Microsoft

Exam Questions AZ-305

Designing Microsoft Azure Infrastructure Solutions

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NEW QUESTION 1
- (Exam Topic 1)
You plan to migrate DB1 and DB2 to Azure.
You need to ensure that the Azure database and the service tier meet the resiliency and business requirements. What should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Database:
- A single Azure SQL database
- Azure SQL Managed Instance
- An Azure SQL Database elastic pool

Service tier:
- Hyperscale
- Business Critical
- General Purpose

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Database:
- A single Azure SQL database
- Azure SQL Managed Instance
- An Azure SQL Database elastic pool

Service tier:
- Hyperscale
- Business Critical
- General Purpose

NEW QUESTION 2
- (Exam Topic 1)
You plan to migrate App1 to Azure.
You need to estimate the compute costs for App1 in Azure. The solution must meet the security and compliance requirements.
What should you use to estimate the costs, and what should you implement to minimize the costs? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

To estimate the costs, use:
- Azure Advisor
- The Azure Cost Management Power BI app
- The Azure Total Cost of Ownership (TCO) calculator

Implement:
- Azure Reservations
- Azure Hybrid Benefit
- Azure Spot Virtual Machine pricing

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated
Box 1: The Azure Total Cost of Ownership (TCO) Calculator
The Total Cost of Ownership (TCO) Calculator estimates the cost savings you can realize by migrating your workloads to Azure.
Note: The TCO Calculator recommends a set of equivalent services in Azure that will support your applications. Our analysis will show each cost area with an estimate of your on-premises spend versus your spend in Azure. There are several cost categories that either decrease or go away completely when you move workloads to the cloud.
Box 2: Azure Hybrid Benefit
Azure Hybrid Benefit is a licensing benefit that helps you to significantly reduce the costs of running your workloads in the cloud. It works by letting you use your on-premises Software Assurance-enabled Windows Server and SQL Server licenses on Azure. And now, this benefit applies to RedHat and SUSE Linux subscriptions, too.

Scenario:
Litware identifies the following security and compliance requirements:

⟩ Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.

⟩ On-premises users and services must be able to access the Azure Storage account that will host the data in App1.

⟩ Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.

⟩ All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.

⟩ App1 must not share physical hardware with other workloads. Reference:
https://azure.microsoft.com/en-us/pricing/tco/ https://azure.microsoft.com/en-us/pricing/hybrid-benefit/

NEW QUESTION 3
- (Exam Topic 2)
You need to recommend a notification solution for the IT Support distribution group. What should you include in the recommendation?

A. Azure Network Watcher
B. an action group
C. a SendGrid account with advanced reporting
D. Azure AD Connect Health

Answer: D

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-health-operations

NEW QUESTION 4
- (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 5
- (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 6
- (Exam Topic 2)
What should you include in the identity management strategy to support the planned changes?

A. Move all the domain controllers from corp.fabrikam.com to virtual networks in Azure.
B. Deploy domain controllers for corp.fabrikam.com to virtual networks in Azure.
C. Deploy a new Azure AD tenant for the authentication of new R&D projects.
D. Deploy domain controllers for the rd.fabrikam.com forest to virtual networks in Azure.
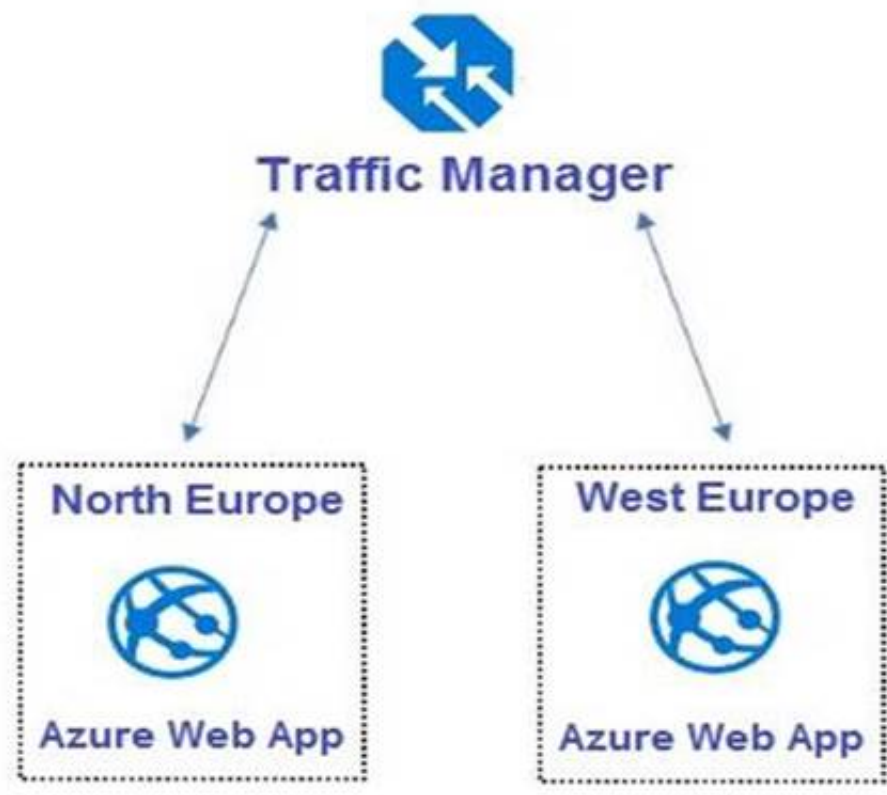
Answer: B

Explanation:
Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network. (This requires domain controllers in Azure)
Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails. (This requires domain controllers on-premises)

NEW QUESTION 7
- (Exam Topic 2)
You design a solution for the web tier of WebApp1 as shown in the exhibit.

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

Statements	Yes	No
The design supports the technical requirements for redundancy.	○	○
The design supports autoscaling.	○	○
The design requires a manual configuration if an Azure region fails.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Any new deployments to Azure must be redundant in case an Azure region fails.
Traffic Manager uses DNS to direct client requests to the most appropriate service endpoint based on a
traffic-routing method and the health of the endpoints. An endpoint is any Internet-facing service hosted inside or outside of Azure. Traffic Manager provides a
range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to
failure, including the failure of an entire Azure region.
Box 2: Yes
Recent changes in Azure brought some significant changes in autoscaling options for Azure Web Apps (i.e. Azure App Service to be precise as scaling happens
on App Service plan level and has effect on all Web Apps running in that App Service plan).
Box 3: No
Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models.
Traffic Manager is resilient to failure, including the failure of an entire Azure region.
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/

NEW QUESTION 8
- (Exam Topic 2)
To meet the authentication requirements of Fabrikam, 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.

Minimum number of Azure AD tenants:

0
1
2
3
4

Minimum number of custom domains to add:

0
1
2
3
4

Minimum number of conditional access policies to create:

0
1
2
3
4

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Minimum number of Azure AD tenants:

0
1
2
3
4

Minimum number of custom domains to add:

0
1
2
3
4

Minimum number of conditional access policies to create:

0
1
2
3
4

NEW QUESTION 9
- (Exam Topic 3)
You need to recommend a solution that meets the data requirements for App1.
What should you recommend deploying to each availability zone that contains an instance of App1?

A. an Azure Cosmos DB that uses multi-region writes
B. an Azure Storage account that uses geo-zone-redundant storage (GZRS)
C. an Azure Data Lake store that uses geo-zone-redundant storage (GZRS)
D. an Azure SQL database that uses active geo-replication

Answer: A

NEW QUESTION 10
- (Exam Topic 3)
What should you recommend lo meet the monitoring requirements for App2?

A. Azure Application Insights
B. Container insights
C. Microsoft Sentinel
D. VM insights

Answer: A

NEW QUESTION 10
- (Exam Topic 3)
You need to recommend an App Service architecture that meets the requirements for Appl. The solution must minimize costs.
What should few recommend?

A. one App Service Environment (ASE) per availability zone
B. one App Service plan per availability zone
C. one App Service plan per region
D. one App Service Environment (ASE) per region

Answer: D

NEW QUESTION 11
- (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:
- Azure AD Identity Governance
- Azure AD Identity Protection
- Azure AD Privilege Access Management (PIM)
- Azure Automation

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 13
- (Exam Topic 3)
You need to recommend a solution that meets the file storage requirements for App2.
What should you deploy to the Azure subscription and the on-premises network? To answer, drag the appropriate services to the correct locations. Each service 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.

Services

| Azure Blob Storage |

| Azure Data Box |

| Azure Data Box Gateway |

| Azure Data Lake Storage |

| Azure File Sync |

| Azure Files |

Answer Area

| Azure subscription: | Service |
| On-premises network: | Service |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, application Description automatically generated
Box 1: Azure Files
Scenario: App2 has the following file storage requirements:

- Save files to an Azure Storage account.

- Replicate files to an on-premises location.

- Ensure that on-premises clients can read the files over the LAN by using the SMB protocol.
Box 2: Azure File Sync
Use Azure File Sync to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server. Azure File Sync transforms Windows Server into a quick cache of your Azure file share. You can use any protocol that's available on Windows Server to access your data locally, including SMB, NFS, and FTPS. You can have as many caches as you need across the world.
Reference:
https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-deployment-guide

NEW QUESTION 14
- (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 16
- (Exam Topic 5)
Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys.
Several departments have the following requests to support the applications:

Department	Request
Security	• Review membership of administrative roles and require to provide a justification for continued membership • Get alerts about changes in administrator assignments. • See a history of administrator activation, including which changes administrators made to Azure resources.
Development	• Enable the applications to access Azure Key Vault and retrieve keys for use in code.
Quality Assurance	• Receive temporary administrator access to create and configure additional Web and API applications in the test environment.

You need to recommend the appropriate Azure service for each department request.
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.

