Microsoft

Exam Questions AZ-305

Designing Microsoft Azure Infrastructure Solutions

NEW QUESTION 1
- (Exam Topic 1)
You migrate App1 to Azure. You need to ensure that the data storage for App1 meets the security and compliance requirement
What should you do?

A. Create an access policy for the blob
B. Modify the access level of the blob service.
C. Implement Azure resource locks.
D. Create Azure RBAC assignments.

Answer: A

Explanation:
Scenario: 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.
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.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

NEW QUESTION 2
- (Exam Topic 1)
You need to implement the Azure RBAC role assignments for the Network Contributor role. The solution must meet the authentication and authorization requirements.
What is the minimum number of assignments that you must use?

A. 1
B. 2
C. 5
D. 10
E. 15

Answer: A

Explanation:
Scenario: The Network Contributor built-in RBAC role must be used to grant permissions to the network administrators for all the virtual networks in all the Azure subscriptions.
RBAC roles must be applied at the highest level possible.

NEW QUESTION 3
- (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.

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

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

Answer: A

Explanation:
https://docs.microsoft.com/en-us/azure/azure-sql/database/long-term-retention-overview
In Azure SQL Database, you can configure a database with a long-term backup retention policy (LTR) to automatically retain the database backups in separate Azure Blob storage containers for up to 10 years

NEW QUESTION 7
- (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 8
- (Exam Topic 2)
You need to recommend a data storage strategy for WebApp1. What should you include in in the recommendation?

A. an Azure SQL Database elastic pool
B. a vCore-based Azure SQL database

C. an Azure virtual machine that runs SQL Server
D. a fixed-size DTU AzureSQL database.

Answer: B

NEW QUESTION 9
- (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.

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 10
- (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 10
- (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 15
- (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 17
- (Exam Topic 3)
You need to recommend a solution that meets the application development requirements. What should you include in the recommendation?

A. the Azure App Configuration service
B. Continuous Integration/Continuous Deployment (CI/CD) sources
C. deployment slots
D. an Azure Container Registry instance

Answer: C

NEW QUESTION 18
- (Exam Topic 4)
A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application
Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data
Give the ability to visualize the relationships between application components
Give the ability to track requests and exceptions to specific lines of code from within the application Give the ability to actually analyse how uses return to an application and see how often they only select a particular drop-down value
Which of the following service would be best suited for fulfilling the requirement of
"Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data"

A. Azure Application Insights
B. Azure Service Map
C. Azure Log Analytics
D. Azure Activity Log

Answer: C

NEW QUESTION 19
- (Exam Topic 4)
A company has an on-premises file server cbflserver that runs Windows Server 2019. Windows Admin Center manages this server. The company owns an Azure subscription. You need to provide an Azure solution to prevent data loss if the file server fails.
Solution: You decide to register Windows Admin Center in Azure and then configure Azure Backup. Would this meet the requirement?

A. Yes
B. No

Answer: A

NEW QUESTION 24
- (Exam Topic 4)
A company has an on-premises file server cbflserver that runs Windows Server 2019. Windows Admin Center manages this server. The company owns an Azure subscription. You need to provide an Azure solution to prevent data loss if the file server fails.
Solution: You decide to create an Azure Recovery Services vault. You then decide to install the Azure Backup agent and then schedule the backup. Would this meet the requirement?

A. Yes
B. No

Answer: A

NEW QUESTION 26
- (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 28
- (Exam Topic 5)
You have an on-premises application named App1 that uses an Oracle database.
You plan to use Azure Databricks to transform and load data from App1 to an Azure Synapse Analytics
instance.
You need to ensure that the App1 data is available to Databricks.
Which two Azure services should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Azure Data Box Edge
B. Azure Data Lake Storage
C. Azure Data Factory
D. Azure Data Box Gateway
E. Azure Import/Export service

Answer: CE

NEW QUESTION 32
- (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 33
- (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 37
- (Exam Topic 5)
You plan to use Azure SQL as a database platform.
You need to recommend an Azure SQL product and service tier that meets the following requirements:
• Automatically scales compute resources based on the workload demand
• Provides per second billing
What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

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

Service tier: Business Critical ▼
- Basic
- Business Critical
- General Purpose
- Hyperscale
- Standard
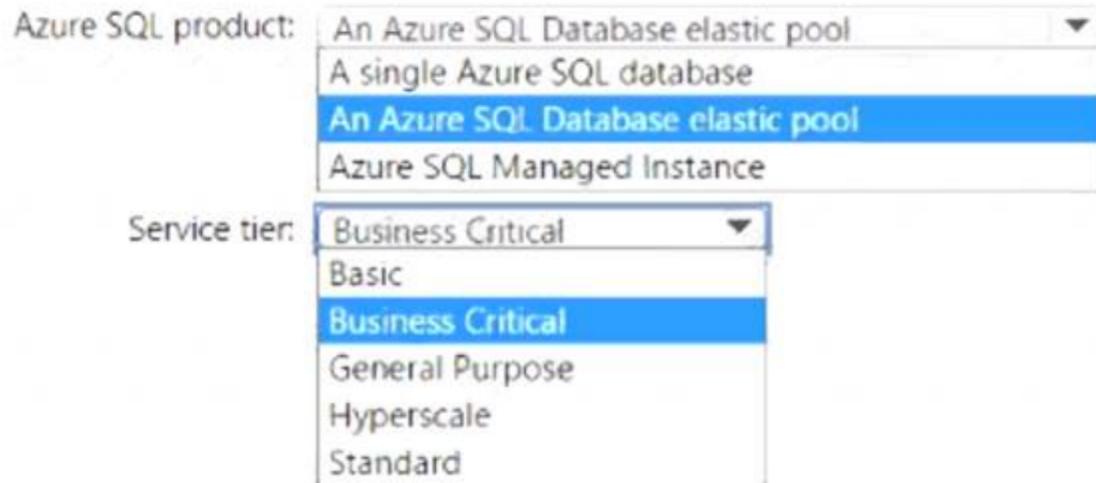
A. Mastered
B. Not Mastered

Answer: A

Explanation:
A screenshot of a computer Description automatically generated
"Serverless is a compute tier for single databases in Azure SQL Database that automatically scales compute based on workload demand and bills for the amount of compute used per second. The serverless compute tier is available in the General Purpose service tier and currently in preview in the Hyperscale service tier."
https://learn.microsoft.com/en-us/azure/azure-sql/database/serverless-tier-overview

NEW QUESTION 40
- (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
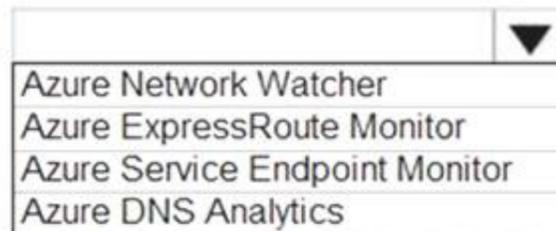
Visualize the VMs with their different processes and dependencies on other computers and external processes. ▼
- Azure Service Map
- Azure Activity Log
- Azure Service Health
- Azure Advisor

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 44

- (Exam Topic 5)

You are designing an app that will be hosted on Azure virtual machines that run Ubuntu. The app will use a third-party email service to send email messages to users. The third-party email service requires that the app authenticate by using an API key.

You need to recommend an Azure Key Vault solution for storing and accessing the API key. The solution must minimize administrative effort.

