

1. Your company has data centers in LA and NY. The company has a Microsoft Azure subscription. You are configuring two data centers as geo-clustered sites for site resiliency. You need to recommend an Azure storage redundancy option. You have the following data storage requirements:

- Data must be stored on multiple nodes
- Data must be store on nodes in separate geographic location
- Data can be read from the secondary location as well as from the primary location

Which of the following Azure stored redundancy options should you recommend?

- a. Zone Redundant Storage
- b. Geo Redundant Storage
- c. Locally Redundant Storage
- d. Read Only Geo Redundant Storage

Answer d

2. You are required to deploy an AI solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution. Thus, you propose the usage of Azure Cosmo DB. Will this meet the goal?

- a. Yes
- b. No

Answer No - Cosmo DB is ideal for scenarios requiring distributed data, IoT, web apps, and real time analytics.

3. You are tasked with deploying Azure VM for your company. You need to make use of appropriate cloud deployment solution. Thus, you recommend the usage of SaaS. Will this meet the goal?

- a. Yes
- b. No

Answer No - Since the keyword is VM, then the solution should be IaaS.

4. You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resource used by their respective division. You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum. Thus, you pitch the usage of several Azure AD directories. Is this the right answer?

- a. Yes
- b. No

Answer - No: This approach can lead to increased admin complexity and additional management overhead.

5. Your company is planning to migrate all their VM to an Azure Pay As You Go Subscription. The VM are currently hosted on the Hyper V hosts in a data center. You are required to make sure that the intended Azure solution uses the correct expenditure model. You pitch the usage of the elastic expenditure model. Is this correct?

- a. Yes
- b. No

Answer - No: Elasticity is not an expenditure model rather is one of the characteristics of cloud computing. Rather, you should recommend the usage of the Operational Expenditure Model.

6. Your company's Azure Directory forest includes thousands of user accounts. You have been informed that all network resource will be migrated to Azure. Thereafter, the on-premise data center will be retired. You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed. Thus, you pitch to sync all the AD user accounts to Azure AD. Will this meet the goal?

- a. Yes
- b. No

Answer - Yes, by synching the user accounts to Azure AD using tools like Azure AD Connect, users can continue using their existing cred to access cloud resources after the migration.

7. You are tasked with deploying a critical LOB application, which will be installed on a VM to Azure. You are informed that the application deployment strategy should allow for an availability for 99.99%. You need to make sure that the strategy requires as little VM and AZ as possible.

- a. YES
- b. NO

Answer - No, VM deployed two or more AZ in the same Azure region will guarantee 99.99%.

8. Your company has VMs hosted in Azure. The VMs are located in a single Azure virtual network name VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers. What should you do?

- a. Configure S2S VPN
- b. Configure Vnet to Vnet VPN
- c. Configure P2S VPN
- d. Configure DirectAccess on Windows Server 201
- e. Configure a Multi-Site VPN

Answer c - P2S VPN gateway connection lets you create a secure connection to VN from an individual client computer.

9. You pitch the usage of Azure MFA to make sure that during deployment, the administrative credentials are encrypted using a suitable Azure solution. Is this correct?

- a. Yes
- b. No

Answer - No, MFA adds a layer to the login process. For this scenario, it is better to use Azure Key Vault.

10. You configure the usage of Azure AD Identity Protection for a task to make sure users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

- a. Yes
- b. No

Answer - Yes, the service is a comprehensive solution that helps you protect your organization's identities and detect and respond to potential risk.

11. You are planning a strategy to deploy numerous web servers and db servers on Azure. This strategy should allow for connection types between the web servers and database servers to be controlled. You include Network Security Groups in your strategy. Does the solution meet the goal?

- a. Yes
- b. No

Answer - Yes, Azure Network Security Groups can be used to filter network traffic to and from Azure resources in an Azure VN.

12. You have an on-premises network that contains several servers. You plan to migrate all the servers to Azure. You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period. What should you include in the recommendation?

- a. Fault Tolerance
- b. Elasticity
- c. Scalability
- d. Low Latency

Answer a

13. What are two characteristics of the public cloud?

- a. Dedicated hardware
- b. Unsecured connection
- c. Limited Storage
- d. Metered pricing
- e. Self service management

Answer D and E

14. Your company hosts an application used by all of the customers of the company. The app has low usage during the first three weeks of each month and very high usage during the last week of each month. Which benefit of Azure Cloud Services supports the cost management for this type of usage pattern.