Department	Azure Service

Security
- Azure AD Privileged Identity Management
- Azure AD Managed Service Identity
- Azure AD Connect
- Azure AD Identity Protection

Development
- Azure AD Privileged Identity Management
- Azure AD Managed Service Identity
- Azure AD Connect
- Azure AD Identity Protection

Quality Assurance
- Azure AD Privileged Identity Management
- Azure AD Managed Service Identity
- Azure AD Connect
- Azure AD Identity Protection

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated with medium confidence
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

NEW QUESTION 21
- (Exam Topic 5)
You have an Azure subscription named Subscription1 that is linked to a hybrid Azure Active Directory (Azure AD) tenant.
You have an on-premises datacenter that does NOT have a VPN connection to Subscription1. The datacenter contains a computer named Server1 that has Microsoft SQL Server 2016 installed. Server1 is prevented from accessing the internet.
An Azure logic app named LogicApp1 requires write access to a database on Server1.
You need to recommend a solution to provide LogicApp1 with the ability to access Server1.
What should you recommend deploying on-premises and in Azure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

On-premises:
- A Web Application Proxy for Windows Server
- An Azure AD Application Proxy connector
- An On-premises data gateway
- Hybrid Connection Manager

Azure:
- A connection gateway resource
- An Azure Application Gateway
- An Azure Event Grid domain
- An enterprise application

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
Box 1: An on-premises data gateway
For logic apps in global, multi-tenant Azure that connect to on-premises SQL Server, you need to have the on-premises data gateway installed on a local computer and a data gateway resource that's already created in
Azure.
Box 2: A connection gateway resource Reference:
https://docs.microsoft.com/en-us/azure/connectors/connectors-create-api-sqlazure

NEW QUESTION 22
- (Exam Topic 5)
You have an Azure subscription. The subscription contains an Azure SQL managed instance that stores employee details, including social security numbers and phone numbers.
You need to configure the managed instance to meet the following requirements:
• The helpdesk team must see only the last four digits of an employee's phone number.
• Cloud administrators must be prevented from seeing the employee's social security numbers.
What should you enable tor each column in the managed instance? To answer select the appropriate options in the answer area.
NOTE; Each correct selection is worth one point

Answer Area

Phone numbers: | Dynamic data masking ▼
- Always Encrypted
- Column encryption
- **Dynamic data masking**
- Transparent Data Encryption (TDE)

Social security numbers: | Always Encrypted ▼
- **Always Encrypted**
- Column encryption
- Dynamic data masking
- Transparent Data Encryption (TDE)

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Phone numbers: | Dynamic data masking ▼
- Always Encrypted
- ~~Column encryption~~
- **Dynamic data masking**
- Transparent Data Encryption (TDE)

Social security numbers: | Always Encrypted ▼
- **Always Encrypted**
- Column encryption
- Dynamic data masking
- Transparent Data Encryption (TDE)

NEW QUESTION 24
- (Exam Topic 5)
You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:
• Provide access to the full .NET framework.
• Provide redundancy if an Azure region fails.
• Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead, you should deploy an Azure virtual machine to two Azure regions, and you create a Traffic Manager profile.

NEW QUESTION 25
- (Exam Topic 5)
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
App1	Azure App Service app	None
Workspace1	Log Analytics workspace	Configured to use a pay-as-you-go pricing tier
App1Logs	Log Analytics table	Hosted in Workspace1 Configured to use the Analytics Logs data plan

Log files from App1 are ingested to App 1 Logs. An average of 120 GB of log data is ingested per day. You configure an Azure Monitor alert that will be triggered if the App1 logs contain error messages.
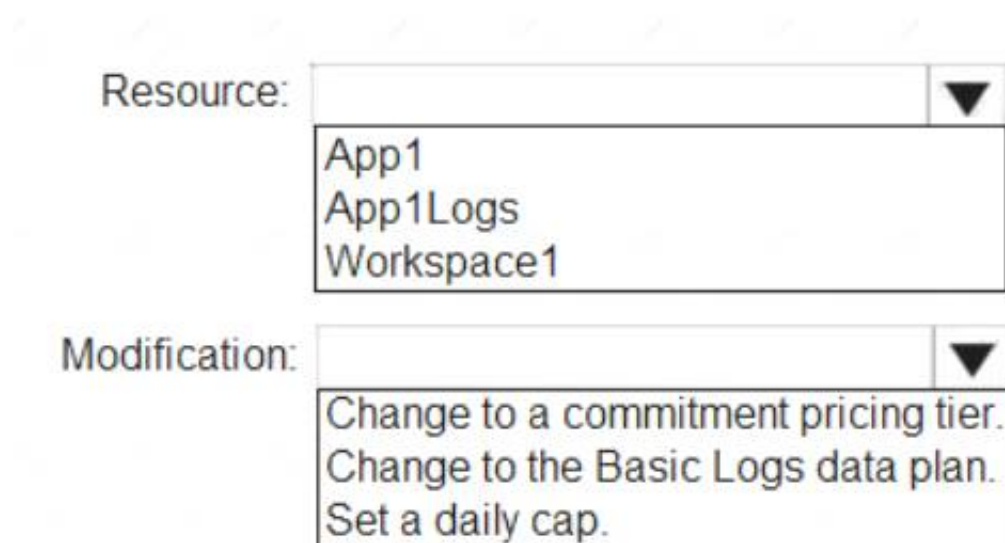You need to minimize the Log Analytics costs associated with App1. The solution must meet the following requirements:

• Ensure that all the log files from App1 are ingested to App 1 Logs.
• Minimize the impact on the Azure Monitor alert.
Which resource should you modify, and which modification should you perform? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Resource:

App1
App1Logs
Workspace1

Modification:

Change to a commitment pricing tier.
Change to the Basic Logs data plan.
Set a daily cap.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
A screenshot of a computer Description automatically generated

NEW QUESTION 26
- (Exam Topic 5)
You have SQL Server on an Azure virtual machine. The databases are written to nightly as part of a batch process.
You need to recommend a disaster recovery solution for the data. The solution must meet the following requirements:

> Provide the ability to recover in the event of a regional outage.

> Support a recovery time objective (RTO) of 15 minutes.

> Support a recovery point objective (RPO) of 24 hours.

> Support automated recovery.

> Minimize costs.
What should you include in the recommendation?

A. Azure virtual machine availability sets
B. Azure Disk Backup
C. an Always On availability group
D. Azure Site Recovery

Answer: D

Explanation:
Replication with Azure Site Recover:

> RTO is typically less than 15 minutes.

> RPO: One hour for application consistency and five minutes for crash consistency. Reference:
https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-sql

NEW QUESTION 27
- (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 29
- (Exam Topic 5)
You are developing an app that will use Azure Functions to process Azure Event Hubs events. Request processing is estimated to take between five and 20 minutes. You need to recommend a hosting solution that meets the following requirements:
• Supports estimates of request processing runtimes
• Supports event-driven autoscaling for the app Which hosting plan should you recommend?

A. Consumption
B. App Service
C. Dedicated
D. Premium

Answer: B

NEW QUESTION 31
- (Exam Topic 5)
You plan provision a High Performance Computing (HPC) cluster in Azure that will use a third-party scheduler.
You need to recommend a solution to provision and manage the HPC cluster node. What should you include in the recommendation?

A. Azure Lighthouse
B. Azure CycleCloud
C. Azure Purview
D. Azure Automation

Answer: B

Explanation:
You can dynamically provision Azure HPC clusters with Azure CycleCloud. Azure CycleCloud is the simplest way to manage HPC workloads.
Note: Azure CycleCloud is an enterprise-friendly tool for orchestrating and managing High Performance Computing (HPC) environments on Azure. With CycleCloud, users can provision infrastructure for HPC systems, deploy familiar HPC schedulers, and automatically scale the infrastructure to run jobs efficiently at any scale. Through CycleCloud, users can create different types of file systems and mount them to the compute cluster nodes to support HPC workloads.
Reference:
https://docs.microsoft.com/en-us/azure/cyclecloud/overview

NEW QUESTION 33
- (Exam Topic 5)
You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:
• Provide access to the full .NET framework.
• Provide redundancy if an Azure region fails.
• Grant administrators access to the operating system to install custom application dependencies.
Solution: You deploy an Azure virtual machine to two Azure regions, and you deploy an Azure Application Gateway.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
You need to deploy two Azure virtual machines to two Azure regions, but also create a Traffic Manager profile.

NEW QUESTION 37
- (Exam Topic 5)
You have an Azure subscription that contains 300 Azure virtual machines that run Windows Server 2016. You need to centrally monitor all warning events in the System logs of the virtual machines.
What should you include in the solutions? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Resource to create in Azure:

An event hub
A Log Analytics workspace
A search service
A storage account

Configuration to perform on the virtual machines:

Create event subscriptions
Configure Continuous delivery
Install the Microsoft Monitoring Agent
Modify the membership of the Event Log Readers Groups

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, email Description automatically generated
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-windows-events https://docs.microsoft.com/en-us/azure/azure-monitor/platform/agent-windows

NEW QUESTION 41
- (Exam Topic 5)
Your company has offices in the United States, Europe, Asia, and Australia.
You have an on-premises app named App1 that uses Azure Table storage. Each office hosts a local instance of App1.
You need to upgrade the storage for App1. The solution must meet the following requirements:
≫ Enable simultaneous write operations in multiple Azure regions.
≫ Ensure that write latency is less than 10 ms.
≫ Support indexing on all columns.
≫ Minimize development effort. Which data platform should you use?

