

Oracle 1Z0-997-25

Oracle Cloud Infrastructure 2025 Architect Professional

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Question: 1

You are running a mission-critical database application in Oracle Cloud Infrastructure (OCI). You take regular backups of your DB system to OCI Object Storage. Recently, you notice a failed database backup status in the console.

What troubleshooting action can you perform to determine the cause of the backup failure?

Response:

- A. Ensure that your database host can connect to OCI Object Storage.
- B. Ensure the database archiving mode is set to NOARCHIVELOG.
- C. Ensure that the dcsagent program is not restarted in case of a stop/waiting status.
- D. Ensure that the database is not active and running while the backup is in progress.

Answer: A

Question: 2

You want to automate the processing of new image files to generate thumbnails. The expected rate is 10 new files every hour. Which of the following is the most cost effective option to meet this requirement in Oracle Cloud Infrastructure (OCI)?

Response:

- A. Upload files to an OCI Object storage bucket. Every time a file is uploaded, an event is emitted. Write a rule to filter these events with an action to trigger a function in Oracle Functions. The function processes the image in the file and stores the thumbnails back in an Object storage bucket
- B. Upload files to an OCI Object storage bucket. Every time a file is uploaded, trigger an event with an action to provision a compute instance with a cloud-init script to access the file, process it and store it back in an Object storage bucket. Terminate the instance using Autoscaling policy after the processing is finished.
- C. Build a web application to ingest the files and save them to a NoSQL Database. Configure OCI Events service to trigger a notification using Oracle Notification Service (ONS). ONS invokes a custom application to process the image files to generate thumbnails. Store thumbnails in a NoSQL Database table.
- D. Upload all files to an Oracle Streaming Service (OSS) stream. Set up a cron job to invoke a function in Oracle Functions to fetch data from the stream. Invoke another function to process the image files and generate thumbnails. Store thumbnails in another OSS stream.

Answer: A

Question: 3

Which of the following is NOT a good use case for the Oracle Cloud Infrastructure (OCI) Streaming service?

Response:

- A. Meeting compliance requirements for data to remain unchanged over a long time, so that it can be retrieved for audit purposes.
- B. Messaging with a pull-based communication model and the ability to feed multiple consumers with the same data independently.
- C. Ingesting metric and log data to help make critical operational data more quickly available for indexing, analysis, and visualization.
- D. Providing a unified entry point for cloud components to report their life cycle events for audit, accounting, and related activities

Answer: A

Question: 4

An e-commerce company is running on Oracle Cloud Infrastructure (OCI) and many compute instances remain unused for the most part of the year except during Black Friday and Christmas. You suggest they use OCI's autoscaling feature and present them a slide to showcase the features of autoscaling.

Which option is inaccurate in your presentation to the customer?

Response:

- A. Autoscaling relies on performance metrics such as CPU utilization that are collected by the OCI Monitoring service to trigger an autoscaling event.
- B. Autoscaling requires an instance pool as a prerequisite so that it can automatically adjust the number of compute instances in an instance pool.
- C. When an instance pool scales in, instances are terminated in this order: The number of instances is balanced across availability domains, and then balanced across fault domains. Finally, within a fault domain, the newest instance is terminated first.
- D. A cooldown period between autoscaling events lets the system stabilize at the updated level.

Answer: C

Question: 5

What comprises the physical architecture of Oracle Database@Azure?

Response:

- A. Oracle places three of the OCI availability domains, one in each of the three Azure availability zones.

- B. Oracle creates an OCI pod that is closest to the Azure Data Center and connects it with the nearest OCI region by a low-latency Oracle-managed network link.
- C. OCI pods in Azure Data Center contain the Exadata Database Service stack, but all the other dependencies and controls reside in the nearest OCI data center.
- D. OCI pods that are created inside Azure Data Center are an extension of the OCI data center that have the same OCI infrastructure and service stack, the Exadata Database Service, along with all dependencies.

Answer: D

Question: 6

A company needs to establish connectivity between two VCNs using single FastConnect and on-premises in the same region. As a solutions architect, how can you configure such connectivity?

Response:

- A. Use DRG and create a private virtual circuit for FastConnect connection
- B. Use two DRG and two private virtual circuit for FastConnect connection
- C. Use remote peering to peer with FastConnect and on-premise environment
- D. Use hub-VCN with DRG to establish connectivity with on-premise network over FastConnect

Answer: D

Question: 7

As part of your organization's initiative to migrate on-premises workloads to Oracle Cloud Infrastructure using Oracle Cloud Migrations (OCM) service, you have been tasked to understand the end-to-end migration workflow.

Which sequence correctly represents the stages in the OCM migration workflow?

Response:

- A. Assessment and Planning, Discovery, Inventory, Replication, Execution
- B. Discovery, Inventory, Assessment and Planning, Replication, Execution
- C. Inventory, Discovery, Replication, Assessment and Planning, Execution
- D. Discovery, Assessment and Planning, Inventory, Execution, Replication
- E. Assessment and Planning, Replication, Discovery, Inventory, Execution

Answer: B

Question: 8

Identify the correct statements about OCI Functions service metrics?

(Choose three.)

Response:

- A. The number of requests to invoke a function that failed with an error response
- B. The number of times a function is invoked
- C. The number of times a function is deleted
- D. The amount of time a function runs for

Answer: A,B,D

Question: 9

You have an application running in Microsoft Azure and want to use Oracle Autonomous Data warehouse (ADW) instance for running business analytics.

How can you build a secure solution for such a use-case?

Response:

- A. Connect the Oracle ADW in your VCN to the Microsoft Azure VNet over the internet.
- B. Create a software VPN connection between Oracle Cloud Infrastructure (OCI) Virtual Cloud Network (VCN) and Microsoft Azure Virtual Network (VNet) and connect the application with Oracle ADW instance.
- C. Setup an interconnect between OCI and Microsoft Azure using FastConnect and ExpressRoute. Use a Service Gateway in OCI Virtual Cloud Network to provide connectivity to the Oracle ADW instance for the application in Microsoft Azure VNet.
- D. Create a software Remote Peering Connection between Oracle Cloud Infrastructure (OCI) Virtual Cloud Network (VCN) and Microsoft Azure Virtual Network (VNet) and connect the application with Oracle ADW instance.

Answer: B

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