoints
- ☐ Site-to-site Virtual Private Networks
- ☐ Azure ExpressRoute
- ☐ Point-to-site Virtual Private Networks

Correct

You use service endpoints to connect to other Azure resource types, such as Azure SQL databases and storage accounts. This approach enables you to link multiple Azure resources to virtual networks, thereby improving security and providing optimal routing between resources.

2.Question 2

True or false?

A VM in Azure can connect out to the Internet by default.

1 / 1 point

- ☐ False
- ☐ True

Correct

A VM in Azure can connect out to the Internet by default.

3.Question 3

Azure virtual networks enable you to filter traffic between subnets. Which of the following are valid filtering approaches?

Select all options that apply.

1 / 1 point

- ☐ Border Gateway Protocol
- ☐ Network virtual appliances

Correct

A network virtual appliance is a specialized VM that can be compared to a hardened network appliance. A network virtual appliance carries out a particular network function, such as running a firewall or performing Wide Area Network (WAN) optimization.

- ☐ Network security groups

Correct

That's correct. A network security group is an Azure resource that can contain multiple inbound and outbound security rules. You can define these rules to allow or block traffic, based on factors such as source and destination IP address, port, and protocol.

4.Question 4

When you create an Azure virtual network, you configure a number of settings such as multiple subnets, distributed denial of service (DDoS) protection, and service endpoints. Which of the following fields must be completed as part of the setup?

Select all options that apply.

1 / 1 point

- ☐ Name

Correct

You must provide a name for the virtual network.

- ☐ DDoS Protection
- ☐ Resource Group

Correct

All resources must be associated with a resource group.

- ☐ Subscription

Correct

All resources must be associated with a valid subscription.

5.Question 5

Policy-based VPN gateways specify statically the IP address of packets that should be encrypted through each tunnel. This type of device evaluates every data packet against those sets of IP addresses to choose the tunnel where that packet is going to be sent through.

Which of the following are key features of policy-based VPN gateways in Azure?

Select all options that apply.

1 / 1 point

- ☐ Compatibility with legacy on-premises VPN devices.

Correct

Policy-based VPNs must be used in specific scenarios that require them, such as for compatibility with legacy on-premises VPN devices.

- ☐ Support for IKEv2.
- ☐ Dynamic routing protocols.
- ☐ Use of static routing.

Correct

Combinations of address prefixes from both networks control how traffic is encrypted and decrypted through the VPN tunnel. The source and destination of the tunneled networks are declared in the policy and don't need to be declared in routing tables.

6.Question 6

Which of the following are supported ExpressRoute models that you can use to connect your on-premises network to the Microsoft cloud?

Select all options that apply.

1 / 1 point

- ☐ Point-to-point Ethernet connection

Correct

Point-to-point connections provide Layer 2 and Layer 3 connectivity between your on-premises site and Microsoft Azure. You can connect your offices or datacenters to Azure by using the point-to-point links.

- ☐ Any-to-any connection

Correct

With any-to-any connectivity you can integrate your wide area network (WAN) with Microsoft Azure by providing connections to your offices and datacenters.

- ☐ Cloud Exchange colocation

Correct

Co-located providers can normally offer both Layer 2 and Layer 3 connections between your infrastructure, which might be located in the colocation facility, and the Microsoft cloud.

- ☐ Site-to-site connection

Knowledge check

Total points 6

1.

Question 1

Artificial Intelligence (AI) is a broad classification of computing that allows a software system to perceive its environment and take action that maximizes its chance of successfully achieving its goals. A goal of AI is to create a software system that is able to adapt or learn something on its own without being explicitly programmed to do it.

One approach to AI is a technique that uses existing data to train and test a model, then apply that model to new data to forecast future behaviors, outcomes, and trends. What is this referred to as?

1 / 1 point

- ☒ Deep Learning
- ☐ Machine Learning

Correct

Machine learning, which is a data science technique uses existing data to train and test a model, then apply that model to new data to forecast future behaviors, outcomes, and trends.

2.

Question 2

There are three primary AI offerings from Microsoft Azure, each of which is designed for a specific audience and use case. Which of the following features are offered by Azure Cognitive Services?

Select all options that apply.

1 / 1 point

- ☒ The ability to add recognition and identification capabilities when analyzing pictures, videos, and other visual content.

Correct

Azure Cognitive Services includes vision services that allow recognition and identification capabilities when analyzing pictures, videos, and other visual content.

- ☐ The ability to train and evaluate predictive models using tools and programming languages familiar to data scientists.
- ☐ The ability to convert speech into text and text into natural-sounding speech. Translate from one language to another and enable speaker verification and recognition.

