

AZ-305 Dumps

Designing Microsoft Azure Infrastructure Solutions

<https://www.certleader.com/AZ-305-dumps.html>



NEW QUESTION 1

- (Exam Topic 5)

You plan to deploy the backup policy shown in the following exhibit.

Policy1

Associated items Delete Save Discard

Backup frequency

Daily 6:00 PM (UTC) Coordinated Universal Time

Retention range

Retention of daily backup point.

* At 6:00 PM For 90 Day(s)

Retention of weekly backup point.

* On Sunday * At 6:00 PM For 26 Week(s)

Retention of monthly backup point.

Week Based Day Based

* On First * Day Sunday * At 6:00 PM For 36 Month(s)

Retention of yearly backup point.

Not Configured

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

Answer Area

Virtual machines that are backed up by using the policy can be recovered for up to a maximum of **[answer choice]**:

	▼
90 days	
26 weeks	
36 months	
45 months	

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is **[answer choice]**:

	▼
1 hour	
1 day	
1 week	
1 month	
1 year	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-vm-backup-faq#what-s-the-minimum-rpo-and-rto>

NEW QUESTION 2

- (Exam Topic 5)

You are designing an application that will use Azure Linux virtual machines to analyze video files. The files will be uploaded from corporate offices that connect to

Azure by using ExpressRoute.

You plan to provision an Azure Storage account to host the files.

You need to ensure that the storage account meets the following requirements:

- Supports video files of up to 7 TB
- Provides the highest availability possible
- Ensures that storage is optimized for the large video files
- Ensures that files from the on-premises network are uploaded by using ExpressRoute

How should you configure the storage account? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Storage account type:

- Premium file shares
- Premium page blobs
- Standard general-purpose v2

Data redundancy:

- Geo-redundant storage (GRS)
- Locally-redundant storage (LRS)
- Zone-redundant storage (ZRS)

Networking:

- Azure Route Server
- A private endpoint
- A service endpoint

These are the selections for Data redundancy

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Storage account type:

- Premium file shares
- Premium page blobs
- Standard general-purpose v2

Data redundancy:

- Geo-redundant storage (GRS)
- Locally-redundant storage (LRS)
- Zone-redundant storage (ZRS)

Networking:

- Azure Route Server
- A private endpoint
- A service endpoint

These are the selections for Data redundancy

NEW QUESTION 3

- (Exam Topic 5)

You have an Azure virtual machine named VM1 that runs Windows Server 2019 and contains 500 GB of data files.

You are designing a solution that will use Azure Data Factory to transform the data files, and then load the files to Azure Data Lake Storage

What should you deploy on VM1 to support the design?

- A. the self-hosted integration runtime
- B. the Azure Pipelines agent
- C. the On-premises data gateway
- D. the Azure File Sync agent

Answer: A

NEW QUESTION 4

- (Exam Topic 5)

You plan to deploy the backup policy shown in the following exhibit.

Policy1

Associated items Delete Save Discard

Backup frequency

Daily 6:00 PM (UTC) Coordinated Universal Time

Retention range

Retention of daily backup point.

* At 6:00 PM For 90 Day(s)

Retention of weekly backup point.

* On Sunday * At 6:00 PM For 26 Week(s)

Retention of monthly backup point.

Week Based Day Based

* On First * Day Sunday * At 6:00 PM For 36 Month(s)

Retention of yearly backup point.

Not Configured

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

Virtual machines that are backed up using the policy can be recovered for up to a maximum of [answer choice].

	▼
90 days	
26 weeks	
36 months	
45 months	

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is [answer choice].

	▼
1 hour	
1 day	
1 week	
1 month	
1 year	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated

NEW QUESTION 5

- (Exam Topic 5)

A company plans to implement an HTTP-based API to support a web app. The web app allows customers to check the status of their orders. The API must meet the following requirements:

- > Implement Azure Functions
- > Provide public read-only operations
- > Do not allow write operations

You need to recommend configuration options.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Topic	Value
Allowed authentication methods	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #ccc; padding: 2px; text-align: right;">▼</div> <div style="padding: 2px;"> All methods GET only GET and POST only GET, POST, and OPTIONS only </div> </div>
Authorization level	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #ccc; padding: 2px; text-align: right;">▼</div> <div style="padding: 2px;"> Function Anonymous Admin </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, table Description automatically generated

Allowed authentication methods: GET only Authorization level: Anonymous

The option is Allow Anonymous requests. This option turns on authentication and authorization in App Service, but defers authorization decisions to your application code. For authenticated requests, App Service also passes along authentication information in the HTTP headers.

This option provides more flexibility in handling anonymous requests. References:

<https://docs.microsoft.com/en-us/azure/app-service/overview-authentication-authorization>

NEW QUESTION 6

- (Exam Topic 5)

You have the resources shown in the following table.

Name	Type	Resource group
VM1	Azure virtual machine	RG1
VM2	On-premises virtual machine	<i>Not applicable</i>

You create a new resource group in Azure named RG2. You need to move the virtual machines to RG2.

What should you use to move each virtual machine? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

VM1:

- Azure Arc
- Azure Lighthouse
- Azure Migrate
- Azure Resource Mover
- The Data Migration Assistant (DMA)

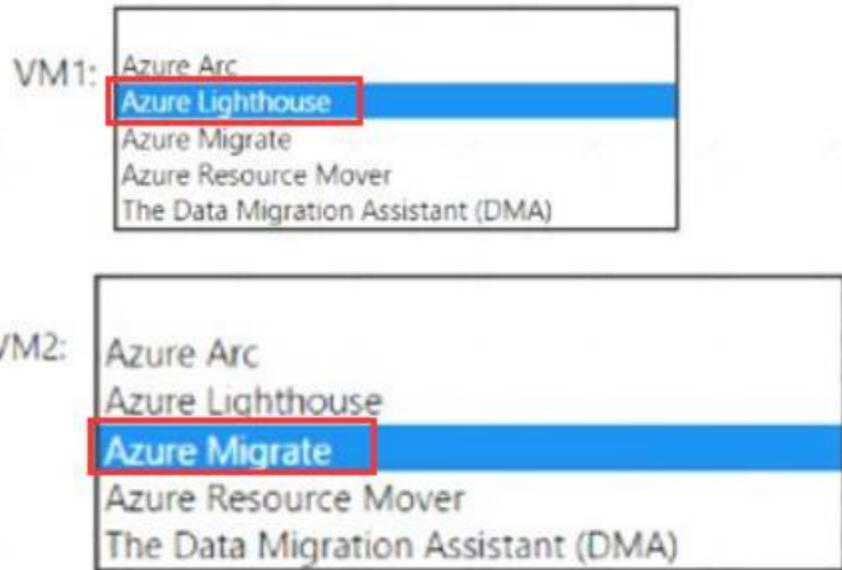
VM2:

- Azure Arc
- Azure Lighthouse
- Azure Migrate
- Azure Resource Mover
- The Data Migration Assistant (DMA)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 7

- (Exam Topic 5)

You plan to archive 10 TB of on-premises data files to Azure.

