

1Z0-997-20^{Q&As}

Oracle Cloud Infrastructure 2020 Architect Professional

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QUESTION 1

An insurance company is storing critical financial data in the Oracle Cloud Infrastructure block volume. This volume is currently encrypted using oracle managed keys. Due to regulatory compliance, the customer wants to encrypt the data using the keys that they can control and not the keys which are controlled by Oracle.

What of the following series of tasks are required to encrypt the block volume using customer managed keys?

- A. Create a master encryption key, create a data encryption key, decrypt the block volume using existing oracle managed keys, encrypt the block volume using the data encryption key.
- B. Create a vault import your master encryption key into the vault, generate data encryption key, assign data encryption key to the block volume.
- C. Create a master encryption key, create a new version of the encryption key, decrypt the block volume using existing oracle managed keys and encrypt using new version of the encryption key.
- D. Create a vault, create a master encryption key in the vault, assign this master encryption key to the block volume.

Correct Answer: D

QUESTION 2

You are working with a social media company as a solution architect. The media company wants to collect and analyze large amounts of data being generated from their websites and social media feeds to gain insights and continuously improve the user experience. In order to meet this requirement, you have developed a microservices application hosted on Oracle Container Engine for Kubernetes. The application will process the data and store the result to an Autonomous Data Warehouse (ADW) instance.

Which Oracle Cloud Infrastructure (OCI) service can you use to collect and process a large volume of unstructured data in real time?

- A. OCI Events
- B. OCI Streaming
- C. OCI Resource Manager
- D. OCI Notifications

Correct Answer: B

QUESTION 3

An online gaming application is deployed to multiple Availability Domains in the Oracle Cloud Infrastructure (OCI) us-ashburn-1 region. Considering the high volume of traffic that the gaming application handles, the company has hired you to ensure that the data stored by the application is scalable, highly available, and disaster resilient. In the event of failure, the Recovery Time Objective (RTO) and Recovery Point Objective (RPO) must be less than 2 hours.

Which Disaster Recovery strategy should be used to achieve the RTO and RPO requirements in the event of a system failure?

- A. Configure hourly block volumes backups using the OCI Command Line Interface (CLI).
- B. Create a user defined backup policy with a schedule of generating daily backups for block volumes.
- C. Configure hourly block volumes backups through the OCI Storage Gateway service.
- D. Create a user defined backup policy with a schedule of generating hourly backups for block volumes.

Correct Answer: A

QUESTION 4

You have been asked to implement a bespoke financial application in Oracle Cloud Infrastructure using virtual machine instances controlled by Autoscaling across multiple Availability Domains. The application stores transaction logs, intermediate transaction data, and audit data and needs to store this on a persistent, durable data store accessible from all of the application servers. The application requires the file system to be mounted in the /audit folder on the Linux file system. The system needs to tolerate the failure of two or more Fault Domains and still maintain data integrity. The solution should be as low maintenance as possible.

What storage architecture should you suggest?

- A. Use locally attached NVMe instances and configure RAID 0 replication between servers.
- B. Implement a single instance and install an NFS server, configure and create an NFS share, and mount this as /audit on the application instances.
- C. Store the data on Oracle Object Storage mounted at the /audit mount point on all the Linux instances using the default mount options.
- D. Use File Storage Service(FSS). Configure FSS to operate from all Availability Domains the application servers operate in and mount the file system in the /audit folder.

Correct Answer: D

QUESTION 5

You are working with a customer who needs to attach an Oracle Cloud Infrastructure (OCI) block volume to a VM instance with read/write access type. The customer wants to know if the number of IOPS and throughput performance differs between the following two choices:

Option A: attach a single 1 TB block volume to the VM instance Option B: attach two separate 500 GB block volumes in a RAID 0 array configuration to the VM instance

You can assume that the customer is using iSCSI attachment type to attach the volumes to the instance. In addition, you can assume 1 MB block size for throughput and 4 KB block size for IOPS consideration.

How should you respond to the customer?

- A. Option B provides higher level of throughput, but lower level of IOPS performance.
- B. Both options provide the same number of IOPS and throughput performance.

C. Option A provides better IOPS, but lower throughput performance.

D. Option B provides better IOPS and throughput performance.

Correct Answer: B

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