- a. High Availability
- b. High Latency
- c. Elasticity
- d. Load Balancing

Answer c - Azure Cloud Services can automatically adjust the resources allocated to the application based on demand.

15. You plan to migrate a web app to Azure. The web app is accessed by external users. You need to recommend a cloud deployment solution to minimize the amount of admin effort used to manage the web app. What should you include in the recommendations?

- a. SaaS
- b. PaaS
- c. IaaS
- d. DaaS

Answer b. PaaS

16. You need to recommend a solution that provides additional resources to your users. This solution must minimize capital and operational costs. What should you include in the recommendation?

- a. A complete migration to the public cloud
- b. Additional Data Center
- c. Private Cloud
- d. Hybrid Cloud

Answer d. Hybrid Cloud can continue to use the on-premise servers while adding new servers in the public cloud.

17. You plan to migrate several servers from an on premise network to Azure. What is an advantage of using a public cloud service for the servers over an on-premise network?
- a. The public cloud is owned by the public, NOT private cooperation
 - b. The public cloud is a crowd sourcing solution that provides corporations with the ability to enhance the cloud
 - c. All public cloud resources can be freely accessed by every member of the public
 - d. The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud

Answer d

18. In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?
- a. Private
 - b. Hybrid
 - c. Community
 - d. Public

Answer d. Public cloud is entirely taken care of by the Cloud Providers such as Azure, AWS, and GCP.

19. Suppose a company migrates their on-premise network that contains multiple servers to Azure VM, which administrative responsibilities from the list will be eliminated after the planned migration?
- a. Replacing failed server hardware
 - b. Backing up app data
 - c. Managing physical server security
 - d. Updating server OS
 - e. Managing permissions to shared documents

Answer A and C

20. You plan to provision IaaS resources in Azure. Which resource is an example of IaaS?
- a. Azure Web App
 - b. Azure VM
 - c. Azure Logic App
 - d. Azure SQL DB

Answer B - Other choices are example of PaaS

21. To which cloud models can you deploy a physical server?
- a. Private and Hybrid Cloud
 - b. Private Cloud
 - c. Private, Hybrid, and Public Cloud
 - d. Hybrid Cloud

Answer a.

22. Your company plans to deploy several custom app to Azure. The app will provide incoming services to the customers of the company. Each app will have several prereq app and services installed. You need to recommend a cloud deployment solution for all the app. What should you recommend?
- a. SaaS
 - b. PaaS
 - c. IaaS

Answer C - The IaaS service provider manages the infrastructure while you purchase, install, configure and manage your own software.

23. Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only PaaS solutions must be used in Azure. You need to deploy an Azure environment that meets the company's migration plan. What should you create?
- a. Azure VM, Azure SQL DB, Azure Storage accounts
 - b. Azure APP Service and Azure VM that have Microsoft SQL Server Installed
 - c. Azure App Service and Azure SQL Db
 - d. Azure storage accounts and web server in VM

Answer C - Examples of PaaS services from Azure include Azure App Service, Azure Functions, Azure SQL DB, and Azure Cosmo DB.

24. What does a customer provide in SaaS model?
- a. App Data
 - b. Data Storage
 - c. Compute Resource
 - d. App Software

Answer A - SaaS examples include email, calender, and office tools (Microsoft 365).

25. You have an accounting app that uses a legacy database. You plan to migrate the app to the cloud, which service should you use?

- a. PaaS
- b. IaaS
- c. SaaS

Answer B - Legacy implies that it is something that Microsoft does not offer as a PaaS.

26. Which terms represents the ability to increase the computing capacity of a VM by adding memory or CPUs?

- a. Agility
- b. Vertical Scaling
- c. Horizontal Scaling
- d. Elasticity

Answer B - Vertical Scaling, scales up and down VM size in response to a workload. Horizontal alters the number of VMs.

27. Which cloud computing benefit provides continuous user access to a cloud based application with minimal downtime?

- a. Agility
- b. Scalability
- c. Elasticity
- d. High Availability

Answer D

28. What are two benefits of cloud computing?

- a. Enables the rapid provisioning of resource
- b. Has increased admin complexity
- c. Has the same config option as on premise
- d. Shifts CAPEX to OPEX

Answer A and D

29. What is the characteristic of an Azure VNet?

- a. Resource Cost Analysis
- b. Packet Inspection
- c. Geo Redundancy
- d. Isolation and Segmentation

Answer D - Azure VNet is the fundamental building block for private networks in Azure and enables many type of Azure resources to securely communicate with each other.

30. You need to identify the type of failure for which an Azure AZ can be used to protect access to Azure services. What should you identify?

