

# AZ-104: Real Exam Questions - Part 2

1

Custom script extension timeout after: .

- a) 30 minutes
- b) 45 minutes
- c) 90 minutes
- d) Never timeout

3

You download an Azure Resource Manager template based on an existing virtual machine. The template will be used to deploy 100 virtual machines. You need to modify the template to reference an administrative password. You must prevent the password from being stored in plain text.

What should you create to store the password?

- a) an Azure Key Vault and an access policy
- b) an Azure Storage account and an access policy
- c) a Recovery Services vault and a backup policy
- d) Azure Active Directory (AD) Identity Protection and an Azure policy

2

You have an Azure Active Directory (Azure AD) tenant named thetechblackboard.com. Multi-factor authentication (MFA) is enabled for all users. You need to provide users with the ability to bypass MFA for 10 days on devices to which they have successfully signed in by using MFA.

What should you do?

- a) From the multi-factor authentication page, configure the users' settings.
- b) From Azure AD, create a conditional access policy.
- c) From the multi-factor authentication page, configure the service settings.
- d) From the MFA blade in Azure AD, configure the MFA Server settings.

4

Which port would you open using the inbound port rules to allow remote desktop access, while you create Window virtual machine

- a) HTTPS
- b) FTP
- c) RDP (3389)
- d) SSH (22)

5

Your company has an Azure Active Directory (Azure AD) subscription. You want to implement an Azure AD conditional access policy. The policy must be configured to require members of the Global Administrators group to use Multi-Factor Authentication and an Azure AD-joined device when they connect to Azure AD from untrusted locations.

**Solution:** You access the multi-factor authentication page to alter the user settings.

Does the solution meet the goal?

Yes

No

7

Your company has an Azure Active Directory (Azure AD) subscription. You want to implement an Azure AD conditional access policy. The policy must be configured to require members of the Global Administrators group to use Multi-Factor Authentication and an Azure AD-joined device when they connect to Azure AD from untrusted locations.

**Solution:** You access the Azure portal to alter the grant control of the Azure AD conditional access policy.

Does the solution meet the goal?

Yes

No



6

Your company has an Azure Active Directory (Azure AD) subscription. You want to implement an Azure AD conditional access policy. The policy must be configured to require members of the Global Administrators group to use Multi-Factor Authentication and an Azure AD-joined device when they connect to Azure AD from untrusted locations.

**Solution:** You access the Azure portal to alter the session control of the Azure AD conditional access policy.

Does the solution meet the goal?

Yes

No

8

Your company has three virtual machines (VMs) that are included in an availability set. You try to resize one of the VMs, which returns an allocation failure message. It is imperative that the VM is resized.

**Which of the following actions should you take?**

- a) You should only stop one of the VMs.
- b) You should stop two of the VMs.
- c) You should stop all three VMs.
- d) You should remove the necessary VM from the availability set.

9

You have an Azure subscription named Subscription1. You plan to deploy an Ubuntu Server virtual machine named VM1 to Subscription1. You need to perform a custom deployment of the virtual machine. A specific trusted root certification authority (CA) must be added during the deployment.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

File to create:

- Answer.ini
- Autounattend.conf
- Cloud-init.txt
- Unattend.xml

Tool to deploy Virtual Machine:

- New-AzureRmVm cmdlet
- New-AzVM cmdlet
- Create-AzVM cmdlet
- az vm create command

10

Your company has a Microsoft Azure subscription. The company has datacenters in Los Angeles and New York. You are configuring the two datacenters 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 stored on nodes in separate geographic locations.
- 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) Geo-redundant storage
- b) Read-only geo-redundant storage
- c) Zone-redundant storage
- d) Locally redundant storage


11

You plan to deploy three Azure virtual machines named VM1, VM2, and VM3. The virtual machines will host a web app named App1. You need to ensure that at least two virtual machines are available if a single Azure datacenter becomes unavailable. What should you deploy?

- a) all three virtual machines in a single Availability Zone
- b) all virtual machines in a single Availability Set
- c) each virtual machine in a separate Availability Zone
- d) each virtual machine in a separate Availability Set

13

Your company has an azure subscription that includes a storage account, a resource group, a blob container and a file share. A colleague named Tom Smith makes use of a solitary Azure Resource Manager (ARM) template to deploy a virtual machine and an additional Azure Storage account. You want to review the ARM template that was used by Tom Smith. **Solution: You access the Resource Group blade.** Does the solution meet the goal?



Yes

No

12

Your company has an azure subscription that includes a storage account, a resource group, a blob container and a file share. A colleague named Tom Smith makes use of a solitary Azure Resource Manager (ARM) template to deploy a virtual machine and an additional Azure Storage account. You want to review the ARM template that was used by Tom Smith. **Solution: You access the Virtual Machine blade.** Does the solution meet the goal?

Yes

No

14

Your company has an azure subscription that includes a storage account, a resource group, a blob container and a file share. A colleague named Tom Smith makes use of a solitary Azure Resource Manager (ARM) template to deploy a virtual machine and an additional Azure Storage account. You want to review the ARM template that was used by Tom Smith. **Solution: You access the Container blade.** Does the solution meet the goal?

Yes

No

15

You have an Azure virtual machine (VM) that has a single data disk. You have been tasked with attaching this data disk to another Azure VM. You need to make sure that your strategy allows for the virtual machines to be offline for the least amount of time possible.

Which of the following is the action you should take first?

- a) Stop the VM that includes the data disk.
- b) Stop the VM that the data disk must be attached to.
- c) Detach the data disk.
- d) Delete the VM that includes the data disk.

17

Your company has several departments. Each department has a number of virtual machines (VMs). The company has an Azure subscription that contains a resource group named RG1. All VMs are located in RG1. You want to associate each VM with its respective department.

What should you do?

- a) Create Azure Management Groups for each department.
- b) Create a resource group for each department.
- c) Assign tags to the virtual machines.
- d) Modify the settings of the virtual machines.

16

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named 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 a Site-to-Site (S2S) VPN.
- b) Configure a VNet-toVNet VPN.
- c) Configure a Point-to-Site (P2S) VPN.
- d) Configure a Multi-Site VPN

18

You want to provide more CPU, memory and disk space without adding more virtual machines.

Which of the following solution should you choose?

- a) Scale up
- b) Scale out
- c) Scale more
- d) Scale high

19

Your company has an Azure subscription. You need to deploy a number of Azure virtual machines (VMs) using Azure Resource Manager (ARM) templates. You have been informed that the VMs will be included in a single availability set. You are required to make sure that the ARM template you configure allows for as many VMs as possible to remain accessible in the event of fabric failure or maintenance.

Which of the following is the value that you should configure for the `platformFaultDomainCount` property?

- a) 10
- b) 30
- c) Min Value
- d) Max Value

20

Your company has an Azure subscription. You need to deploy a number of Azure virtual machines (VMs) using Azure Resource Manager (ARM) templates. You have been informed that the VMs will be included in a single availability set. You are required to make sure that the ARM template you configure allows for as many VMs as possible to remain accessible in the event of fabric failure or maintenance.

Which of the following is the value that you should configure for the `platformUpdateDomainCount` property?

- a) 10
- b) 20
- c) 30
- d) 40



21

Your company has an Azure Active Directory (Azure AD) tenant named **thetechblackboard.com**. Company has appointed User1 to review all the settings of the tenant. As an admin your job is to ensure that the User1 can review all the settings of the tenant however User1 must be prevented from changing any settings. Which role should you assign to User1?

- a) Directory reader
- b) Security reader
- c) Reports reader
- d) Global reader

22

Your company's website is hosted on two different IP addresses. The website requires two different 'A' records, one for each IP address. Which record map should you choose?

www.thetechblackboard.com	3600	IN	A	133.102.188.46
www.thetechblackboard.com	3600	IN	A	133.102.185.46

- a) CNAME
- b) AAAA
- c) SOA



23

In you Azure subscription you have several hundred virtual machines. You need to identify which virtual machines are underutilized. What should you use?

- a) Azure Advisor
- b) Azure Monitor
- c) Azure policies

24

You have a production Azure Active Directory (Azure AD) tenant named contoso.com. You deploy a development Azure Active Directory (AD) tenant, and then you create several custom administrative roles in the development tenant. You need to copy the roles to the production tenant. What should you do first?

- a) From the development tenant, export the custom roles to JSON.
- b) From the production tenant, create a new custom role.
- c) From the development tenant, perform a backup.
- d) From the production tenant, create an administrative unit.





25

You have an Azure virtual machine named VM1 that runs Windows Server 2019. You save VM1 as a template named Template1 to the Azure Resource Manager library. You plan to deploy a virtual machine named VM2 from Template1.

What can you configure during the deployment of VM2?

- a) operating system
- b) administrator username
- c) virtual machine size
- d) resource group

26

When assigning private IPv4 addresses in a Subnet with the address range 10.3.0.0/16.

Which of the following addresses are available for assignment dynamically?

- a) 10.3.0.2
- b) 10.3.0.1
- c) 10.3.255.255
- d) 10.3.255.254



27

Your company wants to have some post-deployment configuration and automation tasks on Azure Virtual Machines.

**Solution:** As an administrator you suggested to use ARM templates. Does this meet the goal?

Yes

No

28

Your company wants to have some post-deployment configuration and automation tasks on Azure Virtual Machines.

**Solution:** As an administrator you suggested to use Virtual machine extensions. Does this meet the goal?

Yes

No



You have an Azure web app named App1. App1 has the deployment slots shown in the following table:

Name	Function
webapp1-prod	Production
webapp1-test	Staging

In webapp1-test, you test several changes to App1. You back up App1. You swap webapp1-test for webapp1-prod and discover that App1 is experiencing performance issues. You need to revert to the previous version of App1 as quickly as possible. What should you do?

- a) Redeploy App1
- b) Swap the slots
- c) Clone App1
- d) Restore the backup of App1



30

You have an Azure subscription named Subscription1 that is used by several departments at your company. Subscription1 contains the resources in the following table:

Name	Function
Storage1	Storage account
RG1	Resource group
container1	Blob
share1	File Share

Another administrator deploys a virtual machine named VM1 and an Azure Storage account named storage2 by using a single Azure Resource Manager template. You need to view the template used for the deployment.