You need to recommend a data archival solution. The solution must minimize the cost of storing the data files. Which Azure Storage account type should you include in the recommendation?

- A. Standard StorageV2 (general purpose v2)
- B. Standard Storage (general purpose v1)
- C. Premium StorageV2 (general purpose v2)
- D. Premium Storage (general purpose v1)

Answer: A

Explanation:

Standard StorageV2 supports the Archive access tier, which would be the cheapest solution. Reference: <https://docs.microsoft.com/en-us/azure/storage/common/storage-introduction>

NEW QUESTION 8

- (Exam Topic 5)

You have an Azure subscription. The subscription has a blob container that contains multiple blobs. Ten users in the finance department of your company plan to access the blobs during the month of April. You need to recommend a solution to enable access to the blobs during the month of April only. Which security solution should you include in the recommendation?

- A. shared access signatures (SAS)
- B. access keys
- C. conditional access policies
- D. certificates

Answer: A

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview>

This allows for limited-time fine grained access control to resources. So you can generate URL, specify duration (for month of April) and disseminate URL to 10 team members. On May 1, the SAS token is automatically invalidated, denying team members continued access.

NEW QUESTION 9

- (Exam Topic 5)

You have an Azure subscription.

You need to deploy an Azure Kubernetes Service (AKS) solution that will use Linux nodes. The solution must meet the following requirements:

- > Minimize the time it takes to provision compute resources during scale-out operations.
- > Support autoscaling of Linux containers.
- > Minimize administrative effort.

Which scaling option should you recommend?

- A. Virtual Kubelet
- B. cluster autoscaler
- C. horizontal pod autoscaler
- D. AKS virtual nodes

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/azure/aks/virtual-nodes>

NEW QUESTION 10

- (Exam Topic 5)

You have an Azure subscription that contains a Basic Azure virtual WAN named Virtual/WAN1 and the virtual hubs shown in the following table.

Name	Azure region
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East region. You need to create an ExpressRoute association to VirtualWAN1. What should you do first?

- A. Upgrade VirtualWAN1 to Standard.
- B. Create a gateway on Hub1.
- C. Create a hub virtual network in US East.
- D. Enable the ExpressRoute premium add-on.

Answer: A

Explanation:

US East and US West are in the same geopolitical region so there is no need for enabling ExpressRoute premium add-on <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about#basicstandard>

The current config of virtual WAN is only Basic as given, so it can connect to only site to site VPN, to connect to express route it needs to be upgraded from basic to standard.

<https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>

<https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>

NEW QUESTION 10

- (Exam Topic 5)

You have an Azure subscription that is linked to an Azure Active Directory Premium Plan 2 tenant. The tenant has multi-factor authentication (MFA) enabled for all users.

You have the named locations shown in the following table.

Name	IP address range	Trusted
NY	192.168.2.0/27	Yes
DC	192.168.1.0/27	No
LA	192.168.3.0/27	No

You have the users shown in the following table.

Name	Device operating system	User-risk level	Matching compliance policies
User1	Windows 10	High	None
User2	Windows 10	Medium	None
User3	macOS	Low	None

You plan to deploy the Conditional Access policies shown in the following table.

Name	Assignment	Conditions: Locations	Conditions: User risk	Conditions: Sign-in risk	Access Control: Grant
CA1	All users	Trusted locations	High, Medium	None	Block access
CA2	All users	NY	None	High, Medium	Block access
CA3	All users	LA	None	None	Grant access: Require device to marked as compliant

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
To ensure that the conditions in CA1 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection user risk policy.	<input type="radio"/>	<input type="radio"/>
To ensure that the conditions in CA2 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection sign-in risk policy.	<input type="radio"/>	<input type="radio"/>
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A screenshot of a computer Description automatically generated with medium confidence

NEW QUESTION 11

- (Exam Topic 5)

You plan to deploy an Azure App Service web app that will have multiple instances across multiple Azure regions.

You need to recommend a load balancing service for the planned deployment. The solution must meet the following requirements:

- Maintain access to the app in the event of a regional outage.
- Support Azure Web Application Firewall (WAF).
- Support cookie-based affinity.
- Support URL routing.

What should you include in the recommendation?

- A. Azure Front Door
- B. Azure Load Balancer
- C. Azure Traffic Manager
- D. Azure Application Gateway

Answer: B

Explanation:

Azure Traffic Manager performs the global load balancing of web traffic across Azure regions, which have a regional load balancer based on Azure Application Gateway. This combination gets you the benefits of Traffic Manager many routing rules and Application Gateway's capabilities such as WAF, TLS termination, path-based routing, cookie-based session affinity among others.

Reference:

<https://docs.microsoft.com/en-us/azure/application-gateway/features>

NEW QUESTION 15

- (Exam Topic 5)

You need to recommend a solution to generate a monthly report of all the new Azure Resource Manager resource deployment in your subscription. What should you include in the recommendation?

- A. Azure Activity Log
- B. Azure Monitor action groups
- C. Azure Advisor
- D. Azure Monitor metrics

Answer: A

Explanation:

Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.

Through activity logs, you can determine:

- what operations were taken on the resources in your subscription
- who started the operation
- when the operation occurred
- the status of the operation
- the values of other properties that might help you research the operation

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/view-activity-logs> <https://docs.microsoft.com/en-us/azure/automation/change-tracking>

NEW QUESTION 16

- (Exam Topic 5)

Your company has the infrastructure shown in the following table.

Location	Resource
Azure	<ul style="list-style-type: none"> • Azure subscription named Subscription1 • 20 Azure web apps
On-premises datacenter	<ul style="list-style-type: none"> • Active Directory domain • Server running Azure AD Connect • Linux computer named Server1

The on-premises Active Directory domain syncs to Azure Active Directory (Azure AD).

Server1 runs an application named Appl that uses LDAP queries to verify user identities in the on-premises Active Directory domain.

