1. 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.

2. 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**

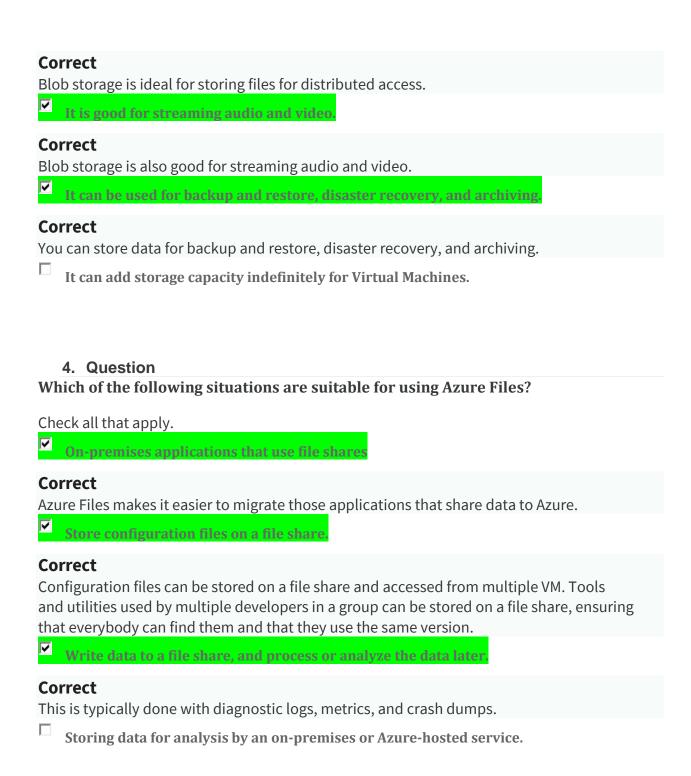○ **Azure Container Instances (ACI)**

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.

3. 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.

4. 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.

5. 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**

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. Question

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

- ◉ Yes

- ○ No

Correct

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

19. 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 PowerShell

- ○ Azure Portal

- ○ Azure CLI

Correct

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

20. Question

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

- ⊙ Yes

- ○ No

Correct

21. Question

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

- ⊙ Yes

- ○ 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.

22. 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 Functions

○ 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.

23. 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

○ Azure Functions

Correct

Azure Functions works well for this scenario.

24. 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

○ Azure Logic Apps

Correct

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

25. 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.

26. 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.

27. Question

Let's say you want to send messages from an IoT device to the cloud and vice versa. Which IoT technology can you use to send and receive messages?

- ⚪ Azure IoT Central

- 🔘 Azure IoT Hub

- ⚪ Azure Sphere

Correct

An IoT hub communicates to IoT devices by sending and receiving messages. Azure IoT Hub is a managed service that's hosted in the cloud and that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages.

28. Question

You want a pre-built customizable user interface that you can use to view and control your devices remotely. Which IoT technology would you recommend?

○ **Azure IoT Central**

○ Azure IoT Hub

○ Azure Sphere

Correct

IoT Central builds on top of IoT Hub by adding a dashboard that allows you to connect, monitor, and manage your IoT devices.

29. Question

In the Tailwind case study, the aim is for the appliances to send telemetry information to a centralized location for analysis and maintenance scheduling.   Which service would you recommend?

○ Azure IoT Central

○ **Azure IoT Hub**

○ Azure Sphere

Correct

An IoT hub communicates to IoT devices by sending and receiving messages. You can use it as a central message hub for bi-directional communication between your IoT application and the devices it manages.

30. Question

Based on what you know about the requirements in this case, which product would you recommend for Tailwind Traders?

○ **Azure IoT Central**

○ Azure IoT Hub

○ Azure Sphere

Correct

Azure IoT Central is the best choice in this scenario. The Connected Logistics starter template provides an out-of-box dashboard that will satisfy many of these requirements. This dashboard is preconfigured to showcase the critical logistics device operations activity.

31. Question

Based on what you know about the requirements in this case, which products would you recommend for Tailwind Traders?

- ⦿ Azure IoT Central

- ◯ Azure IoT Hub

- ◯ Azure Sphere

Correct

Azure IoT Central provides a dashboard that allows companies to manage IoT devices individually and in aggregate, view reports, and set up error notifications via a GUI.

32. Question

Which of the following do you think are features that should be offered by a security service? Select all options that apply.

- ☑ Automatically apply required security settings

Correct

You should be able to use a security service to apply security settings.

- ☑ Just-in-time access control

Correct

You should be able to use a security service to control access.