What should you recommend using to store and access the key? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.
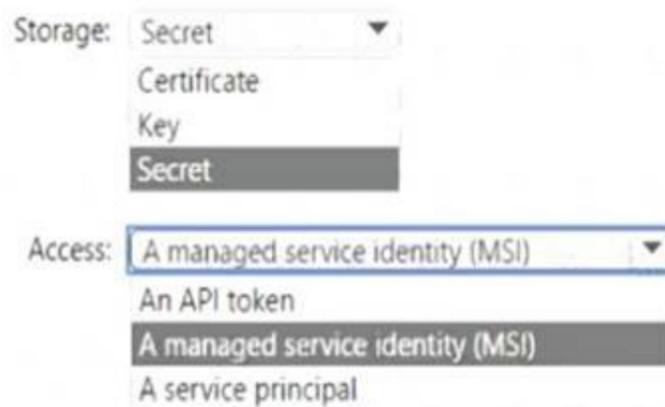
Answer Area

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer Area

NEW QUESTION 46

- (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 51
- (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 55
- (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.

Azure Services   **Answer Area**

Azure Event Grid
Azure Event Hubs
Azure Functions
Azure Log Analytics
Azure Notification Hubs

Azure Active Directory audit log
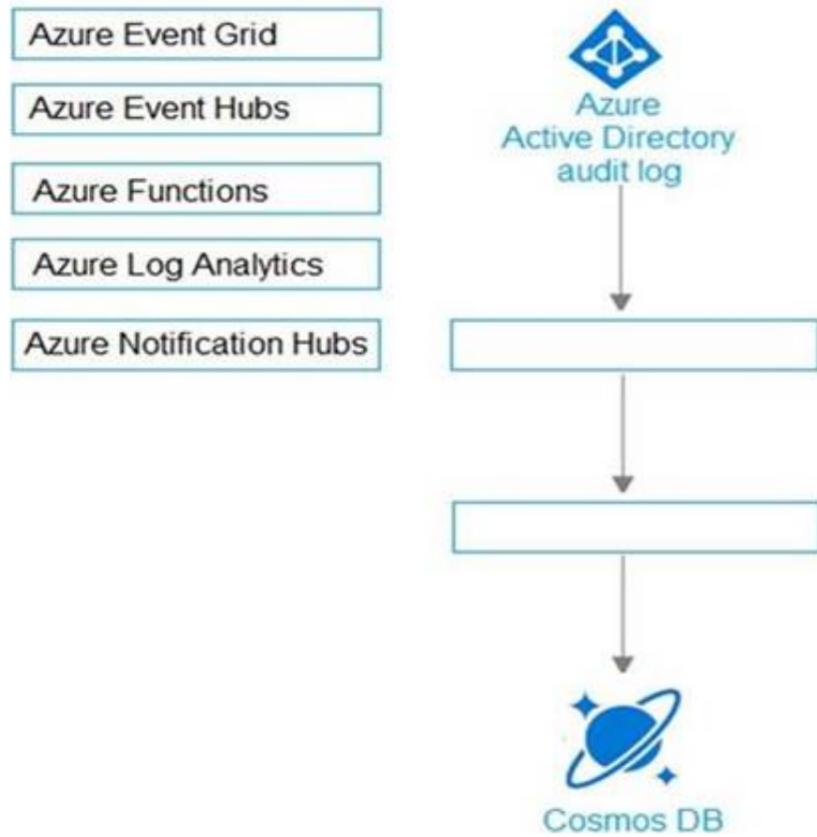
Cosmos DB

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 56
- (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 61
- (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 63
- (Exam Topic 5)
You plan to import data from your on-premises environment to Azure. The data Is shown in the following table.

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

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

NOTE: Each correct selection is worth one point.

Tools

AzCopy

Azure Cosmos DB Data Migration Tool

Data Management Gateway

Data Migration Assistant

Answer Area

From the SQL Server 2012 database: | Tool |

From the table in the SQL Server 2014 database: | Tool |

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 64
- (Exam Topic 5)
You have an Azure virtual machine named VM1 that runs Windows Server 2019 and contains 500 GB of data files.
You are designing a solution that will use Azure Data Factory to transform the data files, and then load the files to Azure Data Lake Storage
What should you deploy on VM1 to support the design?

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

Answer: A

NEW QUESTION 65
- (Exam Topic 5)
You have an Azure App Service web app that uses a system-assigned managed identity.
You need to recommend a solution to store their settings of the web app as secrets in an Azure key vault The solution must meet the following requirements:
• Minimize changes to the app code,
• Use the principle of least privilege.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.

Answer Area

Key Vault integration method:

Key Vault references in Application settings
Key Vault references in Appsettings.json
Key Vault references in Web.config
Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get
Keys: List and Get
Secrets: Get
Secrets: List and Get

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Key Vault integration method:

Key Vault references in Application settings
Key Vault references in Appsettings.json
Key Vault references in Web.config
Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get
Keys: List and Get
Secrets: Get
Secrets: List and Get

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)
A company has an existing web application that runs on virtual machines (VMs) in Azure.
You need to ensure that the application is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruption to the code for the existing web application.
What should you recommend? To answer, drag the appropriate values to the correct items. Each value 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.

Values

Web Application Firewall (WAF)
Azure Application Gateway
Azure Load Balancer
Azure Traffic Manager
SSL offloading
URL-based content routing

Answer Area

Item	Value
Azure service	
Feature	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: Azure Application Gateway
Azure Application Gateway provides an application delivery controller (ADC) as a service. It offers various layer 7 load-balancing capabilities for your applications.
Box 2: Web Application Firwewall (WAF)

Application Gateway web application firewall (WAF) protects web applications from common vulnerabilities and exploits.
This is done through rules that are defined based on the OWASP core rule sets 3.0 or 2.2.9.
There are rules that detects SQL injection attacks. References:
https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-faq https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview

NEW QUESTION 73
- (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
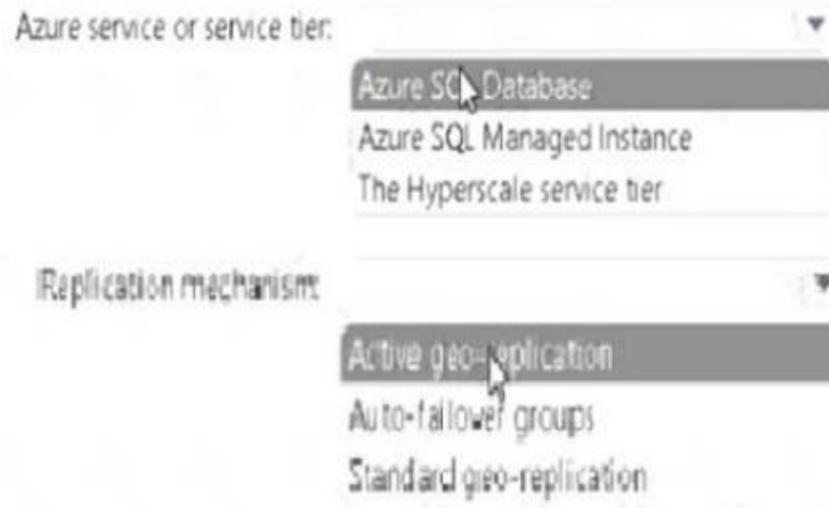
NEW QUESTION 78
- (Exam Topic 5)
You are designing a virtual machine that will run Microsoft SQL Server and will contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.
You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.
Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each policy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Policies

None

ReadOnly

ReadWrite

Answer Area

Log: Policy

Data: Policy

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, application Description automatically generated
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performan

NEW QUESTION 79
- (Exam Topic 5)
You have an Azure subscription that contains 10 web apps. The apps are integrated with Azure AD and are accessed by users on different project teams.
The users frequently move between projects.
You need to recommend an access management solution for the web apps. The solution must meet the following requirements:
• The users must only have access to the app of the project to which they are assigned currently.
• Project managers must verify which users have access to their project s app and remove users that are no longer assigned to their project.
• Once every 30 days, the project managers must be prompted automatically to verify which users are assigned to the projects.
What should you include in the recommendation?

