

Microsoft Fundamentals 2 (2)

1. Which two protocols are used to access Azure file shares? Each correct answer presents a complete solution.

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☒ Server Message Block (SMB)

☐ FTP

☒ Network File System (NFS)

☐ HTTP

2. Which management layer accepts requests from any Azure tool or API and enables you to create, update, and delete resources in an Azure account?

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- ☐ Azure CLI
- ☐ Azure management groups
- ☐ Azure Sphere
- ☒ Azure Resource Manager (ARM)

3. What is the customer responsible for in a software as a service (SaaS) model?

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- ☐ runtime
- ☐ storage
- ☒ data and access
- ☐ virtual machines

4. What are two characteristics of the public cloud deployment model? Each correct answer presents a complete solution. *

- ☒ Servers and storage are owned and operated by a third-party cloud service provider.
- ☐ Hardware is physically located in an organization's on-site datacenter.
- ☐ Computing resources are used exclusively by users from one organization.
- ☒ Services are offered over the internet and are available to anyone who wants to purchase them.

5. What can be applied to a resource to prevent accidental deletion?

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- ☐ a policy
- ☐ a resource tag
- ☒ a resource lock
- ☐ an Azure Reservation

6. In which cloud service model is the customer responsible for managing the operating system?

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- ☐ platform as a service (PaaS)
- ☒ Infrastructure as a service (IaaS)
- ☐ software as a service (SaaS)

7. Which Azure Storage service should you use to store unstructured files, such as images, that will be served on webpages?

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- ☒ Azure Blob storage
- ☐ Azure Queue Storage
- ☐ Azure Disk Storage
- ☐ Azure Table Storage

8. What is high availability in a public cloud environment dependent on?

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- ☐ cloud-based backup retention limits
- ☒ the service-level agreement (SLA) that you choose
- ☐ the vertical scalability of an app
- ☐ capital expenditures.

9. Select the answer that correctly completes the sentence.

An example of **[answer choice]** is automatically scaling an application to ensure that the application has the resources needed to meet customer demands.

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- ☐ high availability
- ☒ elasticity
- ☐ agility
- ☐ geo-distribution

10. Select the answer that correctly completes the sentence.

Increasing compute capacity for an app by adding instances of resources such as virtual machines is called **[answer choice]**.

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- ☒ vertical scaling
- ☐ horizontal scaling
- ☐ disaster recovery
- ☐ high availability

11. Which two scenarios are common use cases for Azure Blob storage? Each correct answer presents a complete solution.

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- ☐ mounting a file storage share to be accessed as a virtual drive on multiple virtual machines
- ☐ hosting ASPX files for a website
- ☒ serving images or documents directly to a browser
- ☒ storing data for backup and restore

12. Select the answer that correctly completes the sentence.

In cloud computing, **[answer choice]** allows you to deploy applications to regional datacenters around the world. *

- ☐ elasticity
- ☒ geo-location
- ☐ disaster recovery
- ☐ high availability

13. What can you use to provide Mac and Android users with access to a Windows environment that will run Windows-based applications? *

- ☐ Azure Logic Apps
- ☒ Azure Virtual Desktop
- ☐ Azure Container Instances
- ☐ Azure Functions

14. You have an Azure virtual machine that is accessed only between 9:00 and 17:00 each day. What should you do to minimize costs but preserve the associated hard disks and data?

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- ☐ Delete the virtual machine.
- ☐ Implement Privileged Identity Management.
- ☐ Resize the virtual machine.
- ☒ Deallocate the virtual machine.

15. What can you use to find information about planned maintenance for Azure services that are critical to your organization?

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- ☐ Azure Monitor
- ☒ Azure Service Health
- ☐ Log Analytics
- ☐ Azure Advisor

16. Select the answer that correctly completes the sentence.

[Answer choice] refers to upfront costs incurred one time, such as hardware purchases.

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- ☐ Operational expenditures
- ☒ Capital expenditures
- ☐ Elasticity
- ☐ A consumption-based model

17. What provides recommendations to reduce the cost of Azure resources?

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- ☒ Azure Advisor
- ☐ Azure Service Health
- ☐ Microsoft Defender for Cloud
- ☐ Azure Dashboard

18. What can you use to ensure that a user can only access applications from compliant devices? *

- ☒ Conditional Access
- ☐ hybrid identity
- ☐ single sign-on (SSO)
- ☐ multi-factor authentication (MFA)

19. What can you use to ensure that users authenticate by using multi-factor authentication (MFA) when they attempt to sign in from a specific location? *

- ☐ Azure role-based access control (RBAC)
- ☐ single sign-on (SSO)
- ☒ Conditional Access
- ☐ administrative units

20. What allows you to orchestrate the deployment of resource templates, Azure Policy assignments, and resource groups? *

- ☐ Azure Cognitive Services
- ☐ Azure App Services
- ☐ Azure Functions
- ☒ Azure Blueprints

21. Which storage service offers fully managed file shares in the cloud that are accessible by using Server Message Block (SMB) protocol?