- a. A physical server failure
- b. An Azure Region Failure
- c. A Storage Failure
- d. An Azure Data Center Failure

Answer D

31. You plan to deploy several Azure VM. You need to ensure that the services running on virtual machine are available if a single data center fails. Thus, you pitch to deploy the VM to two or more resource groups. Will this meet the goal?

- a. Yes
- b. No

Answer No - A resource group is a container that holds related resources for an Azure solution.

32. A company plans to migrate to Azure. The company has several departments. All the Azure resources used by each department will be managed by a department admin. What are two possible techniques to segment Azure for the department?

- a. Multiple subscription
- b. Multiple Azure AD directories
- c. Multiple Regions
- d. Multiple Resource Groups

Answer A and D

33. You plan to deploy several Azure VM. You need to ensure that the services running on VM are available if a single data center fails. You pitch the idea of deploying virtual machines to scale sets. Will this meet the goal?

- a. Yes
- b. No

Answer No - This answer does not specify that the scale set will be configured across multiple data centers so this idea does not meet the goal.

34. You attempt to create several managed Microsoft SQL Server instances in an Azure environment and receive a message that you must increase your Azure subscription limits. What should you do to increase the limits?

- a. Create a service health alert
- b. Upgrade your support plan
- c. Modify an Azure Policy
- d. Create a new support request

Answer D - Many Azure resources have quota limits. You can request a quota limit increase by opening a support request.

35. A company plans to move several servers to Azure. The company's compliance policy states that a server named FinServer must be on a separate network segment. Which Azure services can be used to meet these requirements?

- a. A resource group for FinServer and another resource group for all the other servers
- b. A virtual network for FinServer and another VN for all the other servers
- c. A VPN for FinServer and a virtual network gateway for each other sever
- d. One resource group for all the servers and a resource lock for FinServer

Answer B - The only way to separate a server from other servers in networking terms is to place the server in a different VN to the other servers.

36. A team plans to map a network drive from several computers that run Window 10 to Azure storage. You need to create a storage solution in Azure for the planned mapped drive. What should you create?

- a. Azure SQL database
- b. A VM data disk
- c. A File Service in a storage account
- d. A Blob Service in a storage account

Answer C - To create a storage solution in Azure for mapping a network drive from computers running Window 10, you will need to create an Azure file share.

37. A company plans to start using Azure and will migrate all its network resources. The company needs to start the planning process by exploring Azure. What should the company create first?

- a. Subscription
- b. Resource Group
- c. VN
- d. Management Group

Answer A - A subscription is an agreement with Microsoft to use one or more Microsoft cloud platforms or services.

38. Which Azure service should a company use to collect events from multiple resources into a centralized repo?

- a. Azure Event Hubs
- b. Azure Analysis Services
- c. Azure Monitor
- d. Azure Stream Analytics

Answer A - Azure Event Hubs is a big data streaming platform and event ingestion service.

39. A company needs to be notified when Microsoft plans to perform maintenance that can affect the resources deployed to an Azure subscription. What should be used?

- a. Azure Monitor
- b. Azure Service Health
- c. Azure Advisor
- d. Microsoft Trust Center

Answer B - Service Health provides a personalized view of health of the Azure services and region you are using.

40. You plan to deploy several Azure VM. You need to ensure that the services running on VM remain available if a single data center fails. What are two possible solutions?

- a. Deploy the VM to 2 or more AZ
- b. Deploy the VM to 2 or more resource groups
- c. Deploy the VM to scale set
- d. Deploy the VM to 2 or more regions

Answer A and D

41. What is the most severe failure from which Azure AZ can be used to protect access to Azure service?

- a. Physical Server Failure
- b. Azure Region Failure
- c. Storage Failure
- d. Azure Data Center Failure

Answer D

42. You need to purchase a 3rd party virtual security appliance that you will deploy to an Azure subscription. What should you use?

- a. Azure Subscription
- b. Azure Security Center
- c. Azure Marketplace
- d. Microsoft Store

Answer C - Azure Marketplace is a digital marketplace that offers a wide range of 3rd party virtual appliances that can be deployed to an Azure subscription.

43. You plan to deploy a service to Azure VM. You need to ensure that the service will be available if a data center fails. What should you use as part of VM deployment?

- a. Availability Sets
- b. Proximity Placement Groups
- c. Host Groups
- d. Availability Zone

Answer D

44. A company has an Azure subscription that contains resources in several regions. The company needs to ensure that administrators can only create resources in those regions. What should the company use?