A. Microsoft Defender for Identity
B. Azure AD Identity Governance
C. Microsoft Entra Permissions Management
D. Azure AD Identity Protection

Answer: B

NEW QUESTION 80
- (Exam Topic 5)
You configure OAuth2 authorization in API Management 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.

Answer Area

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

Background services
Headless device authentication
Web applications

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

Client credentials
Resource owner password
Support state parameter

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, email Description automatically generated
Box 1: Web applications
The Authorization Code Grant Type is used by both web apps and native apps to get an access token after a user authorizes an app.
Note: The Authorization Code grant type is used by confidential and public clients to exchange an authorization code for an access token.
After the user returns to the client via the redirect URL, the application will get the authorization code from the URL and use it to request an access token.
Reference:
https://developer.okta.com/blog/2018/04/10/oauth-authorization-code-grant-type https://connect2id.com/products/server/docs/guides/client-registration

NEW QUESTION 84
- (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 86
- (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 91
- (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 92
- (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 94
- (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 97
- (Exam Topic 5)
Your company plans to publish APIs for its services by using Azure API Management. You discover that service responses include the AspNet-Version header.
You need to recommend a solution to remove AspNet-Version from the response of the published APIs. What should you include in the recommendation?

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

Answer: C

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/api-management/transform-api

NEW QUESTION 99
- (Exam Topic 5)
You have a multi-tier app named Appl and an Azure SQL database named SQL l. The backend service Of Appl writes data to Users use the Appl client to read the data from SQL 1.
During periods of high utilization the users experience delays retrieving the data. You need to minimize how long it takes for data requests.
What should you include in the solution?

A. Azure Synapse Analytics
B. Azure Content Delivery Network (CON)
C. Azure Data Factory
D. Azure Cache for Redis

Answer: D

NEW QUESTION 101
- (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 104
- (Exam Topic 5)
Your company has 20 web APIs that were developed in-house.
The company is developing 10 web apps that will use the web APIs. The web apps and the APIs are registered in the company s Azure AD tenant. The web APIs are published by using Azure API Management.
You need to recommend a solution to block unauthorized requests originating from the web apps from reaching the web APIs. The solution must meet the following requirements:
• Use Azure AD-generated claims.
• Minimize configuration and management effort
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.
NOTE: Each correct selection is worth one point.

Answer Area

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text Description automatically generated with medium confidence

NEW QUESTION 109
- (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 112
- (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 115
- (Exam Topic 5)
You plan to deploy an Azure web app named Appl that will use Azure Active Directory (Azure AD) authentication.
App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.
You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.
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.

The users can connect to App1 without being prompted for authentication:	An Azure AD app registration
	An Azure AD managed identity
	Azure AD Application Proxy

The users can access App1 only from company-owned computers:	A conditional access policy
	An Azure AD administrative unit
	Azure Application Gateway
	Azure Blueprints
	Azure Policy

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
Box 1: An Azure AD app registration
Azure active directory (AD) provides cloud based directory and identity management services.You can use azure AD to manage users of your application and authenticate access to your applications using azure active directory.
You register your application with Azure active directory tenant. Box 2: A conditional access policy
Conditional Access policies at their simplest are if-then statements, if a user wants to access a resource, then they must complete an action.
By using Conditional Access policies, you can apply the right access controls when needed to keep your organization secure and stay out of your user's way when not needed.
Timeline Description automatically generated
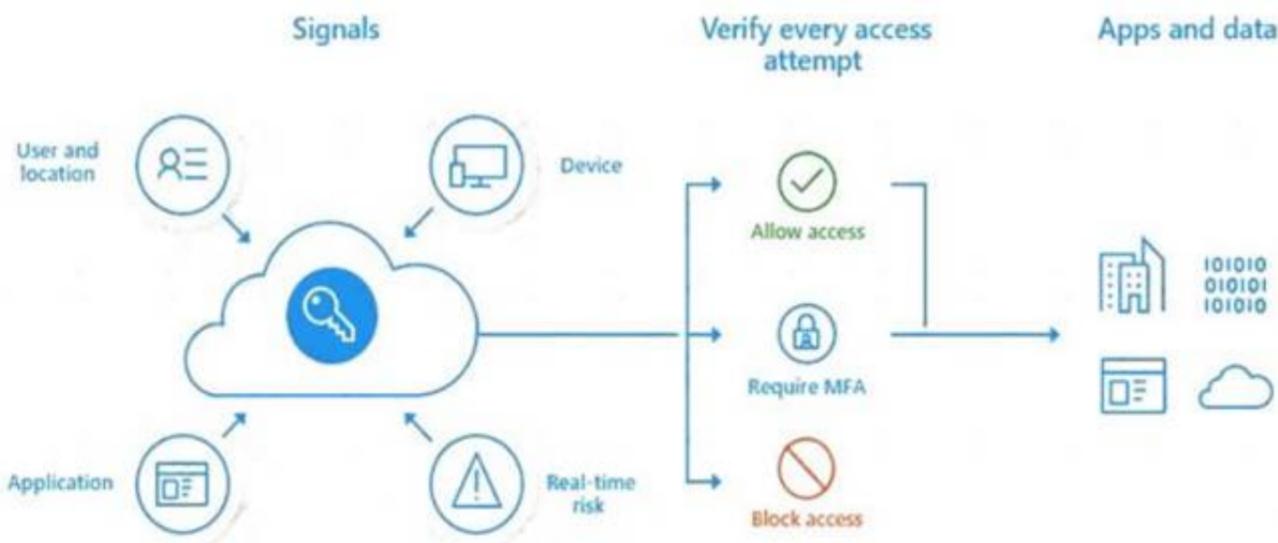
Reference:
https://codingcanvas.com/using-azure-active-directory-authentication-in-your-web-application/ https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview https://docs.microsoft.com/en-us/powerapps/developer/data-platform/walkthrough-register-app-azure-active-dire "After consenting to use their Dataverse account with the ISV's application, end users can connect to
Dataverse environment from external application. The consent form is not displayed again to other users after the first user who has already consented to use the ISV's app. Apps registered in Azure Active Directory are multi-tenant, which implies that other Dataverse users from other tenant can connect to their environment using the ISV's app."

NEW QUESTION 120
- (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 124
- (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 126
- (Exam Topic 5)
You have an app that generates 50,000 events daily.
You plan to Stream the events to an Azure event hub and use Event Hubs Capture to implement cold path processing Of the events Output Of Event Hubs Capture will be consumed by a reporting system.
You reed to identify which type of Azure storage must be provisioned to support Event Hubs Capture, and which inbound data format the reporting system must support.
What should you identity? To answer. select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Storage type:

- Azure Data Lake Storage Gen2
- Premium block blobs
- Premium file shares

Data format:

- Apache Parquet
- Avro
- **JSON**

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Storage type:

- Azure Data Lake Storage Gen2
- Premium block blobs _ I
- Premium file shares

Data format:

- Apache Parquet
- Avro
- **JSON**

NEW QUESTION 131
- (Exam Topic 5)
You need to deploy an instance of SQL Server on Azure Virtual Machines. The solution must meet the following requirements:
• Support 15.000 disk IOPS.
• Support SR-IOV.
• Minimize 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.

