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1. You have an Azure subscription that contains an Azure Active Directory (Azure AD) tenant named con- toso.com, create toso.com and an Azure Kubernetes Service (AKS) cluster named AKS1.

B. From conan OAuth 2.0 authorization endpoint.

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.
- You have a Microsoft 365 tenant and an Azure Active A. an Office 2. Directory (Azure AD) tenant named contoso.com.

365 group that uses the Assigned

You plan to grant three users named User1, User2, and membership type **User3 access to a temporary Microsoft SharePoint** document library named Library1.

C. an Office 365 group that uses

You need to create groups for the users. The solution the Dynamic User must ensure that the groups are deleted automatically membership type after 180 days.

Which two groups should you create?

A. an Office 365 group that uses the Assigned membership type



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- B. a Security group that uses the Assigned membership type
- C. an Office 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
- 3. You recently created a new Azure subscription that contains a user named Admin1.

Admin1 attempts to deploy an Azure Marketplace resource by using an Azure Resource Manager template. Admin1 deploys the template by using Azure-PowerShell and receives the following error message: "User failed validation to purchase resources. Error message: "Legal terms have not been accepted for this item on this subscription. To accept legal terms, please go to the Azure portal (http://go.microsoft.com/fwlink/?LinkId=534873) and configure programmatic deployment for the Marketplace item or create it there for the first time.

C. From Azure PowerShell, run the Set-AzMarketplaceTerms cmdlet

"You need to ensure that Admin1 can deploy the Marketplace resource successfully."

What should you do?

- A. From Azure PowerShell, run the Set-AzApiManagementSubscription cmdlet
- B. From the Azure portal, register the Microsoft.Marketplace resource provider
- C. From Azure PowerShell, run the Set-AzMarket-



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placeTerms cmdlet

D. From the Azure portal, assign the Billing administrator role to Admin1

4. You have an Azure Active Directory (Azure AD) tenant B. From the Dithat contains 5,000 user accounts.

rectory role blade, modify the directo-

You create a new user account named AdminUser1. ry role

You need to assign the User administrator administrative role to AdminUser1.

What should you do from the user account properties?

- A. From the Licenses blade, assign a new license
- B. From the Directory role blade, modify the directory role
- C. From the Groups blade, invite the user account to a new group
- You have an Azure Active Directory (Azure AD) tenant A. From the Linamed contoso.onmicrosoft.com that contains 100 censes blade of user accounts.
 Azure AD, assign a license

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



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- 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
- 6. You have an Azure subscription named Subscription1 C. Deploy the IT and an on-premises deployment of Microsoft System Service Manage-Center Service Manager. ment Connector (ITSM)

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
- 7. You sign up for Azure Active Directory (Azure AD) Premium.

A. Device settings from the Devices blade

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?



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- 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
- 8. You have an Azure subscription named Subscription1 B. Assign User1 that contains a virtual network named VNet1. VNet1 is the Owner role for in a resource group named RG1. Subscription1 has a VNet1. 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 User 1 from the Security Reader role for Subscription1. Assign User1 the Contributor role for RG1.
- B. Assign User1 the Owner role for VNet1.
- C. Remove User1 from the Security Reader and Reader roles for Subscription1.
- D. Assign User1 the Network Contributor role for RG1.
- 9. You have an Azure Active Directory (Azure AD) tenant A. MX named contosocloud.onmicrosoft.com.

Your company has a public DNS zone for contoso.com.



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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. SRV
- D. NSEC3
- You have an Azure Storage account named storage1. B. blob and file only

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
- 11. You have an Azure subscription that contains an Azure Storage account.

D. Azure Table storage

You plan to create an Azure container instance named

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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
- 12. You have an app named App1 that runs on two Azure D. two update dovirtual machines named VM1 and VM2. mains

You plan to implement an Azure Availability Set for App1. The solution must ensure that App1 is available during planned maintenance of the hardware hostingVM1 and VM2.

What should you include in the Availability Set?