Correct

Azure Cognitive Services includes speech services that can convert speech into text and text into natural-sounding speech. It can translate one language into another and enable speaker verification and recognition.

- ☐ The ability to create virtual agents that understand and reply to questions just like a human.

3.

Question 3

What service can you use to build a virtual agent that can understand and reply to questions just like a human?

1 / 1 point

- ☐ Azure Bot Service
- ☐ Azure Cognitive Services
- ☐ Azure Machine Learning

Correct

The Azure Bot Service and Bot Framework is a platform for creating virtual agents that understand and reply to questions just like a human.

4.

Question 4

Your organization requires the development of an app that will predict future outcomes based on private historical data. Which Azure service do you think is the most appropriate to use in this scenario?

1 / 1 point

- ☐ Azure Bot Service
- ☐ Azure Cognitive Services
- ☐ Azure Machine Learning

Correct

Azure Machine Learning is a platform for making predictions. It consists of tools and services that allow you to connect to data to train and test models to accurately predict a future result.

5.

Question 5

Your organization requires the development of an app that can understand the content and meaning of images, video, audio, or translate text into a different language. Which Azure services do you think is the most appropriate to use in this scenario?

1 / 1 point

- ☐ Azure Bot Service
- ☐ Azure Cognitive Services
- ☐ Azure Machine Learning

Correct

Azure Cognitive Services provides pre-built machine learning models that enable applications to see, hear, speak, understand, and even begin to reason.

6.

Question 6

Your organization requires the development of an app that will include both a virtual agent that interfaces with humans through natural language and understand the content and meaning of images, video, audio. What two Azure Services do you think are most suitable for developing this app?

Select all options that apply.

1 / 1 point

- ☐ Azure Bot Service

Correct

The Azure Bot Service and Bot Framework is a platform for creating virtual agents that understand and reply to questions just like a human.

- ☐ Azure Machine Learning
- ☐ Azure Cognitive Services

Correct

Azure Cognitive Services provides pre-built machine learning models that enable applications to see, hear, speak, understand, and even begin to reason.

Knowledge check

Total points 6

1.

Question 1

Software developers and operations professionals traditionally work to create software systems that satisfy the needs of the organization. DevOps is a new approach that helps to align technical teams to work towards their common goal. Which of the following provides a suite of services that addresses each stage of the Software Development Lifecycle (SDL)?

1 / 1 point



Azure DevOps Services



Azure DevTest Labs



GitHub and GitHub Actions

Correct

Azure DevOps is a suite of services that address every stage of the Software Development Lifecycle (SDL).

2.

Question 2

Which of the following is a shared source code repository that includes tools that enable developers to perform code reviews by adding comments and questions in a web-view of the source code before it is merged into the main code base?

1 / 1 point



Azure DevOps Services



Azure DevTest Labs



GitHub and GitHub Actions

Correct

GitHub is one of the most popular code repositories for open-source software. GitHub provides related services for coordinating work, reporting, and discussing issues, providing documentation, and more.

3.

Question 3

True or False

GitHub is “lighter weight” than Azure DevOps, with a focus on individual developers contributing to open source while Azure DevOps, is more focused on enterprise development with heavier project management, planning tools, and finer-grained access control.

1 / 1 point

☐ False

☒ True

Correct

GitHub has a long and trusted history with public repositories and is trusted by tens of thousands of open-source projects. GitHub is “lighter weight” than Azure DevOps, with a focus on individual developers contributing to open source. Azure DevOps, on the other hand, is more focused on enterprise development with heavier project management and planning tools, and finer-grained access control.

4.

Question 4

True or False

Azure DevTestLabs provide automated provisioning of pre-created lab environments with required configurations and tools already installed.

1 / 1 point

☒ True

☐ False

Correct

Azure DevTest Labs allows for the provisioning of pre-created lab environments with required configurations and tools already installed. It is a huge timesaver for quality assurance professionals and developers.

5.

Question 5

In your organization software development teams work on many different projects and they are required to provide project sponsors and managers with reports, progress tracking, bug reports etc. Management wants to ensure that individuals have access to only the information they need to do their work.

Which of the following in your opinion would be the most suitable solution to implement?

1 / 1 point

☐ Azure DevTest Labs

☐ GitHub and GitHub Actions

☒ Azure DevOps Services

Correct

Azure DevOps has a much more granular set of permissions that allow organizations to refine who is able to perform most operations across the entire toolset. Also, Azure DevOps is highly customizable, allowing an administrator to add custom fields to capture metadata and other information alongside each work item. By contrast, GitHub Issues uses tags as its primary means of helping a team categorize issues.