Answer Area

Virtual machine series: NC
- DS
- **NC**
- NV

Disk type: Premium SSD
- Standard SSD
- **Premium SSD**
- Ultra Disk

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Virtual machine series: NC
- DS
- **NC**
- NV

Disk type: Premium SSD
- Standard SSD
- **Premium SSD**
- Ultra Disk

NEW QUESTION 136

- (Exam Topic 5)
You have to design a Data Engineering solution for your company. The company currently has an Azure subscription. They also have application data hosted in a database on a Microsoft SQL Server hosted in their on-premises data center server. They want to implement the following requirements Transfer transactional data from the on-premises SQL server onto a data warehouse in Azure. Data needs to be transferred every day in the night as a scheduled job
A managed Spark cluster needs to be in place for data engineers to perform analysis on the data stored in the SQL data warehouse. Here the data engineers should have the ability to develop notebooks in Scale, R and Python.
They also need to have a data lake store in place for the ingestion of data from multiple data sources Which of the following would the use for hosting the data warehouse in Azure?

A. Azure Data Factory
B. Azure Databricks
C. Azure Data Lake Gen2 Storage accounts
D. Azure Synapse Analytics

Answer: D

NEW QUESTION 139
- (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 143
- (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 147
- (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 148
- (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 153
- (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 156
- (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 157
- (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 162
- (Exam Topic 5)
You have an on-premises app named App1. Customers use 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 50 MB.
• Manage access to the images by using Azure Web Application Firewall (WAF) on Azure Front Door. The solution must meet the following customer account requirements:
• Support automatic scale out of the storage.
• Maintain the availability of App1 if a datacenter fails.
• Support reading and writing data from multiple Azure regions.
Which service should you include in the recommendation for each type of data? To answer, drag the appropriate services to the correct type of data. 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	Answer Area
Azure Blob storage	Image storage: [ ]
Azure Cosmos DB	Customer accounts: [ ]
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 Cosmos DB
Azure SQL Database	
Azure Table storage	

NEW QUESTION 165
- (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 170
- (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 172
- (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 173
- (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 the Azure virtual machines to the on-premises virtual machines.
Solution: Use Azure Advisor. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 177
- (Exam Topic 5)
You have an on-premises database that you plan to migrate to Azure.
You need to design the database architecture to meet the following requirements:

≫ Support scaling up and down.

≫ Support geo-redundant backups.

≫ Support a database of up to 75 TB.

≫ Be optimized for online transaction processing (OLTP).
What should you include in the design? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Service:
- Azure SQL Database
- Azure SQL Managed Instance
- Azure Synapse Analytics
- SQL Server on Azure Virtual Machines

Service tier:
- Basic
- Business Critical
- General Purpose
- Hyperscale
- Premium
- Standard

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Azure SQL Database Azure SQL Database:
Database size always depends on the underlying service tiers (e.g. Basic, Business Critical, Hyperscale). It supports databases of up to 100 TB with Hyperscale service tier model.
Active geo-replication is a feature that lets you to create a continuously synchronized readable secondary database for a primary database. The readable secondary database may be in the same Azure region as the primary, or, more commonly, in a different region. This kind of readable secondary databases are also known as geo-secondaries, or geo-replicas.
Azure SQL Database and SQL Managed Instance enable you to dynamically add more resources to your database with minimal downtime.
Box 2: Hyperscale Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-overview https://medium.com/awesome-azure/azure-difference-between-azure-sql-database-and-sql-server-on-vm-compar

NEW QUESTION 179
- (Exam Topic 5)
You plan to move a web application named App! from an on-premises data center to Azure.
App1 depends on a custom COM component that is installed on the host server.
You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

≫ App1 must be available to users if an Azure data center becomes unavailable.

≫ Costs must be minimized.
What should you include in the recommendation?

A. In two Azure regions, deploy a load balancer and a virtual machine scale set.
B. In two Azure regions, deploy a Traffic Manager profile and a web app.
C. In two Azure regions, deploy a load balancer and a web app.
D. Deploy a load balancer and a virtual machine scale set across two availability zones.

Answer: D

Explanation:
(https://docs.microsoft.com/en-us/dotnet/azure/migration/app-service#com-and-com-components)
Azure App Service does not allow the registration of COM components on the platform. If your app makes use of any COM components, these need to be rewritten in managed code and deployed with the site or application. https://docs.microsoft.com/en-us/dotnet/azure/migration/app-service
"Azure App Service with Windows Containers If your app cannot be migrated directly to App Service, consider App Service using Windows Containers, which enables usage of the GAC, COM components, MSIs, full access to .NET FX APIs, DirectX, and more."

NEW QUESTION 184
- (Exam Topic 5)
You are developing a sates application that will contain several Azure cloud services and handle different
components of a transaction. Different cloud services will process customer orders, billing, payment inventory, and shipping.
You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using XML messages.
What should you include in the recommendation?

A. Azure Data Lake
B. Azure Notification Hubs
C. Azure Queue Storage
D. Azure Service Fabric

Answer: C

NEW QUESTION 189
- (Exam Topic 5)
You have five .NET Core applications that run on 10 Azure virtual machines in the same subscription.
You need to recommend a solution to ensure that the applications can authenticate by using the same Azure Active Directory (Azure AD) identity. The solution must meet the following requirements:

≫ Ensure that the applications can authenticate only when running on the 10 virtual machines.

≫ Minimize administrative effort.
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.

To provision the Azure AD identity: ▼

Create a system-assigned Managed Service Identity
Create a user-assigned Managed Service Identity
Register each application in Azure AD

To authenticate request a token by using: ▼

An Azure AD v1.0 endpoint
An Azure AD v2.0 endpoint
An Azure Instance Metadata Service Identity
OAuth2 endpoint

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 192
- (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 195
- (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 200
- (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 201
- (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 203
- (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 204
- (Exam Topic 5)
Your network contains an on-premises Active Directory forest.
You discover that when users change jobs within your company, the membership of the user groups are not being updated. As a result, the users can access resources that are no longer relevant to their job.
You plan to integrate Active Directory and Azure Active Directory (Azure AD) by using Azure AD Connect. You need to recommend a solution to ensure that group owners are emailed monthly about the group
memberships they manage.
What should you include in the recommendation?

A. conditional access policies
B. Tenant Restrictions
C. Azure AD access reviews
D. Azure AD Identity Protection

Answer: C

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

NEW QUESTION 207
- (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
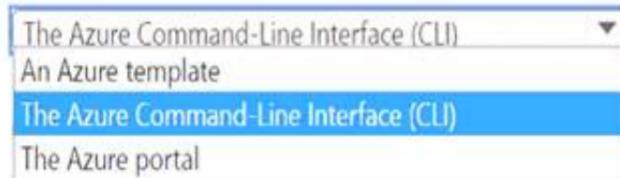
To generate the non-compliance alerts, configure diagnostic settings for the:	Log Analytics workspace ▼
	Azure activity logs
	Log Analytics workspace
	Storage accounts

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
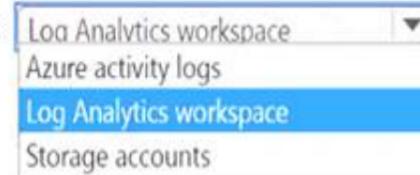
To generate the non-compliance alerts, configure diagnostic settings for the:	Log Analytics workspace ▼
	Azure activity logs
	Log Analytics workspace
	Storage accounts
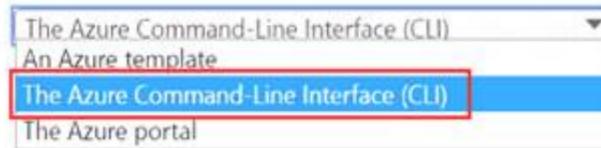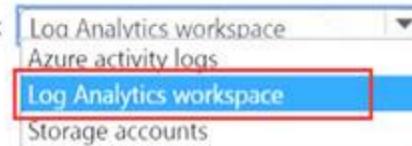
NEW QUESTION 209
- (Exam Topic 5)
You have two app registrations named App1 and App2 in Azure AD. App1 supports role-based access control (RBAC) and includes a role named Writer.
You need to ensure that when App2 authenticates to access App1, the tokens issued by Azure AD include the Writer role claim.
Which blade should you use to modify each app registration? To answer, drag the appropriate blades to the correct app registrations. Each blade 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.