You plan to migrate Server1 to a virtual machine in Subscription1.

A company security policy states that the virtual machines and services deployed to Subscription1 must be prevented from accessing the on-premises network.

You need to recommend a solution to ensure that Appl continues to function after the migration. The solution must meet the security policy.

What should you include in the recommendation?

- A. Azure AD Domain Services (Azure AD DS)
- B. an Azure VPN gateway
- C. the Active Directory Domain Services role on a virtual machine
- D. Azure AD Application Proxy

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/overview>

Azure Active Directory Domain Services (Azure AD DS) provides managed domain services such as domain join, group policy, lightweight directory access protocol (LDAP), and Kerberos/NTLM authentication

Azure AD Domain Services (Azure AD DS) - This one could work since AAD DS will bring in the existing accounts from Azure AD which in turn are synchronised from on-premise AD over AD connect. However, you would probably need to reconfigure the app and update the LDAP connection

Azure Active Directory (Azure AD) supports LDAP Authentication via Azure AD Domain Services (AD DS). <https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/auth-ldap>

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/synchronization>

NEW QUESTION 20

- (Exam Topic 5)

Your company has two on-premises sites in New York and Los Angeles and Azure virtual networks in the East US Azure region and the West US Azure region. Each on-premises site has Azure ExpressRoute circuits to both regions.

You need to recommend a solution that meets the following requirements:

- > Outbound traffic to the Internet from workloads hosted on the virtual networks must be routed through the closest available on-premises site.
- > If an on-premises site fails, traffic from the workloads on the virtual networks to the Internet must reroute automatically to the other site.

What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Routing from the virtual networks to the on-premises locations must be configured by using:	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>Azure default routes</p> <p>Border Gateway Protocol (BGP)</p> <p>User-defined routes</p> </div> </div>
The automatic routing configuration following a failover must be handled by using:	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>Border Gateway Protocol (BGP)</p> <p>Hot Standby Routing Protocol (HSRP)</p> <p>Virtual Router Redundancy Protocol (VRRP)</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

An on-premises network gateway can exchange routes with an Azure virtual network gateway using the border gateway protocol (BGP). Using BGP with an Azure virtual network gateway is dependent on the type you selected when you created the gateway. If the type you selected were: ExpressRoute: You must use BGP to advertise on-premises routes to the Microsoft Edge router. You cannot create user-defined routes to force traffic to the ExpressRoute virtual network gateway if you deploy a virtual network gateway deployed as type: ExpressRoute. You can use user-defined routes for forcing traffic from the Express Route to, for example, a Network Virtual Appliance.

<https://docs.microsoft.com/ja-jp/azure/expressroute/designing-for-disaster-recovery-with-expressroute-privatepe> <https://docs.microsoft.com/en-us/azure/expressroute/expressroute-optimize-routing#suboptimal-routing-from-cu>

NEW QUESTION 24

- (Exam Topic 5)

You need to design an Azure policy that will implement the following functionality:

- For new resources, assign tags and values that match the tags and values of the resource group to which the resources are deployed.
- For existing resources, identify whether the tags and values match the tags and values of the resource group that contains the resources.
- For any non-compliant resources, trigger auto-generated remediation tasks to create missing tags and values. The solution must use the principle of least privilege.

What should you include in the design? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Azure Policy effect to use:	<div style="border: 1px solid gray; padding: 2px;"> <p>Append</p> <p>EnforceOPAConstraint</p> <p>EnforceRegoPolicy</p> <p>Modify</p> </div>
Azure Active Directory (Azure AD) object and RBAC role to use for the remediation tasks:	<div style="border: 1px solid gray; padding: 2px;"> <p>A managed identity with the Contributor role</p> <p>A managed identity with the User Access Administrator role</p> <p>A service principal with the Contributor role</p> <p>A service principal with the User Access Administrator role</p> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, chat or text message Description automatically generated

Box 1: Modify

Modify is used to add, update, or remove properties or tags on a resource during creation or update. A common example is updating tags on resources such as costCenter. Existing non-compliant resources can be remediated with a remediation task. A single Modify rule can have any number of operations.

Box 2: A managed identity with the Contributor role

- > Managed identity

How remediation security works: When Azure Policy runs the template in the deployIfNotExists policy definition, it does so using a managed identity. Azure Policy

creates a managed identity for each assignment, but must have details about what roles to grant the managed identity.

> Contributor role

The Contributor role grants the required access to apply tags to any entity. Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/concepts/effects> <https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