6.

Question 6

Your company wants to publish an open-source API that allows third-parties to integrate their own inventories of new and used items. They also want to use the API to offer a wider variety of products directly from your ecommerce site. You need a platform to share example code, collect feedback on the API, allow contributors to report issues, and build a community around feature requests.

Which of the following do you think is the most suitable solution to implement?

1 / 1 point



Azure DevTest Labs



GitHub and GitHub Actions



Azure DevOps Services

Correct

With GitHub, your company can publish its code, accept community contributions to improve the code examples, accept feedback, and bug reports. Because this scenario involves open-source code, GitHub is a leading candidate.

Knowledge check

Total points 5

1.

Question 1

Which of Azure's three primary monitoring offerings are most useful for collecting, analyzing, visualizing, and possibly taking actions based on the collected data from your entire Azure and on-premises environment?

1 / 1 point



Azure Advisor



Azure Monitor



Azure Service Health

Correct

Azure Monitor is a platform for collecting, analyzing, visualizing, and potentially taking action based on the metric and logging data from your entire Azure and on-premises environment.

2.

Question 2

Which of Azure's three primary monitoring offerings are most useful for providing a personalized view of the health of the Azure services, regions, and resources?

1 / 1 point



Azure Service Health



Azure Monitor



Azure Advisor

Correct

Azure Service Health provides a personalized view of the health of the Azure services, regions, and resources.

3.

Question 3

You need to optimize your cloud services for reliability, security, performance, costs, and operations based on expert best practices. Which Azure monitoring tool would you recommend to best satisfy this requirement?

1 / 1 point



Azure Service Health



Azure Advisor



Azure Monitor

Correct

Azure Advisor evaluates your Azure resources and makes recommendations to help you improve reliability, security, and performance, achieve operational excellence, and reduce costs.

4.

Question 4

You have been tasked with creating alerts that will send notifications to your department when Azure outages occur. Which Azure monitoring tool would you recommend to do this?

1 / 1 point



Azure Service Health



Azure Advisor



Azure Monitor

Correct

Azure Monitor is a platform for collecting, analyzing, visualizing, and potentially taking action based on the metric and logging data from your entire Azure and on-premises environment.

5.

Question 5

Your company has recently moved to Azure cloud services. Management are concerned that they may be spending too much and have also highlighted how well their new environment meet security best practices. They would like to analyze their use of the cloud analyzed against industry best practices. Which monitoring tool would you recommend using for this?

1 / 1 point



Azure Service Health



Azure Monitor



Azure Advisor

Correct

Azure Advisor evaluates your Azure resources and makes recommendations to help you improve reliability, security, and performance, achieve operational excellence, and reduce costs.

Knowledge check

Total points 4

1.

Question 1

Your company has recently moved to Azure cloud services from an on-premises Windows environment and the Chief Financial Officer (CFO) wants to gain insights into how Azure resources are being used and costed. He wants to see the data displayed visually and be able to run reports on an ongoing basis in real-time. Which tool would you recommend using in this scenario?

1 / 1 point

- ☐ Azure PowerShell
- ☒ Azure Portal
- ☐ Azure CLI
- ☐ ARM Templates

Correct

Given the requirement to view data visually and create custom reports the Azure portal is the best choice. You can quickly find answers to questions using a range of reporting options.

2.

Question 2

Your company runs a successful ecommerce business. Typically, at certain times of the year resource usage spikes and it becomes necessary for some staff members to be onsite to monitor the services and deal with any issues these surges may cause. Having moved to Azure, the IT (Information Technology) manager is now hoping to provide a solution that will allow employees to monitor the services remotely.

Which service Azure Cloud services do you think is best to use in this scenario?

1 / 1 point

- ☒ Azure mobile app
- ☐ Azure CLI
- ☐ Azure PowerShell

Correct

The Azure mobile app running on a phone or tablet could help key employees keep an eye on the health of the cloud environment. The Azure mobile app is a good compromise in this scenario, it allows employees

the freedom to be away from the office while still being able to perform one-off management and administrative tasks.

3.

Question 3

True or False

Azure PowerShell is available for Windows, Linux, and Mac,

1 / 1 point

☐ False

☒ True

Correct

Azure PowerShell is available for Windows, Linux, and Mac, and can be accessed in a web browser via the Cloud Shell.

4.

Question 4

True or False

The Azure CLI (Command Line Interface) is an executable program that allows developers, DevOps, and IT professionals to execute commands using bash.

1 / 1 point

☒ True

☐ False

Correct

The Azure CLI (Command Line Interface) is an executable program that allows developers, DevOps, and IT professionals execute commands using bash.