- a. A read only lock
- b. An Azure Policy
- c. A Management Group
- d. A reservation

Answer B - Azure Policy is a service in Azure that can be used to create, assign, and manage policies.

45. What is the function of a Site to Site VPN?

- a. Provides a secure connection between computer on a public network and the corporate network
- b. Provides a dedicated private connection to Azure that does NOT travel over the internet
- c. Provides a connection from on-premises VPN devices to an Azure VPN gateway

Answer C - Site To Site VPN gateway connection is used to connect your on-premises network to an Azure virtual network over an IPsec/IKE VPN tunnel.

46. A company needs to manage containers. Which two services can a company use?

- a. Azure virtual Desktop
- b. Azure Virtual Machines
- c. Azure Functions
- d. Azure Container Instances
- e. Azure Kubernetes Service (AKS)

Answer D and E

47. A company plans to deploy several Azure VM. The company needs to ensure that the services running on virtual machines are available if a single data center fails. An employee pitches the idea to deploy virtual machines to 2 or more AZ. Will this meet the goal?

- a. Yes
- b. No

Answer Yes

48. A company plans to deploy several Azure VM. A company needs to ensure that the services running on the virtual machine are available if a single data center fails. An employee pitches to deploy the virtual machines to two or more regions. Will this meet the goal?

- a. Yes
- b. No

Answer - Yes

49. An Azure admin plans to run a powershell script that creates Azure resources. You need to recommend which computer configuration to use to run the script. You run the script from a computer that runs Chrome OS and uses Azure Cloud Shell. Does this meet the goal?

- a. Yes
- b. No

Answer Yes

50. A company has an on-premises application that sends email notifications automatically based on a rule. The company plans to migrate the app to Azure. An employee needs to recommend a serverless computing solution for the application. What should the employee include in their recommendation?

- a. A web app
- b. A server image in Azure Marketplace
- c. A logic app
- d. An API App

Answer C - Azure Logic App is a service that helps to schedule, automate, and orchestrate tasks, business processes, and workflow when you need to integrate apps, data, systems, and services across enterprise or organization.

51. You plan to deploy a website to Azure. The website will be accessed by users worldwide and will host large video files. You need to recommend which Azure feature must be used to provide the best video playback experience. What should you recommend?

- a. An Application Gateway
- b. An Azure ExpressRoute Circuit
- c. A CDN
- d. An Azure Traffic Manager profile

Answer C

52. You have an Azure web app. You need to manage the settings of the web app from an iPhone. What are two Azure management tools that you can use?

- a. Azure CLI
- b. Azure Portal
- c. Azure Cloudshell
- d. Windows Powershell
- e. Azure Storage Explorer

Answer B and C

53. Your company plans to deploy several million sensors that will upload data to Azure. You need to identify which Azure resources must be created to support the planned solution. Which two Azure resources should you identify?

- a. Azure Data Lake
- b. Azure Queue Storage
- c. Azure File Storage
- d. Azure IoT Hub
- e. Azure Notification Hubs

Answer A and D

54. A company plans to deploy an AI solution in Azure. What should the company use to build, test, and deploy predictive analytics solutions?

- a. Azure Logic Apps
- b. Azure Machine Learning Designer
- c. Azure Batch
- d. Azure Cosmos DB

Answer B

55. What can users use to automatically send an alert if an admin stops an Azure VM?
- a. Azure Advisor
 - b. Azure Service Health
 - c. Azure Monitor
 - d. Azure Network Watcher

Answer C - Can set up alerts based on metric and log data with Azure Monitor

56. You have an Azure environment. You need to create a new Azure virtual machine from a table that runs the Android OS. What are three possible solutions?
- a. Use Bash in Azure Cloud Shell
 - b. Use Powershell in Azure Cloud Shell
 - c. Use the PowerApps portal
 - d. Use the Security and Compliance admin center
 - e. Use the Azure Portal

Answer A, B, and E

57. A team of devs at a company plans to deploy, and then remove, 50 VM each week. All the VM are configured by using Azure Resource Manager templates. You need to recommend which Azure service will minimize the admin effort required to deploy and remove VM. Which service should you recommend?
- a. Azure Reserved VM Instance
 - b. Azure DevTest Labs
 - c. Azure Virtual Machine Scale Sets
 - d. Azure Virtual Desktop

Answer B

58. Which service provides serverless computing in Azure?
- a. Azure VM
 - b. Azure Function
 - c. Azure Storage Account
 - d. Azure Dedicated Hosts

Answer B