- ☐ Creates user roles

- ☑ Detect attacks

Correct

A security service should be able to detect attacks.

33. Question

What do you think are the benefits of using Key Vault? Select all options that apply.

☐ Just-in-time access control

☑ Centralized application secrets

Correct

This reduces the chances that secrets are accidentally leaked.

☑ Access monitoring and access control

Correct

You can monitor and control access to your application secrets.

☑ Integration with other Azure services

Correct

You can integrate Key Vault with other Azure services.

34. Question

A dedicated host is a solution to regulatory compliance that requires some organizations to be the only customer using the physical machine that hosts their virtual machines.

◉ True

○ False

Correct

A dedicated host is mapped to a physical server in an Azure datacenter. Azure Dedicated Host provides dedicated physical servers to host an organizations Azure VMs for Windows and Linux.

35. Question

What do you think is the purpose of Authentication?

○ Creates user access roles

○ Creates user access permissions for new users

○ Establishes Authorization

◉ Establishes Identity

Correct

Authentication is the process of establishing the identity of a person or service that wants to access a resource.

36. Question

Which of the following are services provided by Azure Active Directory? Select all that apply.

☐ Network Security

☑ Authentication

Correct

Authentication is a service provided by Azure Active Directory.

☑ Application Management

Correct

Application Management is a service provided by Azure Active Directory.

☑ Device Management

Correct

Device Management is a service provided by Azure Active Directory.

37. Question

Which of the following would be considered elements of Authentication? Select all that apply.

☐ An employee badge number

☑ A biometric property such as a fingerprint

Correct

A biometric property is an example of something the user is

☑ An access code sent to users mobile device

Correct

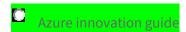An access code is an example of Something the user has.

☑ A username and password

Correct

A username and password is an example of Something the user knows.

38. Question

Think back over the tools, documentation, and proven practices that make up the Cloud Adoption Framework. Which one can you use to accelerate development and build a minimum viable product (MVP) for their idea?

○ Azure cloud migration best practices check list

☒ Azure innovation guide

○ Azure setup guide

Correct

Use this guide to accelerate development and build a minimum viable product (MVP) for your idea.

39. Question

You are able to use Azure RBAC to manage all resources and your access gives you the ability to assign roles in Azure RBAC. Which one of the Azure RBAC built-in roles has been assigned to you that gives you this level of access?

○ Reader

○ Contributor

☒ Owner

Correct

The owner role grants full access to manage all resources, including the ability to assign roles in Azure RBAC.
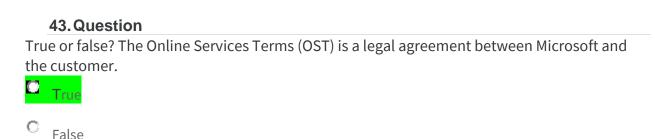
40. Question

Your company has recently migrated to Azure cloud services the management team wants you to implement resource locks to prevent accidental changes or deletions. Which of the following are valid options when configuring Resource Locks? Select all that apply.

☑ CanNotDelete

Correct

CanNotDelete means authorized people can still read and modify a resource, but they can't delete the resource without first removing the lock.

☐ Reader

☑ ReaderOnly

Correct

ReadOnly means authorized people can read a resource, but they can't delete or change the resource.

41. Question

You have applied the following policy definition, "System updates should be installed on your machines". What will this policy enable?

○ This policy enables you to specify a set of VM SKUs that your organization can deploy.

○ This policy enables you to restrict the locations that your organization can specify when it deploys resources.

◉ This policy enables Azure Security Center to recommend missing security system updates on your servers.

Correct

This policy definition enables Azure Security Center to recommend missing security system updates on your servers.

42. Question

Tailwind Traders want to automate their governance best practices across multiple subscriptions. Which solution do you think can assist them?

◉ Azure Blueprints

○ Azure Resource Groups

○ Azure Resource Manager Templates

Correct

You can automate governance best practices across multiple subscriptions using Blueprints.

43. Question

True or false? The Online Services Terms (OST) is a legal agreement between Microsoft and the customer.

- ☒ True
- ○ False

Correct

The Online Services Terms (OST) is a legal agreement between Microsoft and the customer.

44. Question

Which of the following statements best describes Azure Government?

- ☒ Azure Government is a separate instance of the Microsoft Azure service.
- ○ Azure Government is a Microsoft Azure service with an extra layer of security.
- ○ Azure Government is a Microsoft Azure service used by the public.
- ○ Azure Government is an integrated instance of the Microsoft Azure service.

Correct

Azure Government is a separate instance of the Microsoft Azure service.