A. Azure SQL Database
B. Azure SQL Managed Instance
C. Azure Cosmos DB
D. Table storage that uses geo-zone-redundant storage (GZRS) replication

Answer: D

Explanation:
Azure Cosmos DB Table API has
≫ Single-digit millisecond latency for reads and writes, backed with <10-ms latency reads and <15-ms latency writes at the 99th percentile, at any scale, anywhere in the world.
≫ Automatic and complete indexing on all properties, no index management.
≫ Turnkey global distribution from one to 30+ regions. Support for automatic and manual failovers at any time, anywhere in the world. Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/table-support

NEW QUESTION 45
- (Exam Topic 5)
You have an Azure subscription.
You need to recommend 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 Kubetet
B. cluster autoscaler
C. virtual nodes
D. horizontal pod autoscaler

Answer: B

Explanation:
https://docs.microsoft.com/en-us/azure/aks/virtual-nodes
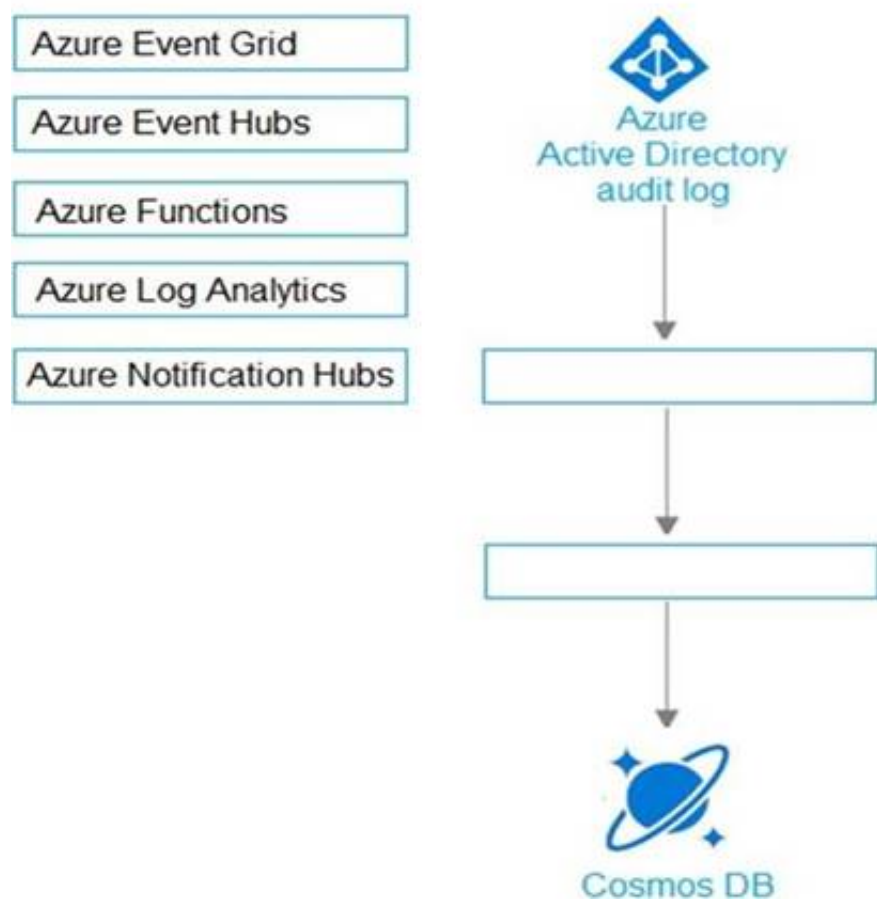
NEW QUESTION 47
- (Exam Topic 5)
You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.
Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Diagram Description automatically generated
* 1. AAD audit log -> Event Hub (other two choices, LAW, storage, but not available in this question) https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/tutorial-azure-monitor-stream-logs-t
* 2. Azure function has the Event hub trigger and Cosmos output binding
* a. Event Hub trigger for function
https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-event-hubs-trigger?tabs=csharp

NEW QUESTION 52
- (Exam Topic 5)
Your company plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL
databases.
The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region.
You need to recommend a solution to meet the regulatory requirement.
Solution: You recommend using an Azure policy to enforce the location of resource groups. Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 56
- (Exam Topic 5)
You have a .NET web service named Service! that performs the following tasks:
• Reads and writes temporary files to the local file system.
• Writes to the Application event log.
You need to recommend a solution to host Service1 in Azure. The solution must meet the following requirements:
• Minimize maintenance overhead.
• Minimize costs.
What should you include in the recommendation?

A. an Azure Functions app
B. an App Service Environment (ASE)
C. an Azure virtual machine scale set
D. an Azure App Service web app

Answer: C

NEW QUESTION 59
- (Exam Topic 5)
You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.
Which storage solution should you recommend for archiving?

A. Ingest the log files into an Azure Log Analytics workspace
B. Use an Azure Blob storage account and a time-based retention policy
C. Use an Azure Blob storage account configured to use the Archive access tier
D. Use an Azure file share that has access control enabled

Answer: B

Explanation:
Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.
Immutable storage supports:
Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage

NEW QUESTION 60
- (Exam Topic 5)
You need to recommend a solution for the App1 maintenance task. The solution must minimize costs. What should you include in the recommendation?

A. an Azure logic app
B. an Azure function
C. an Azure virtual machine
D. an App Service WebJob

Answer: C

Explanation:
https://learn.microsoft.com/en-us/azure/azure-functions/functions-reference-powershell?tabs=portal https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-scheduled-function#create-a-timer-trig

NEW QUESTION 62
- (Exam Topic 5)
Your company deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity.
Several virtual machines exhibit network connectivity issues.
You need to analyze the network traffic to identify whether packets are being allowed or denied from Azure to the virtual machines.
Solution: Install and configure the Azure Monitoring agent and the Dependency Agent on all the virtual machines. Use VM insights in Azure Monitor to analyze the network traffic.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 65
- (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 66
- (Exam Topic 5)
You are designing a storage solution that will ingest, store, and analyze petabytes (PBs) of structured,
semi-structured and unstructured text data. The analyzed data will be offloaded to Azure Data Lake Storage Gen2 for long-term retention.
You need to recommend a storage and analytics solution that meets the following requirements:
• Stores the processed data
• Provides interactive analytics
• Supports manual scaling, built-in autoscaling. and custom autoscaling
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

For storage and interactive analytics: Azure Data Lake Analytics
- Azure Data Explorer
- **Azure Data Lake Analytics**
- Log Analytics

Query language: KQL
- **KQL**
- Transact-SQL
- U-SQL

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

For storage and interactive analytics: Azure Data Lake Analytics
- Azure Data Explorer
- **Azure Data Lake Analytics**
- Log Analytics

Query language: KQL
- **KQL**
- Transact-SQL
- U-SQL

NEW QUESTION 68
- (Exam Topic 5)
You need to design a highly available Azure SQL database that meets the following requirements:
* Failover between replicas of the database must occur without any data loss.
* The database must remain available in the event of a zone outage.
* Costs must be minimized.
Which deployment option should you use?

A. Azure SQL Database Business Critical
B. Azure SQL Database Managed Instance Business Critical
C. Azure SQL Database Serverless
D. Azure SQL Database Premium

Answer: D

Explanation:
General Purpose / Standard prevents data loss through high available storage
https://docs.microsoft.com/en-us/azure/azure-sql/database/service-tier-general-purpose?view=azuresql. This architectural model relies on high availability and reliability of Azure Blob storage that transparently replicates database files and guarantees no data loss if underlying infrastructure failure happens. General Purpose / Standard support Zone Redundancy For General Purpose tier the zone-redundant configuration is Generally Available in the following regions: https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla?view=azuresql&tabs=azure-pow Without any information regarding the usage pattern, serverless is possible. Other option is D https://docs.microsoft.com/en-us/azure/azure-sql/database/serverless-tier-overview?view=azuresql

NEW QUESTION 71
- (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 74
- (Exam Topic 5)
You have an Azure AD tenant that contains a management group named MG1. You have the Azure subscriptions shown in the following table.

Name	Management group
Sub1	MG1
Sub2	MG1
Sub3	Tenant Root Group

The subscriptions contain the resource groups shown in the following table.

Name	Subscription
RG1	Sub1
RG2	Sub2
RG3	Sub3

The subscription contains the Azure AD security groups shown in the following table.

Name	Member of
Group1	Group3
Group2	Group3
Group3	None

The subscription contains the user accounts shown in the following table.

Name	Member of
User1	Group1
User2	Group2
User3	Group1, Group2

You perform the following actions:
• Assign User3 the Contributor role for Sub1.
• Assign Group1 the Virtual Machine Contributor role for MG1.
• Assign Group3 the Contributor role for the Tenant Root Group.
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
User1 can create a new virtual machine in RG1.	○	○
User2 can grant permissions to Group2.	○	○
User3 can create a storage account in RG2.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
User1 can create a new virtual machine in RG1.	○	[○]
User2 can grant permissions to Group2.	[○]	○
User3 can create a storage account in RG2.	[○]	○

NEW QUESTION 75
- (Exam Topic 5)
You have an on-premises Microsoft SQL Server database named SQL1. You plan to migrate SQL 1 to Azure.
You need to recommend a hosting solution for SQL1. The solution must meet the following requirements:
• Support the deployment of multiple secondary, read-only replicas.
• Support automatic replication between primary and secondary replicas.
• Support failover between primary and secondary replicas within a 15-minute recovery time objective (RTO).

Answer Area

Azure service or service tier:

- Azure SQL Database
- Azure SQL Managed Instance
- The Hyperscale service tier

Replication mechanism:

- Active geo-replication
- Auto-failover groups
- Standard geo-replication

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Azure service or service tier:

Azure SQL Database
Azure SQL Managed Instance
The Hyperscale service tier

Replication mechanism:

Active geo-replication
Auto-failover groups
Standard geo-replication

NEW QUESTION 77
- (Exam Topic 5)
You have the Azure resources shown in the following table.

Name	Type	Location
US-Central-Firewall-policy	Azure Firewall policy	Central US
US-East-Firewall-policy	Azure Firewall policy	East US
EU-Firewall-policy	Azure Firewall policy	West Europe
USEastfirewall	Azure Firewall	Central US
USWestfirewall	Azure Firewall	East US
EUFirewall	Azure Firewall	West Europe

You need to deploy a new Azure Firewall policy that will contain mandatory rules for all Azure Firewall deployments. The new policy will be configured as a parent policy for the existing policies.
What is the minimum number of additional Azure Firewall policies you should create?