From which blade can you view the template that was used for the deployment?

- a) VM1
- b) RG1
- c) Storage1
- d) container1



31

You have an Azure subscription named Subscription1 that contains the resources shown in the following table.

Name	Type	Region	Resource Group
RG1	Resource group	West Europe	Not applicable
RG2	Resource group	North Europe	Not applicable
vault1	Recovery services vault	West Europe	RG1

You create virtual machines in Subscription1 as shown in the following table:

Name	Resource Group	Region	Operating system
VM1	RG1	West Europe	Windows server 2016
VM2	RG1	North Europe	Windows server 2016
VM3	RG2	West Europe	Windows server 2016
VMA	RG1	West Europe	Ubuntu 18.04
VMB	RG1	North Europe	Ubuntu 18.04
VMC	RG2	West Europe	Ubuntu 18.04

You plan to use Vault1 for the backup of as many virtual machines as possible. Which virtual machines can be backed up to Vault1?

- a) VM1 only
- b) VM3 and VMC only
- c) VM1, VM2, VM3, VMA, VMB, and VMC
- d) VM1, VM3, VMA, and VMC only
- e) VM1 and VM3 only



32

You have an Azure Kubernetes Service (AKS) cluster named AKS1. You need to configure cluster named autoscaler for AKS1. Which two tools should you use? Each correct answer presents a complete solution.

- a) the kubectl command
- b) the az aks command
- c) the Set-AzVm cmdlet
- d) the Azure portal
- e) the Set-AzAks cmdlet

- a) kubectl command is used for configuring Kubernetes and not AKS cluster.
- b) The az aks command is used for the AKS cluster configuration.
- c) Set-AzVm cmdlet is used for VMs.
- d) Set-AzAks, creates or updates an AKS cluster, the correct cmdlet is Set-AzAksCluster.



33

You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates. You need to view the date and time when the resources were created in RG1.

**Solution:** From the Subscriptions blade, you select the subscription, and then click Resource providers. Does this meet the goal?

Yes

No

34

You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates. You need to view the date and time when the resources were created in RG1.

**Solution:** From the RG1 blade, you click Automation script. Does this meet the goal?

Yes

No

35

You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates. You need to view the date and time when the resources were created in RG1.

**Solution:** From the RG1 blade, you click Deployments. Does this meet the goal?

Yes

No





36

You need to deploy an Azure virtual machine scale set that contains five instances as quickly as possible. What should you do?

- a) Deploy five virtual machines. Modify the Availability Zones settings for each virtual machine.
- b) Deploy five virtual machines. Modify the Size setting for each virtual machine.
- c) Deploy one virtual machine scale set that is set to VM (virtual machines) orchestration mode.
- d) Deploy one virtual machine scale set that is set to ScaleSetVM orchestration mode.

37

You plan to create the Azure web apps shown in the following table.

Name	Runtime stack		
webapp1	W	L	.NET Core 3.0
Webapp2	W	L	ASP .NET V4.7
Webapp3	W	L	PHP 7.3
webapp4		L	Ruby 2.6

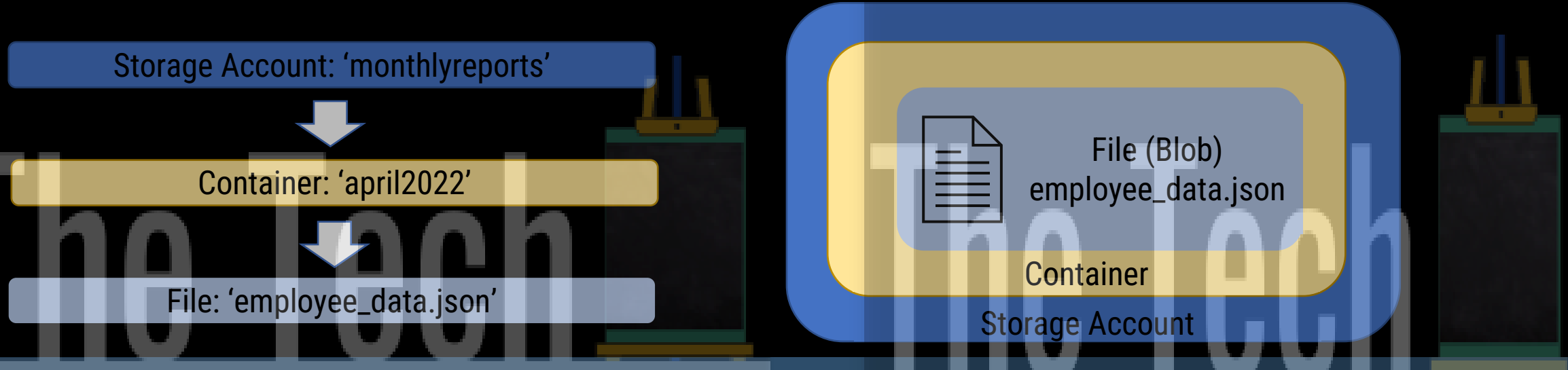
What is the minimum number of App Service plans you should create for the web apps?

- a) 1
- b) 2
- c) 3
- d) 4



38

Your company wants to share the JSON files stored in a container inside a storage account:



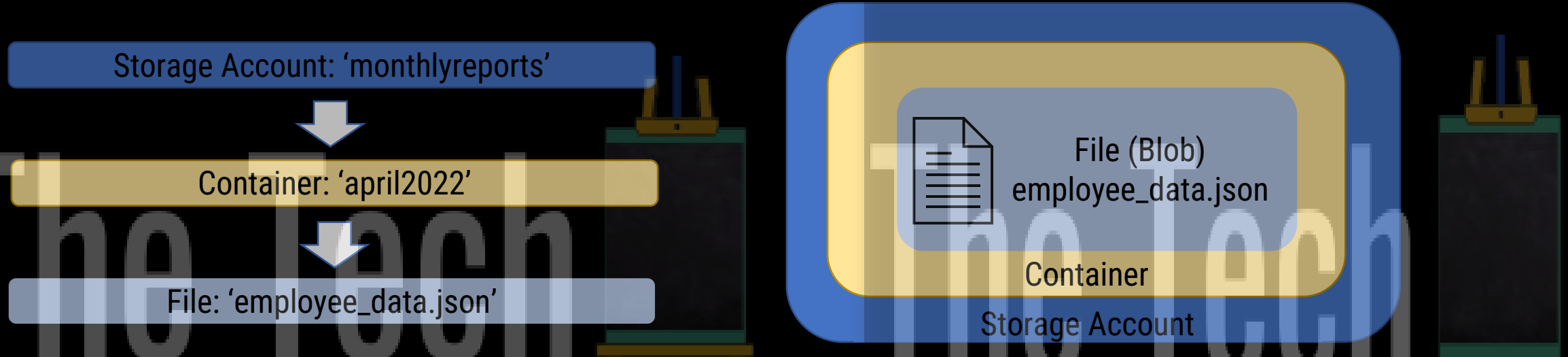
What is the correct URL for the file called 'employee\_data.json':

- a) [https://employee\\_data.json](https://employee_data.json)
- b) [https://monthlyreports.blob.core.windows.net/april2022/employee\\_data.json](https://monthlyreports.blob.core.windows.net/april2022/employee_data.json)
- c) [https://monthlyreports.blob.core.windows.net/employee\\_data.json](https://monthlyreports.blob.core.windows.net/employee_data.json)
- d) [https://monthlyreports /april2022/employee\\_data.json](https://monthlyreports /april2022/employee_data.json)



39

Your company wants to share the JSON files stored in a container inside a storage account:



Company want to give access to this file to users. However, the access to Azure Storage file 'employee\_data.json' should only be provide for three days. What should you choose:

- a) Access to storage account
- b) Access Keys
- c) Shared Access Signature (SAS)
- d) Azure key vault



40

You have a general-purpose v1 Azure Storage account named storage1 that uses locally-redundant storage (LRS). You need to ensure that the data in the storage account is protected if a zone fails. The solution must minimize costs and administrative effort.

What should you do first?

- a) Create a new storage account.
- b) Configure object replication rules.
- c) Upgrade the account to general-purpose v2.
- d) Upgrade the account to Premium block blobs1
- e) Upgrade the account to Premium file shares



41

You deploy an Azure Kubernetes Service (AKS) cluster named AKS1. You need to deploy a YAML file to AKS1.  
 Solution: From Azure CLI, you run `az aks`. Does this meet the goal?

Yes

No

42

You deploy an Azure Kubernetes Service (AKS) cluster named AKS1. You need to deploy a YAML file to AKS1.  
 Solution: From Azure CLI, you run `azcopy`. Does this meet the goal?

Yes

No

43

You deploy an Azure Kubernetes Service (AKS) cluster named AKS1. You need to deploy a YAML file to AKS1.  
 Solution: From Azure CLI, you run the `kubectl` client. Does this meet the goal?

Yes

No



44

You have an Azure virtual machine named VM1 that runs Windows Server 2016. You need to create an alert in Azure when more than two error events are logged to the System event log on VM1 within an hour.

**Solution:** You create an Azure storage account and configure shared access signatures (SASs). You install the Microsoft Monitoring Agent on VM1. You create an alert in Azure Monitor and specify the storage account as the source.

Does that meet the goal?

Yes

No

45

You have an Azure virtual machine named VM1 that runs Windows Server 2016. You need to create an alert in Azure when more than two error events are logged to the System event log on VM1 within an hour.

**Solution:** You create an Azure Log Analytics workspace and configure the data settings. You install the Microsoft Monitoring Agent on VM1. You create an alert in Azure Monitor and specify the Log Analytics workspace as the source.

Does that meet the goal?

Yes

No



46

You have an Azure subscription that contains a user named User1. You need to ensure that User1 can deploy virtual machines and manage virtual networks. The solution must use the principle of least privilege.