Knowledge Check

Total points 5

1.

Question 1

True or False

The term “serverless computing” means that there is no underlying Server component.

1 / 1 point

☐ True

☒ False

Correct

There is a server (or a group of servers) that execute your code or desired functionality. The key idea is that you are not responsible for setting up or maintaining that server. You don't have to worry about scaling the server or dealing with outages. The cloud vendor takes care of all the maintenance and scaling concerns for you.

2.

Question 2

True or False?

Serverless computing is primarily used to process messages sent from end-users to the back-end system.

1 / 1 point

☐ True

☒ False

Correct

Serverless computing is used to handle backend scenarios. It is responsible for sending messages from one system to another, or processing messages that were sent from other systems. It's not used for end-user facing systems.

3.

Question 3

Azure Cloud services provides two serverless computing services Azure Functions and Azure Logic Apps. Which service allows a program to run in response to an event, like an HTTP request, a new message on a queue?

1 / 1 point

☐ Azure Logic Apps



Azure Functions

Correct

Azure Functions allows you to host a single method or function using a popular programming language in the cloud that runs in response to an event such as an HTTP request, a new message on a queue, or on a timer.

4.

Question 4

Which serverless computing service can make use of a web-based designer and can execute logic triggered by Azure services without writing any code?

Select all options that apply.

1 / 1 point



Azure Functions

Correct

Azure Functions allows you to host a single method or function using a popular programming language in the cloud that runs in response to an event, like an HTTP request, a new message on a queue, or on a timer.



Azure Logic Apps

Correct

Logic Apps is low-code / no-code development platform hosted as a cloud service that helps you automate and orchestrate tasks, business processes, and workflows. An Azure Logic Apps is designed in a web-based designer and can execute logic triggered by Azure services without writing any code

5.

Question 5

Currently, your company randomly sends out requests to purchasers asking them to participate in a customer satisfaction survey. The customer service department would like to be more proactive in responding to poor satisfaction ratings. The company has recently moved to Azure cloud services and believes it should be possible to dynamically respond to specific customer satisfaction responses.

Which of the following services could assist in such an automated process?

1 / 1 point



Azure Logic Apps



Azure Functions

Correct

Azure Logic Apps is a development platform hosted as 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.

Test prep

Latest Submission Grade 100%

1.Question 1

Which of the following cloud database solutions provides developers with the ability to use multiple APIs that they may already be familiar with?

1 / 1 point



Cosmos DB



Azure Database for MySQL



Azure SQL Database



Azure Database for PostgreSQL

Correct

Azure Cosmos DB supports schema-less data, which lets you build highly responsive and Always-On applications to support constantly changing data. You can use this feature to store data that is updated and maintained by users around the world and supports multiple APIs.

2.Question 2

Hyperscale (Citus) is a feature of which Cloud based Database solution?

1 / 1 point



Azure Database for MySQL



Azure Database for PostgreSQL



Azure SQL Database



Cosmos DB

Correct

Azure Database for PostgreSQL is a relational database service in Microsoft cloud. The server software is based on the community version of the open-source PostgreSQL database engine. Azure Database for PostgreSQL is available in two deployment options: Single Server and Hyperscale (Citus).

3.Question 3

Azure Database for PostgreSQL is a relational database service in Microsoft cloud. The server software is based on the community version of the open-source PostgreSQL database engine. One feature of the Azure database for PostgreSQL is support for Automatic backups and point-in-time-restore for up to how many days?

1 / 1 point



35

- ☐ 45
- ☐ 15
- ☐ 25

Correct

Azure database for PostgreSQL supports Automatic backups and point-in-time-restore for up to 35 days.

4.Question 4

Azure Database for MySQL is a relational database service in the Microsoft cloud which is based on the MySQL Community Edition database engine. What level of SLA do you think is implemented?

1 / 1 point

- ☐ 90.00%
- ☐ 99.00%
- ☐ 99.90%

☒ 99.99%

Correct

Azure Database for MySQL delivers built-in high availability with no additional cost of 99.99% SLA.

5.Question 5

Azure supports a wide range of computing solutions for development and testing, running applications, and extending your data center. When you want to quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform which of the following solutions is most suitable?

1 / 1 point

- ☐ Virtual machine scale sets
- ☐ Containers and Kubernetes
- ☐ Virtual machines

☒ App Services

Correct

With App Services, you can quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform.

6.Question 6

With App Services, you can quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Who is responsible for managing the underlying platform?

1 / 1 point

- ☐ The Cloud provider
- ☐ The Cloud Tenant

Correct

App Services provides a managed hosting environment where developers can upload their web applications without having to worry about dealing with the physical hardware and software requirements.