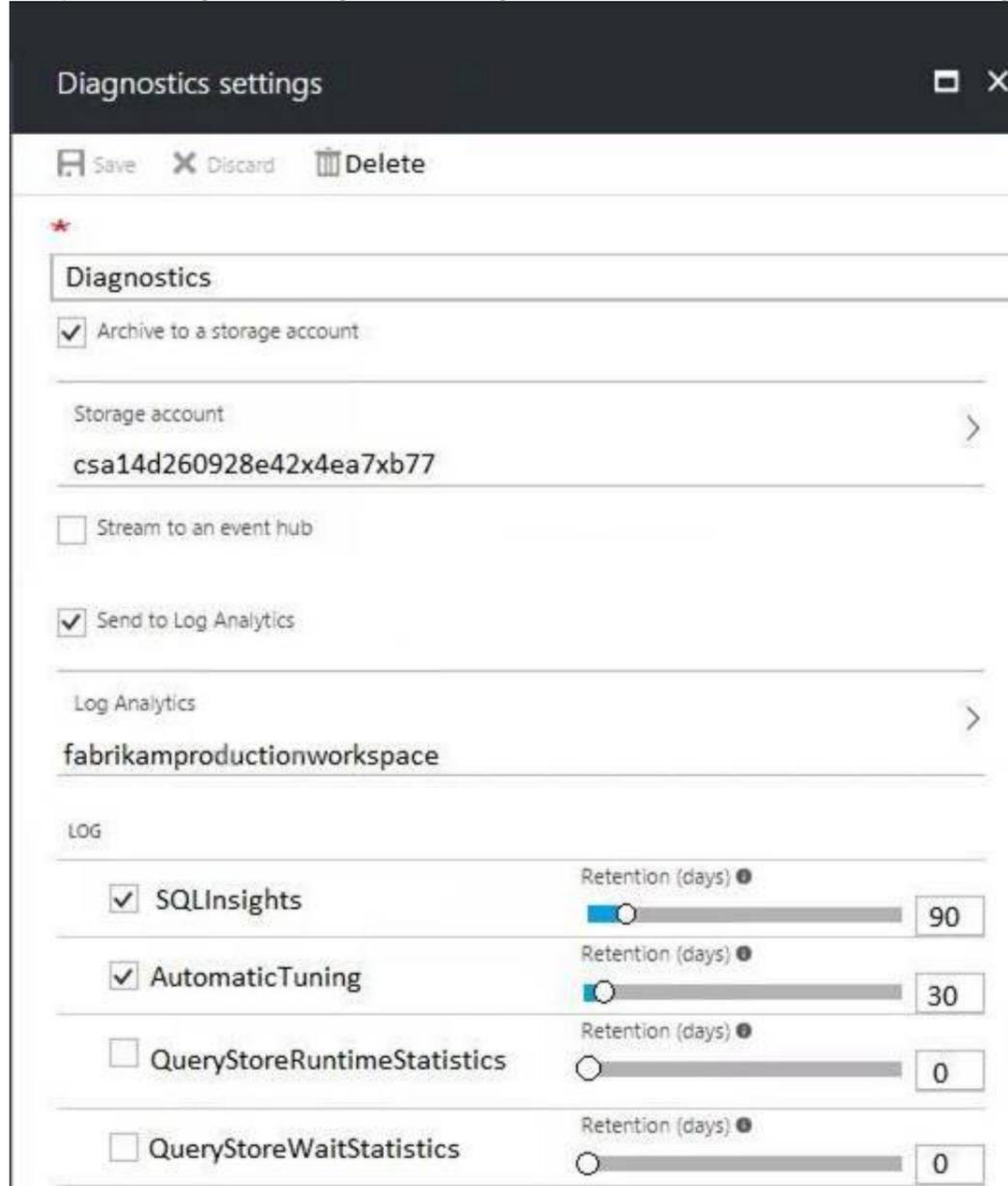
<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-resources> <https://docs.microsoft.com/en-us/azure/governance/policy/concepts/effects#modify>

NEW QUESTION 26

- (Exam Topic 5)

You deploy several Azure SQL Database instances.

You plan to configure the Diagnostics settings on the databases as shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

The amount of time that SQLInsights data will be stored in blob storage is [answer choice].

▼
30 days
90 days
730 days
indefinite

The maximum amount of time that SQLInsights data can be stored in Azure Log Analytics is [answer choice].

▼
30 days
90 days
730 days
indefinite

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated

In the exhibit, the SQLInsights data is configured to be stored in Azure Log Analytics for 90 days. However, the question is asking for the “maximum” amount of time that the data can be stored which is 730 days.

NEW QUESTION 30

- (Exam Topic 5)

You store web access logs data in Azure Blob storage. You plan to generate monthly reports from the access logs.

You need to recommend an automated process to upload the data to Azure SQL Database every month. What should you include in the recommendation?

- A. Azure Data Factory
- B. Data Migration Assistant
- C. Microsoft SQL Server Migration Assistant (SSMA)
- D. AzCopy

Answer: A

Explanation:

Azure Data Factory is the platform that solves such data scenarios. It is the cloud-based ETL and data integration service that allows you to create data-driven workflows for orchestrating data movement and transforming data at scale. Using Azure Data Factory, you can create and schedule data-driven workflows (called pipelines) that can ingest data from disparate data stores. You can build complex ETL processes that transform data visually with data flows or by using compute services such as Azure HDInsight Hadoop, Azure Databricks, and Azure SQL Database.

Reference:

<https://docs.microsoft.com/en-gb/azure/data-factory/introduction>

NEW QUESTION 35

- (Exam Topic 5)

You plan to import data from your on-premises environment to Azure. The data is shown in the following table.

On-premises source	Azure target
A Microsoft SQL Server 2012 database	An Azure SQL database
A table in a Microsoft SQL Server 2014 database	An Azure Cosmos DB account that uses the SQL API

What should you recommend using to migrate the data? To answer, drag the appropriate tools to the correct data sources-Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Tools

- AzCopy
- Azure Cosmos DB Data Migration Tool
- Data Management Gateway
- Data Migration Assistant

Answer Area

From the SQL Server 2012 database:

From the table in the SQL Server 2014 database:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/dms/tutorial-sql-server-to-azure-sql> <https://docs.microsoft.com/en-us/azure/cosmos-db/import-data>

NEW QUESTION 38

- (Exam Topic 5)

You have an on-premises network that uses an IP address space of 172.16.0.0/16. You plan to deploy 25 virtual machines to a new Azure subscription.

You identify the following technical requirements.

- > All Azure virtual machines must be placed on the same subnet subnet1.
- > All the Azure virtual machines must be able to communicate with all on-premises servers.
- > The servers must be able to communicate between the on-premises network and Azure by using a site-to-site VPN.

You need to recommend a subnet design that meets the technical requirements.

What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Network Addresses

- 172.16.0.0/16
- 172.16.1.0/28
- 192.168.0.0/24
- 192.168.1.0/28

Answer Area



Subnet1:



Gateway subnet:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated

NEW QUESTION 41

- (Exam Topic 5)

You plan to deploy an Azure Databricks Data Science & Engineering workspace and ingest data into the workspace. Where should you persist the ingested data?

- A. Azure Files
- B. Azure Data Lake
- C. Azure SQL Database
- D. Azure Cosmos DB

Answer: B

Explanation:

The Azure Databricks Data Science & Engineering data lands in a data lake for long term persisted storage, in Azure Blob Storage or Azure Data Lake Storage.

Reference:

<https://docs.microsoft.com/en-us/azure/databricks/scenarios/what-is-azure-databricks-ws>

NEW QUESTION 43

- (Exam Topic 5)

You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end. The IT apartment at your company recently enabled forced tunneling, Since the configuration change, developers have noticed degraded performance when they access the database You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs What should you include in the recommendation?

- A. Azure SQL Database Managed instance
- B. Azure virtual machines that run Microsoft SQL Server servers
- C. Always On availability groups
- D. virtual network (VNET) service endpoint

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-service-endpoints-overview>

NEW QUESTION 46

- (Exam Topic 5)

You have an Azure subscription that contains a Windows Virtual Desktop tenant.

You need to recommend a solution to meet the following requirements:

- Start and stop Windows Virtual Desktop session hosts based on business hours.
- Scale out Windows Virtual Desktop session hosts when required.
- Minimize compute costs.

What should you include in the recommendation?