- A. one update domain
- B. two fault domains
- C. one fault domain
- D. two update domains
- 13. You have an on-premises server that contains a folder C. azcopy copy named D:\Folder1. D:\folder1 https://contosoda-

You need to copy the contents of D:\Folder1 to the

ta.blob.core.win-



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public container in an Azure Storage account named dows.net/public contosodata. --recursive

Which command should you run?

A. https://contosodata.blob.core.windows.net/public

B. azcopy sync D:\folder1 https://contosoda-ta.blob.core.windows.net/public --snapshot

C. azcopy copy D:\folder1 https://contosodata.blob.core.windows.net/public --recursive

D. az storage blob copy start-batch D:\Folder1 https://contosodata.blob.core.windows.net/public

14. You have an Azure subscription that contains a stor- A. From the Fireage account named account1. walls and virtu-

You plan to upload the disk files of a virtual machine to account 1 from your on-premises network. The on-premises network uses a public IP address space of 131.107.1.0/24.

You plan to use the disk files to provision an Azure virtual machine named VM1. VM1 will be attached to a virtual network named VNet1. VNet1 uses an IP address space of 192.168.0.0/24.

You need to configure account 1 to meet the following requirements:

Ensure that you can upload the disk files to account 1.

Ensure that you can attach the disks to VM1.

Prevent all other access to account1.

Which two actions should you perform?

A. From the Firewalls and virtual networks blade of account1, select Selected networks.

E. From the Service endpoints blade of VNet1, add a service endpoint.

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- A. From the Firewalls and virtual networks blade of account1, select Selected networks.
- B. From the Firewalls and virtual networks blade of account1, select Allow trusted Microsoft services to access this storage account.
- C. From the Firewalls and virtual networks blade of account1, add the 131.107.1.0/24 IP address range.
- D. From the Firewalls and virtual networks blade of account1, add VNet1.
- E. From the Service endpoints blade of VNet1, add a service endpoint.
- 15. You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

B. No

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?

A. Yes

B. No

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B. No



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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?

A. Yes

B. No

17. You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

A. Yes

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?

A. Yes

B. No

18. You have an Azure subscription named Subscription1.

C. the AzurePerfor-manceDiagnos-tics extension

You deploy a Linux virtual machine named VM1 to Subscription1.

You need to monitor the metrics and the logs of VM1.

What should you use?



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- A. Azure HDInsight
- B. Linux Diagnostic Extension (LAD) 3.0
- C. the AzurePerformanceDiagnostics extension
- D. Azure Analysis Services
- 19. You plan to deploy three Azure virtual machines named VM1, VM2, and VM3. The virtual machines will host a web app named App1.

B. all virtual machines in a single Availability Set

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
- 20. You have an Azure virtual machine named VM1 that runs Windows Server 2019.

B. administrator username

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?



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- A. operating system
- B. administrator username
- C. virtual machine size
- D. resource group
- 21. You have an Azure subscription that contains an Azure virtual machine named VM1. VM1 runs a finan- sired State Configcial reporting app named App1 that does not support uration (DSC) exmultiple active instances.

E. Add a Detension to VM1.

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.
- 22. You have an Azure virtual machine named VM1 that runs Windows Server 2019.

A. the modified screen saver timeout

You sign in to VM1 as a user named User1 and perform the following actions:

Create files on drive C.

Q

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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
- 23. You have an Azure virtual machine named VM1 that B. No 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 add the Microsoft Monitoring Agent VM extension to VM1. You create an alert in Azure Monitor and specify the Log Analytics workspace as the source.

Does this meet the goal?

A. Yes

B. No

24. A. Yes



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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 this meet the goal?

A. Yes

B. No

25. You have an Azure virtual machine named VM1 that B. No 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 this meet the goal?

A. Yes

B. No



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You have a deployment template named Template1 that is used to deploy 10 Azure web apps.

B. one App Service plan

You need to identify what to deploy 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**
- 27. You have an Azure subscription that contains a virtual C. Change the size machine named VM1. VM1 hosts a line-of-business to D8s v3 application that is available 24 hours a day. VM1 has one network interface and one managed disk. VM1 uses the D4s v3 size.

You plan to make the following changes to VM1:

Change the size to D8s v3.

Add a 500-GB managed disk.

Add the Puppet Agent extension.