Blades   Answer Area

API permissions

App roles   App1: [Blade]

Token configuration   App2: [Blade]

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Blades   Answer Area

API permissions

App roles   App1: [App roles]

Token configuration   App2: [API permissions]

NEW QUESTION 211
- (Exam Topic 5)
You are designing an application that will aggregate content for users.
You need to recommend a database solution for the application. The solution must meet the following requirements:

≫ Support SQL commands.

≫ Support multi-master writes.

≫ Guarantee low latency read operations.
What should you include in the recommendation?

A. Azure Cosmos DB SQL API
B. Azure SQL Database that uses active geo-replication
C. Azure SQL Database Hyperscale
D. Azure Database for PostgreSQL

Answer: A

Explanation:
With Cosmos DB's novel multi-region (multi-master) writes replication protocol, every region supports both writes and reads. The multi-region writes capability also enables:
Unlimited elastic write and read scalability.
* 99.999% read and write availability all around the world.
Guaranteed reads and writes served in less than 10 milliseconds at the 99th percentile. Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/distribute-data-globally

NEW QUESTION 215
- (Exam Topic 5)
The application will host video files that range from 50 MB to 12 GB. The application will use certificate-based authentication and will be available to users on the internet.
You need to recommend a storage option for the video files. The solution must provide the fastest read performance and must minimize storage costs.
What should you recommend?

A. Azure Files
B. Azure Data Lake Storage Gen2
C. Azure Blob Storage
D. Azure SQL Database

Answer: C

Explanation:
Blob Storage: Stores large amounts of unstructured data, such as text or binary data, that can be accessed from anywhere in the world via HTTP or HTTPS. You can use Blob storage to expose data publicly to the world, or to store application data privately.
Max file in Blob Storage. 4.77 TB. Reference:
https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/digital-media-video

NEW QUESTION 217
- (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 219
- (Exam Topic 5)
Your company has an on-premises Hyper-V cluster that contains 20 virtual machines. Some of the virtual machines are based on Windows and some in Linux.
You have to migrate the virtual machines onto Azure.
You have to recommend a solution that would be used to replicate the disks of the virtual machines to Azure. The solution needs to ensure that the virtual machines remain available when the migration of the disks is in progress.
You decide to create an Azure storage account and then run AzCopy Would this fulfill the requirement?

A. Yes
B. No

Answer: B

NEW QUESTION 222
- (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 225
- (Exam Topic 5)
You have the Azure subscriptions shown in the following table.

Name	Location	Azure AD tenant
Sub1	East US	contoso.onmicrosoft.com
Sub2	East US	contoso-recovery.onmicrosoft.com

Contoso.onmicrosft.com contains a user named User1.
You need to deploy a solution to protect against ransomware attacks. The solution must meet the following requirements:
• Ensure that all the resources in Sub1 are backed up by using Azure Backup.
• Require that User1 first be assigned a role for Sub2 before the user can make major changes to the backup configuration.
What should you create in each subscription? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 226
- (Exam Topic 5)
You have an Azure AD tenant.
You plan to deploy Azure Cosmos DB databases that will use the SQL API.
You need to recommend a solution to provide specific Azure AD user accounts with read access to the Cosmos DB databases.
What should you include in the recommendation?

A. a resource token and an Access control (1AM) role assignment
B. certificates and Azure Key Vault
C. master keys and Azure Information Protection policies
D. shared access signatures (SAS) and Conditional Access policies

Answer: A

NEW QUESTION 228
- (Exam Topic 5)
You plan to deploy the backup policy shown in the following exhibit.
You plan to deploy the backup policy shown in the following exhibit.

Policy1

☰ Associated Items   🗑 Delete   💾 Save   ✖ Discard

Backup frequency

| Daily ▾ | 6:00 PM ▾ | (UTC) Coordinated Universal Time ▾ |

Retention range

☑ Retention of daily backup point.

* At   For

| 6:00 PM ▾ | 90 | Day(s) |

☑ Retention of weekly backup point.

* On   * At   For

| Sunday ▾ | 6:00 PM ▾ | 26 | Week(s) |

☑ Retention of monthly backup point.

Week Based | Day Based

* On   * Day   * At   For

| First ▾ | Sunday ▾ | 6:00 PM ▾ | 36 | Month(s) |

☐ Retention of yearly backup point.

Not Configured

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

Answer Area

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

| ▾ |
| 90 days |
| 26 weeks |
| 36 months |
| 45 months |

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

| ▾ |
| 1 hour |
| 1 day |
| 1 week |
| 1 month |
| 1 year |

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 229
- (Exam Topic 5)
You have an Azure subscription that contains an Azure SQL database.
You are evaluating whether to use Azure reservations on the Azure SQL database. Which tool should you use to estimate the potential savings?

A. The Purchase reservations blade in the Azure portal
B. The Advisor blade in the Azure portal
C. The SQL database blade in the Azure portal

Answer: A

Explanation:
Buy reserved capacity

➢ Sign in to the Azure portal.

➢ Select All services > Reservations.

➢ Select Add and then in the Purchase Reservations pane, select SQL Database to purchase a new reservation for SQL Database.

➢ Fill in the required fields. Existing databases in SQL Database and SQL Managed Instance that match the attributes you select qualify to get the reserved capacity discount. The actual number of databases or
managed instances that get the discount depends on the scope and quantity selected. Graphical user interface, text Description automatically generated

➢ Review the cost of the capacity reservation in the Costs section.

➢ Select Purchase.

➢ Select View this Reservation to see the status of your purchase. Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/reserved-capacity-overview

NEW QUESTION 230
- (Exam Topic 5)
You have data files in Azure Blob Storage.
You plan to transform the files and move them to Azure Data Lake Storage. You need to transform the data by using mapping data flow.
Which service should you use?