A. 1
B. 2
C. 3

Answer: B

Explanation:
Firewall policies work across regions and subscriptions. Place all your global configurations in the parent policy.
Note: Policies can be created in a hierarchy. You can create a parent/global policy that will contain configurations and rules that will apply to all/a number of firewall instances. Then you create a child policy that inherits from the parent; note that rules changes in the parent instantly appear in the child. The child is associated with a firewall and applies configurations/rules from the parent policy and the child policy instantly to the firewall.
Reference: https://aidanfinn.com/?p=22006

NEW QUESTION 79
- (Exam Topic 5)
You are designing an Azure web app.
You plan to deploy the web app to the North Europe Azure region and the West Europe Azure region. You need to recommend a solution for the web app. The solution must meet the following requirements:

> Users must always access the web app from the North Europe region, unless the region fails.

> The web app must be available to users if an Azure region is unavailable.

> Deployment costs must be minimized.

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.

Request routing method:

| A Traffic Manager profile |
| Azure Application Gateway |
| Azure Load Balancer |

Request routing configuration:

| Cookie-based session affinity |
| Performance traffic routing |
| Priority traffic routing |
| Weighted traffic routing |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods#priority-traffic-routing

NEW QUESTION 84
- (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 86
- (Exam Topic 5)
You have an Azure subscription. The subscription contains a tiered app named App1 that is distributed across multiple containers hosted in Azure Container Instances.
You need to deploy an Azure Monitor monitoring solution for App1. The solution must meet the following requirements:
• Support using synthetic transaction monitoring to monitor traffic between the App1 components.
• Minimize development effort.
What should you include in the solution?

A. Network Insights
B. Application Insights
C. Container insights
D. Log Analytics Workspace Insights

Answer: B

NEW QUESTION 87
- (Exam Topic 5)
Your company has an Azure Web App that runs via the Premium App Service Plan. A development team will be using the Azure Web App. You have to configure the Azure Web app so that it can fulfil the below requirements.
Provide the ability to switch the web app from the current version to a newer version
Provide developers with the ability to test newer versions of the application before the switch to the newer version occurs
Ensure that the application version can be rolled back Minimize downtime
Which of the following can be used for this requirement?

A. Create a new App Service Plan

B. Make use of deployment slots
C. Map a custom domain
D. Backup the Azure Web App

Answer: B

NEW QUESTION 91
- (Exam Topic 5)
Your company currently has an application that is hosted on their on-premises environment. The application currently connects to two databases in the on-premises environment. The databases are named whizlabdb1 and whizlabdb2.
You have to move the databases onto Azure. The databases have to support server-side transactions across both of the databases.
Solution: You decide to deploy the databases to an Azure SQL database-managed instance. Would this fulfill the requirement?

A. Yes
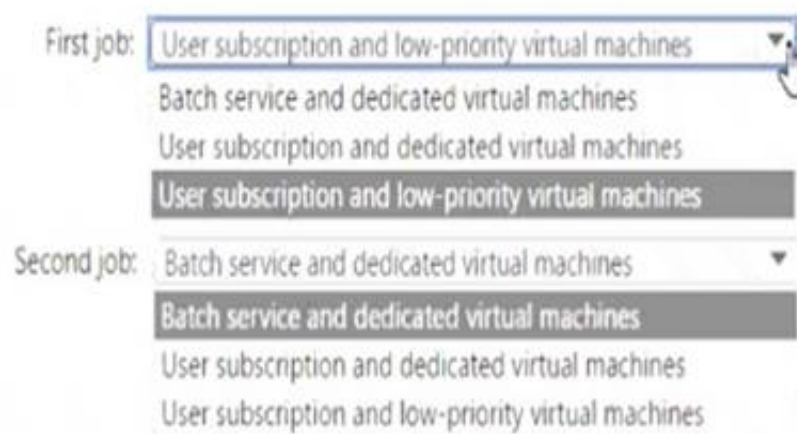B. No

Answer: A

NEW QUESTION 94
- (Exam Topic 5)
You are designing a cost-optimized solution that uses Azure Batch to run two types of jobs on Linux nodes. The first job type will consist of short-running tasks for a development environment. The second job type will consist of long-running Message Passing Interface (MPI) applications for a production environment that requires timely job completion.
You need to recommend the pool type and node type for each job type. The solution must minimize compute charges and leverage Azure Hybrid Benefit whenever possible.
What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

First job: User subscription and low-priority virtual machines ▼
- Batch service and dedicated virtual machines
- User subscription and dedicated virtual machines
- User subscription and low-priority virtual machines

Second job: Batch service and dedicated virtual machines ▼
- Batch service and dedicated virtual machines
- User subscription and dedicated virtual machines
- User subscription and low-priority virtual machines

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated

NEW QUESTION 97
- (Exam Topic 5)
Your company, named Contoso, Ltd., implements several Azure logic apps that have HTTP triggers. The logic apps provide access to an on-premises web service.
Contoso establishes a partnership with another company named Fabrikam. IncL
Fabrikam does not have an existing Azure Active Directory (Azure AD) tenant and uses third-party OAuth 2.0 identity management to authenticate its users.
I Developers at Fabrikam plan to use a subset of the logic apps to build applications that will integrate with the on-premises web service of Contoso.
You need to design a solution to provide the Fabrikam developers with access to the logic apps. The solution must meet the following requirements:
• Requests to the logic apps from the developers must be limited to lower rates than the requests from the users at Contoso.
• The developers must be able to rely on their existing OAuth 2.0 provider to gain access to the logic apps.
• The solution must NOT require changes to the logic apps.
• The solution must NOT use Azure AD guest accounts. What should you include in the solution?

A. Azure AD business-to-business (B2B)
B. Azure AD Application Proxy
C. Azure Front Door
D. Azure API Management

Answer: B

Explanation:
API Management helps organizations publish APIs to external, partner, and internal developers to unlock the potential of their data and services.
You can secure API Management using the OAuth 2.0 client credentials flow. Reference:
https://docs.microsoft.com/en-us/azure/api-management/api-management-key-concepts https://docs.microsoft.com/en-us/azure/api-management/api-management-features https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad#ena

NEW QUESTION 100
- (Exam Topic 5)

You are designing an Azure solution.
The network traffic for the solution must be securely distributed by providing the following features:

- HTTPS protocol
- Round robin routing
- SSL offloading

You need to recommend a load balancing option. What should you recommend?

A. Azure Load Balancer
B. Azure Traffic Manager
C. Azure Internal Load Balancer (ILB)
D. Azure Application Gateway

Answer: D

Explanation:
If you are looking for Transport Layer Security (TLS) protocol termination ("SSL offload") or per-HTTP/HTTPS
request, application-layer processing, review Application Gateway.
Application Gateway is a layer 7 load balancer, which means it works only with web traffic (HTTP, HTTPS, WebSocket, and HTTP/2). It supports capabilities such
as SSL termination, cookie-based session affinity, and round robin for load-balancing traffic. Load Balancer load-balances traffic at layer 4 (TCP or UDP).
References:
https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-faq

NEW QUESTION 102
- (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: B

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 104
- (Exam Topic 5)
You have an Azure subscription that contains the storage accounts shown in the following table.

Name	Type	Performance
storage1	StorageV2	Standard
storage2	SrorageV2	Premium
storage3	BlobStorage	Standard
storage4	FileStorage	Premium

You plan to implement two new apps that have the requirements shown in the following table.

Name	Requirement
App1	Use lifecycle management to migrate app data between storage tiers
App2	Store app data in an Azure file share

Which storage accounts should you recommend using for each app? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

App1:

| Storage1 and storage2 only |
| Storage1 and storage3 only |
| Storage1, storage2, and storage3 only |
| Storage1, storage2, storage3, and storage4 |

App2:

| Storage4 only |
| Storage1 and storage4 only |
| Storage1, storage2, and storage4 only |
| Storage1, storage2, storage3, and storage4 |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview https://www.edureka.co/community/40011/different-storage-accounts-there-major-difference-between https://insidemstech.com/tag/general-purpose-v2/
In conclusion the correct answers are: Box1 --> Storage1 and Storage3 only Box2 --> Storage1 and Storage4 only
https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share?tabs=azure-portal#basics

NEW QUESTION 109
- (Exam Topic 5)
You have an application that is used by 6,000 users to validate their vacation requests. The application manages its own credential
Users must enter a username and password to access the application. The application does NOT support identity providers.
You plan to upgrade the application to use single sign-on (SSO) authentication by using an Azure Active Directory (Azure AD) application registration.
Which SSO method should you use?

A. password-based
B. OpenID Connect
C. header-based
D. SAML

Answer: A

NEW QUESTION 111
- (Exam Topic 5)
Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company's on-premises data center.
•The finance application requires that data be retained for seven years. In the event of a disaster, the
application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes,
• The reporting application must be able to recover point in-time data al a daily granularity. The RTO is eight hours.
•The sales application must be able to fail over to second on-premises data center.
You need to recommend which Azure services meet the business community and disaster recovery objectives. The solution must minimize costs.
What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used owe. More than once not at an You may need to drag the spin bar between panes or scroll 10 view content.

Actions

| Azure Backup only |
| Azure Site Recovery only |
| Azure Site Recovery and Azure Backup |

Answer Area

Sales: [Service or Services]

Finance: [Service or Services]

Reporting: [Service or Services]

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1) Sales: Azure Site Recovery only
2) Finance: Azure Site Recovery and Azure Backup

3) Reporting: Azure Backup only

NEW QUESTION 115
- (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 116
- (Exam Topic 5)
You are planning an Azure solution that will host production databases for a high-performance application. The solution will include the following components:
≫ Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always On availability group.
≫ SQL Server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension)
You identify the storage priorities for various data types as shown in the following table.

Data type	Storage priority
Operating system	Speed and availability
Databases and logs	Speed and availability
Backups	Lowest cost

Which storage type should you recommend for each data type? To answer, drag the appropriate storage types to the correct data types. Each storage type 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.