Which role-based access control (RBAC) role should you assign to User1?

- a) Owner
- b) Virtual Machine Contributor
- c) Contributor
- d) Virtual Machine Administrator Login





47

Which two of the following are an elements of Template schema?

a) includes

b) parameters

c) scripts

d) outputs



48

Working on modernization, your company wants to move all services to Azure Kubernetes service. Which two of the following components contributes to the monthly Azure charge?

- a) Master node
- b) Per deployed pod
- c) Networking resources
- d) Per node VM



49

You have an Azure subscription named Subscription1 that contains an Azure virtual machine named VM1. VM1 is in a resource group named RG1. VM1 runs services that will be used to deploy resources to RG1. You need to ensure that a service running on VM1 can manage the resources in RG1 by using the identity of VM1. What should you do first?

- a) From the Azure portal, modify the Managed Identity settings of VM1
- b) From the Azure portal, modify the Access control (IAM) settings of RG1
- c) From the Azure portal, modify the Access control (IAM) settings of VM1
- d) From the Azure portal, modify the Policies settings of RG1



50

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statement	Yes	No
• Azure Blob storage is supported with Azure Import service.	<input checked="" type="radio"/>	<input type="radio"/>
• Azure data lake is supported with Azure Import service.	<input type="radio"/>	<input checked="" type="radio"/>
• Azure Files storage is supported with Azure Import service.	<input checked="" type="radio"/>	<input type="radio"/>
• Azure SQL database is supported with Azure Import service.	<input type="radio"/>	<input checked="" type="radio"/>



For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statement	Yes	No
• Azure Blob storage is supported with Azure Export service.	<input checked="" type="radio"/>	<input type="radio"/>
• Azure data lake is supported with Azure Export service.	<input type="radio"/>	<input checked="" type="radio"/>
• Azure Files storage is supported with Azure Export service.	<input type="radio"/>	<input checked="" type="radio"/>
• Azure SQL database is supported with Azure Export service.	<input type="radio"/>	<input checked="" type="radio"/>



52

You have an Azure virtual machine named VM1 that runs Windows Server 2016. You need to create an alert in Azure when more than two error events are logged to the System event log on VM1 within an hour.

**Solution:** You use Azure advisor to collect the error events on Virtual machines. Does that meet the goal?

A green rectangular button with the word "Yes" in white text.A yellow rectangular button with the word "No" in black text and a right-pointing arrow on its right side.

53

You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates. You need to view the date and time when the resources were created in RG1.

**Solution:** From the Subscriptions blade, you select the subscription, and then click Programmatic deployment. Does this meet the goal?

☐ Yes☒ No



54

Your Azure subscription contains an Azure Storage account. You need to create an Azure container instance named container1 that will use a Docker image named Image1. Image1 contains a Microsoft SQL Server instance that requires persistent storage. You need to configure a storage service for Container1. What should you use?

- a) Azure Files
- b) Azure Blob storage
- c) Azure Queue storage
- d) Azure Table storage



55

Your company wants to move an entire solution to Azure. Due to security constraints, the company wants to restrict creation of all resources in a particular region. Which Azure service can restrict resource creation to a specific region.

- a) Azure Monitor
- b) Azure Availability Zone
- c) Azure policy
- d) Azure web apps



56

You have an Azure subscription named Subscription1 that contains a resource group named RG1. In RG1, you create an internal load balancer named LB1 and a public load balancer named LB2. You need to ensure that an administrator named Admin1 can manage LB1 and LB2. The solution must follow the principle of least privilege. Which role should you assign to Admin1 for each task? To answer, select the appropriate options in the answer area.

To add backend pool to LB1

Contributor on LB1

Network Contributor on LB1

Network Contributor on RG1

Owner on LB1

To add health probe to LB2

Contributor on LB2

Network Contributor on LB2

Network Contributor on RG2

Owner on LB2



57

You're currently using network security groups (NSGs) to control how your network traffic flows in and out of your virtual network subnets and network interfaces. You want to customize how your NSGs work. For all incoming traffic, you need to apply your security rules to both the virtual machine and subnet level. Which of the following options will let you accomplish this? (Choose two)

- a) Delete the default rules.
- b) Create the AllowVNetInBound security rule for all new NSGs.
- c) Create rules for both NICs and subnets with an allow action.
- d) Add rules with a higher priority than the default rules.



58

You create an Azure Storage account named storage1. You plan to create a file share named data1. Users need to map a drive to the data file share from home computers that run Windows 10. Which outbound port should you open between the home computers and the data file share?

- a) 80
  - b) 443
  - c) 445
  - d) 3389
- Port 80: HTTP, this is for web
  - Port 443: HTTPS, for web too
  - Port 445, as this is port for SMB protocol to share files
  - Port 3389: Remote desktop protocol (RDP)



59

You have deployed in an application named App1 in Azure. App1 is deployed on two Azure virtual machines named VM1 and VM2. You plan to implement an Azure Availability Set for App1. The solution must ensure that App1 is available during planned maintenance of the servers hosting VM1 and VM2. What should you include in the Availability Set?

- a) Single fault domain
- b) Single update domain
- c) Two fault domains
- d) Two update domains



You have a Microsoft 365 tenant and an Azure Active Directory (Azure AD) tenant named contoso.com. You plan to grant three users named User1, User2, and User3 access to a temporary Microsoft SharePoint document library named Library1. You need to create groups for the users. The solution must ensure that the groups are deleted automatically after 180 days.

Which two groups should you create? Each correct answer presents a complete solution.

- a) a Microsoft 365 group that uses the Assigned membership type
- b) a Security group that uses the Assigned membership type
- c) a Microsoft 365 group that uses the Dynamic User membership type
- d) a Security group that uses the Dynamic User membership type
- e) a Security group that uses the Dynamic Device membership type





61

Triggering a webhook at 5AM on Monday is an example of which of the following?

- a) A matrix based rule
- b) An app insight rule
- c) A time-based rule.



Which of the following rule would you apply to the Network Security Group for the Network interface attached to the Web server for incoming secure traffic? **Choose best possible answer?**

- a) An outbound rule allowing traffic on port 80
- b) An outbound rule allowing traffic on port 443
- c) An inbound rule allowing traffic on port 443
- d) An inbound rule allowing traffic on port 80



63

You need to ensure that an Azure Active Directory (Azure AD) user named Admin1 is assigned the required role to enable Traffic Analytics for an Azure subscription.

**Solution:** You assign the Reader role at the subscription level to Admin1. Does this meet the goal?

Yes

No

64

You need to ensure that an Azure Active Directory (Azure AD) user named Admin1 is assigned the required role to enable Traffic Analytics for an Azure subscription.

**Solution:** You assign the Owner role at the subscription level to Admin1. Does this meet the goal?

Yes

No

65

You need to ensure that an Azure Active Directory (Azure AD) user named Admin1 is assigned the required role to enable Traffic Analytics for an Azure subscription.

**Solution:** You assign the Network Contributor role at the subscription level to Admin1. Does this meet the goal?

Yes

No



66

You have an Azure subscription named Subscription1. You have 5 TB of data that you need to transfer to Subscription1. You plan to use an Azure Import/Export job.

What can you use as the destination of the imported data?

- a) Azure File Storage
- b) an Azure Cosmos DB database
- c) Azure Data Factory
- d) Azure SQL Database



You have Azure subscription named S1 that contains the resources shown in the following table:

Name	Type
Storage1	Azure Storage account
VNET1	Virtual network
VM1	Azure virtual machine
VM1 Managed	Managed disk for VM1
VAULT1	Recovery Services vault for the site recovery of VM1

You create a new Azure subscription named S2. You need to identify which resources can be moved to S2. Which resources should you identify?

- a) VM1, storage1, VNET1, and VM1Managed only
- b) VM1 and VM1Managed only
- c) VM1, storage1, VNET1, VM1Managed, and VAULT1
- d) VAULT1 only

What does Application Gateway use to route requests to a web server?

- a) The IP address of the web server that is the target of the request
- b) The IP address and subnet of web server hosting the web application
- c) The hostname, port, and path in the URL of the request
- d) The user's authentication information



Your company's Azure subscription includes Azure virtual machines (VMs) that run Windows Server 2016. One of the VMs is backed up every day using Azure Backup Instant Restore. When the VM becomes infected with data encrypting ransomware, you are required to restore the VM. Which of the following actions should you take?

- a) You should restore the VM after deleting the infected VM.
- b) You should restore the VM to any VM within the company's subscription.
- c) You should restore the VM to a new Azure VM.
- d) You should restore the VM to an on-premise Windows device.



70

You have an Azure subscription named Subscription1. Subscription1 contains two Azure virtual machines named VM1 and VM2. VM1 and VM2 run Windows Server 2016. VM1 is backed up daily by Azure Backup without using the Azure Backup agent. VM1 is affected by ransomware that encrypts data. You need to restore the latest backup of VM1. To which location can you restore the backup? To answer, select the appropriate options in the answer area.

You can perform a file recovery of VM1 to

VM1 Only

VM1 or a new Azure Virtual machine only

VM1 and VM2 only

A new Azure virtual machine only

You can restore VM1 to

VM1 Only

VM1 or a new Azure Virtual machine only

VM1 and VM2 only

A new Azure virtual machine only





You have an Azure subscription that contains the storage accounts shown in the following table

Name	Type	Performance
storage1	Storage V2	Standard
storage2	Blob Storage	Standard
storage3	Block Blob Storage	Premium
storage4	File Storage	Premium

You plan to manage the data stored in the accounts by using lifecycle management rules. **To which storage accounts can you apply lifecycle management rules?**

- a) storage1 only
- b) storage1 and storage2 only
- c) storage3 and storage4 only
- d) storage1, storage2, and storage3 only
- e) storage1, storage2, storage3, and storage4



You have an Azure DNS zone named **thetechblackboard.com**. You need to delegate a subdomain named **research.thetechblackboard.com** to a different DNS server in Azure. What should you do?

- a) Create Named Server (NS) record for the **thetechblackboard.com** zone.
- b) Create a PTR record named **research** in the **thetechblackboard.com** zone.
- c) Modify the SOA record of **thetechblackboard.com**
- d) Create an A record named **\*.research** in the **thetechblackboard.com** zone.



73

The team for a delivery company is configuring a virtual machine scale set. Friday night is typically the busiest time. Conversely, 8AM on Tuesday is generally the quietest time. Which of the following virtual machine scale set features should be configured to add more machines during that time?

- a) Autoscale
- b) Metric-based rules
- c) Schedule-based rules



74

You want to deploy 10 Azure web apps using a deployment template named Template1. From the following options choose the one as a first step before you deploy Template1. The solution must minimize Azure costs. What should you identify?

- a) five Azure Application Gateways
- b) one App Service plan
- c) 10 App Service plans
- d) one Azure Traffic Manager
- e) one Azure Application Gateway



75

In Azure what is the starting point of controlling any resource

- a) Resource Group
- b) Subscription
- c) Tenant

76

The infrastructure team needs to install IIS on the localhost. They do not want to use a Custom Script Extension. Which of the following could be used instead?

- a) Desired state configuration
- b) Virtual machine extension
- c) Windows update



## AZ-104: Real Exam Question and Answer exam series - Part 8

77

You need to deploy two Azure virtual machines named VM1 and VM2 based on Windows server 2016. The deployment must provide a Service Level Agreement (SLA) of 99.95 percent availability.

**Solution: You propose a solution to create a scale set for the requirement.**

Would the solution meet the goal?

☐ Yes☒ No

78

You need to deploy two Azure virtual machines named VM1 and VM2 based on windows server 2016. The deployment must provide a Service Level Agreement (SLA) of 99.95 percent availability.

**Solution: You propose a solution to put VMs in availability set.**

Would the solution meet the goal?

☒ Yes☐ No

79

You have an Azure subscription named Subscription1 that contains the resources shown in the following table.

Name	Type	Location	Resource Group
RG1	Resource Group	East US	NA
RG2	Resource Group	West Europe	NA
RG3	Resource Group	North Europe	NA
VNET1	Virtual Network	Central US	RG1
VM1	Virtual Machine	West US	RG2

VM1 connects to a virtual network named VNET2 by using a network interface named NIC1. You need to create a new network interface named NIC2 for VM1.

**Solution:** You create NIC2 in RG2 and Central US. Does this meet the goal?

Yes

No



You have an Azure subscription named Subscription1 that contains the resources shown in the following table.

Name	Type	Location	Resource Group
RG1	Resource Group	East US	NA
RG2	Resource Group	West Europe	NA
RG3	Resource Group	North Europe	NA
VNET1	Virtual Network	Central US	RG1
VM1	Virtual Machine	West US	RG2

VM1 connects to a virtual network named VNET2 by using a network interface named NIC1. You need to create a new network interface named NIC2 for VM1.

**Solution:** You create NIC2 in RG1 and West US. Does this meet the goal?

Yes

No





# AZ-104: Real Exam Question and Answer exam series - Part 8

81

In an Azure subscription you need to use an Azure Resource Manager (ARM) template to create a virtual machine that will have multiple data disks. **How should you complete the template?**

```
{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "numberOfDataDisks": {
      "type": "int",
      "minValue": 0,
      "maxValue": 16,
      "defaultValue": 3,
      "metadata": {
        "description": "The number of dataDisks to create."
      }
    },
    ...
  },
  "resources": [
    {
      "type": "Microsoft.Compute/virtualMachines",
      "apiVersion": "2020-06-01",
      ...
      "properties": {
        "storageProfile": {
          ...
          1
          {
            "name": "dataDisks",
            "count": "[parameters('numberOfDataDisks')]",
            "input": {
              "lun": "[
                2
                ('dataDisks')]",
              ...
            }
          }
        }
      }
    },
    ...
  ]
}
```

"copy": [

"copyIndex": [

"dependsOn": [

"copy": [

"copyIndex": [

"dependsOn": [

You plan to deploy five virtual machines to a virtual network subnet. Each virtual machine will have a public IP address and a private IP address. Each virtual machine requires the same inbound and outbound security rules. What is the minimum number of network interfaces and network security groups that you require?

**Minimum number of network interface**

5

10

15

20

**Minimum number of network security groups**

1

2

5

10

The same network security group can be associated to as many subnets and network interfaces as you choose.



83

You need to configure a VPN connection for network T-net2. Which of the following would you need to configure in the virtual network?

- a) A peering connection
- b) An additional address space
- c) A gateway subnet
- d) An express route connection



You have an Azure Storage account named storage1. You plan to use AzCopy to copy data to storage1. You need to identify the storage services in storage1 to which you can copy the data. What should you identify?

- a) blob, file, table, and queue
- b) blob and file only
- c) file and table only
- d) file only
- e) blob, table, and queue only



You have an Azure Storage account named storage1 that uses Azure Blob storage and Azure File storage. You need to use AzCopy to copy data to the blob storage and file storage in storage1. Which authentication method should you use for each type of storage?

Blob Storage
Azure Active Directory (Azure AD) only
Shared access signatures (SAS) only
Access keys and shared access signatures (SAS) only
Azure Active Directory (AzureAD) and SAS
Azure Active Directory (Azure AD), access keys, and SAS

File Storage
Azure Active Directory (Azure AD) only
Shared access signatures (SAS) only
Access keys and shared access signatures (SAS) only
Azure Active Directory (AzureAD) and SAS
Azure Active Directory (Azure AD), access keys, and SAS



You have an Azure subscription that contains an Azure Active Directory (Azure AD) tenant named contoso.com and an Azure Kubernetes Service (AKS) cluster named AKS1. An administrator reports that she is unable to grant access to AKS1 to the users in contoso.com. You need to ensure that access to AKS1 can be granted to the contoso.com users.

What should you do first?

- a) From contoso.com, modify the Organization relationships settings.
- b) From contoso.com, create an OAuth 2.0 authorization endpoint.
- c) Recreate AKS1.
- d) From AKS1, create a namespace.



Your organization needs a way to create application aware snapshots and backup Linux virtual machines and VMware virtual machines. You have files, folders, volumes, and workloads to protect. **You recommend which of the following solutions? Select one.**

- a) Azure Backup (MARS) agent
- b) Azure Backup Server
- c) Enable disk snapshots
- d) Enable backup for individual Azure VMs



Your company has a series of virtual machines created as part of their Azure subscription. They want to ensure the IT administrative team is notified if any of the virtual machines go into the “deallocated” state. Which of the following could you perform to fulfill this requirement?

- a) Create an Azure policy using an in-built definition from the compute category
- b) Assign a resource tag for the virtual machine and then create an alert based on that resource tag
- c) Enable Diagnostics logs for the virtual machine
- d) Create an alert based on the Activity log for the virtual machine





You have an Azure subscription named Subscription1 containing following resources:

Name	Type
RG1	Resource Group
RG2	Resource Group
VNET1	Virtual Network
VNET2	Virtual Network

VNet1 is in RG1. VNet2 is in RG2. There is no connectivity between VNet1 and VNet2. An administrator named Admin1 creates an Azure virtual machine named VM1 in RG1. VM1 uses a disk named Disk1 and connects to VNet1. Admin1 then installs a custom application in VM1. You need to move the custom application to VNet2. The solution must minimize administrative effort. Which two actions should you perform?

**First Step**

Create a network interface in RG2

Detach a network interface.

Delete VM1.

Move a network interface to RG2

**Second Step**

Attach a network interface.

Create a network interface in RG2

Create a new virtual machine

Move VM1 to RG2



You have an Azure subscription named Subscription1 that contains an Azure Log Analytics workspace named Workspace1. You need to view the error events from a table named Event. Which query should you run in Workspace1?

- a) `Get-Event Event | where {$_.EventType == "error"}`
- b) `Event | search "error"`
- c) `select * from Event where EventType == "error"`
- d) `search in (Event) * | where EventType -eq "error"`



You have an Azure subscription named Subscription1 that contains an Azure Log Analytics workspace named Workspace1. You need to view the error events from a table named Event. Which query should you run in Workspace1?

- a) `Get-Event Event | where {$_.EventType == "error"}`
- b) `Event | where EventType == "error"`
- c) `select * from Event where EventType == "error"`
- d) `search in (Event) * | where EventType -eq "error"`

There are several versions of this question in the exam. The question has three possible correct answers:

1. `search in (Event) "error"`
2. `Event | search "error"`
3. `Event | where EventType == "error"`



91

You have an Azure Directory (Azure AD) tenant named tenant1 and an Azure Subscription named Subscription1. Tenant1 contains a group named Developers. Subscription1 contains a resource group named Dev. You need to provide the Developers group with the ability to create Azure logic apps in the Dev resource group. **Solution: On Dev, you assign the Logic App Contributor role to the Developers group.** Does this meet the goal?

Yes

No

92

You have an Azure Directory (Azure AD) tenant named tenant1 and an Azure Subscription named Subscription1. Tenant1 contains a group named Developers. Subscription1 contains a resource group named Dev. You need to provide the Developers group with the ability to create Azure logic apps in the Dev resource group. **Solution: On Dev, you assign the Contributor role to the Developers group.** Does this meet the goal?

Yes

No



93

You have an Azure Directory (Azure AD) tenant named tenant1 and an Azure Subscription named Subscription1. Tenant1 contains a group named Developers. Subscription1 contains a resource group named Dev. You need to provide the Developers group with the ability to create Azure logic apps in the Dev resource group. **Solution: On Subscription1, you assign the DevTest Labs User role to the Developers group.** Does this meet the goal?

☐ Yes☒ No

1. **Logic App Contributor:** Lets you manage logic apps, but you can't change access to them.
2. **Logic App Operator:** Lets you read, enable, and disable logic apps, but you can't edit or update them.
3. **Contributor:** Grants full access to manage all resources but does not allow you to assign roles in Azure RBAC, manage assignments in Azure Blueprints, or share image galleries.



94

When you're creating an Azure Public Load Balancer, which option allows you to set the Load Balancer as Public?

sku

subscription

Public IP address

Type

95

You have an Azure Storage account named storage1 that contains a blob container named container1. You need to prevent new content added to container1 from being modified for one year. **What should you configure?**

the access tier

an access policy

the access level

the Access control (IAM) settings



96

AKS cluster can spread across regions?

Yes

No

97

AKS cluster can spread across availability zones

Yes

No

98

Can you limit who has access to the Kubernetes API server?

Yes

No



You download an Azure Resource Manager template based on an existing virtual machine. The template will be used to deploy 100 virtual machines. You need to modify the template to reference an administrative password. You must prevent the password from being stored in plain text.

What should you create to store the password?

- a) an Azure Key Vault and an access policy
- b) an Azure Storage account and an access policy
- c) a Recovery Services vault and a backup policy
- d) Azure Active Directory (AD) Identity Protection and an Azure policy





100

What two fundamental types of data does Azure Monitor collect?

Email notifications and  
mobile alerts

Username and  
Password

Metrics and  
Logs



101

You have an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com that contains 100 user accounts. You purchase 10 Azure AD Premium P2 licenses for the tenant. You need to ensure that 10 users can use all the Azure AD Premium features.

**What should you do?**

- a) From the Licenses blade of Azure AD, assign a license
- b) From the Groups blade of each user, invite the users to a group
- c) From the Azure AD domain, add an enterprise application
- d) From the Directory role blade of each user, modify the directory role



102

Your users want to sign-in to devices, apps, and services from anywhere. They want to sign-in using an organizational work or school account instead of a personal account. You must ensure corporate assets are protected and that devices meet standards for security and compliance. Specifically, you need to be able to enable or disable a device. **What should you do?**

- a) Enable the device in Azure AD.
- b) Join the device to Azure AD.
- c) Connect the device to Azure AD.
- d) Register the device with Azure AD.



103

You have an Azure subscription that contains an Azure virtual machine named VM1. VM1 runs a financial reporting app named App1 that does not support multiple active instances. At the end of each month, CPU usage for VM1 peaks when App1 runs. You need to create a scheduled runbook to increase the processor performance of VM1 at the end of each month.

**What task should you include in the runbook?**

- a) Add the Azure Performance Diagnostics agent to VM1.
- b) Modify the VM size property of VM1.
- c) Add VM1 to a scale set.
- d) Increase the vCPU quota for the subscription.
- e) Add a Desired State Configuration (DSC) extension to VM1.



104

You have an Azure subscription named Subscription1 that contains an Azure Log Analytics workspace named Workspace1. You need to view the error events from a table named Event. Which query should you run in Workspace1?

- a) `Get-Event Event | where {$_.EventType == "error"}`
- b) `search in (Event) "error"`
- c) `select * from Event where EventType == "error"`
- d) `search in (Event) * | where EventType -eq "error"`



105

Azure Files supports identity-based authentication over Server Message Block (SMB) through which two types of Domain Services?

- a) Microsoft Active Directory
- b) kerberos authentication active directory
- c) On-premises Active Directory Domain Services (AD DS)
- d) Azure Active Directory Domain Services (Azure AD DS).



106

You have an Azure subscription containing a storage account named storage1. The subscription is linked to an Azure Active Directory (Azure AD) tenant named contoso.com that syncs to an on-premises Active Directory domain. The domain contains the security principals shown:

Name	Type
User1	User
Computer 1	Computer

In Azure AD, you create a user named User2. The storage1 account contains a file share named share1 and has the following configurations

```
"kind": "StorageV2",
"properties": {
  "azureFilesIdentityBasedAuthentication": {
    "directoryServiceOptions": "AD",
    "activeDirectoryProperties": {
      "domainName": "Contoso.com",
      "netBiosDomainName": "Contoso.com",
      "forestName": "Contoso.com",
```

Statement
• You can assign the Storage File Data SMB Share Contributor role to User1 for share1.
• You can assign the Storage File Data SMB Share Reader role to Computer1 for share1.
• You can assign the Storage File Data SMB Share Elevated Contributor role to User2 for share1.

Yes	No
<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>

107

You are a big logistics company with many offices and an Azure subscription that contains an Azure Active Directory (Azure AD) tenant. You need to grant user management permissions to a local administrator in each office. **What should you use?**

- a) Azure AD roles
- b) access packages in Azure AD entitlement management
- c) Administrative units
- d) Azure roles





108

A company has an Azure subscription contains a web app named *thetechblackboard*. The company needs to add a custom domain name *www.thetechblackboard.com* to *thetechblackboard*. Which is the first step for the company?

- a) Upload SSL certificate
- b) Stop the web app
- c) Create a DNS record
- d) Connect to a web app



109

Your organization maintains media files of online library. Overall hundreds of terabytes of data needs to be sent to Azure. Considering the limited bandwidth of your datacenter you need to find a quick, inexpensive, and reliable way to transfer this data. The data must be encrypted 256-bit. What is your option? Select one.

- a) Upload using Azure portal
- b) Data Box Heavy
- c) Data Box Edge
- d) Import/Export



110

You have an Azure Active Directory (Azure AD) tenant named contosocloud.onmicrosoft.com. Your company has a public DNS zone for contoso.com. You add contoso.com as a custom domain name to Azure AD. You need to ensure that Azure can verify the domain name.

Which type of DNS record should you create?

- a) MX
- b) NSEC
- c) PTR
- d) RRSIG



111

You have an Azure Active Directory (Azure AD) tenant. You plan to delete multiple users by using Bulk delete in the Azure Active Directory admin center. You need to create and upload a file for the bulk delete. Which user attributes should you include in the file?

- a) The user principal name and usage location of each user only
- b) The user principal name of each user only
- c) The display name of each user only
- d) The display name and usage location of each user only
- e) The display name and user principal name of each user only



112

One or more apps can be configured to run on the same App Service plan.

Yes

No

113

Azure VM extensions can be managed using the Azure CLI, PowerShell, Resource Manager templates, and the Azure portal.

Yes

No

114

The Azure portal, the Azure CLI, and Azure PowerShell offer significantly different services, so it is unlikely that all three will support the operation you need.

Yes

No



115

You have an Azure subscription named Subscription1 and an on-premises deployment of Microsoft System Center Service Manager. Subscription1 contains a virtual machine named VM1. You need to ensure that an alert is set in Service Manager when the amount of available memory on VM1 is below 10 percent. **What should you do first?**

- a) Create an automation runbook
- b) Deploy a function app
- c) Deploy the IT Service Management Connector (ITSM)
- d) Create a notification



116

You have an Azure virtual machine named VM1 that runs Windows Server 2019. The VM was deployed using default drive settings. You sign in to VM1 as a user named User1 and perform the following actions:

- Create files on drive C.
- Create files on drive D.
- Modify the screen saver timeout.
- Change the desktop background.

You plan to redeploy VM1. Which changes will be lost after you redeploy VM1?

- a) the modified screen saver timeout
- b) the new desktop background
- c) the new files on drive D
- d) the new files on drive C

For Linux based VM's the temporary disk is mounted as `"/dev/sdb1"`.



117

You sign up for Azure Active Directory (Azure AD) Premium P2. You need to add a user named admin1@contoso.com as an administrator on all the computers that will be joined to the Azure AD domain. **What should you configure in Azure AD?**

- a) Device settings from the Devices blade
- b) Providers from the MFA Server blade
- c) User settings from the Users blade
- d) General settings from the Groups blade

In the Azure portal, you can manage the device administrator role on the Devices page. To open the Devices page:

1. Sign in to your Azure portal as a global administrator or device administrator.
2. On the left navbar, click Azure Active Directory.
3. In the Manage section, click Devices.
4. On the Devices page, click Device settings.





118

An IT administrator creates an Azure virtual machine scale set with 10 VMS. However, VMS are running at max capacity with the CPU being fully consumed and additional VMS are not deploying in the scale set. You need to ensure that additional VMS are deployed when the CPU is 80% consumed. **What should you do?** Select one.

- a) Enable the autoscale option.
- b) Increase the instance count.
- c) Add the scale set automation script to the library.
- d) Deploy the scale set automation script.



119

A company needs to create a storage account that needs to have the following requirements:

- a) Users should be able to add files such as images and videos in primary location
- b) The data needs to be available even if a region goes down
- c) The solution needs to be cost effective

What is the type of replication that needs to be configured for the storage account?

- a) Geo-redundant storage (GRS)
- b) Locally redundant storage (LRS)
- c) Zone-redundant storage (ZRS)
- d) Read-access geo-redundant storage (RA-GRS)



120

Your company has an Azure subscription with a storage accounts. Storage account includes a queue service, a table service, Azure Files and a blob service. You have created two apps that must be configured to store various types of data to all the storage services. You need to configure the required number of endpoints for the apps.

**Solution:** You configure four endpoints per app. Does the solution meet the goal?

YesNo

121

Your company has an Azure subscription with two storage accounts. Each of these storage accounts includes a queue service, a table service, Azure Files and a blob service. You have created two apps that must be configured to store various types of data to all the storage services on the two storage accounts. You need to configure the required number of endpoints for the apps.

**Solution:** You configure four endpoints per app. Does the solution meet the goal?

☐ Yes☒ No

```
https://*mystorageaccount*.blob.core.windows.net/*mycontainer*/*myblob*
```



122

You have an Azure Storage account named storage1. You have an Azure App Service named App1 and an app named App2 that runs in an Azure container instance. Each app uses a managed identity. You need to ensure that App1 and App2 can read blobs from storage1. The solution must meet the following requirements:

- Minimize the number of secrets used.
- Ensure that App2 can only read from storage1 for the next 30 days.

What should you configure in storage1 for each app?

**App1**

Access keys

Advanced security

Access control (IAM)

Shared access signatures (SAS)

**App2**

Access keys

Advanced security

Access control (IAM)

Shared access signatures (SAS)



123

You have a general-purpose v1 Azure Storage account named storage1 that uses locally-redundant storage (LRS). You need to ensure that the data in the storage account is protected if a zone fails. The solution must minimize costs and administrative effort. **What should you do first?**

- a) Create a new storage account.
- b) Configure object replication rules.
- c) Upgrade the account to general-purpose v2.
- d) Modify the Replication setting of storage1.



124

You have an Azure subscription named Subscription1 that contains a virtual network named VNet1. VNet1 is in a resource group named RG1. Subscription1 has a user named User1. User1 has the following roles:

- Reader
- Security Admin
- Security Reader

You need to ensure that User1 can assign the Reader role for VNet1 to other users. **What should you do?**

- a) Remove User1 from the Security Reader and Reader roles for Subscription1.
- b) Assign User1 the User Access Administrator role for VNet1.
- c) Assign User1 the Network Contributor role for VNet1.
- d) Assign User1 the Network Contributor role for RG1.

125

You have an Azure subscription named Subscription1 that is used by several departments at your company. Subscription1 contains the resources in this table:

Name	Type
Storage1	Storage account
RG1	Resource group
Container1	Container
Share1	File Share

Another administrator deploys a virtual machine named VM1 and an Azure Storage account named storage2 by using a single Azure Resource Manager template. You need to view the template used for the deployment.

From which blade can you view the template that was used for the deployment?

a) Storage1

b) RG1

c) Container1

d) Share1





126

You have an Azure web app named App1 having deployment slots shown in the following table:

Name	Env Type
Webapp1-prod	Production
Webapp1-test	Test

In webapp1-test, you test several changes to App1. You back up App1. You swap webapp1-test for webapp1-prod and discover that App1 is experiencing performance issues. You need to revert to the previous version of App1 as quickly as possible. **What should you do?**

a) Redeploy App1

b) Swap the slots

c) Clone App1

d) Restore the backup of App1

127

Azure backup has unlimited data transfer.

Yes

No

128

Azure Backup requires which of the following?

- a) A dedicated backup server.
- b) A recovery service vault.
- c) An Azure blob storage container.



129

Your company want to backup files and folders to Azure. Which of these steps should be completed first?

- a) Download the agent and credential file.
- b) Configure the backup.
- c) Create the recovery services vault.



130

You have an Azure subscription named Subscription1. You create an Azure Storage account named contosostorage, and then you create a file share named data.

Which UNC path should you include in a script that references files from the data file share?

- a) contosostorage.file.core.windows.net\data
- b) data.file.core.windows.net\contosostorage
- c) contosostorage.blob.core.windows.net\data
- d) data.blob.core.windows.net\contosostorage



131

You have an Azure subscription that contains a resource group named RG1. RG1 is set to the West Europe location and is used to create temporary resources for a project. RG1 contains the resources shown in the following table.

Name	Type	Location
VM1	Virtual machine	North Europe
RGV1	Recovery service vault	North Europe
SQLDB01	SQL server in Azure VM	North Europe
sa1	Storage account	West Europe

SQLDB01 is backed up to RGV1. When the project is complete, you attempt to delete RG1 from the Azure portal. The deletion fails. You need to delete RG1. What should you do first?

- a) Delete VM1
- b) Stop VM1
- c) Stop the backup of SQLDB01
- d) Delete sa1

132

Log analytics agents can run on which of the following?

- a) Only on physical computers.
- b) Only on cloud computers.
- c) On many different platforms including other cloud providers.



133

You deploy an Azure Kubernetes Service (AKS) cluster that has the network profile shown in the following exhibit.

Network profile

Type (plugin)	Basic (Kubnet)
Pod CIDR	10.244.0.0/16
Service CIDR	10.0.0.0/16
DNS service IP	10.0.0.10
Docker bridge CIDR	172.17.0.1/16

Network options

HTTP application routing

Enabled

Disabled

POD CIDR:

- This address range must be large enough to accommodate the number of nodes that you expect to scale up to.
- You can't change this address range once the cluster is deployed if you need more addresses for additional nodes.

Containers will be assigned an IP address in the subnet.

10.244.0.0/16

10.0.0.0/16

172.17.0.1/16

Services in the AKS cluster will be assigned an IP address in the subnet.

10.244.0.0/16

10.0.0.0/16

172.17.0.1/16

134

You have an Azure subscription that includes following resources:

Name	Type
container1	Blob container
DB1	SQL database
Share1	File Share
Table1	Azure Table

You plan to export data by using Azure import/export job named Export1.

You need to identify the data that can be exported by using Export1.

Which data should you identify?

- a) DB1
- b) container1
- c) share1
- d) Table1





135

A company has an Azure Directory tenant named abc.com containing the groups in the below table, Also given configuration of two user accounts. **To which groups do User1 and User2 belong?**

Name	Group	Membership Type	Membership Rule
Group1	Security	Dynamic User	(user.department --ne "IT")
Group2	MS o365	Dynamic User	(user.Country --startsWith "I")
Group3	MS o365	Assigned	Not available

Name	Department	Country	O365 License
User1	Revenue	United States	Yes
User2	Research	India	No

User 1

Group1

Group 2

Group 3

Group 2 and 3

User 2

Group1

Group 2

Group 3

Group 1 and 2



136

You have an Azure subscription. Users access the resources in the subscription from either home or from customer sites. From home, users must establish a point-to-site VPN to access the Azure resources. The users on the customer sites access the Azure resources by using site-to-site VPNs. You have a line-of-business-app named App1 that runs on several Azure virtual machine. The virtual machines run Windows Server 2016. You need to ensure that the connections to App1 are spread across all the virtual machines. **What are two possible Azure services you can use?**

A: The customer sites are connected through VPNs, so an **internal load balancer** is enough.

B: The customer sites are connected through VPNs, so there's no need for a **public load balancer**, an internal load balancer is enough.

C: A **CDN** does not provide load balancing for applications, so it not relevant for this situation.

D: **Traffic manager** is a DNS based solution to direct users' requests to the nearest (typically) instance and does not provide load balancing for this situation.

E: **Azure Application Gateway** is a valid option, as it provides load balancing in addition to routing and security functions

137

You have an on-premises server that contains a folder named D:\Folder1. You need to copy the contents of D:\Folder1 to the public container in an Azure Storage account named contosodata. Which command should you run?

- a) `https://techdata.blob.core.windows.net/public`
- b) `azcopy sync D:\folder1 https://techdata.blob.core.windows.net/public --snapshot`
- c) `azcopy copy D:\folder1 https://techdata.blob.core.windows.net/public --recursive`
- d) `az storage blob copy start-batch D:\Folder1 https://techdata.blob.core.windows.net/public`



138

Can I move/migrate my cluster between Azure tenants?

Yes

No

139

Can I move/migrate my cluster between subscriptions?

Yes

No

140

Can I move my AKS cluster or AKS infrastructure resources to other resource groups or rename them?

Yes

No



141

You have an Azure virtual machine named VM1. You use Azure Backup to create a backup of VM1 named Backup1. After creating Backup1, you perform the following changes to VM1:

- Modify the size of VM1.
- Copy a file named Budget.xls to a folder named Data.
- Reset the password for the built-in administrator account.
- Add a data disk to VM1.

An administrator uses the Replace existing option to restore VM1 from Backup1. You need to ensure that all the changes to VM1 are restored. **Which change should you perform again?**

- a) Modify the size of VM1.
- b) Reset the password for the built-in administrator account.
- c) Add a data disk.
- d) Copy Budget.xls to Data.



142

You need to create an Azure Storage account that meets the following requirements:

- Minimizes costs
- Supports hot, cool, and archive blob tiers
- Provides fault tolerance if a disaster affects the Azure region where the account resides

How should you complete the command? To answer, select the appropriate options in the answer area.

az storage account create -n mystorageaccount -g MyResourceGroup --kind ??? --sku ???

--kind

BlobStorage

Storage

StorageV2

--sku

Standard\_GRS

Standard\_LRS

Standard\_RAGRS

Standard\_LRS

az storage account create -n mystorageaccount -g MyResourceGroup --kind StorageV2 --sku Standard\_LRS



143

You have an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com. The User administrator role is assigned to a user named Admin1. An external partner has a Microsoft account that uses the user1@outlook.com sign in. Admin1 attempts to invite the external partner to sign in to the Azure AD tenant and receives the following error message *“Unable to invite user user1@outlook.com, Generic authorization exception”*. You need to ensure that Admin1 can invite the external partner to sign into the Azure AD tenant.

**What should you do?**

- a) From the Users settings blade, modify the External collaboration settings.
- b) From the Custom domain names blade, add a custom domain.
- c) From the Organizational relationships blade, add an identity provider.
- d) From the Roles and administrators blade, assign the Security administrator role to Admin1.



144

You have an Azure subscription linked to an Azure Active Directory tenant. The tenant includes a user account named User1. You need to ensure that User1 can assign a policy to the tenant root management group. **What should you do?**

- a) Assign the Owner role for the Azure Subscription to User1, and then modify the default conditional access policies.
- b) Assign the Owner role for the Azure subscription to User1, and then instruct User1 to configure access management for Azure resources.
- c) Assign the Azure AD Global Administrator role to User1, and then instruct User1 to configure access management for Azure resources.
- d) Create a new management group and delegate User1 as the owner of the new management group.





145

A company has several Azure VMS that are currently running production workloads. There is a mix of production Windows Server and Linux servers. Which of the following is the best choice for production backups?

- a) Azure repos
- b) Managed snapshots
- c) Azure Backup
- d) Azure Site Recovery

An Azure Snapshot is a read-only copy of the existing disk in the Microsoft Azure Cloud. This snapshot can be used as a backup or to create a virtual machine. However, the snapshot is only for a single point in time and is not the best choice for production environments.



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146

You have an Azure virtual machine named VM1. VM1 was deployed by using a custom Azure Resource Manager template named ARM1.json. You receive a notification that VM1 will be affected by maintenance. You need to move VM1 to a different host immediately.

**Solution: From the Redeploy blade, you click Redeploy. Does this meet the goal?**

☒ Yes☐ No

147

You have an Azure virtual machine named VM1. VM1 was deployed by using a custom Azure Resource Manager template named ARM1.json. You receive a notification that VM1 will be affected by maintenance. You need to move VM1 to a different host immediately.

**Solution: From the Update management blade, you click Enable. Does this meet the goal?**

☐ Yes☒ No

148

You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Region
RG1	Resource Group	West US
RG2	Resource Group	East Asia
storage1	Storage account	West US
storage2	Storage account	East Asia
VM1	Virtual Machine	West US
VNET1	Virtual Network	West US
VNET2	Virtual Network	East Asia

VM1 connects to VNET1. You need to connect VM1 to VNET2.  
**Solution:** You move VM1 to RG2, and then you add a new network interface to VM1.  
Does this meet the goal?

Yes

No



149

You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Region
RG1	Resource Group	West US
RG2	Resource Group	East Asia
storage1	Storage account	West US
storage2	Storage account	East Asia
VM1	Virtual Machine	West US
VNET1	Virtual Network	West US
VNET2	Virtual Network	East Asia

VM1 connects to VNET1. You need to connect VM1 to VNET2.  
**Solution:** You delete VM1. You recreate VM1, and then you create a new network interface for VM1 and connect it to VNET2.  
Does this meet the goal?

Yes

No

Tip

When you create an Azure Virtual Machine (VM), you must create a Virtual Network (VNet) or use an existing VNet. You can change the subnet a VM is connected to after it's created, but you cannot change the VNet. You can also change the size of a VM.



150

You have an Azure subscription named Subscription1 containing following quotas:

Quota	Location	Usage
Standard BS Family vCPUs	West US	0 of 20
Standard D Family vCPUs	West US	0 of 20
Total regional vCPUs	West US	0 of 20

You deploy virtual machines to Subscription1 as shown in the following table.

Name	Size	vCPU s	Location	Status
VM1	Standard_B2ms	2	West US	Running
VM20	Standard_B16m s	16	West US	Stopped (Deallocated)

You plan to deploy the virtual machines shown in the following table.

Name	Size	vCPUs
VM3	Standard_B2ms	1
VM4	Standard_D4s_v3	4
VM5	Standard_B16ms	16

Statement	Yes	No
<div>You can deploy VM3 to West US.</div>	<input checked="" type="radio"/>	<input type="radio"/>
<div>You can deploy VM4 to West US.</div>	<input type="radio"/>	<input checked="" type="radio"/>
<div>You can deploy VM5 to West US.</div>	<input type="radio"/>	<input checked="" type="radio"/>

1st: Yes, We can add 1 vCPU. 2 vCPUs (VM1) + 16 vCPUs (VM20) + 1 vCPU (VM3) = 19 vCPUs  
2nd: No, We cannot add 4 vCPUs. 2 vCPUs (VM1) + 16 vCPUs (VM20) + 4 vCPU (VM4) = 22 vCPUs  
3rd: No, We cannot add 16 vCPU. 2 vCPUs (VM1) + 16 vCPUs (VM20) + 16 vCPU (VM5) = 34 vCPUs

151

Your company has an Azure Active Directory (Azure AD) tenant that is configured for hybrid coexistence with the on-premises Active Directory domain. The on-premise virtual environment consists of virtual machines (VMs) running on Windows Server 2012 R2 Hyper-V host servers. You have created some PowerShell scripts to automate the configuration of newly created VMs. You plan to create several new VMs. You need a solution that ensures the scripts are run on the new VMs. **Which of the following is the best solution?**

- a) Configure a SetupComplete.cmd batch file in the %windir%\setup\scripts directory.
- b) Configure a Group Policy Object (GPO) to run the scripts as logon scripts.
- c) Configure a Group Policy Object (GPO) to run the scripts as startup scripts.
- d) Place the scripts in a new virtual hard disk (VHD).



152

Your company has an Azure Active Directory (Azure AD) tenant that is configured for hybrid coexistence with the on-premises Active Directory domain. You plan to deploy several new virtual machines (VMs) in Azure. The VMs will have the same operating system and custom software requirements. You configure a reference VM in the on-premise virtual environment. You then generalize the VM to create an image. You need to upload the image to Azure to ensure that it is available for selection when you create the new Azure VMs. Which PowerShell cmdlets should you use?

- a) Add-AzVM
- b) Add-AzVhd
- c) Add-AzImage
- d) Add-AzImageDataDisk



153

The development team asks you to provision an Azure storage account for their use. To remain in compliance with IT security policy, you need to ensure that the new Azure storage account meets the following requirements:

- Data must be encrypted at rest.
- Access keys must facilitate automatic rotation.
- The company must manage the access keys.

- a) Configure the storage account to store its keys in Azure Key Vault.
- b) Create a service endpoint between the storage account and a virtual network (VNet).
- c) Require secure transfer for the storage account.
- d) Enable Storage Service Encryption (SSE) on the storage account.





154

You have web app in the West US, Central US and East US Azure regions. You have the App plans shown in the following table.

Name	Operating system	Location	SKU and Size
ASP1	Windows	West US	Standard S1
ASP2	Linux	Central US	Premium V2 P1v2
ASP3	Linux	East US	Premium V2 P1v2
ASP4	Linux	East US	Premium V2 P1v2

You plan to create an additional App Service plan named ASPs that will use the Linux operating system. You need to identify in which of the currently used locations you can deploy ASPs. What should you recommend?

- a) Central US only
- b) West US, Central US, or East US
- c) East US only
- d) West US only

155

The infrastructure team is responsible for managing a production web app. The app requires scaling to five instances, 40GB of storage, and a custom domain name. A least cost solution is desired. Which App Service Plan would meet the requirements?

- a) Basic
- b) Standard
- c) Premium



156

Your company website is “Thetechblackboard.com”. Your marketing team wants to know which web pages are most popular, at what times of day, and where the users are located. Which of the following should be recommended?

- a) Application Insights
- b) Azure Monitor
- c) Application logging



157

Can you have different VM sizes in a single cluster?

Yes

No

158

Can you provide your own name for the AKS node resource group?

Yes

No

159

Can you run Windows Server containers on AKS?

Yes

No



160

Suppose you are building a photo-editing application that will offer online storage for user-generated photo content. You will store the photos in Azure Blobs, so you need to create an Azure storage account to contain the blobs. Once the storage account is in place, it is unlikely you would remove and recreate it because this would delete all the user photos.

Which tool is likely to offer the quickest and easiest way to create the storage account?

- a) Azure Portal
- b) Azure CLI
- c) Azure Powershell



161

You have an Azure subscription that contains the following resources:

- A virtual network that has a subnet named Subnet1
- Two network security groups (NSGs) named NSG-VM1 and NSG-Subnet1
- A virtual machine named VM1 that has the required Windows Server configurations to allow Remote Desktop connections

NSG-Subnet1 has the default inbound security rules only. NSG-VM1 has the default inbound security rules and the following custom inbound security rule:

Priority: 100	Source: Any	Source port range: *	Destination: *
Destination port range: 3389		Protocol: UDP	Action: Allow

Yes

No

VM1 has a public IP address and is connected to Subnet1. NSG-VM1 is associated to the network interface of VM1. NSG-Subnet1 is associated to Subnet1. You need to be able to establish Remote Desktop connections from the internet to VM1.

**Solution:** You add an inbound security rule to NSG-Subnet1 that allows connections from the internet source to the Virtual Network destination for port range 3389 and uses the UDP protocol.  
Does this meet the goal?

162

You have an Azure subscription that contains the following resources:

- A virtual network that has a subnet named Subnet1
- Two network security groups (NSGs) named NSG-VM1 and NSG-Subnet1
- A virtual machine named VM1 that has the required Windows Server configurations to allow Remote Desktop connections

NSG-Subnet1 has the default inbound security rules only. NSG-VM1 has the default inbound security rules and the following custom inbound security rule:

Priority: 100	Source: Any	Source port range: *	Destination: *
Destination port range: 3389		Protocol: UDP	Action: Allow

Yes

No

VM1 has a public IP address and is connected to Subnet1. NSG-VM1 is associated to the network interface of VM1. NSG-Subnet1 is associated to Subnet1. You need to be able to establish Remote Desktop connections from the internet to VM1.

**Solution:** You add an inbound security rule to NSG-Subnet1 that allows connections from the Any source to the \*destination for port range 3389 and uses the TCP protocol. You remove NSG-VM1 from the network interface of VM1. Does this meet the goal?

163

An administrator is deploying couple of new virtual machines in Azure subscription via automation. All VMS will be deployed in the resource group RG07 based on an ARM template that is stored in GitHub. **Which TWO commands should the administrator use ?**

- a) New-AzResourceGroupDeployment
- b) New-AzVM
- c) az group deployment create
- d) az vm create





164

You have a computer named Computer1 that has a point-to-site VPN connection to an Azure virtual network named VNet1. The point-to-site connection uses a self-signed certificate. From Azure, you download and install the VPN client configuration package on a computer named Computer2. You need to ensure that you can establish a point-to-site VPN connection to VNet1 from Computer2.

**Solution:** You export the client certificate from Computer1 and install the certificate on Computer2.

Does this meet this goal?

☒ Yes☐ No

Each client computer that connects to a VNet using Point-to-Site must have a client certificate installed. You generate a client certificate from the self-signed root certificate, and then export and install the client certificate. If the client certificate is not installed, authentication fails.



165

You have a computer named Computer1 that has a point-to-site VPN connection to an Azure virtual network named VNet1. The point-to-site connection uses a self-signed certificate. From Azure, you download and install the VPN client configuration package on a computer named Computer2. You need to ensure that you can establish a point-to-site VPN connection to VNet1 from Computer2.

**Solution:** You modify the Azure Active Directory (Azure AD) authentication policies.

Does this meet this goal?

☐ Yes☒ No

A client computer that connects to a VNet using Point-to-Site must have a client certificate installed.



166

You have a computer named Computer1 that has a point-to-site VPN connection to an Azure virtual network named VNet1. The point-to-site connection uses a self-signed certificate. From Azure, you download and install the VPN client configuration package on a computer named Computer2. You need to ensure that you can establish a point-to-site VPN connection to VNet1 from Computer2.