- A. Microsoft Intune
- B. a Windows Virtual Desktop automation task
- C. Azure Automation
- D. Azure Service Health

Answer: C

Explanation:

Reference:

<https://www.ciraltos.com/automatically-start-and-stop-wvd-vms-with-azure-automation/> <https://wvdlogix.net/windows-virtual-desktop-host-pool-automation-2>

<https://getnerdio.com/academy/how-to-optimize-windows-virtual-desktop-wvd-azure-costs-with-event-based-au>

NEW QUESTION 49

- (Exam Topic 5)

You have an Azure subscription that contains a storage account.

An application sometimes writes duplicate files to the storage account.

You have a PowerShell script that identifies and deletes duplicate files in the storage account. Currently, the script is run manually after approval from the operations manager.

You need to recommend a serverless solution that performs the following actions:

- Runs the script once an hour to identify whether duplicate files exist
- Processes an email response from the operations manager specifying whether the deletion was approved
- Runs the script if the deletion was approved

What should you include in the recommendation?

- A. Azure Logic Apps and Azure Functions

- B. Azure Pipelines and Azure Service Fabric
- C. Azure Logic Apps and Azure Event Grid
- D. Azure Functions and Azure Batch

Answer: A

Explanation:

You can schedule a powershell script with Azure Logic Apps.

When you want to run code that performs a specific job in your logic apps, you can create your own function by using Azure Functions. This service helps you create Node.js, C#, and F# functions so you don't have to build a complete app or infrastructure to run code. You can also call logic apps from inside Azure functions. Azure Functions provides serverless computing in the cloud and is useful for performing tasks such as these examples:

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-azure-functions>

NEW QUESTION 53

- (Exam Topic 5)

The developers at your company are building a containerized Python Django app.

You need to recommend platform to host the app. The solution must meet the following requirements:

- > Support autoscaling.
- > Support continuous deployment from an Azure Container Registry.
- > Provide built-in functionality to authenticate app users by using Azure Active Directory (Azure AD). Which platform should you include in the recommendation?

- A. Azure Container instances
- B. an Azure App Service instance that uses containers
- C. Azure Kubernetes Service (AKS)

Answer: C

Explanation:

To keep up with application demands in Azure Kubernetes Service (AKS), you may need to adjust the number of nodes that run your workloads. The cluster autoscaler component can watch for pods in your cluster that can't be scheduled because of resource constraints. When issues are detected, the number of nodes in a node pool is increased to meet the application demand.

Azure Container Registry is a private registry for hosting container images. It integrates well with orchestrators like Azure Container Service, including Docker Swarm, DC/OS, and the new Azure Kubernetes service.

Moreover, ACR provides capabilities such as Azure Active Directory-based authentication, webhook support, and delete operations.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler>

<https://medium.com/velotio-perspectives/continuous-deployment-with-azure-kubernetes-service-azurecontainer-registry-jenkins-ca337940151b>

NEW QUESTION 58

- (Exam Topic 5)

You have an Azure subscription.

You need to deploy an Azure Kubernetes Service (AKS) solution that will use Windows Server 2019 nodes. The solution must meet the following requirements:

- Minimize the time it takes to provision compute resources during scale-out operations.
- Support autoscaling of Windows Server containers. Which scaling option should you recommend?

- A. horizontal pod autoscaler
- B. Kubernetes version 1.20.2 or newer
- C. cluster autoscaler
- D. Virtual nodes
- E. with Virtual Kubelet ACI

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler#about-the-cluster-autoscaler>

NEW QUESTION 59

- (Exam Topic 5)

Your company plans to publish APIs for its services by using Azure API Management. You discover that service responses include the ASP.NET-Version header.

You need to recommend a solution to remove ASP.NET-Version from the response of the published APIs. What should you include in the recommendation?

- A. a new product
- B. a modification to the URL scheme
- C. a new policy
- D. a new revision

Answer: C

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/api-management/transform-api>

NEW QUESTION 63

- (Exam Topic 5)

You plan to deploy an app that will use an Azure Storage account.

You need to deploy the storage account. The solution must meet the following requirements:

- Store the data of multiple users.

- Encrypt each user's data by using a separate key.
- Encrypt all the data in the storage account by using Microsoft keys or customer-managed keys. What should you deploy?

- A. files in a general purpose v2 storage account.
- B. blobs in an Azure Data Lake Storage Gen2 account.
- C. files in a premium file share storage account.
- D. blobs in a general purpose v2 storage account

Answer: B

NEW QUESTION 68

- (Exam Topic 5)

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (Azure AD) tenant
East	Sub1, Sub2	East.contoso.com
West	Sub3, Sub4	West.contoso.com

You plan to deploy a custom application to each subscription. The application will contain the following:

- > A resource group
- > An Azure web app
- > Custom role assignments
- > An Azure Cosmos DB account

You need to use Azure Blueprints to deploy the application to each subscription.

What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Management groups:

Blueprint definitions:

Blueprint assignments:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 2

One management group for East, and one for West.

When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have Contributor access to. If the location is a management group, the blueprint is available to assign to any child subscription of that management group.

Box 2: 2

Box 3: 4

One assignment for each subscription.

"Assigning a blueprint definition to a management group means the assignment object exists at the management group. The deployment of artifacts still targets a subscription. To perform a management group assignment, the Create Or Update REST API must be used and the request body must include a value for properties.scope to define the target subscription."

<https://docs.microsoft.com/en-us/azure/governance/blueprints/overview#blueprint-assignment>

NEW QUESTION 69

- (Exam Topic 5)

You have an app that generates 50,000 events daily.

You plan to Stream the events to an Azure event hub and use Event Hubs Capture to implement cold path processing Of the events Output Of Event Hubs Capture will be consumed by a reporting system.

You need to identify which type of Azure storage must be provisioned to support Event Hubs Capture, and which inbound data format the reporting system must support.

What should you identify? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Storage type:

Data format:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Storage type:

Data format:

NEW QUESTION 74

- (Exam Topic 5)

You are designing an order processing system in Azure that will contain the Azure resources shown in the following table.

Name	Type	Purpose
App1	Web app	Processes customer orders
Function1	Function	Check product availability at vendor 1
Function2	Function	Check product availability at vendor 2
storage1	Storage account	Stores order processing logs

The order processing system will have the following transaction flow:

- > A customer will place an order by using App1.
- > When the order is received, App1 will generate a message to check for product availability at vendor 1 and vendor 2.
- > An integration component will process the message, and then trigger either Function1 or Function2 depending on the type of order.
- > Once a vendor confirms the product availability, a status message for App1 will be generated by Function1 or Function2.
- > All the steps of the transaction will be logged to storage1.