Storage Types

A geo-redundant storage (GRS) account

A locally-redundant storage (LRS) account

A premium managed disk

A standard managed disk

Answer Area

Operating system:

Databases and logs:

Backups:

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 119
- (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
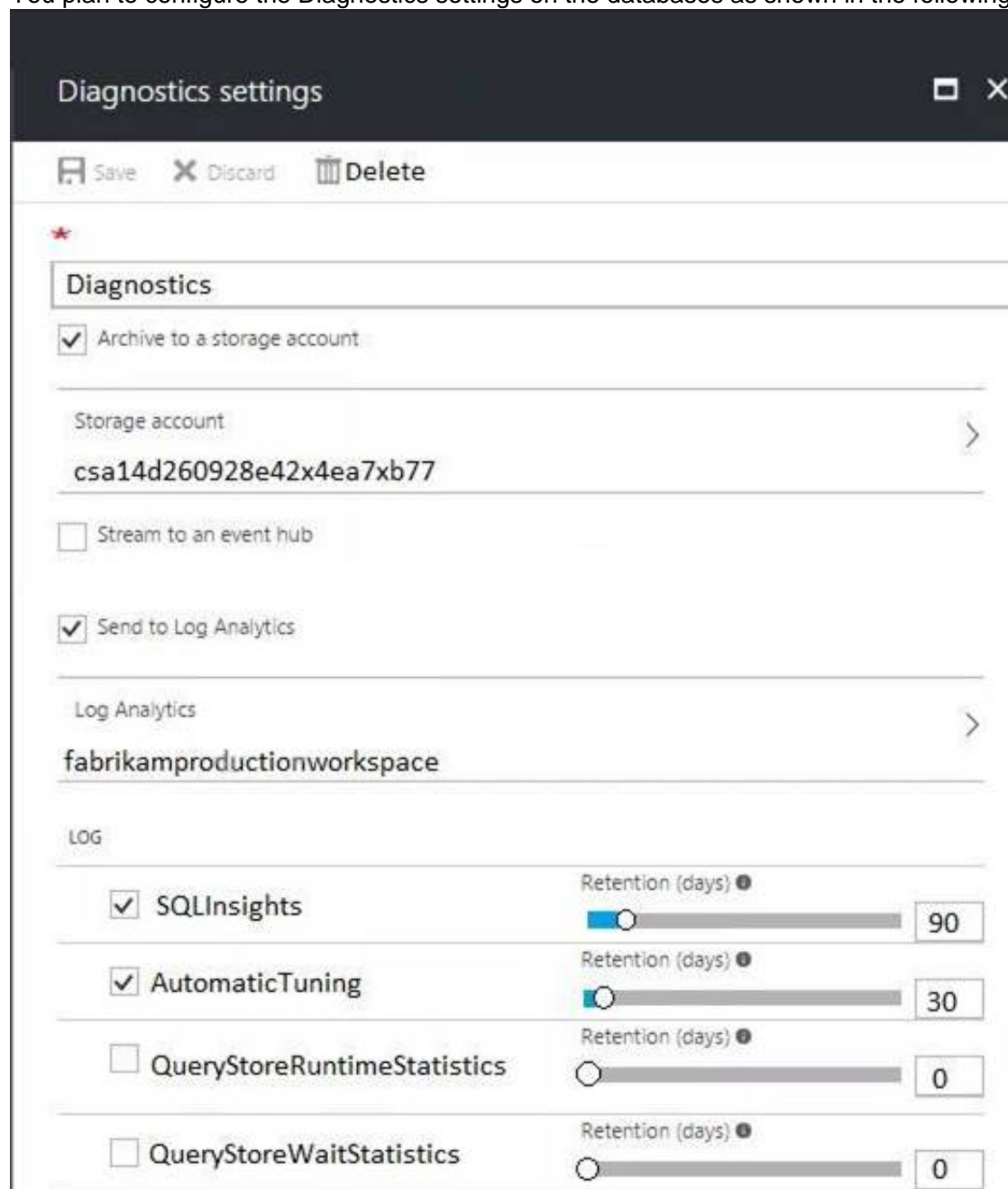References:
https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf

NEW QUESTION 122
- (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 123
- (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 templates?

A. Azure Resource Manager templates remain connected to the deployed resources.
B. Only Azure Resource Manager templates can contain policy definitions.
C. Azure Blueprints remain connected to the deployed resources.
D. Only Azure 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 127
- (Exam Topic 5)
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Kind	Location
storage1	Azure Storage account	Storage	East US
storage2	Azure Storage account	StorageV2	East US
Workspace1	Azure Log Analytics workspace	Not applicable	East US
Workspace2	Azure Log Analytics workspace	Not applicable	East US
Hub1	Azure event hub	Not applicable	East US

You create an Azure SQL database named DB1 that is hosted in the East US region.
To DB1, you add a diagnostic setting named Settings1. Settings1 archives SQLInsights to storage1 and sends SQLInsights to Workspace1.
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selections is worth one point.

Statements	Yes	No
You can add a new diagnostic setting that archives SQLInsights logs to storage2.	○	○
You can add a new diagnostic setting that sends SQLInsights logs to Workspace2.	○	○
You can add a new diagnostic setting that sends SQLInsights logs to Hub1.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Box 2: Yes
Box 3: Yes
For more information on Azure SQL diagnostics , you can visit the below link
https://docs.microsoft.com/en-us/azure/azure-sql/database/metrics-diagnostic-telemetry-logging-streaming-expo

NEW QUESTION 130
- (Exam Topic 5)
You have the Azure resources shown in the following table.

Name	Type	Description
VNET1	Virtual network	Connected to an on-premises network by using ExpressRoute
VM1	Virtual machine	Configured as a DNS server
SQLDB1	Azure SQL Database	Single instance
PE1	Private endpoint	Provides connectivity to SQLDB1
contoso.com	Private DNS zone	Linked to VNET1 and contains an A record for PE1
contoso.com	Public DNS zone	Contains a CNAME record for SQLDB1

You need to design a solution that provides on-premises network connectivity to SQLDB1 through PE1. How should you configure name resolution? To answer, select the appropriate options in the answer area.

Azure configuration:
Configure VM1 to forward contoso.com to the public DNS zone.
Configure VM1 to forward contoso.com to the Azure-provided DNS at 168.63.129.16.
In VNet1, configure a custom DNS server set to the Azure-provided DNS at 168.63.129.16.

On-premises DNS configuration:
Forward contoso.com to VM1.
Forward contoso.com to the public DNS zone.
Forward contoso.com to the Azure-provided DNS at 168.63.129.16.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Azure configuration:
Configure VM1 to forward contoso.com to the public DNS zone.
Configure VM1 to forward contoso.com to the Azure-provided DNS at 168.63.129.16.
In VNet1, configure a custom DNS server set to the Azure-provided DNS at 168.63.129.16.

On-premises DNS configuration:
Forward contoso.com to VM1.
Forward contoso.com to the public DNS zone.
Forward contoso.com to the Azure-provided DNS at 168.63.129.16.

NEW QUESTION 134
- (Exam Topic 5)
You have an on-premises file server that stores 2 TB of data files.
You plan to move the data files to Azure Blob storage in the Central Europe region.
You need to recommend a storage account type to store the data files and a replication solution for the storage account. The solution must meet the following requirements:
≫ Be available if a single Azure datacenter fails.
≫ Support storage tiers.
≫ Minimize cost.
What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Account type:

| Blob storage |
| Storage (general purpose v1) |
| StorageV2 (general purpose v2) |

Replication solution:

| Geo-redundant storage (GRS) |
| Zone-redundant storage (ZRS) |
| Locally-redundant storage (LRS) |
| Read-access geo-redundant storage (RA-GRS) |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
Account Type: StorageV2
Replication solution: Zone-redundant storage (ZRS)

NEW QUESTION 138
- (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 Log Analytics 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 Traffic Analytics / 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 Description automatically generated
Box 1: Azure Traffic Analytics
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.
References:
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 143
- (Exam Topic 5)
You have an Azure subscription. The subscription contains 100 virtual machine that am Windows Server. You need to recommend a solution that will provide monitoring and an audit trail of the following
modifications:
• Changes to the Windows registry on the virtual machines
• Changes to the DNS settings of the virtual machines
The solution must minimize administrative effort.
What should you recommend using for each change? To answer, select the appropriate options in the answer area.
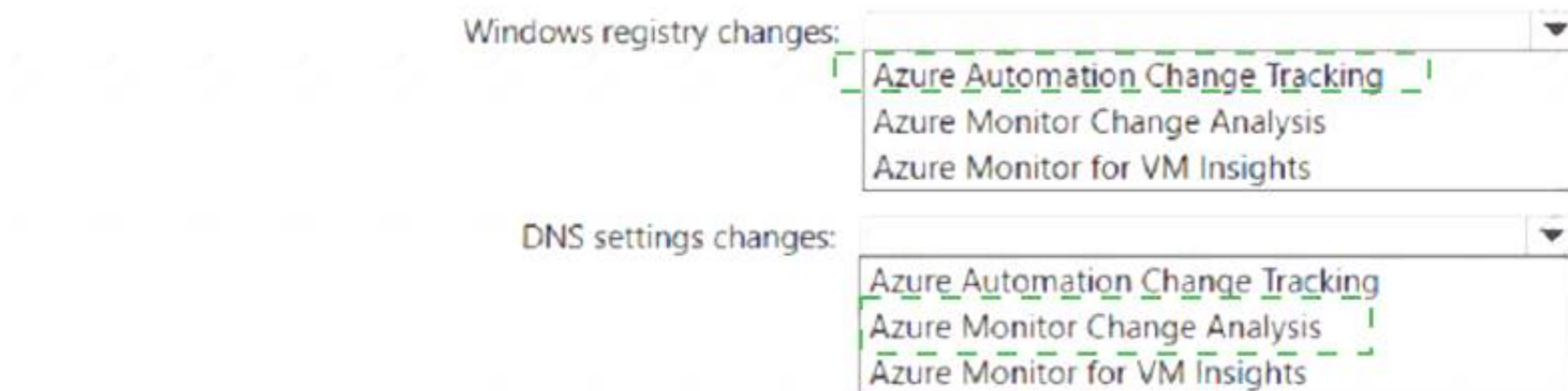NOTE: Each correct selection is worth one point.