Test prep

Latest Submission Grade 100%

1.Question 1

True or false?

Archive storage tier stores data online.

1 / 1 point

☐ True

☐ False

Correct

Archive storage stores data offline and offers the lowest storage costs but also the highest data rehydrate and access costs.

2.Question 2

Azure storage offers different access tiers for blob and file storage. This allows you to store object data in the most cost-effective manner. What do you think is the most cost-effective tier to optimize storage for data that is frequently accessed, such as images from your website, and stored for at least 30 days?

1 / 1 point

☐ Cool storage tier

☐ Archive storage tier

☒ Hot storage tier

Correct

Hot storage tier is optimized for storing data that is accessed frequently, like images for your website.

3.Question 3

True or false?

Network security groups contain security rules that enable you to filter the type of network traffic that can flow in and out of virtual network subnets and network interfaces.

1 / 1 point

☐ True

☐ False

Correct

Network security groups have security rules that enable you to filter the type of network traffic that can flow in and out of virtual network subnets and network interfaces. You create the network security group separately, and then associate it with the virtual network.

4.Question 4

A VPN gateway is a type of Virtual Network Gateway. To connect on-premises data centers to Azure virtual networks you need to configure...

1 / 1 point

☐ network-to-network connection

☒ site-to-site connection.

☐ point-to-site connection.

Correct

You connect on-premises data centers to Azure virtual networks through a site-to-site connection.

5.Question 5

True or False?

All Azure subscriptions connect from on-premises to Azure using Azure Express Route.

1 / 1 point

☐ True

☐ False

Correct

Azure ExpressRoute lets you seamlessly extend your on-premises networks into the Microsoft cloud. This connection between your organization and Azure is dedicated and private. Establishing an ExpressRoute connection enables you to connect to Microsoft cloud services like Azure, Office 365, and Dynamics 365. Security is enhanced, connections are more reliable, latency is minimal, and throughput is greatly increased.

6.Question 6

Which of the following resources are required before you can deploy a VPN gateway between Azure and on-premises resources?

Select all options that apply.

1 / 1 point

☒ Virtual network.

Correct

You must deploy an Azure virtual network with enough address space for the additional subnet that you'll need for the VPN gateway. The address space for this virtual network must not overlap with the on-premises network that you'll be connecting to.



Virtual network gateway

Correct

You must create the virtual network gateway to route traffic between the virtual network and the on-premises data center or other virtual networks.



Public IP address.

Correct

You must create a Basic-SKU dynamic public IP address if using a non-zone-aware gateway. This address provides a public-routable IP address as the target for your on-premises VPN device.



Point-to-site connection

Test prep

Latest Submission Grade 100%

1.

Question 1

Which of Azure's monitoring offerings would be most beneficial for evaluating your Azure resources and making recommendations to help you improve reliability, security, and performance?

1 / 1 point



Azure Monitor



Azure Advisor



Azure Service Health

Correct

Azure Advisor evaluates your Azure resources and makes recommendations to help you improve reliability, security, and performance, achieve operational excellence, and reduce costs.

2.

Question 2

Tailwind Traders have recently migrated to Azure cloud services. Management wants to ensure that their current implementation is optimized for security and performance in line with industry best practices. Which monitoring tool would you recommend using for this?

1 / 1 point



Azure Service Health



Azure Monitor



Azure Advisor

Correct

Azure Advisor evaluates your Azure resources and makes recommendations to help you improve reliability, security, and performance, achieve operational excellence, and reduce costs

3.

Question 3

Your company runs a successful eCommerce business. The company has multiple offices which require IT staff to travel between them on a regular basis. Having recently migrated to Azure, the IT (Information Technology) manager is now hoping to provide a solution that will allow employees to monitor the services remotely. Which service Azure Cloud services do you think is best to use in this scenario?

1 / 1 point

☐ Azure PowerShell

☐ Azure CLI

☒ Azure Mobile App

Correct

The Azure mobile app running on a phone or tablet could help key employees keep an eye on the health of the cloud environment. The Azure mobile app is a good compromise in this scenario, it allows employees the freedom to be away from the office while still being able to perform one-off management and administrative tasks.

4.

Question 4

Your company has recently moved to Azure cloud services from a Linux based on-premises environment. Which tool would you recommend using in this scenario?

1 / 1 point

☐ Azure Portal

☐ Azure PowerShell

☒ Azure CLI

☐ ARM Templates

Correct

Azure CLI is more beneficial to those with a Linux administration and scripting background who wish to perform one-off management or administrative actions.