A. Azure Data Box Gateway
B. Azure Databricks
C. Azure Data Factory
D. Azure Storage Sync

Answer: C

Explanation:
You can use Copy Activity in Azure Data Factory to copy data from and to Azure Data Lake Storage Gen2, and use Data Flow to transform data in Azure Data Lake Storage Gen2.
Reference:
https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-storage

NEW QUESTION 235
- (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)
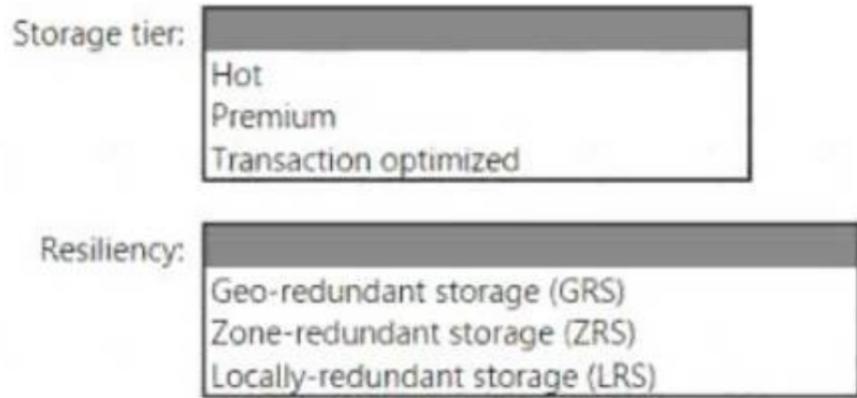
A. Mastered
B. Not Mastered

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 240
- (Exam Topic 5)
You are designing an Azure Cosmos DB solution that will host multiple writable replicas in multiple Azure regions.
You need to recommend the strongest database consistency level for the design. The solution must meet the following requirements:

⟩ Provide a latency-based Service Level Agreement (SLA) for writes.

⟩ Support multiple regions.
Which consistency level should you recommend?

A. bounded staleness
B. strong
C. session
D. consistent prefix

Answer: A

Explanation:
Each level provides availability and performance tradeoffs. The following image shows the different consistency levels as a spectrum.
Timeline Description automatically generated

Note: The service offers comprehensive 99.99% SLAs which covers the guarantees for throughput, consistency, availability and latency for the Azure Cosmos DB Database Accounts scoped to a single Azure region configured with any of the five Consistency Levels or Database Accounts spanning multiple Azure regions, configured with any of the four relaxed Consistency Levels.
Reference:
https://azure.microsoft.com/en-us/support/legal/sla/cosmos-db/v1_3/
https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels#consistency-levels-and-latency

NEW QUESTION 243
- (Exam Topic 5)
You are designing a solution that calculates 3D geometry from height-map data. You need to recommend a
solution that meets the following requirements:
• Performs calculations in Azure.
• Ensures that each node can communicate data to every other node.
• Maximizes the number of nodes to calculate multiple scenes as fast as possible.
• Minimizes the amount of effort to implement the solution.
Which two actions should you include in the recommendation? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Create a render farm that uses virtual machine scale sets.
B. Enable parallel file systems on Azure.
C. Create a render farm that uses virtual machines.

D. Enable parallel task execution on compute nodes.
E. Create a render farm that uses Azure Batch.

Answer: DE

NEW QUESTION 244
- (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 are designing an Azure solution for a company that has four departments. Each department will deploy several Azure app services and Azure SQL databases. You need to recommend a solution to report the costs for each department to deploy the app services and the databases. The solution must provide a consolidated view for cost reporting that displays cost broken down by department.
Solution: Create a separate resource group for each department. Place the resources for each department in its respective resource group.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead create a resources group for each resource type. Assign tags to each resource group.
Note: Tags enable you to retrieve related resources from different resource groups. This approach is helpful when you need to organize resources for billing or management.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags

NEW QUESTION 245
- (Exam Topic 5)
You have an Azure subscription.
You need to deploy a solution that will provide point-in-time restore for blobs in storage accounts that have blob versioning and blob soft delete enabled.
Which type of blob should you create, and what should you enable for the accounts? To answer, select the appropriate options in the answer area.
NOTE; Each correct selection is worth one point.

Answer Area

Blob type:
- Append
- Block
- Page

Enable:
- A stored access policy
- Immutable blob storage
- Object replication
- The change feed

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Blob type:
- Append
- Block
- Page

Enable:
- A stored access policy
- Immutable blob storage
- Object replication
- The change feed
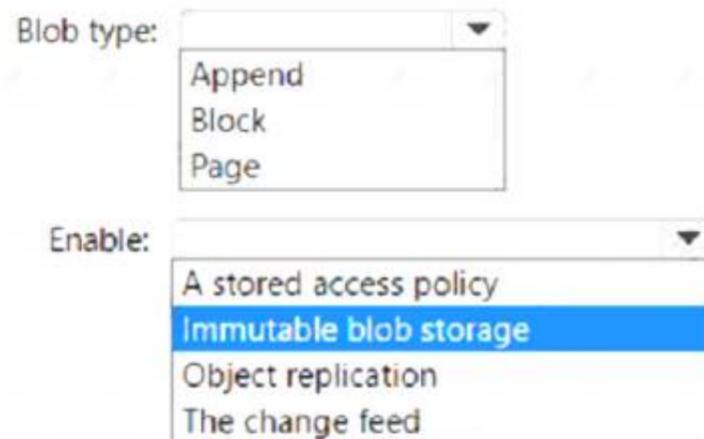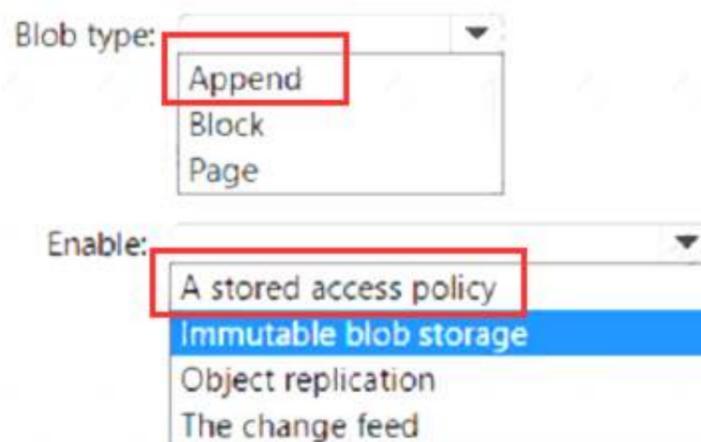
NEW QUESTION 248
- (Exam Topic 5)
You have an Azure subscription that contains an Azure SQL database. You plan to use Azure reservations on the Azure SQL database.

To which resource type will the reservation discount be applied?

A. vCore compute
B. DTU compute
C. Storage
D. License

Answer: A

Explanation:
Quantity: The amount of compute resources being purchased within the capacity reservation. The quantity is a number of vCores in the selected Azure region and Performance tier that are being reserved and will get the billing discount. For example, if you run or plan to run multiple databases with the total compute capacity of Gen5 16 vCores in the East US region, then you would specify the quantity as 16 to maximize the benefit for all the databases.
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/reserved-capacity-overview

NEW QUESTION 253
- (Exam Topic 5)
You plan to automate the deployment of resources to Azure subscriptions.
What is a difference between using Azure Blueprints and Azure Resource Manager (ARM) templates?