Answer Area

Windows registry changes: [▼]
Azure Automation Change Tracking
Azure Monitor Change Analysis
Azure Monitor for VM Insights

DNS settings changes: [▼]
Azure Automation Change Tracking
Azure Monitor Change Analysis
Azure Monitor for VM Insights

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Windows registry changes: [▼]
Azure Automation Change Tracking
Azure Monitor Change Analysis
Azure Monitor for VM Insights

DNS settings changes: [▼]
Azure Automation Change Tracking
Azure Monitor Change Analysis
Azure Monitor for VM Insights

NEW QUESTION 148
- (Exam Topic 5)
You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:
• Provide access to the full .NET framework.
• Provide redundancy if an Azure region fails.
• Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy an Azure virtual machine scale set that uses autoscaling.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead, you should deploy two Azure virtual machines to two Azure regions, and you create a Traffic
Manager profile.

NEW QUESTION 151
- (Exam Topic 5)
You ate designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns. You need to recommend a database platform to host the databases. The solution must meet the following requirements:
• The compute resources allocated to the databases must scale dynamically.
• The solution must meet an SLA of 99.99% uptime.
• The solution must have reserved capacity.
• Compute charges must be minimized.
What should you include in the recommendation?

A. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine
B. 20 instances of Azure SQL Database serverless
C. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine in an availability set

D. an elastic pool that contains 20 Azure SQL databases

Answer: D

Explanation:
Azure SQL Database elastic pools are a simple, cost-effective solution for managing and scaling multiple databases that have varying and unpredictable usage demands. The databases in an elastic pool are on a single server and share a set number of resources at a set price. Elastic pools in Azure SQL Database enable SaaS developers to optimize the price performance for a group of databases within a prescribed budget while delivering performance elasticity for each database. Guaranteed 99.995 percent uptime for SQL Database Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/elastic-pool-overview https://azure.microsoft.com/en-us/pricing/details/sql-database/elastic/
https://www.azure.cn/en-us/support/sla/virtual-machines/
https://techcommunity.microsoft.com/t5/azure-sql/optimize-price-performance-with-compute-auto-scaling-in-az

NEW QUESTION 152
- (Exam Topic 5)
Your company has an app named App1 that uses data from the on-premises Microsoft SQL Server databases shown in the following table.

Name	Size
DB1	450 GB
DB2	250 GB
DB3	300 GB
DB4	50 GB

App1 and the data are used on the first day of the month only. The data is not expected to grow more than 3% each year.
The company is rewriting App1 as an Azure web app and plans to migrate all the data to Azure. You need to migrate the data to Azure SQL Database. The solution must minimize costs. Which service tier should you use?

A. vCore-based Business Critical
B. vCore-based General Purpose
C. DTU-based Standard
D. DTU-based Basic

Answer: C

Explanation:
DTU-based Standard supports databases up to 1 TB in size. Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/service-tiers-dtu

NEW QUESTION 153
- (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 156
- (Exam Topic 5)
You are designing a large Azure environment that will contain many subscriptions. You plan to use Azure Policy as part of a governance solution.
To which three scopes can you assign Azure Policy definitions? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. management groups
B. subscriptions
C. Azure Active Directory (Azure AD) tenants
D. resource groups
E. Azure Active Directory (Azure AD) administrative units
F. compute resources

Answer: ADE

Explanation:
Azure Policy evaluates resources in Azure by comparing the properties of those resources to business rules. Once your business rules have been formed, the policy definition or initiative is assigned to any scope of resources that Azure supports, such as management groups, subscriptions, resource groups, or individual resources.

Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

NEW QUESTION 159
- (Exam Topic 5)
You have an app named App1 that uses two on-premises Microsoft SQL Server databases named DB1 and DB2.
You plan to migrate DB1 and DB2 to Azure.
You need to recommend an Azure solution to host DB1 and DB2. The solution must meet the following requirements:
• Support server-side transactions across DB1 and DB2.
• Minimize administrative effort to update the solution. What should you recommend?

A. two SQL Server databases on an Azure virtual machine
B. two Azure SQL databases on different Azure SQL Database servers
C. two Azure SQL databases in an elastic pool
D. two Azure SQL databases on the same Azure SQL Database managed instance

Answer: D

Explanation:
When both the database management system and client are under the same ownership (e.g. when SQL Server is deployed to a virtual machine), transactions are available and the lock duration can be controlled. Reference: https://docs.particular.net/nservicebus/azure/understanding-transactionality-in-azure

NEW QUESTION 161
- (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 deploys several virtual machines on-premises and to Azure. ExpressRoute is being deployed and configured for on-premises to Azure connectivity. Several virtual machines exhibit network connectivity issues.
You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.
Solution: Use Azure Traffic Analytics in Azure Network Watcher to analyze the network traffic. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead use Azure Network Watcher IP Flow Verify, which allows you to detect traffic filtering issues at a VM level.
Note: IP flow verify checks if a packet is allowed or denied to or from a virtual machine. The information consists of direction, protocol, local IP, remote IP, local port, and remote port. If the packet is denied by a security group, the name of the rule that denied the packet is returned. While any source or destination IP can be chosen, IP flow verify helps administrators quickly diagnose connectivity issues from or to the internet and from or to the on-premises environment.
Reference:
https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics

NEW QUESTION 163
- (Exam Topic 5)
You plan to store data in Azure Blob storage for many years. The stored data will be accessed rarely.
You need to ensure that the data in Blob storage is always available for immediate access. The solution must minimize storage costs.
Which storage tier should you use?

A. Cool
B. Archive
C. Hot

Answer: A

Explanation:
Azure cool tier is equivalent to the Amazon S3 Infrequent Access (S3-IA) storage in AWS that provides a low cost high performance storage for infrequently access data.
Note: Azure's cool storage tier, also known as Azure cool Blob storage, is for infrequently-accessed data that needs to be stored for a minimum of 30 days.
Typical use cases include backing up data before tiering to archival systems, legal data, media files, system audit information, datasets used for big data analysis and more.
The storage cost for this Azure cold storage tier is lower than that of hot storage tier. Since it is expected that the data stored in this tier will be accessed less frequently, the data access charges are high when compared to hot tier. There are no additional changes required in your applications as these tiers can be accessed using APIs in the same manner that you access Azure storage.
References:
https://cloud.netapp.com/blog/low-cost-storage-options-on-azure

NEW QUESTION 164
- (Exam Topic 5)
You have an Azure subscription that contains 50 Azure SQL databases.
You create an Azure Resource Manager (ARM) template named. Template1 that enables Transparent Data Encryption (TDE).
You need to create an Azure Policy definition named Policy1 that will use Template1 to enable IDE for any noncompliant Azure SQL databases.
How should you configure Policy 1? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Set available effects to:

- DepoylfNotExists
- EnforceRegoPolicy
- Modify

Include in the definition:

- The identity required to perform the remediation task
- The scopes of the policy assignments
- The role-based access control (RBAC) roles required to perform the remediation task

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Set available effects to:

- **DepoylfNotExists**
- EnforceRegoPolicy
- Modify

Include in the definition:

- The identity required to perform the remediation task
- The scopes of the policy assignments
- **The role-based access control (RBAC) roles required to perform the remediation task**

NEW QUESTION 165
- (Exam Topic 5)
You have an on-premises named App 1. Customers App1 to manage digital images. You plan to migrate App1 to Azure.
You need to recommend a data storage solution for Appl. The solution must meet the following image storage requirements:

⟩ Encrypt images at rest.

⟩ Allow files up to 50M

Services	Answer Area	
Azure Blob storage	Image storage:	Service
Azure Cosmos DB	Customer accounts:	Service
Azure SQL Database		
Azure Table storage		

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Services	Answer Area	
Azure Blob storage	Image storage:	Azure Blob storage
Azure Cosmos DB	Customer accounts:	Azure SQL Database
Azure SQL Database		
Azure Table storage		

NEW QUESTION 168

- (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 169
- (Exam Topic 5)
You have 100 Microsoft SQL Server integration Services (SSIS) packages that are configured to use 10 on-premises SQL Server databases as their destinations.
You plan to migrate the 10 on-premises databases to Azure SQL Database
You need to recommend a solution to host the SSIS packages in Azure. The solution must ensure that the packages can target the SQL Database instances as their destinations.
What should you include in the recommendation?

A. SQL Server Migration Assistant (SSMA)
B. Azure Data Catalog
C. Data Migration Assistant
D. Azure Data Factory

Answer: C

Explanation:
https://docs.microsoft.com/bs-cyrl-ba/azure/sql-database/sql-database-managed-instance-migrate
Quote from that page "Azure SQL Database and SQL Server databases in an Azure Virtual Machine. DMS is the recommended method of migration for your enterprise workloads.
If you use SQL Server Integration Services (SSIS) on your SQL Server on premises, DMS does not yet support migrating SSIS catalog (SSISDB) that stores SSIS packages, but you can provision Azure-SSIS Integration Runtime (IR) in Azure Data Factory (ADF) that will create a new SSISDB in a managed instance and then you can redeploy your packages to it, see Create Azure-SSIS IR in ADF.
To learn more about this scenario and configuration steps for DMS, see Migrate your on-premises database to managed instance using DMS."
https://docs.microsoft.com/en-us/azure/data-factory/how-to-migrate-ssis-job-ssms

NEW QUESTION 170
- (Exam Topic 5)
You have an Azure web app named App1 and an Azure key vault named KV1. App1 stores database connection strings in KV1.
App1 performs the following types of requests to KV1:

> Get
> List
> Wrap
> Delete
> Unwrap
> Backup
> Decrypt
> Encrypt

You are evaluating the continuity of service for App1.
You need to identify the following if the Azure region that hosts KV1 becomes unavailable:

> To where will KV1 fail over?
> During the failover, which request type will be unavailable?

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

To where will KV1 fail over?

A server in the same Availability Set
A server in the same fault domain
A server in the same paired region
A virtual machine in a scale set

During the failover, which request type will be unavailable?

Backup
Decrypt
Delete
Encrypt
Get
List
Unwrap
Wrap

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated
Box 1: A server in the same paired region
The contents of your key vault are replicated within the region and to a secondary region at least 150 miles away, but within the same geography to maintain high durability of your keys and secrets.
Box 2: Delete
During failover, your key vault is in read-only mode. Requests that are supported in this mode are:

> List certificates
> Get certificates
> List secrets
> Get secrets
> List keys
> Get (properties of) keys
> Encrypt
> Decrypt
> Wrap
> Unwrap
> Verify
> Sign
> Backup

Reference:
https://docs.microsoft.com/en-us/azure/key-vault/general/disaster-recovery-guidance

NEW QUESTION 171
- (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 173
- (Exam Topic 5)
You are developing a multi-tier app named App1 that will be hosted on Azure virtual machines. The peak utilization periods for App1 will be from 8 AM to 9 AM and 4 PM to 5 PM on weekdays.
You need to deploy the infrastructure for App1. The solution must meet the following requirements:
• Support virtual machines deployed to four availability zones across two Azure regions.
• Minimize costs by accumulating CPU credits during periods of low utilization.
What is the minimum number of virtual networks you should deploy, and which virtual machine size should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Number of virtual networks: 2 ▼
1
2
3
4

Virtual machine size: B-Series ▼
A-Series
B-Series
D-Series
M-Series

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Number of virtual networks: 2 ▼
1
2
3
4

Virtual machine size: B-Series ▼
A-Series
B-Series
D-Series
M-Series

NEW QUESTION 175
- (Exam Topic 5)
You plan to deploy multiple instances of an Azure web app across several Azure regions.
You need to design an access solution for the app. The solution must meet the following replication requirements;
• Support rate limiting.
• Balance requests between all instances.
• Ensure that users can access the app in the event of a regional outage. Solution: You use Azure Traffic Manager to provide access to the app. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 180
- (Exam Topic 5)

Your company, named Contoso, Ltd, implements several Azure logic apps that have HTTP triggers: The logic apps provide access to an on-premises web service. Contoso establishes a partnership with another company named Fabrikam, Inc.

Fabrikam does not have an existing Azure Active Directory (Azure AD) tenant and uses third-party OAuth 2.0 identity management to authenticate its users. Developers at Fabrikam plan to use a subset of the logics apps to build applications that will integrate with the on-premises web service of Contoso.

You need to design a solution to provide the Fabrikam developers with access to the logic apps. The solution must meet the following requirements:

- Requests to the logic apps from the developers must be limited to lower rates than the requests from the users at Contoso.
- The developers must be able to rely on their existing OAuth 2.0 provider to gain access to the logic apps.
- The solution must NOT require changes to the logic apps.
- The solution must NOT use Azure AD guest accounts.

What should you include in the solution?

A. Azure AD business-to-business (B2B)
B. Azure Front Door
C. Azure API Management
D. Azure AD Application Proxy

Answer: C

Explanation:
API Management helps organizations publish APIs to external, partner, and internal developers to unlock the potential of their data and services.
You can secure API Management using the OAuth 2.0 client credentials flow. Reference:
https://docs.microsoft.com/en-us/azure/api-management/api-management-key-concepts
https://docs.microsoft.com/en-us/azure/api-management/api-management-features https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad#ena

NEW QUESTION 181
- (Exam Topic 5)
You manage a database environment for a Microsoft Volume Licensing customer named Contoso, Ltd. Contoso uses License Mobility through Software Assurance.

You need to deploy 50 databases. The solution must meet the following requirements:

- Support automatic scaling.
- Minimize Microsoft SQL Server licensing costs.

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.

Purchase model:	▼
DTU	
vCore	
Azure reserved virtual machine instances	

Deployment option:	▼
An Azure SQL managed instance	
An Azure SQL Database elastic pool	
A SQL Server Always On availability group	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text, table Description automatically generated
Box 1: vCore
Virtual core (vCore)-based purchasing model (recommended). This purchasing model provides a choice between a provisioned compute tier and a serverless compute tier. With the provisioned compute tier, you choose the exact amount of compute resources that are always provisioned for your workload. With the serverless compute tier, you specify the autoscaling of the compute resources over a configurable compute range
Box 2: An Azure SQL Database Elastic pool
Azure SQL Database provides the following deployment options for a database:

- Single database represents a fully managed, isolated database.
- Elastic pool is a collection of single databases with a shared set of resources, such as CPU or memory.

Single databases can be moved into and out of an elastic pool.
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/purchasing-models

NEW QUESTION 185
- (Exam Topic 5)
You need to recommend a data storage solution that meets the following requirements:
• Ensures that applications can access the data by using a REST connection
• Hosts 20 independent tables of varying sizes and usage patterns
• Automatically replicates the data to a second Azure region
• Minimizes costs

What should you recommend?

A. an Azure SQL Database elastic pool that uses active geo-replication
B. tables in an Azure Storage account that use read-access geo-redundant storage (RA-GRS)
C. an Azure SQL database that uses active geo-replication
D. tables in an Azure Storage account that use geo-redundant storage (GRS)

Answer: D

NEW QUESTION 190
- (Exam Topic 5)
You have an Azure Active Directory (Azure AD) tenant named contoso.com that has a security group named Group'. Group i is configured Tor assigned membership. Group I has 50 members. including 20 guest users.
You need To recommend a solution for evaluating the member ship of Group1. The solution must meet the following requirements:
• The evaluation must be repeated automatically every three months
• Every member must be able to report whether they need to be in Group1
• Users who report that they do not need to be in Group 1 must be removed from Group1 automatically
• Users who do not report whether they need to be m Group1 must be removed from Group1 automatically. What should you include in me recommendation?

A. implement Azure AU Identity Protection.
B. Change the Membership type of Group1 to Dynamic User.
C. Implement Azure AD Privileged Identity Management.
D. Create an access review.

Answer: D

Explanation:
https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#learn-about-acces
Have reviews recur periodically: You can set up recurring access reviews of users at set frequencies such as weekly, monthly, quarterly or annually, and the reviewers will be notified at the start of each review. Reviewers can approve or deny access with a friendly interface and with the help of smart recommendations.
An administrator creates an access review of Group C with 50 member users and 25 guest users. Makes it a self-review. 50 licenses for each user as self-reviewers.*
https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#example-license-s
There are 4 requirements and every single one is only met by access reviews.
https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#when-should-you
Dynamic User is needed if a user must be automatically granted access on base of its attributes (department, jobtitle, location, etc.)
https://techcommunity.microsoft.com/t5/itops-talk-blog/dynamic-groups-in-azure-ad-and-microsoft-365/ba-p/22
Implementing Azure AD PIM is no solution and absolutely not necessary for access reviews. https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#where-do-you-cre

NEW QUESTION 193
- (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 194
- (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 196
- (Exam Topic 5)
You need to design a highly available Azure SQL database that meets the following requirements:
* Failover between replicas of the database must occur without any data loss.
* The database must remain available in the event of a zone outage.
* Costs must be minimized.
Which deployment option should you use?

A. Azure SQL Database Premium
B. Azure SQL Database Hyperscale
C. Azure SQL Database Basic
D. Azure SQL Managed Instance Business Critical

Answer: D
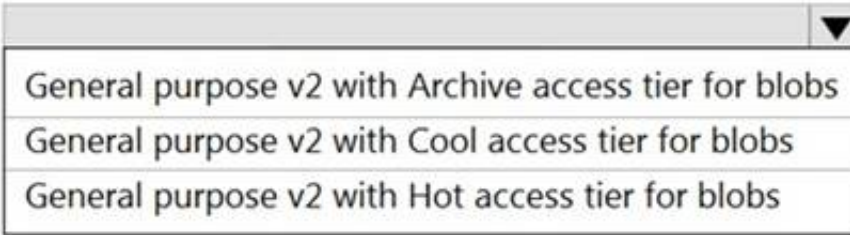

NEW QUESTION 200
- (Exam Topic 5)
You are planning an Azure Storage solution for sensitive data. The data will be accessed daily. The data set is less than 10 GB.
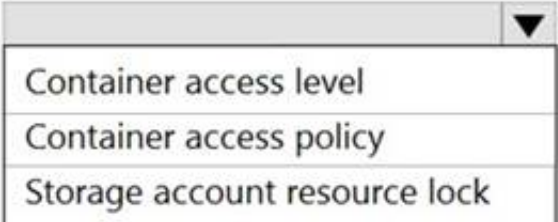You need to recommend a storage solution that meets the following requirements:
• All the data written to storage must be retained for five years.
• Once the data is written, the data can only be read. Modifications and deletion must be prevented.
• After five years, the data can be deleted, but never modified.
• Data access charges must be minimized
What 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:
- General purpose v2 with Archive access tier for blobs
- General purpose v2 with Cool access tier for blobs
- General purpose v2 with Hot access tier for blobs

Configuration to prevent modifications and deletions:
- Container access level
- Container access policy
- Storage account resource lock

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: General purpose v2 with Archive acce3ss tier for blobs

Archive - Optimized for storing data that is rarely accessed and stored for at least 180 days with flexible latency requirements, on the order of hours.
Cool - Optimized for storing data that is infrequently accessed and stored for at least 30 days. Hot - Optimized for storing data that is accessed frequently.
Box 2: Storage account resource lock
As an administrator, you can lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. The lock overrides any permissions the user might have.
Note: You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.

⯈ CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.

⯈ ReadOnly means authorized users can read a resource, but they can't delete or update the resource.

Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers

NEW QUESTION 205
- (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 https://docs.microsoft.com/pl-pl/azure/data-factory/tutorial-hybrid-copy-data-tool
syu31svc 3 months, 4 weeks ago
https://docs.microsoft.com/en-us/azure/data-factory/create-self-hosted-integration-runtime?tabs=data-factory "A self-hosted integration runtime can run copy activities between a cloud data store and a data store in a
private network"
https://docs.microsoft.com/en-us/azure/data-factory/introduction
"With Data Factory, you can use the Copy Activity in a data pipeline to move data from both on-premises and cloud source data stores to a centralization data store in the cloud for further analysis"

NEW QUESTION 209
- (Exam Topic 5)
You architect a solution that calculates 3D geometry from height-map data. You have the following requirements:
Perform calculations in Azure.
Each node must communicate data to every other node.
Maximize the number of nodes to calculate multiple scenes as fast as possible. Require the least amount of effort to implement.
You need to recommend a solution.
Which two actions should you recommend? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Create a render farm that uses Azure Batch.
B. Enable parallel file systems on Azure.
C. Enable parallel task execution on compute nodes.
D. Create a render farm that uses virtual machine (VM) scale sets.
E. Create a render farm that uses virtual machines (VMs).

Answer: AC

NEW QUESTION 214
- (Exam Topic 5)
You have an Azure Functions microservice app named Appl that is hosted in the Consumption plan. App1
uses an Azure Queue Storage trigger.
You plan to migrate App1 to an Azure Kubernetes Service (AKS) cluster.

You need to prepare the AKS cluster to support Appl. The solution must meet the following requirements:
• Use the same scaling mechanism as the current deployment.
• Support kubenet and Azure Container Netwoking Interface (CNI) networking.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct answer is worth one point.

A. Configure the horizontal pod autoscaler.
B. Install Virtual Kubelet.
C. Configure the AKS cluster autoscaler.
D. Configure the virtual node add-on.
E. Install Kubemetes-based Event Driven Autoscaling (KEDA).

Answer: AD

NEW QUESTION 215
- (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 Analysis Services
B. Application Insights
C. Azure Monitor action groups
D. Azure Log Analytics

Answer: D

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 220
- (Exam Topic 5)
You are designing an Azure web app.
You plan to deploy the web app to the North Europe Azure region and the West Europe Azure region. You need to recommend a solution for the web app. The solution must meet the following requirements:

≫ Users must always access the web app from the North Europe region, unless the region fails.

≫ The web app must be available to users if an Azure region is unavailable.

≫ Deployment costs must be minimized.

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.

Request routing method:
- A Traffic Manager profile
- Azure Application Gateway
- Azure Load Balancer

Request routing configuration:
- Cookie-based session affinity
- Performance traffic routing
- Priority traffic routing
- Weighted traffic routing

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods#priority-traffic-routing

NEW QUESTION 224

- (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.
You plan to deploy multiple instances of an Azure web app across several Azure regions.
You need to design an access solution for the app. The solution must meet the following replication requirements:

≫ Support rate limiting.

≫ Balance requests between all instances.

≫ Ensure that users can access the app in the event of a regional outage. Solution: You use Azure Application Gateway to provide access to the app. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 228
- (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? D18912E1457D5D1DDCBD40AB3BF70D5D
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 231
- (Exam Topic 5)
You have an Azure subscription that contains multiple storage accounts. You assign Azure Policy definitions to the storage accounts.
You need to recommend a solution to meet the following requirements:
• Trigger on-demand Azure Policy compliance scans.
• Raise Azure Monitor non-compliance alerts by querying logs collected by Log Analytics.
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.

Answer Area

To trigger the compliance scans, use: The Azure Command-Line Interface (CLI) ▼
An Azure template
The Azure Command-Line Interface (CLI)
The Azure portal

To generate the non-compliance alerts, configure diagnostic settings for the: Log Analytics workspace ▼
Azure activity logs
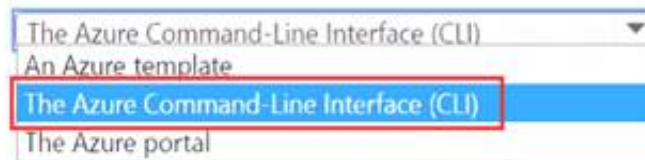Log Analytics workspace
Storage accounts

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

To trigger the compliance scans, use: | The Azure Command-Line Interface (CLI) ▼
An Azure template
The Azure Command-Line Interface (CLI)
The Azure portal

To generate the non-compliance alerts, configure diagnostic settings for the: | Log Analytics workspace ▼
Azure activity logs
Log Analytics workspace
Storage accounts

NEW QUESTION 236
- (Exam Topic 5)
You are designing a microservices architecture that will support a web application.
The solution must meet the following requirements:

≫ Allow independent upgrades to each microservice

≫ Deploy the solution on-premises and to Azure

≫ Set policies for performing automatic repairs to the microservices

≫ Support low-latency and hyper-scale operations
You need to recommend a technology. What should you recommend?

A. Azure Service Fabric
B. Azure Container Service
C. Azure Container Instance
D. Azure Virtual Machine Scale Set

Answer: A

Explanation:
https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-overview

NEW QUESTION 240
- (Exam Topic 5)
Your company has 300 virtual machines hosted in a VMware environment. The virtual machines vary in size and have various utilization levels.
You plan to move all the virtual machines to Azure.
You need to recommend how many and what size Azure virtual machines will be required to move the current workloads to Azure. The solution must minimize administrative effort.
What should you use to make the recommendation?

A. Azure Cost Management
B. Azure Pricing calculator
C. Azure Migrate
D. Azure Advisor

Answer: C

Explanation:
https://docs.microsoft.com/en-us/azure/migrate/migrate-appliance#collected-data---vmware
"Metadata discovered by the Azure Migrate appliance helps you to figure out whether servers are ready for migration to Azure, right-size servers, plans costs, and analyze application dependencies".
https://docs.microsoft.com/en-us/learn/modules/design-your-migration-to-azure/2-plan-your-azure-migration

NEW QUESTION 242
- (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 plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.
The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region.
You need to recommend a solution to meet the regulatory requirement.
Solution: You recommend using an Azure policy to enforce the resource group location. Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.
Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

NEW QUESTION 247
- (Exam Topic 5)
You have an Azure subscription.
Your on-premises network contains a file server named Server1. Server 1 stores 5 TB of company files that are accessed rarely.
You plan to copy the files to Azure Storage.
You need to implement a storage solution for the files that meets the following requirements:
• The files must be available within 24 hours of being requested.
• Storage costs must be minimized.
Which two possible storage solutions achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Create a general-purpose v1 storage accoun
B. Create a blob container and copy the files to the blob container.
C. Create a general-purpose v2 storage account that is configured for the Hot default access tie
D. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.
E. Create a general-purpose v1 storage accoun
F. Create a file share in the storage account and copy the files to the file share.
G. Create a general-purpose v2 storage account that is configured for the Cool default access tie
H. Create a file share in the storage account and copy the files to the file share.
I. Create an Azure Blob storage account that is configured for the Cool default access tie
J. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.

Answer: BE

Explanation:
https://docs.microsoft.com/en-us/azure/storage/blobs/manage-access-tier?tabs=portal

NEW QUESTION 249
- (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.
You have an Azure Storage account that contains two 1-GB data files named File1 and File2. The data files are set to use the archive access tier.
You need to ensure that File1 is accessible immediately when a retrieval request is initiated. Solution: For File1, you set Access tier to Cool.
Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
The data in the cool tier is "considered / intended to be stored for 30 days". But this is not a must. You can store data indefinitely in the cool tier. The mentioned reference (see below) even gives an example of large scientific or otherwise large data which is stored for long duration in the cool tier.
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers?tabs=azure-portal

NEW QUESTION 253
- (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 .	○	○
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.	○	○
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
A screenshot of a computer Description automatically generated with medium confidence

NEW QUESTION 257
- (Exam Topic 5)
You plan to deploy a network-intensive application to several Azure virtual machines. You need to recommend a solution that meets the following requirements:

➢ Minimizes the use of the virtual machine processors to transfer data

➢ Minimizes network latency
Which virtual machine size and feature should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Virtual machine size:
Compute optimized Standard_F8s
General purpose Standard_B8ms
High performance compute Standard_H16r
Memory optimized Standard_E16s_v3

Feature:
Receive side scaling (RSS)
Remote Direct Memory Access (RDMA)
Single root I/O virtualization (SR-IOV)
Virtual Machine Multi-Queue (VMMQ)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series

NEW QUESTION 258
- (Exam Topic 5)
You plan to create an Azure Storage account that will host file shares. The shares will be accessed from on-premises applications that are transaction-intensive. You need to recommend a solution to minimize latency when accessing the file shares. The solution must provide the highest-level of resiliency for the selected storage tier.
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.

Storage tier:
Hot
Premium
Transaction optimized

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Premium
Premium: Premium file shares are backed by solid-state drives (SSDs) and provide consistent high performance and low latency, within single-digit milliseconds for most IO operations, for IO-intensive workloads.
Box 2: Zone-redundant storage (ZRS):
Premium Azure file shares only support LRS and ZRS.
Zone-redundant storage (ZRS): With ZRS, three copies of each file stored, however these copies are physically isolated in three distinct storage clusters in different Azure availability zones.
Reference:
https://docs.microsoft.com/en-us/azure/storage/files/storage-files-planning

NEW QUESTION 260
- (Exam Topic 5)
You need to implement the Azure RBAC role assignment. The solution must meet the authentication and authorization requirements.
How many assignment should you configure for the Network Contributor role for Role1? To answer, select appropriate in the answer area.
NOTE:

A. Mastered
B. Not Mastered

Answer: A

Explanation:
A screenshot of a computer Description automatically generated with medium confidence

NEW QUESTION 263
- (Exam Topic 5)
Your company deploys an Azure App Service Web App.
During testing the application fails under load. The application cannot handle more than 100 concurrent user sessions. You enable the Always On feature. You also configure auto-scaling to increase counts from two to 10 based on HTTP queue length.
You need to improve the performance of the application.
Which solution should you use for each application scenario? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text Description automatically generated with medium confidence
Box 1: Content Delivery Network

A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.

Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For example, route optimization to bypass Border Gateway Protocol (BGP).

Box 2: Azure Redis Cache

Azure Cache for Redis is based on the popular software Redis. It is typically used as a cache to improve the performance and scalability of systems that rely heavily on backend data-stores. Performance is improved by temporarily copying frequently accessed data to fast storage located close to the application. With Azure Cache for Redis, this fast storage is located in-memory with Azure Cache for Redis instead of being loaded from disk by a database.

References:

https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-overview

NEW QUESTION 268

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