Enable Desired State Configuration Management.

Which change will cause downtime for VM1?

- A. Enable Desired State Configuration Management
- B. Add a 500-GB managed disk

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C. Change the size to D8s v3

D. Add the Puppet Agent extension

28. You have an Azure subscription named Subscription 1 A. Enable Azure that has the following providers registered:

Network Watche

Network Watcher in the East US Azure region.

Authorization

Automation C. Register

Resources the MicrosoftLog-Analytics provider.

Compute D. Create an Azure Storage account.

KeyVault

Network

Storage

Billing

Web

Subscription1 contains an Azure virtual machine named VM1 that has the following configurations:

Private IP address: 10.0.0.4 (dynamic)

Network security group (NSG): NSG1

Public IP address: None

Availability set: AVSet

Subnet: 10.0.0.0/24

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Managed disks: No

Location: East US -

You need to record all the successful and failed connection attempts to VM1.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Enable Azure Network Watcher in the East US Azure region.
- B. Add an Azure Network Watcher connection monitor.
- C. Register the MicrosoftLogAnalytics provider.
- D. Create an Azure Storage account.
- E. Register the Microsoft.Insights resource provider.
- F. Enable Azure Network Watcher flow logs.
- 29. You need to deploy an Azure virtual machine scale set that contains five instances as quickly as possible. What should you do?
- D. Deploy one virtual machine scale set that is set to ScaleSetVM or-
- A. Deploy five virtual machines. Modify the Availability chestration mode. 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.



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- D. Deploy one virtual machine scale set that is set to ScaleSetVM orchestration mode.
- 30. You have an Azure subscription that contains 10 vir- B. No tual networks. The virtual networks are hosted in separate resource groups.

Another administrator plans to create several network security groups (NSGs) in the subscription.

You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.

Solution: From the Resource providers blade, you unregister the Microsoft.ClassicNetwork provider.

Does this meet the goal?

A. Yes

B. No

31. You have an Azure subscription that contains 10 vir- B. No tual networks. The virtual networks are hosted in separate resource groups.

Another administrator plans to create several network security groups (NSGs) in the subscription.

You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.

Solution: You assign a built-in policy definition to the subscription.

Does this meet the goal?

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A. Yes

B. No

32. You have an Azure subscription that contains 10 vir- A. Yes tual networks. The virtual networks are hosted in separate resource groups.

Another administrator plans to create several network security groups (NSGs) in the subscription.

You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.

Solution: You configure a custom policy definition, and then you assign the policy to the subscription.

Does this meet the goal?

A. Yes

B. No

33. You have two Azure virtual networks named VNet1 C. Connection and VNet2. VNet1 contains an Azure virtual machine monitor named VM1. VNet2 contains an Azure virtual machine named VM2.

VM1 hosts a frontend application that connects to VM2 to retrieve data. Users report that the frontend application is slower than usual.

You need to view the average round-trip time (RTT) of the packets from VM1 to VM2.

Which Azure Network Watcher feature should you use?



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- A. IP flow verify
- B. Connection troubleshoot
- C. Connection monitor
- D. NSG flow logs
- 34. You have an Azure subscription that contains a poli- C. Create a cy-based virtual network gateway named GW1 and a route-based virtuvirtual network named VNet1.

al network gateway

You need to ensure that you can configure a point-to-site connection from an on-premises computer to VNet1.

E. Delete GW1

Which two actions should you perform?

- A. Add a service endpoint to VNet1
- B. Reset GW1
- C. Create a route-based virtual network gateway
- D. Add a connection to GW1
- E. Delete GW1
- F. Add a public IP address space to VNet1
- 35. You have five Azure virtual machines that run Windows Server 2016. The virtual machines are configured as web servers.

D. Session persistence to Client IP and Protocol

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



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same web server for each request.

What should you configure?

- A. Floating IP (direct server return) to Enabled
- B. Idle Time-out (minutes) to 20
- C. Protocol to UDP
- D. Session persistence to Client IP and Protocol
- 36. Your on-premises network contains an SMB share named Share1.

