



# 1Z0-997-21<sup>Q&As</sup>

Oracle Cloud Infrastructure 2021 Architect Professional

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### QUESTION 1

Which three options are available to migrate an Oracle database 12.x from an on-premises environment to Oracle Cloud Infrastructure (OCI)?

- A. Leverage OCI Storage Gateway asynchronous database migration option.
- B. Use Oracle Data Pump Export/Import to migrate the database.
- C. Configure RMAN cross-platform transportable tablespace backup sets.
- D. Setup OCI schema and data transfer tool with Bare Metal DB Systems as the target.
- E. Create a backup of your on-premises database in OCI DB Systems.

Correct Answer: BCE

<https://docs.cloud.oracle.com/en-us/iaas/Content/Database/Tasks/mig-onprembakup.htm>

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### QUESTION 2

A fast growing E-commerce company has deployed their online shopping application on Oracle Cloud Infrastructure. The application was deployed on compute instances with Autoscaling configuration for application servers fronted by a load balancer and OCI Autonomous Transaction Processing (ATP) in the backend. In order to promote their e-commerce platform 50% discount was announced on all the products for a limited period. During the day 1 of promotional period it was observed that the application is running slow and company's hotline is flooded with complaints. What could be two possible reasons for this situation?

- A. The health check on some of the backend servers has failed and the load balancer has taken those servers temporarily out of rotation.
- B. As part of Autoscaling, the load balancer shape has dynamically changed to a larger shape to handle more incoming traffic and the system was slow for a short time during this change.
- C. The health check on some of the backend servers has failed and the load balancer was rebooting these servers.
- D. Autoscaling has already scaled to the maximum number of instances specified in the configuration and there is no room for scaling further.

Correct Answer: AD

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### QUESTION 3

A retailer bank is currently hosting their mission critical customer application on-premises. The application has a standard 3 tier architecture - 4 application servers process the incoming traffic and store application data in an Oracle Exadata Database Server. The bank has recently has service disruption to other inter applications to they are looking to avoid this issue for their mission critical Customer Application. Which Oracle Cloud Infrastructure services should you recommend as part of the DR solution?

- A. OCI DNS Service, Public Load Balancer, Oracle Database Cloud Backup Service, Object Storage Service, Oracle Bare Metal Cloud Service, Oracle Bare Metal Cloud Service with GoldenGate, OCI Container Engines for Kubernetes,



Oracle IPSec VPN

B. OCI Traffic Management, Private Load Balancer, Compute instances distributed across multiple Availability Domains and/or Fault Domains, Exadata Cloud Service with Data Guard, Oracle FastConnect, Object Storage, Database Cloud backup module

C. OCI Traffic Management, Public Load Balancer, Compute Instances distributed across multiple Availability Domains and/or Vault domains. Exadata Cloud Service with Data Guard, Oracle FastConnect, Object Storage, Database cloud backup module

D. OCI DNS Service, Load Balancer as a service using Public Load Balancer distributing traffic Compute Instance across multiple regions, Oracle RAC Database using Virtual Machines, Remote Peering connecting two VCNs in different regions. Exadata Cloud Service with GoldenGate FastConnect, Object Storage, Database Cloud backup module.

Correct Answer: C

OCI Traffic Management Steering Policies can account for health of answers to provide failover capabilities, provide the ability to load balance traffic across multiple resources, and account for the location where the query was initiated to provide a simple, flexible and powerful mechanism to efficiently steer DNS traffic. Public Load Balancer Accepts traffic from the internet using a public IP address that serves as the entry point for incoming traffic. Load balancing service creates a primary load balancer and a standby load balancer, each in a different availability domain

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#### QUESTION 4

A new international hacktivist group, based in London, launched wide scale cyber attacks including SQL Injection and Cross-Site Scripting (XSS) across multiple websites which are hosted in Oracle Cloud Infrastructure (OCI). As an IT consultant, you must configure a Web Application Firewall (WAF) to protect these websites against the attacks. How should you configure your WAF to protect the website against those attacks? (Choose the best answer.)

- A. Enable an Access Rule that contains XSS Filters Categories and SQL Filters Categories.
- B. Enable a Protection Rule to block the attacks based on HTTP Headers that contain XSS and SQL strings.
- C. Enable a Protection Rule that contains XSS Filters Categories and SQL Filters Categories.
- D. Enable an Access Rule to block the IP Address range from London.
- E. Enable a Protection Rule to block requests that came from London.

Correct Answer: C

<https://www.ateam-oracle.com/using-oci-waf-web-application-firewall-with-oracle-e-businesssuite#:~:text=The%20protection%20rules%20can%20be,achieved%20by%20enabling%20corresponding%20rules.>

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#### QUESTION 5

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)?

- 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.

Correct Answer: A

You can invoke a function that you've deployed to Oracle Functions by triggered by an event in the Events service when update the Object storage to fetch the data then the function can process the File and store back to Object storage