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

Answer: C

Explanation:
With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved. This connection supports improved tracking and auditing of deployments. Azure Blueprints can also upgrade several subscriptions at once that are governed by the same blueprint.
Reference:
https://docs.microsoft.com/en-us/answers/questions/26851/how-is-azure-blue-prints-different-from-resource-m.h

NEW QUESTION 255
- (Exam Topic 5)
You have 10 on-premises servers that run Windows Server.
You need to perform daily backups of the servers to a Recovery Services vault. The solution must meet the following requirements:
• Back up all the files and folders on the servers.
• Maintain three copies of the backups in Azure.
• Minimize costs.
What should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

On the servers:	The Microsoft Azure Recovery Services (MARS) agent ▼
	The Azure Site Recovery Mobility service
	The Microsoft Azure Recovery Services (MARS) agent
	Volume Shadow Copy Service (VSS)

For the storage:	Geo-redundant storage (GRS) ▼
	Geo-redundant storage (GRS)
	Locally-redundant storage (LRS)
	Zone-redundant storage (ZRS)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

On the servers:	The Microsoft Azure Recovery Services (MARS) agent ▼
	The Azure Site Recovery Mobility service
	The Microsoft Azure Recovery Services (MARS) agent
	Volume Shadow Copy Service (VSS)

For the storage:	Geo-redundant storage (GRS) ▼
	Geo-redundant storage (GRS)
	Locally-redundant storage (LRS)
	Zone-redundant storage (ZRS)

NEW QUESTION 257
- (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 initiative to enforce the location of resource groups. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
This solution does not meet the goal because an Azure Policy initiative can only enforce the location of resources, not resource groups. Resource groups are not a resource type that can be targeted by Azure Policy1. To enforce the location of resource groups, you need to use Azure Resource Manager templates2 or Azure PowerShell3 to create them in the desired regions.
References:
1: Understand scope in Azure Policy 2: Create resource groups with Azure Resource Manager templates 3: Create resource groups with Azure PowerShell

NEW QUESTION 260
- (Exam Topic 5)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

Several VMs are exhibiting network connectivity issues.

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

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.
Note: Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.
With Advisor, you can:
Get proactive, actionable, and personalized best practices recommendations.
Improve the performance, security, and high availability of your resources, as you identify opportunities to reduce your overall Azure spend.
Get recommendations with proposed actions inline. Reference:
https://docs.microsoft.com/en-us/azure/advisor/advisor-overview

NEW QUESTION 261
- (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 262
- (Exam Topic 5)
You plan to deploy the backup policy 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.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 266
- (Exam Topic 5)
You plan to migrate on-premises MySQL databases to Azure Database for MySQL Flexible Server.
You need to recommend a solution for the Azure Database for MySQL Flexible Server configuration. The solution must meet the following requirements:
• The databases must be accessible if a datacenter fails.
• Costs must be minimized.
Which compute tier should you recommend?

A. Burstable
B. General Purpose
C. Memory Optimized

Answer: C

NEW QUESTION 268
- (Exam Topic 5)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.
Several VMs are exhibiting network connectivity issues.
You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Use Azure Network Watcher to run IP flow verify to analyze the network traffic
Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:
The Network Watcher Network performance monitor is a cloud-based hybrid network monitoring solution that helps you monitor network performance between various points in your network infrastructure. It also helps you monitor network connectivity to service and application endpoints and monitor the performance of Azure ExpressRoute.
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.
IP flow verify looks at the rules for all Network Security Groups (NSGs) applied to the network interface, such as a subnet or virtual machine NIC. Traffic flow is then verified based on the configured settings to or from that network interface. IP flow verify is useful in confirming if a rule in a Network Security Group is blocking ingress or egress traffic to or from a virtual machine.
Reference:
https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview

NEW QUESTION 271
- (Exam Topic 5)
Your on-premises datacenter contains a server that runs Linux and hosts a Java app named Appl. App1 has the following characteristics:
• App1 is an interactive app that users access by using HTTPS connections.
• The number of connections to App1 changes significantly throughout the day.
• App1 runs multiple concurrent instances.
• App1 requires major changes to run in a container. You plan to migrate App1 to Azure.
You need to recommend a compute solution for Appl. The solution must meet the following requirements:
• The solution must run multiple instances of Appl.
• The number of instances must be managed automatically depending on the load.
• Administrative effort must be minimized.
What should you include in the recommendation?

A. Azure Batch
B. Azure App Service
C. Azure Kubernetes Service (AKS)
D. Azure Virtual Machine Scale Sets

Answer: C

NEW QUESTION 272
- (Exam Topic 5)
You have an on-premises network that uses on IP address space of 172.16.0.0/16 You plan to deploy 25 virtual machines to a new azure subscription.
You identity the following technical requirements.
≫ All Azure virtual machines must be placed on the same subnet subnet1.
≫ All the Azure virtual machines must be able to communicate with all on premises severs.
≫ The servers must be able to communicate between the on-premises network and Azure by using a site to site VPN.
You need to recommend a subnet design that meets the technical requirements.
What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Network Addresses

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

Answer Area

Subnet1: Network address

Gateway subnet: Network address

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, application Description automatically generated

NEW QUESTION 277
- (Exam Topic 5)
You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.
Your company has a line-of-business (LOB) application that was developed internally.
You need to implement. SAML single sign-on (SSO) and enforce multi-factor authentication (MFA) when users attempt to access the application from an unknown location.
Which two features should you include in the solution? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Azure AD enterprise applications
B. Azure AD Identity Protection
C. Azure Application Gateway
D. Conditional Access policies
E. Azure AD Privileged Identity Management (PIM)

Answer: AD

NEW QUESTION 282
- (Exam Topic 5)
You plan to deploy Azure Databricks to support a machine learning application. Data engineers will mount an Azure Data Lake Storage account to the Databricks file system. Permissions to folders are granted directly to the data engineers.
You need to recommend a design for the planned Databrick deployment. The solution must meet the following requirements:

> Ensure that the data engineers can only access folders to which they have permissions.

> Minimize development effort.

> Minimize costs.

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

Databricks SKU:
- Premium
- Standard

Cluster configuration:
- Credential passthrough
- Managed identities
- MLflow
- A runtime that contains Photon
- Secret scope

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Standard
Choose Standard to minimize costs. Box 2: Credential passthrough
Athenticate automatically to Azure Data Lake Storage Gen1 (ADLS Gen1) and Azure Data Lake Storage Gen2 (ADLS Gen2) from Azure Databricks clusters using the same Azure Active Directory (Azure AD) identity that you use to log into Azure Databricks. When you enable Azure Data Lake Storage credential passthrough for your cluster, commands that you run on that cluster can read and write data in Azure Data Lake Storage without requiring you to configure service principal credentials for access to storage.
Reference:
https://docs.microsoft.com/en-us/azure/databricks/security/credential-passthrough/adls-passthrough

NEW QUESTION 283
- (Exam Topic 5)
You have several Azure App Service web apps that use Azure Key Vault to store data encryption keys. Several departments have the following requests to support the web app:

Department	Request
Security	• Review the membership of administrative roles and require users 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 Key Vault and retrieve keys for use in code.

Which service should you recommend for each department's request? To answer, configure the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Security: Azure AD Privileged Identity Management
Development: Azure Managed Identity
Quality Assurance: Azure AD Privileged Identity Management

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 288
- (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 initiative to enforce the 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 293
- (Exam Topic 5)
You are designing a data pipeline that will integrate large amounts of data from multiple on-premises Microsoft SQL Server databases into an analytics platform in Azure. The pipeline will include the following actions:
• Database updates will be exported periodically into a staging area in Azure Blob storage.
• Data from the blob storage will be cleansed and transformed by using a highly parallelized load process.
• The transformed data will be loaded to a data warehouse.
• Each batch of updates will be used to refresh an online analytical processing (OLAP) model in a managed serving layer.
• The managed serving layer will be used by thousands of end users. You need to implement the data warehouse and serving layers.
What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

To implement the data warehouse:
- An Apache Spark pool in Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool
- Azure Data Lake Analytics

To implement the serving layer:
- Azure Analysis Services
- An Apache Spark pool Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

To implement the data warehouse:
- An Apache Spark pool in Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool
- Azure Data Lake Analytics

To implement the serving layer:
- Azure Analysis Services
- An Apache Spark pool Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool

NEW QUESTION 296
- (Exam Topic 5)
You have the resources shown in the following table.