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- ☐ Azure Queue Storage
- ☒ Azure Files
- ☐ Azure Table storage
- ☐ Azure Disk Storage

22. Which type of cloud service are virtual networks?

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

23. Which cloud service model is used by Azure SQL Database?

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

24. What Azure AD feature can you use to ensure that users can only access Microsoft Office 365 applications from approved client applications? *

- ☐ Azure role-based access control (RBAC)
- ☒ Conditional Access
- ☐ single sign-on (SSO)
- ☐ multi-factor authentication (MFA)

25. Which Azure Blob storage service tier has the highest storage costs and the fastest access times for reading and writing data? *

- ☐ Cool
- ☐ Archive
- ☒ Hot

26. Which two tools are accessible via Azure Cloud Shell and allows you to write Bash scripts to manage an Azure environment? *

- ☐ Azure Repos
- ☒ Azure PowerShell
- ☐ Azure Resource Manager (ARM) templates
- ☒ Azure CLI

27. You have a team of Linux administrators that need to manage the resources in Azure. The team wants to use the Bash shell to perform the administration. What should you recommend?

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- ☐ Azure Resource Manager (ARM) template
- ☐ Azure Powershell
- ☒ Azure CLI
- ☐ Azure Blueprint

28. Question *

- ☐ Option 1
- ☒ Option 2

29. What is an Azure Storage account named storage001 an example of?

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- ☐ a resource group
- ☒ a resource
- ☐ a resource manager
- ☐ a subscription

30. You need to recommend a solution for Azure virtual machine deployments. The solution must enforce company standards on the virtual machines.
What should you include in the recommendation?

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- ☐ Azure Lock
- ☐ Azure Cost Management
- ☐ Azure Blueprints
- ☒ Azure Policy

31. What can you use to automatically detect performance anomalies for web apps?

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- ☒ Azure Application Insights
- ☐ Azure Advisor
- ☐ Azure DevOps
- ☐ Azure Cognitive Services

32. You need to review the root cause analysis (RCA) report for a service outage that occurred last week.

Where should you look for the report?

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- ☐ Azure Monitor
- ☐ Log Analytics
- ☒ Azure Service Health
- ☐ Azure Advisor

33. What can you use to create resources in Azure and includes a validation step to ensure all resources are created in a specific order based on dependencies, in parallel and idempotent? *

- ☐ Azure PowerShell
- ☐ Azure CLI
- ☐ Azure REST API
- ☒ Azure Resource Manager (ARM) templates

34. Which Azure resource is a software emulation of a physical computer that includes a virtual processor, memory, storage, and networking resources?

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- ☐ an App Service
- ☐ a function
- ☒ a virtual machine
- ☐ a container

35. Select the answer that correctly completes the sentence.

Increasing compute capacity for an app by adding RAM or CPUs to a virtual machine is called **[answer choice]**.

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- ☒ horizontal scaling
- ☐ high availability
- ☐ vertical scaling
- ☐ disaster recovery

36. You need to associate the costs of resources to different groups within an organization without changing the location of the resources.
What should you use?

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- ☒ resource tags
- ☐ subscriptions
- ☐ administrative units
- ☐ resource groups

37. What can you use to connect Azure resources, such as Azure SQL databases, to an Azure virtual network?

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- ☐ peering
- ☐ ExpressRoute
- ☐ network security groups (NSGs)
- ☒ service endpoints

38. Select the answer that correctly completes the sentence.

[Answer choice] is the logical container used to combine and organize Azure resources.

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- ☐ an Azure region
- ☐ a management group
- ☐ Azure Resource Manager (ARM)
- ☒ a resource group

39. Which storage service should you use to store thousands of files containing text and images?

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- ☐ Azure Table storage
- ☐ Azure Queue Storage
- ☒ Azure Blob storage
- ☐ Azure Disk Storage

40. What can you use to manage servers across cloud platforms and on-premises environments?

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- ☐ Azure Monitor
- ☐ Azure CLI
- ☐ Azure PowerShell
- ☒ Azure Arc

41. What should you proactively review and act on to avoid service interruptions, such as service retirements and breaking changes?

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- ☐ application insights
- ☐ service issues
- ☐ Azure monitor
- ☒ health advisories