Which type of resource should you recommend for the integration component? D18912E1457D5D1DDCDBD40AB3BF70D5D

Which type of resource should you recommend for the integration component?

- A. an Azure Data Factory pipeline
- B. an Azure Service Bus queue
- C. an Azure Event Grid domain
- D. an Azure Event Hubs capture

Answer: A

Explanation:

A data factory can have one or more pipelines. A pipeline is a logical grouping of activities that together perform a task.

The activities in a pipeline define actions to perform on your data.

Data Factory has three groupings of activities: data movement activities, data transformation activities, and control activities.

Azure Functions is now integrated with Azure Data Factory, allowing you to run an Azure function as a step in your data factory pipelines.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities>

NEW QUESTION 75

- (Exam Topic 5)

You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1.

You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:

- Incoming connections to the virtual machines must be authenticated by using Azure Multi-Factor Authentication (MFA) before network connectivity is allowed.
- Incoming connections must use TLS and connect to TCP port 443.
- The solution must support RDP and SSH.

What should you include in the solution? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

To provide access to virtual machines on VNET1, use:

<input type="checkbox"/> Azure Bastion <input type="checkbox"/> Just-in-time (JIT) VM access <input type="checkbox"/> Azure Web Application Firewall (WAF) in Azure Front Door
--

To enforce Azure MFA, use:

<input type="checkbox"/> An Azure Identity Governance access package <input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In <input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management
--

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

To provide access to virtual machines on VNET1, use:

<input type="checkbox"/> Azure Bastion <input checked="" type="checkbox"/> Just-in-time (JIT) VM access <input type="checkbox"/> Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

<input checked="" type="checkbox"/> An Azure Identity Governance access package <input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In <input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

NEW QUESTION 79

- (Exam Topic 5)

You plan to migrate on-premises Microsoft SQL Server databases to Azure.

You need to recommend a deployment and resiliency solution that meets the following requirements:

- > Supports user-initiated backups
- > Supports multiple automatically replicated instances across Azure regions
- > Minimizes administrative effort to implement and maintain business continuity

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

NOTE: Each correct selection is worth one point.

Deployment solution:

<input type="checkbox"/> Azure SQL Managed Instance <input type="checkbox"/> SQL Server on Azure Virtual Machines <input type="checkbox"/> An Azure SQL Database single database
--

Resiliency solution:

<input type="checkbox"/> Auto-failover group <input type="checkbox"/> Active geo-replication <input type="checkbox"/> Zone-redundant deployment

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, chat or text message Description automatically generated

Box 1: An Azure SQL Database single database.

SQL Server Managed instance versus SQL Server Virtual Machines Active geo-replication is not supported by Azure SQL Managed Instance. Box 2: Active geo-replication

Active geo-replication is a feature that lets you to create a continuously synchronized readable secondary database for a primary database. The readable secondary database may be in the same Azure region as the primary, or, more commonly, in a different region. This kind of readable secondary databases are also known as geo-secondaries, or geo-replicas.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-overview>

NEW QUESTION 83

- (Exam Topic 5)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Use the Azure Advisor to analyze the network traffic.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.

Note: Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.

With Advisor, you can:

Get proactive, actionable, and personalized best practices recommendations.

Improve the performance, security, and high availability of your resources, as you identify opportunities to reduce your overall Azure spend.

Get recommendations with proposed actions inline. Reference:

<https://docs.microsoft.com/en-us/azure/advisor/advisor-overview>

NEW QUESTION 87

- (Exam Topic 5)

You are designing an Azure governance solution.

All Azure resources must be easily identifiable based on the following operational information environment, owner, department and cost center

You need to ensure that you can use the operational information when you generate reports for the Azure resources.

What should you include in the solution?

- A. Azure Active Directory (Azure AD) administrative units
- B. an Azure data catalog that uses the Azure REST API as a data source
- C. an Azure policy that enforces tagging rules
- D. an Azure management group that uses parent groups to create a hierarchy

Answer: C

Explanation:

You use Azure Policy to enforce tagging rules and conventions. By creating a policy, you avoid the scenario of resources being deployed to your subscription that don't have the expected tags for your organization. Instead of manually applying tags or searching for resources that aren't compliant, you create a policy that automatically applies the needed tags during deployment.

Note: Organizing cloud-based resources is a crucial task for IT, unless you only have simple deployments. Use naming and tagging standards to organize your resources for these reasons:

Resource management: Your IT teams will need to quickly locate resources associated with specific workloads, environments, ownership groups, or other important information. Organizing resources is critical to assigning organizational roles and access permissions for resource management.

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resource-tagging> <https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies>

NEW QUESTION 91

- (Exam Topic 5)

You plan to automate the deployment of resources to Azure subscriptions.

What is a difference between using Azure Blueprints and Azure Resource Manager (ARM) templates?

- A. ARM templates remain connected to the deployed resources.
- B. Only ARM templates can contain policy definitions.
- C. Blueprints remain connected to the deployed resources.
- D. Only Blueprints can contain policy definitions.

Answer: C

Explanation:

With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved. This connection supports improved tracking and auditing of deployments. Azure Blueprints can also upgrade several subscriptions at once that are governed by the same blueprint.

Reference:

<https://docs.microsoft.com/en-us/answers/questions/26851/how-is-azure-blue-prints-different-from-resource-m.h>

NEW QUESTION 95

- (Exam Topic 5)

You are designing a virtual machine that will run Microsoft SQL Server and will contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.

You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.

Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each policy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Policies

None

ReadOnly

ReadWrite

Answer Area



Log:

Data:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performan>

NEW QUESTION 99

- (Exam Topic 5)

You have an Azure subscription that contains two applications named App1 and App2. App1 is a sales processing application. When a transaction in App1 requires shipping, a message is added to an Azure Storage account queue, and then App2 listens to the queue for relevant transactions. In the future, additional applications will be added that will process some of the shipping requests based on the specific details of the transactions. You need to recommend a replacement for the storage account queue to ensure that each additional application will be able to read the relevant transactions. What should you recommend?

- A. one Azure Service Bus queue
- B. one Azure Service Bus topic
- C. one Azure Data Factory pipeline
- D. multiple storage account queues

Answer: B

Explanation:

A queue allows processing of a message by a single consumer. In contrast to queues, topics and subscriptions provide a one-to-many form of communication in a publish and subscribe pattern. It's useful for scaling to large numbers of recipients. Each published message is made available to each subscription registered with the topic. Publisher sends a message to a topic and one or more subscribers receive a copy of the message, depending on filter rules set on these subscriptions.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics-subscriptions>

NEW QUESTION 101

- (Exam Topic 5)

You have the Free edition of a hybrid Azure Active Directory (Azure AD) tenant. The tenant uses password hash synchronization.

You need to recommend a solution to meet the following requirements:

- > Prevent Active Directory domain user accounts from being locked out as the result of brute force attacks targeting Azure AD user accounts.
- > Block legacy authentication attempts to Azure AD integrated apps.
- > Minimize costs.

What should you recommend for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

To protect against brute force attacks:

- Azure AD Password Protection
- Conditional access policies
- Pass-through authentication
- Smart lockout

To block legacy authentication attempts:

- Azure AD Application Proxy
- Azure AD Password Protection
- Conditional access policies
- Enable Security defaults

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated

Box 1: Smart lockout

Smart lockout helps lock out bad actors that try to guess your users' passwords or use brute-force methods to get in. Smart lockout can recognize sign-ins that come from valid users and treat them differently than ones of attackers and other unknown sources. Attackers get locked out, while your users continue to access their accounts and be productive.

Box 2: Conditional access policies

If your environment is ready to block legacy authentication to improve your tenant's protection, you can accomplish this goal with Conditional Access.

How can you prevent apps using legacy authentication from accessing your tenant's resources? The recommendation is to just block them with a Conditional Access policy. If necessary, you allow only certain users and specific network locations to use apps that are based on legacy authentication.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-password-smart-lockout> <https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/block-legacy-authentication>

NEW QUESTION 105

- (Exam Topic 5)

You configure OAuth2 authorization in API Management as shown in the following exhibit.

Add OAuth2 service ×
API Management service

Display name *
Unique name used to reference this authorization server on t...

Id * ⓘ
✓

Description
Authorization server description

Client registration page URL *
https://contoso.com/register ✓

Authorization grant types

Authorization code

Implicit

Resource owner password

Client credentials

Authorization endpoint URL *

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area

The selected authorization grant type is for [answer choice].

- Background services
- Headless device authentication
- Web applications

To enable custom data in the grant flow, select [answer choice].

- Client credentials
- Resource owner password
- Support state parameter

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

Box 1: Web applications

The Authorization Code Grant Type is used by both web apps and native apps to get an access token after a user authorizes an app.

Note: The Authorization Code grant type is used by confidential and public clients to exchange an authorization code for an access token.

After the user returns to the client via the redirect URL, the application will get the authorization code from the URL and use it to request an access token.

Reference:

<https://developer.okta.com/blog/2018/04/10/oauth-authorization-code-grant-type> <https://connect2id.com/products/server/docs/guides/client-registration>

NEW QUESTION 108

- (Exam Topic 5)

You need to design a storage solution for an app that will store large amounts of frequently used data. The solution must meet the following requirements:

- > Maximize data throughput.
- > Prevent the modification of data for one year.
- > Minimize latency for read and write operations.

Which Azure Storage account type and storage service should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Storage account type:

	▼
BlobStorage	
BlockBlobStorage	
FileStorage	
StorageV2 with Premium performance	
StorageV2 with Standard performance	

Storage service:

	▼
Blob	
File	
Table	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: BlockBlobStorage

Block Blob is a premium storage account type for block blobs and append blobs. Recommended for scenarios with high transactions rates, or scenarios that use smaller objects or require consistently low storage latency.

Box 2: Blob

The Archive tier is an offline tier for storing blob data that is rarely accessed. The Archive tier offers the lowest storage costs, but higher data retrieval costs and latency compared to the online tiers (Hot and Cool). Data must remain in the Archive tier for at least 180 days or be subject to an early deletion charge.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/archive-blob>

NEW QUESTION 111

- (Exam Topic 5)

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:

- Only allow the creation of the virtual machines in specific regions.
- Only allow the creation of specific sizes of virtual machines. What should you include in the recommendation?

- A. Conditional Access policies
- B. role-based access control (RBAC)
- C. Azure Resource Manager (ARM) templates
- D. Azure Policy

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage> <https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/manage/azure-server-management/common>

NEW QUESTION 114

- (Exam Topic 5)

You need to recommend a solution to deploy containers that run an application. The application has two tiers. Each tier is implemented as a separate Docker Linux-based image. The solution must meet the following requirements:

- The front-end tier must be accessible by using a public IP address on port 80.
- The backend tier must be accessible by using port 8080 from the front-end tier only.
- Both containers must be able to access the same Azure file share.
- If a container fails, the application must restart automatically.
- Costs must be minimized.

What should you recommend using to host the application?

- A. Azure Kubernetes Service (AKS)
- B. Azure Service Fabric
- C. Azure Container instances
- D. Azure Container registries

Answer: C

Explanation:

Azure Container Instances enables a layered approach to orchestration, providing all of the scheduling and management capabilities required to run a single container, while allowing orchestrator platforms to manage multi-container tasks on top of it.

Because the underlying infrastructure for container instances is managed by Azure, an orchestrator platform does not need to concern itself with finding an appropriate host machine on which to run a single container.

Azure Container Instances can schedule both Windows and Linux containers with the same API. Orchestration of container instances exclusively

Because they start quickly and bill by the second, an environment based exclusively on Azure Container Instances offers the fastest way to get started and to deal with highly variable workloads.

Reference:

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-overview> <https://docs.microsoft.com/en-us/azure/container-instances/container-instances-orchestrator-relationship>

NEW QUESTION 115

- (Exam Topic 5)

Your on-premises network contains a file server named Server1 that stores 500 GB of data. You need to use Azure Data Factory to copy the data from Server1 to Azure Storage.

You add a new data factory.

What should you do next? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

From Server1: ▼

- Install an Azure File Sync agent
- Install a self-hosted integration runtime
- Install the File Server Resource Manager role service

From the data factory: ▼

- Create a pipeline
- Create an import/export job
- Provision an Azure-SQL Server Integration Services (SSIS) integration runtime

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

Box 1: Install a self-hosted integration runtime

The Integration Runtime is a customer-managed data integration infrastructure used by Azure Data Factory to provide data integration capabilities across different network environments.