C. an Azure Virtual Network Gateway

You have an Azure subscription that contains the following resources:

A web app named webapp1

A virtual network named VNET1

You need to ensure that webapp1 can connect to Share1.

What should you deploy?

A. an Azure Application Gateway

B. an Azure Active Directory (Azure AD) Application Proxy

C. an Azure Virtual Network Gateway

37. You plan to deploy several Azure virtual machines C. Azure Custom that will run Windows Server 2019 in a virtual machine Script Extension scale set by using an Azure Resource Manager template.



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You need to ensure that NGINX is available on all the virtual machines after they are deployed.

What should you use?

A. Azure Active Directory (Azure AD) Application Proxy

- **B. Azure Application Insights**
- C. Azure Custom Script Extension
- D. the New-AzConfigurationAssignement cmdlet
- 38. Your company has three offices. The offices are locat- C. three virtual ed in Miami, Los Angeles, and New York. Each office WANs and one vircontains 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



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39. You have an Azure subscription that contains a virtual B. Deploy a stannetwork named VNet1. VNet1 contains four subnets dard load balancer named Gateway, Perimeter, NVA, and Production.

The NVA subnet contains two network virtual appliances (NVAs) that will perform network traffic inspec- that have HA Ports tion between the Perimeter subnet and the Production and Floating IP ensubnet.

C. Add two load balancing rules abled

You need to implement an Azure load balancer for the F. Add a fron-NVAs. The solution must meet the following require- tend IP configuraments:

tion, two backend pools, and a health

The NVAs must run in an active-active configuration probe that uses automatic failover.

The NVA must load balance traffic to two services on the Production subnet. The services have different IP addresses.

Which three actions should you perform?

- A. Deploy a basic load balancer
- B. Deploy a standard load balancer
- C. Add two load balancing rules that have HA Ports and Floating IP enabled
- D. Add two load balancing rules that have HA Ports enabled and Floating IP disabled
- E. Add a frontend IP configuration, a backend pool, and a health probe
- F. Add a frontend IP configuration, two backend pools, and a health probe



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You have an Azure subscription named Subscription 1 A. Download and that contains two Azure virtual networks named VNet1 re-install the VPN and VNet2. VNet1 contains a VPN gateway named VP- client configura-NGW1 that uses static routing. There is a site-to-site tion package on VPN connection between your on-premises network Client1. and VNet1.

On a computer named Client1 that runs Windows 10, you configure a point-to-site VPN connection to VNet1.

You configure virtual network peering between VNet1 and VNet2. You verify that you can connect to VNet2 from the on-premises network. Client1 is unable to connect to VNet2.

You need to ensure that you can connect Client1 to VNet2.What should you do?

- A. Download and re-install the VPN client configuration package on Client1.
- B. Select Allow gateway transit on VNet1.
- C. Select Allow gateway transit on VNet2.
- D. Enable BGP on VPNGW1
- 41. You have an Azure web app named webapp1.

A. From webapp1, enable Web server

Users report that they often experience HTTP 500 er- logging rors when they connect to webapp1.

You need to provide the developers of webapp1 with real-time access to the connection errors. The solution must provide all the connection error details.

What should you do first?



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- A. From webapp1, enable Web server logging
- B. From Azure Monitor, create a workbook
- C. From Azure Monitor, create a Service Health alert
- D. From webapp1, turn on Application Logging

42. Overview -

D. a Recovery Services vault

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

You have a public-facing application named App1. App1 is comprised of the following three tiers:

A SQL database -A web front end

A processing middle tier



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Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

Requirements

- -Planned Changes
- -Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.



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Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

Question

You need to implement a backup solution for App1 after the application is moved.

What should you create first?

A. a recovery plan

B. an Azure Backup Server



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C. a backup policy

D. a Recovery Services vault

43. Overview -

B. Use Azure Storage Explorer to copy the files.

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Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

Question

You need to move the blueprint files to Azure.

What should you do?

A. Generate an access key. Map a drive, and then copy the files by using File Explorer.

- B. Use Azure Storage Explorer to copy the files.
- C. Use the Azure Import/Export service.



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D. Generate a shared access signature (SAS). Map a drive, and then copy the files by using File Explorer. Reveal Solution Discussion