1Z0-997-22^{Q&As}

Oracle Cloud Infrastructure 2022 Architect Professional

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QUESTION 1

You have provisioned a new VM.DenseIO2.24 compute instance with local NVMe drives. The compute instance is running production application. This is a write heavy application, with a significant Impact to the business it the application goes down.

What should you do to help maintain write performance and protect against NVMe devices failure.

A. NVMe drive have built in capability to recover themself so no other actions are required

B. Configure RAID 6 for NVMe devices.

C. Configure RAID 1 for NVMe devices.

D. Configure RAID 10 for NVMe devices.

Correct Answer: D

VM.DeselO2.24 compute instance include locally attached NVMe devices. These devices provide extremely low latency, high performance block storage that is ideal for big data, OLTP, and any other workload that can benefit from high-performance block storage.

A protected RAID array is the most recommended way to protect against an NVMe device failure. There are three RAID levels that can be used for the majority of workloads:

RAID 1: An exact copy (or mirror) of a set of data on two or more disks; a classic RAID 1 mirrored pair contains two disks RAID 10: Stripes data across multiple mirrored pairs. As long as one disk in each mirrored pair is functional, data can be retrieved RAID 6: Block-level striping with two parity blocks distributed across all member disks If you need the best possible performance and can sacrifice some of your available space, then RAID 10 array is an option.

QUESTION 2

You are responsible for migrating your on premises legacy databases on 11.2.0.4 version to Autonomous Transaction Processing Dedicated (ATP-D) In Oracle Cloud Infrastructure (OCI). As a solution architect, you need to plan your migration approach.

Which two options do you need to implement together to migrate your on premises databases to OCI?

A. Use Oracle Data Guard to keep on premises database always active during migration

B. Retain changes to Oracle shipped privileges, stored procedures or views In the on- premises databases.

C. Use Oracle GoldenGate replication to keep on premises database online during migration.

D. Convert on-premises databases to PDB, upgrade to 19c, and encrypt Migration.

E. Retain all legacy structures and unsupported features (e.g. taw U>Bs) In the onuses databases for migration.

Correct Answer: CD

Autonomous Database is an Oracle Managed and Secure environment. A physical database can\'t simply be migrated to autonomous because:

-Database must be converted to PDB, upgraded to 19c, and encrypted

-Any changes to Oracle shipped privileges, stored procedures or views must be removed

- All legacy structures and unsupported features must be removed (e.g. legacy LOBs) GoldenGate replication can be used to keep database online during migration

QUESTION 3

You are tasked with backing up your data using Oracle Cloud Infrastructure Block Volume service.

When you are finalizing your block volume backup schedule, which of the following two are valid considerations for your backup plan? (Choose Two)

A. Number of stored backups: How many backups you need to keep available and the deletion schedule for those you no longer need.

B. Governance: Tagging of backups so you can capture backup related API calls through the Audit service.

C. Frequency: How often you want to back up your data.

D. Location: Determine the Object Store Bucket where the backups will be stored.

E. Encryption: Whether to use your own key to encrypt your volume backups.

Correct Answer: AC

QUESTION 4

A company has an application that processes confidential data. The data is currently stored in an on-premises data center. A solution architect needs to move this data to Oracle Cloud Infrastructure (OCI) Object Storage and ensure data is encrypted in-transit to OCI.

Which two steps should the solution architect perform to set up the most cost-effective connection between on-premises data center and OCI?

A. Set up private end point for accessing Object Storage.

B. Attach an Internet Gateway to Virtual Cloud network(VCN).

C. Configure a service gateway accessing Object Storage.

D. Set up an IPsec tunnel between the customer equipment and software VPN on an oci instance

E. Configure a private peering connection on the Oracle FastConnect

F. Set up VPN Connect between the customer equipment and the Dynamic Routing Gateway.

Correct Answer: CF

QUESTION 5

A startup company is looking for a solution for processing of data transmitted by the IOT devices fitted to transport vehicles that carry frozen foods. The data should be consumed and processed in real time. The processed data should be archived to OCI Object Storage bucket. and use Autonomous Data warehouse (ADW) to handle analytics.

Which architecture will help you meet this requirement?

A. Use OCI Streaming Service to collect the incoming biometric data. Use an open source Hadoop cluster to analyze the data horn streaming service. Store the results to OCI Autonomous Data warehouse (ADW) to handle complex analytics

B. Use OCI Streaming Service to collect the incoming biometric data. Use Oracle Functions to process the date and show the results on a real-time dashboard and store the results lo OCI Object Storage Store the data In OCI Autonomous Data warehouse (ADW) to handle analytics.

C. Create an OCI Object Storage bucket to collect the incoming biometric data from the smart pet collar Fetch the data horn OC\ Object storage to OCI Autonomous Data Warehouse (ADW) every day and run analytics Jobs with it

D. Launch an open source Hadoop cluster to collect the Incoming biometrics data Use an Open source Fluentd cluster to analyze the- data me results to OCI Autonomous Transaction Processing (ADW)to handle complex analytics

Correct Answer: B

Real-time processing of high-volume streams of data

-OCI Streaming service provides a fully managed, scalable, durable storage option for continuous, highvolume streams of data that you can consume and process in real-time

-Use cases Log and Event data collection Web/Mobile activity data ingestion IoT Data streaming for processing and alerts Messaging: use streaming to decouple components of large systems

-Oracle managed service with REST APIs (Create, Put, Get, Delete)

-Integrated Monitoring