Name	Type	Resource group
VM1	Azure virtual machine	RG1
VM2	On-premises virtual machine	Not applicable

You create a new resource group in Azure named RG2. You need to move the virtual machines to RG2.
What should you use to move each virtual machine? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

VM1:
- Azure Arc
- Azure Lighthouse
- Azure Migrate
- Azure Resource Mover
- The Data Migration Assistant (DMA)

VM2:
- Azure Arc
- Azure Lighthouse
- Azure Migrate
- Azure Resource Mover
- The Data Migration Assistant (DMA)

A. Mastered
B. Not Mastered

Answer: A

Explanation:

VM1:
- Azure Arc
- **Azure Lighthouse**
- Azure Migrate
- Azure Resource Mover
- The Data Migration Assistant (DMA)

VM2:
- Azure Arc
- Azure Lighthouse
- **Azure Migrate**
- Azure Resource Mover
- The Data Migration Assistant (DMA)
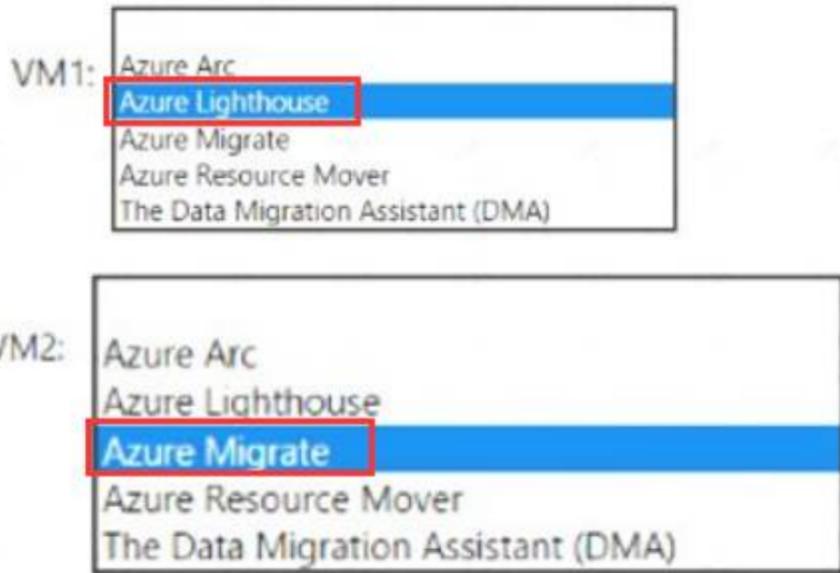
NEW QUESTION 297
- (Exam Topic 5)
Your company has the divisions shown in the following table.

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

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

≫ An Azure web app

≫ Custom role assignments

≫ An Azure Cosmos DB account

You need to use Azure Blueprints to deploy the application to each subscription.
What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Management groups:
1
2
3
4

Blueprint definitions:
1
2
3
4

Blueprint assignments:
1
2
3
4

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: 2
One management group for East, and one for West.
When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have Contributor access to. If the location is a management group, the blueprint is available to assign to any child subscription of that management group.
Box 2: 2

Box 3: 4
One assignment for each subscription.
"Assigning a blueprint definition to a management group means the assignment object exists at the management group. The deployment of artifacts still targets a subscription. To perform a management group assignment, the Create Or Update REST API must be used and the request body must include a value for properties.scope to define the target subscription."
https://docs.microsoft.com/en-us/azure/governance/blueprints/overview#blueprint-assignment

NEW QUESTION 302
- (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

NEW QUESTION 307
- (Exam Topic 5)
You plan to deploy an Azure SQL database that will store Personally Identifiable Information (PII). You need to ensure that only privileged users can view the PII. What should you include in the solution?

A. Transparent Data Encryption (TDE)
B. Data Discovery & Classification
C. dynamic data masking
D. role-based access control (RBAC)

Answer: C

NEW QUESTION 310
- (Exam Topic 5)
You plan to move a web application named App1 from an on-premises data center to Azure. App1 depends on a custom COM component that is installed on the host server.
You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

≫ App1 must be available to users if an Azure data center becomes unavailable.

≫ Costs must be minimized.
What should you include in the recommendation?

A. In two Azure regions, deploy a load balancer and a virtual machine scale set.
B. In two Azure regions, deploy a Traffic Manager profile and a web app.
C. In two Azure regions, deploy a load balancer and a web app.
D. Deploy a load balancer and a virtual machine scale set across two availability zones.

Answer: D

Explanation:
(https://docs.microsoft.com/en-us/dotnet/azure/migration/app-service#com-and-com-components)
Azure App Service does not allow the registration of COM components on the platform. If your app makes use of any COM components, these need to be rewritten in managed code and deployed with the site or application. https://docs.microsoft.com/en-us/dotnet/azure/migration/app-service
"Azure App Service with Windows Containers If your app cannot be migrated directly to App Service, consider App Service using Windows Containers, which enables usage of the GAC, COM components, MSIs, full access to .NET FX APIs, DirectX, and more."

NEW QUESTION 311
- (Exam Topic 5)
You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end. The IT apartment at your company recently enabled forced tunneling,
Since the configuration change, developers have noticed degraded performance when they access the database
You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs
What should you include in the recommendation?

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

Answer: D

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

NEW QUESTION 312
- (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 Load Balancer to provide access to the app. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 314
- (Exam Topic 5)
You need to recommend an Azure Storage Account configuration for two applications named Application1 and Applications. The configuration must meet the following requirements:
• Storage for Application1 must provide the highest possible transaction rates and the lowest possible latency.
• Storage for Application2 must provide the lowest possible storage costs per GB.
• Storage for both applications must be optimized for uploads and downloads.
• Storage for both applications must be available in an event of datacenter failure.
What should you recommend ? To answer, select the appropriate options in the answer area NOTE: Each correct selection is worth one point

Answer Area

Application1:

- BlobStorage with Standard performance, Hot access tier, and Read-access geo-redundant storage (RA-GRS) replication
- BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication
- General purpose v1 with Premium performance and Locally-redundant storage (LRS) replication
- General purpose v2 with Standard performance, Hot access tier, and Locally-redundant storage (LRS) replication

Application2:

- BlobStorage with Standard performance, Cool access tier, and Geo-redundant storage (GRS) replication
- BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication
- General purpose v1 with Standard performance and Read-access geo-redundant storage (RA-GRS) replication
- General purpose v2 with Standard performance, Cool access tier, and Read-access geo-redundant storage (RA-GRS) replication

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: BloblBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication.
BlockBlobStorage accounts: Storage accounts with premium performance characteristics for block blobs and append blobs. Recommended for scenarios with high transactions rates, or scenarios that use smaller objects or require consistently low storage latency.
Premium: optimized for high transaction rates and single-digit consistent storage latency. Box 2: General purpose v2 with Standard performance..
General-purpose v2 accounts: Basic storage account type for blobs, files, queues, and tables. Recommended for most scenarios using Azure Storage.
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview
https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy

NEW QUESTION 315
- (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 the Regulatory compliance dashboard in Azure Security Center. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
The Regulatory compliance dashboard in Azure Security Center is not used for regional compliance. Note: Instead Azure Resource Policy Definitions can be used which can be applied to a specific Resource
Group with the App Service instances.
Note 2: In the Azure Security Center regulatory compliance blade, you can get an overview of key portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.
Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview
https://azure.microsoft.com/en-us/blog/regulatory-compliance-dashboard-in-azure-security-center-now-available

NEW QUESTION 318
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