45. Question

Which of the following steps do you need to take to create a report with the TCO Calculator? Check all that apply

- ☐ Subscribe to Azure
- ☑ Define your workloads

Correct

Define your workloads is step 1, out of three, when working with the TCO Calculator.

- ☑ Adjust assumptions

Correct

Adjust assumptions is step 2, out of three, when working with the TCO Calculator.

- ☑ View the report

Correct

View the report is step 3, out of three, when working with the TCO Calculator.

46. Question

If your organization subscribes to Microsoft Visual Studio, which type of Azure subscription may offer credits for your Azure account and reduced rates on Azure services?

- ☑ Member offers
- ○ Pay-as-you-go
- ○ Free trial

Correct

Your existing membership to certain Microsoft products and services might provide you with credits for your Azure account and reduced rates on Azure services. Visual Studio subscribers may be eligible for credits for your Azure account and reduced rates on Azure services.

47. Question

Which of the factors affect cost?

Select all that apply.

- ☑ Resource type

Correct

A number of factors influence the cost of Azure resources. They depend on the type of resource or how you customize it.

- ☑ Usage meters

Correct

Usage meters generate a usage record that's later used to help calculate your bill.

- ☑ Azure subscription types

Correct

Some Azure subscription types also include usage allowances, which affect costs.

- ☑ Azure Marketplace

Correct

You can purchase Azure-based solutions and services from third-party vendors through Azure Marketplace.

☑ Resource usage

Correct

In Azure, you're always charged based on what you use.

48. Question

Which of the following statements are correct?

Select all that apply.

☑ You can use Azure Advisor to monitor your usage.

Correct

☑ Azure Reservations offers discounted prices on certain Azure services.

Correct

With Azure Reservations, you can save you up to 72 percent as compared to pay-as-you-go prices. To receive a discount, you reserve services and resources by paying in advance.

☐ When you use spending limits, your extra costs roll over to the following month.

49. Question

Which of the following are benefits of migrating from IaaS to PaaS?

Select all that apply.

☑ It can be less expensive to run.

Correct

When you migrate to PaaS, it can be less expensive to run.

☑ You don't need to worry about software updates, security patches, or optimizing physical storage for read and write operations.

Correct

When you migrate to PaaS, you don't need to worry about software updates, security patches, or optimizing physical storage for read and write operations.

☐ You still get to manage the underlying operating system.

50. Question

Where can you access the SLAs for different Azure services?

Select all that apply.

☐ On the Azure Portal

☑ On Azure documentation

Correct

You can read the SLAs to learn about uptime guarantees and downtime credit policies on the Service-level agreements section of the azure.Microsoft.com website. Click on this link to have a look - https://azure.microsoft.com/en-us/support/legal/sla/

☑ On the Service-level agreements section of the azure.Microsoft.com website

Correct

You can read the SLAs to learn about uptime guarantees and downtime credit policies on the Service-level agreements section of the azure.Microsoft.com website. Click on this link to have a look - https://azure.microsoft.com/en-us/support/legal/sla/ .

51. Question

How much downtime do you think 99.9% and 99.99% represent approximately, in terms of hours and minutes, in a year?

○ 13.5 hours for 99.9% and 78 min for 99.99%

○ 4.5 hours for 99.9% and 26 min to 99.99%

○ 18 hours for 99.9% and 104 min for 99.99%

◉ 9 hours for 99.9% and 53 min for 99.99%

Correct

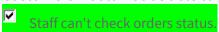The correct number of hours and minutes is 9 hours for 99.9% and 52 min for 99.99%.

52. Question

Which of the following do you think would happen if the Special Orders application went down?

Select all options that apply.

☑ Customers can't place orders.
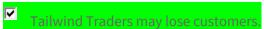
Correct

Customers would not be able to place orders if the Special Orders app went down.

☑ Staff can't check orders status.

Correct

Staff would not be able to check orders status if the Special Orders app went down.

☑ Tailwind Traders may lose customers.

Correct

Tailwind Traders may lose customers if the Special Orders app went down.

☐ Other operations will fail.

53. Question

In the scenario detailed in the table below, does the composite SLA meet the required SLA of 99.9 percent?

Service	SLA
Azure Virtual Machines (2x)	99.9 percent
Azure SQL Database	99.9 percent
Azure Load Balancer	99.9 percent

Follow these steps to get to your answer. 1. What are the individual workloads in the Special Orders application? 2. What is the SLA for each workload? 3. Do the math?

○ Yes

◉ No

Correct

As you will see in the explanation that follows, the composite SLA does not meet the required SLA of 99.9 percent.