**Solution:** You join Computer2 to Azure Active Directory (Azure AD).

Does this meet this goal?

☐ Yes☒ No

A client computer that connects to a VNet using Point-to-Site must have a client certificate installed.



167

You have an Azure subscription that contains the following resources:

- 100 Azure virtual machines
- 20 Azure SQL databases
- 50 Azure file shares

You need to create a daily backup of all the resources by using Azure Backup.

**What is the minimum number of backup policies that you must create?**

- a) 1
- b) 2
- c) 3
- d) 120
- e) 170



168

You are troubleshooting a performance issue for an Azure Application Gateway. You need to compare the total requests to the failed requests during the past six hours. What should you use?

- a) Metrics in Application Gateway
- b) Diagnostics logs in Application Gateway
- c) NSG flow logs in Azure Network Watcher
- d) Connection monitor in Azure Network Watcher



169

You create the following resources in a subscription:

- An Azure Container Registry instance named Registry1
- An Azure Kubernetes Service (AKS) cluster named Cluster1

You create a container image named App1 on your administrative workstation. You need to deploy App1 to cluster1. **What should you do first?**

- a) Create a host pool on Cluster1
- b) Run the docker push command.
- c) Run the kubectl apply command.
- d) Run the az aks create command.

An Azure container registry stores and manages private Docker container images similar to the the way Docker Hub stores public Docker images. You can use the Docker command-line interface (Docker CLI) for login, push, pull, and other operations on your container registry.



170

1 You have an Azure subscription that contains the resource groups shown in the following table.

Name	Location
RG1	West US
RG2	East US

2 RG1 contains resources shown in the following table.

Name	Type	Location
storage1	Storage Account	West US
VNET1	Virtual Network	West US
NIC1	Network Interface	West US
Disk1	Disk	West US
VM1	Virtual Machine	West US

VM1 is running and connects to NIC1 and Disk1. NIC1 connects to VNET1. RG2 contains a public IP address named IP2 that is in the East US location. IP2 is not assigned to a virtual machine.

3 Choose all that apply:

- You can move storage1 to RG2
- You can move NIC1 to RG2
- If you move IP2 to RG1, the location of IP2 will change



171

Your company wants to move all services to Azure Kubernetes service. Which of the following components contributes to the monthly Azure charge?

- a) Master Node
- b) Per deployed pod
- c) Per node VM





172

You need to resolve the Active Directory issue. What should you do?

- a) Run the IdFix tool then use the Update actions.
- b) From Active Directory Domains and Trusts, modify the list of UPN suffixes.
- c) From Azure AD Connect, modify the outbound synchronization rule.
- d) From Active Directory Users and Computers, select the user accounts and then modify the UPN suffix value.

IdFix is used to perform discovery and remediation of identity objects and their attributes in an on-premises Active Directory environment in preparation for migration to Azure Active Directory. IdFix is intended for the Active Directory administrators responsible for directory synchronization with Azure Active Directory.



173

Which of the following is the Kubernetes agent that processes the orchestration requests and schedules running the requested containers?

- a) container
- b) node
- c) kubelet

174

You have an Azure subscription. You are deploying an Azure Kubernetes Service (AKS) cluster that will contain multiple pods. The pods will use kubernetes networking. You need to restrict network traffic between the pods. **What should you configure on the AKS cluster?**

- a) the Azure network policy
- b) the Calico network policy
- c) pod security policies
- d) an application security group

175

You are part of the infrastructure team. You need to configure networking for the Azure Kubernetes service. Which of the following services would be best for internal-only applications that support other workloads within the cluster?

- a) LoadBalancer
- b) ClusterIP
- c) NodePort

ClusterIP creates an internal IP address for use within the AKS cluster. This is good for internal-only applications that support other workloads within the cluster.



176

You have an Azure subscription that contains an Azure Storage account. You plan to create an Azure container instance named container1 that will use a Docker image named Image1. Image1 contains a Microsoft SQL Server instance that requires persistent storage. You need to configure a storage service for Container1. **What should you use?**

- a) Azure Files
- b) Azure Blob storage
- c) Azure Queue storage
- d) Azure Table storage

Azure file shares can be used as persistent volumes for stateful containers. Containers deliver "build once, run anywhere" capabilities that enable developers to accelerate innovation. For the containers that access raw data at every start, a shared file system is required to allow these containers to access the file system no matter which instance they run on.



177

You have an Azure subscription that contains a web app named webapp1. You need to add a custom domain named www.contoso.com to webapp1. What should you do first?

- a) Create a DNS record
- b) Add a connection string
- c) Upload a certificate.
- d) Stop webapp1.



178

Suppose you have a script that creates several VMS with different images. When the script issues the command to create the first VM you do not want to block the script while the VM is created, instead you want the script to immediately move on to the next command. **What is the best way to do this?**

- a) Add the '--async' argument to your create command.
- b) Use the ampersand (&) to run the process in the background.
- c) Add the '--no-wait' argument to your create command.

Adding '--no-wait' will cause 'azure VM create' to return immediately without waiting for the VM to be actually created.



179

You create the following resources in an Azure subscription:

- An Azure Container Registry instance named Registry1
- An Azure Kubernetes Service (AKS) cluster named Cluster1

You create a container image named App1 on your administrative workstation. You need to deploy App1 to Cluster1. **What should you do first?**

- a) Run the docker push command.
- b) Create an App Service plan.
- c) Run the az acr build command.
- d) Run the az aks create command.

You should sign in and push a container image to Container Registry.

Run the az acr build command to build and push the container image.

```
az acr build \  
--image contoso-website \  
--registry $ACR_NAME \  
--file Dockerfile .
```

180

You plan to deploy three Azure virtual machines named VM1, VM2, and VM3. The virtual machines will host a web app named App1. You need to ensure that at least two virtual machines are available if a single Azure datacenter becomes unavailable. **What should you deploy?**

- a) all three virtual machines in a single Availability Zone
- b) all virtual machines in a single Availability Set
- c) each virtual machine in a separate Availability Zone
- d) each virtual machine in a separate Availability Set





181

What needs to be installed on your machine to let you execute Azure PowerShell cmdlets locally?

- a) The Azure cloud shell
- b) The base PowerShell product and the Az module
- c) The Azure CLI and Azure PowerShell



182

You have five Azure virtual machines that run Windows Server 2016. The virtual machines are configured as web servers. You have an Azure load balancer named LB1 that provides load balancing services for the virtual machines. You need to ensure that visitors are serviced by the same web server for each request. **What should you configure?**

- a) Floating IP (direct server return) to Enabled
- b) Floating IP (direct server return) to Disabled
- c) a health probe
- d) Session persistence to Client IP and Protocol

With Sticky Sessions when a client starts a session on one of your web servers, session stays on that specific server. To configure an Azure Load-Balancer for Sticky Sessions set Session persistence to Client IP.



183

Your company has three offices. The offices are in Miami, Los Angeles, and New York. Each office contains datacenter. You have an Azure subscription that contains resources in the East US and West US Azure regions. Each region contains a virtual network. The virtual networks are peered. You need to connect the datacenters to the subscription. The solution must minimize network latency between the datacenters. **What should you create?**

- a) three Azure Application Gateways and one On-premises data gateway
- b) three virtual hubs and one virtual WAN
- c) three virtual WANs and one virtual hub
- d) three On-premises data gateways and one Azure Application Gateway



184

When assigning private IPv4 addresses in a subnet with the address range 10.3.0.0/16, which of the following addresses are available for assignment dynamically?

- a) 10.3.0.2
- b) 10.3.255.255
- c) 10.3.255.254

a) 10.3.0.2: **That's incorrect.** Azure reserves the first four addresses in each subnet address range. These four addresses can't be assigned to resources: 10.3.0.0, 10.3.0.1, 10.3.0.2 and 10.3.0.3.

b) 10.3.255.255: **That's incorrect.** This is the subnet broadcast address, which is unavailable.



185

You are using blob storage. Which of the following is true? Select one.

- a) The cool access tier is for frequent access objects in the storage account.
- b) The hot access tier is for storing large amounts of data that is infrequently accessed.
- c) The performance tier you select does not affect pricing.
- d) You can switch between hot and cool performance tiers at any time.



186

You host a service with two Azure virtual machines. You discover that occasional outages cause your service to fail. **What two actions can you do to minimize the impact of the outages?** Select two

- a) Add a load balancer.
- b) Put the virtual machines in an availability set.
- c) Put the virtual machines in a scale set.
- d) Add a network gateway.
- e) Add a third instance of the virtual machine.



187

How many resource groups are created for each AKS deployment

- a) 1
- b) 2
- c) 3
- d) 4

Each AKS deployment spans two resource groups:

1. First resource group: This one is created by you it contains only the Kubernetes service resource.
2. The second resource group, known as the node resource group, contains all of the infrastructure resources associated with the cluster.



What is the Azure ExpressRoute service?

- a) Azure ExpressRoute is a service that provides a VPN connection between on-premises and the Microsoft cloud.
- b) Azure ExpressRoute is a service that provides a direct connection from the on-premises datacenter to the Microsoft cloud.
- c) Azure ExpressRoute is a service that provides a site-to-site VPN connection between the on-premises network and the Microsoft cloud.





189

You're currently using network security groups (NSGs) to control how your network traffic flows in and out of your virtual network subnets and network interfaces. You want to customize how your NSGs work. For all incoming traffic, you need to apply your security rules to both the virtual machine and subnet level. Which of the following options will let you accomplish this? (Choose two)

- a) Configure the AllowVNetInBound security rule for all new NSGs.
- b) Create rules for both NICs and subnets with an allow action.
- c) Delete the default rules.
- d) Add rules with a higher priority than the default rules.



190

A company plans to copy an on-premises VM image to a container named myimages. Which command should you run in order to create the container for the planned image?

azcopy

copy

sync

make

Your account-name

table

image

blob

.core.windows.net/myimages

```
azcopy make "https://[account-name].[blob,file,dfs].core.windows.net/[top-level-resource-name]"
```