Box 2: Create a pipeline

With ADF, existing data processing services can be composed into data pipelines that are highly available and managed in the cloud. These data pipelines can be scheduled to ingest, prepare, transform, analyze, and publish data, and ADF manages and orchestrates the complex data and processing dependencies

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf>

NEW QUESTION 119

- (Exam Topic 5)

Your company deploys several Linux and Windows virtual machines (VMs) to Azure. The VMs are deployed with the Microsoft Dependency Agent and the Microsoft Monitoring Agent installed by using Azure VM extensions. On-premises connectivity has been enabled by using Azure ExpressRoute.

You need to design a solution to monitor the VMs.

Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.

NOTE: Each correct selection is worth one point.

Scenario

Azure Monitoring Service

Analyze Network Security Group (NSG) flow logs for VMs attempting internet access.

	▼
Azure Network Watcher	
Azure ExpressRoute Monitor	
Azure Service Endpoint Monitor	
Azure DNS Analytics	

Visualize the VMs with their different processes and dependencies on other computers and external processes.

	▼
Azure Service Map	
Azure Activity Log	
Azure Service Health	
Azure Advisor	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

Box 1: Azure Network Watcher

Traffic Analytics is a cloud-based solution that provides visibility into user and application activity in cloud networks. Traffic analytics analyzes Network Watcher network security group (NSG) flow logs to provide insights into traffic flow in your Azure cloud. With traffic analytics, you can:

- Identify security threats to, and secure your network, with information such as open-ports, applications attempting internet access, and virtual machines (VM) connecting to rogue networks.
- Visualize network activity across your Azure subscriptions and identify hot spots.
- Understand traffic flow patterns across Azure regions and the internet to optimize your network deployment for performance and capacity.
- Pinpoint network misconfigurations leading to failed connections in your network.

Box 2: Azure Service Map

Service Map automatically discovers application components on Windows and Linux systems and maps the communication between services. With Service Map, you can view your servers in the way that you think of them: as interconnected systems that deliver critical services. Service Map shows connections between servers, processes, inbound and outbound connection latency, and ports across any TCP-connected architecture, with no configuration required other than the installation of an agent.

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics> <https://docs.microsoft.com/en-us/azure/azure-monitor/insights/service-map>

NEW QUESTION 120

- (Exam Topic 5)

You have the resources shown in the following table.

Name	Type
AS1	Azure Synapse Analytics instance
CDB1	Azure Cosmos DB SQL API account

CDB1 hosts a container that stores continuously updated operational data.

You are designing a solution that will use ASI to analyze the operational data daily.

You need to recommend a solution to analyze the data without affecting the performance of the operational data store.

What should you include in the recommendation?

- A. Azure Cosmos DB change feed
- B. Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors
- C. Azure Synapse Analytics with PolyBase data loading
- D. Azure Synapse Link for Azure Cosmos DB

Answer: D

NEW QUESTION 122

- (Exam Topic 4)

What two parameters would you recommend set up to ensure that the new IPSCustomers database will scale to meet the workload demands?

- A. Define the maximum of CPU cores
- B. Define the maximum resource limit per group of databases
- C. Define the maximum of Database Transaction Units
- D. Define the maximum of the allocated storage
- E. Define the maximum size for a database

Answer: CE

NEW QUESTION 125

- (Exam Topic 4)

A company has an on-premises file server cbflserver that runs Windows Server 2019. Windows Admin Center manages this server. The company owns an Azure subscription. You need to provide an Azure solution to prevent data loss if the file server fails.

Solution: You decide to register Windows Admin Center in Azure and then configure Azure Backup. Would this meet the requirement?

- A. Yes
- B. No

Answer: A

NEW QUESTION 128

- (Exam Topic 3)

What should you implement to meet the identity requirements? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Service:

Service:	▼
Azure AD Identity Governance	
Azure AD Identity Protection	
Azure AD Privilege Access Management (PIM)	
Azure Automation	

Feature:

Feature:	▼
Access packages	
Access reviews	
Approvals	
Runbooks	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Requirements: Identity Requirements

Contoso identifies the following requirements for managing Fabrikam access to resources:

Every month, an account manager at Fabrikam must review which Fabrikam users have access permissions to App1. Accounts that no longer need permissions must be removed as guests.

The solution must minimize development effort.

Box 1: The Azure AD Privileged Identity Management (PIM) When should you use access reviews?

Too many users in privileged roles: It's a good idea to check how many users have administrative access, how many of them are Global Administrators, and if there are any invited guests or partners that have not been removed after being assigned to do an administrative task. You can recertify the role assignment users in Azure AD roles such as Global Administrators, or Azure resources roles such as User Access Administrator in the Azure AD Privileged Identity Management (PIM) experience.

Box 2: Access reviews

Azure Active Directory (Azure AD) access reviews enable organizations to efficiently manage group memberships, access to enterprise applications, and role assignments. User's access can be reviewed on a regular basis to make sure only the right people have continued access.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview>

NEW QUESTION 130

- (Exam Topic 2)

You need to recommend a solution to meet the database retention requirement. What should you recommend?

- A. Configure a long-term retention policy for the database.
- B. Configure Azure Site Recovery.
- C. Configure geo replication of the database.
- D. Use automatic Azure SQL Database backups.

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/long-term-retention-overview>

In Azure SQL Database, you can configure a database with a long-term backup retention policy (LTR) to automatically retain the database backups in separate Azure Blob storage containers for up to 10 years

NEW QUESTION 135

- (Exam Topic 2)

You need to recommend a strategy for migrating the database content of WebApp1 to Azure. What should you include in the recommendation?

- A. Use Azure Site Recovery to replicate the SQL servers to Azure.
- B. Use SQL Server transactional replication.
- C. Copy the BACPAC file that contains the Azure SQL database file to Azure Blob storage.
- D. Copy the VHD that contains the Azure SQL database files to Azure Blob storage

Answer: D

Explanation:

Before you upload a Windows virtual machine (VM) from on-premises to Azure, you must prepare the virtual hard disk (VHD or VHDX).

Scenario: WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepare-for-upload-vhd-image>

NEW QUESTION 139

- (Exam Topic 2)

You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should you recommend?

- A. Create a runbook that resizes virtual machines automatically to a smaller size outside of business hours.
- B. Configure the Scale Up settings for a web app.
- C. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
- D. Configure the Scale Out settings for a web app.

Answer: A

NEW QUESTION 143

- (Exam Topic 2)

You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.

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

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input checked="" type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input checked="" type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 145

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