

QUESTION 220

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 Standard
- B. Azure SQL Database Serverless
- C. Azure SQL Managed Instance General Purpose
- D. Azure SQL Database Premium

Answer: C

Explanation:

QUESTION 221

You have an on-premises Microsoft SQL server named SQLI that hosts 50 databases.

You plan to migrate SQL 1 to Azure SQL Managed Instance.

You need to perform an offline migration of SQL 1. The solution must minimize administrative effort.

What should you include in the solution?

- A. SQL Server Migration Assistant (SSMA)
- B. Azure Migrate
- C. Data Migration Assistant (DMA)
- D. Azure Database Migration Service

Answer: D

Explanation:

This Azure service supports migration in the offline mode for applications that can afford downtime during the migration process. Unlike the continuous migration in online mode, offline mode migration runs a one-time restore of a full database backup from the source to the target

<https://learn.microsoft.com/en-us/azure/azure-sql/migration-guides/managed-instance/sql-server-to-managed-instance-overview?view=azuresql#compare-migration-options>

QUESTION 222

HOTSPOT

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

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

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

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

a.

NOTE: Each correct selection is worth one point.

Storage type:

Data format:

Answer:

Storage type:

Data format:

Explanation:

QUESTION 223

You are designing an app that will include two components. The components will communicate by sending messages via a queue. You need to recommend a solution to process the messages by using a First in, First out (FIFO) pattern. What should you include in the recommendation?

- A. storage queues with a custom metadata setting
- B. Azure Service Bus queues with sessions enabled
- C. Azure Service Bus queues with partitioning enabled
- D. storage queues with a stored access policy

Answer: B

Explanation:

QUESTION 224

You plan to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions. You need to recommend a storage solution to ensure that updated container images are replicated automatically to all the Azure regions hosting the AKS clusters. Which storage solution should you recommend?

- A. Azure Cache for Redis

- B. Premium SKU Azure Container Registry
- C. Azure Content Delivery Network (CON)
- D. geo-redundant storage (GRS) accounts

Answer: B

Explanation:

QUESTION 225

HOTSPOT

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:

Replication mechanism:

Answer:

Answer Area

Azure service or service tier:

Replication mechanism:

Explanation:

QUESTION 226

Your company deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity.

Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied from Azure to the virtual machines.

Solution: Install and configure the Azure Monitoring agent and the Dependency Agent on all the virtual machines. Use VM insights in Azure Monitor to analyze the network traffic.

Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

QUESTION 227

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-referencepowershell?
tabs=portal](https://learn.microsoft.com/en-us/azure/azure-functions/functions-referencepowershell?tabs=portal)
[https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-scheduledfunction#
create-a-timer-triggered-function](https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-scheduledfunction#create-a-timer-triggered-function)

QUESTION 228

You have an on-premises storage solution.

You need to migrate the solution to Azure. The solution must support Hadoop Distributed File System (HDFS).

What should you use?

- A. Azure Data Lake Storage Gen2
- B. Azure NetApp Files
- C. Azure Data Share
- D. Azure Table storage

Answer: A

Explanation:

QUESTION 229

HOTSPOT

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: 


- DS
- NC**
- NV


Disk type: 

- Standard SSD
- Premium SSD**
- Ultra Disk

Answer:

Answer Area

Virtual machine series: 

Disk type: 

Explanation:

QUESTION 230

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 Microsoft Defender for Cloud.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

QUESTION 231

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 Front Door to provide access to the app.

Does this meet the goal?

A. Yes

B. No

Answer: A

Explanation:

QUESTION 232

You are developing an app that will use Azure Functions to process Azure Event Hubs events. Request processing is estimated to take between five and 20 minutes. You need to recommend a hosting solution that meets the following requirements:

Supports estimates of request processing runtimes

Supports event-driven autoscaling for the app

Which hosting plan should you recommend?

A. Consumption

B. App Service

C. Dedicated

D. Premium

Answer: B

Explanation:

QUESTION 233**HOTSPOT**

You are designing a data storage solution to support reporting.

The solution will ingest high volumes of data in the JSON format by using Azure Event Hubs. As the data arrives, Event Hubs will write the data to storage. The solution must meet the following requirements:

Organize data in directories by date and time.

Allow stored data to be queried directly, transformed into summarized tables, and then stored in a data warehouse.

Ensure that the data warehouse can store 50 TB of relational data and support between 200 and 300 concurrent read operations.

Which service should you recommend for each type of data store? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Data store for the ingested data:

Data store for the data warehouse:

Answer:

Answer Area

Data store for the ingested data:

Data store for the data warehouse:

Explanation:

QUESTION 234

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: C, E

Explanation:

QUESTION 235

HOTSPOT

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

Answer: