



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

Oracle Cloud Infrastructure 2019 Architect Professional

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### QUESTION 1

You are helping a customer troubleshoot a problem. The customer has several Oracle Linux servers in

Based on cost considerations, which option will fix this Issue?

- A. Create a Public Load Balancer In front of the servers and add the servers to the Backend Set of the Public Load Balancer.
- B. Create another Internet Gateway and configure it as route target for the private subnet.
- C. Implement a NAT instance In the public subnet of the VCN and configure the NAT instance as the route target for the private subnet.
- D. Create a NAT gateway in the VCN and configure the NAT gateway as the route target for the private subnet.

Correct Answer: A

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### QUESTION 2

You have an Oracle database system in a virtual cloud network (VCN) that needs to be accessible on port 1521 from your on-premises network CIDR 172.17.0.0/24.

You have the following configuration currently.

Virtual cloud network (VCD) is associated with a Dynamic Routing Gateway (DRG), and DRG has an active IPSec connection with your on-premises data center.

Oracle database system is hosted in a private subnet

The private subnet route table has the following configuration The private subnet route table has following configuration.



☐ Destination ☐ 172.17.0.0/24 ☐ 0 Selected

Target Type: Dynamic Routing Gateways Target: ASH-DRG

• The private subnet security list has following **INGRESS** security rule.

<input type="checkbox"/>	Stateless	Source	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
<input type="checkbox"/>	Yes	172.17.0.0/24	TCP	All	1521		TCP traffic for ports: 1521

• The Oracle database system is part of a network security group with following security rules.

Add Rules Edit Remove

Direction Source or Destination Protocol Details Description

However, you are still unable to connect to the Oracle Database system. Which action will resolve this issue?

- A. Add an EGRESS rule in network security group as following.

☐ Destination ☐ 0.0.0.0/0

Target Type: Dynamic Routing Gateways Target: ASH-DRG

- B. Add a route rule in the private subnet route table as following.  
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☐ Destination ☐ 0.0.0.0/0

Target Type: Dynamic Routing Gateways Target: ASH-DRG

- C. Add an EGRESS rule in private subnet security list as following.

<input type="checkbox"/>	Stateless	Destination	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
<input type="checkbox"/>	Yes	172.17.0.0/24	TCP	1521	All		TCP traffic for ports: All

- D. Add an EGRESS rule in private subnet security list as following.

<input type="checkbox"/>	Stateless	Destination	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
<input type="checkbox"/>	No	172.17.0.0/24	TCP	All	1521		TCP traffic for ports: 1521

A. Option A

B. Option B

C. Option C



D. Option D

Correct Answer: C

### QUESTION 3

You are currently working for a public health care company based in the United States. Their existing patient records runs in an on-premises data center and the customer is sending tape backups offsite as part of their recovery planning. You have developed an alternative archival solution using Oracle Cloud Infrastructure (OCI) that will save the company a significant amount of money on a yearly basis. The solution involves storing data in an OCI Object Storage bucket. After reviewing your solution with the customer global Compliance (GRC) team they have highlighted the following security requirements: All data less than 1 year old must be accessible within 2 hours. All data must be retained for at least 10 years and be accessible within 48 hours. All data must be encrypted at rest. No data may be transmitted across the public Internet.

Which two options meet the requirements outlined by the customer GRC team?

- A. Provision a FastConnect link to the closest OCI region and configure a private peering virtual circuit.
- B. Create an OCI Object Storage Standard tier bucket. Configure a lifecycle policy to archive any object that is older than 365 days.
- C. Create a VPN connection between your on-premises data center and OCI. Create a Virtual Cloud Network (VCN) along with an OCI Service Gateway for OCI Object Storage.
- D. Provision a FastConnect link to the closest OCI region and configure a public peering virtual circuit.
- E. Create an OCI Object Storage Standard tier bucket. Configure a lifecycle policy to delete any object that is older than 7 years.

Correct Answer: BD

The Oracle Services Network is a conceptual network in Oracle Cloud Infrastructure that is reserved for Oracle services. These services have public IP addresses that you typically reach over the Internet.

However, you can access the Oracle Services Network without the traffic going over the Internet.

There are different ways, depending on which of your hosts need the access:

Hosts in your on-premises network:

-

Private access through a VCN with FastConnect private peering or VPN Connect: The on-premises hosts use private IP addresses and reach the Oracle Services Network by way of the VCN and the VCN's service gateway.

-

Public access with FastConnect public peering: The on-premises hosts use public IP addresses. Regarding FastConnect public peering: To access public services in Oracle Cloud Infrastructure without using the Internet. For example, Object Storage, the Oracle Cloud Infrastructure Console and APIs, or public load balancers in your VCN. Communication across the connection is with IPv4 public IP addresses. Without FastConnect, the traffic destined for public IP addresses would be routed over the Internet. With FastConnect, that traffic goes over your private



Object Lifecycle Management lets you automatically manage the archiving and deletion of objects. By using Object Lifecycle Management to manage your Object Storage and Archive Storage data, you can reduce your storage costs and the amount of time you spend managing data.

#### QUESTION 4

Your team is conducting a root analysis (RCA) following a recent, unplanned outage. One of the block volumes attached to your production WebLogic server was deleted and you have tasked with identifying the source of the action. You search the Audit logs and find several Delete actions that occurred in the previous 24 hours. Given the sample of this event.

```
"event":{
  "tenantId":"ocidl.tenancy.ocl..aaaaaaaaymp6954bjkimbuciaaslaaaaa"
  "compartmentId":"ocidl.compartment.ocl..aaaaaaaav4x6wimindk7znguAlaaa"
  "compartmentName":"Production"
  "eventId":"14a87512-dblrilloj,A06-041C27d191/9"
  "eventName":"DeleteVolume"
  "eventSource":"BlockVolumes"
  "eventType":"ServiceAPI"
  "principalId":"ocidl.user.ocl..aaaaaaaalq1Skkelb62pz3ualqwxxy6olzd7daaqaaaaa"
  "credentialId":""
  "requestAction":"DELETE"
  "requestId":"csid06406dob4a7999cecid516C4ce52/f79253t181thilb36blad34bM51040/FA112B6BFFOK3011165F6SUM0C"
  "requestAgent":"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/531.36 WM, like Gecko) Chrome/18.0.377.14..."
  "requestHeaders":{...
}
"requestOrigin":"129.254.11.219"
"requestResource":"/20160918/volumes/ocidl.volume.ocl.iad.abuwcljtxksq424tohcip1lbzz13w)rr1j2ezissSes105125kzxliq"
"responseStatus":"204"
```

Which item from the event log helps you identify the individual or service that initiated the DeleteVolume API call?

- A. requestAgent
- B. eventSource
- C. principalId
- D. requestOrigin
- E. eventId

Correct Answer: C

The Oracle Cloud Infrastructure Audit service automatically records calls to all supported Oracle Cloud Infrastructure public application programming interface (API) endpoints as log events.

Currently, all services support logging by Audit.

Every audit log event includes two main parts:

Envelopes that act as a container for all event messages Payloads that contain data from the resource

emitting the event message The identity object contains the following attributes. data.identity.authType The type of authentication used.

data.identity.principalId The OCID of the principal.



data.identity.principalName The name of the user or service. This value is the friendly name associated with principalId .

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## QUESTION 5

You are working as a cloud consultant for a major media company. In the US and your client requested to consolidate all of their log streams, access logs, application logs, and security logs into a single system.

The client wants to analyze all of their logs in real-time based on heuristics and the result should be validated as well. This validation process requires going back to data samples extracted from the last 8 hours.

What approach should you take for this scenario?

- A. Create an auto scaling pool of syslog-enabled servers using compute instances which will store the logs in Object storage, then use map reduce jobs to extract logs from Object storage, and apply heuristics on the logs.
- B. Create a bare-metal instance big enough to host a syslog enabled server to process the logs and store logs on the locally attached NVMe SSDs for rapid retrieval of logs when needed.
- C. Set up an OCI Audit service and ingest all the API calls from Audit service pragmatically to a client side application to apply heuristics and save the result in an OCI Object storage.
- D. Stream all the logs and cloud events of Events service to Oracle Streaming Service. Build a client process that will apply heuristics on the logs and store them in an Object Storage.

Correct Answer: D

The Oracle Cloud Infrastructure Streaming service provides a fully managed, scalable, and durable storage solution for ingesting continuous, high-volume streams of data that you can consume and process in real time. Streaming can be used for messaging, ingesting high-volume data such as application logs, operational telemetry, web click-stream data, or other use cases in which data is produced and processed continually and sequentially in a publish-subscribe messaging model. Streaming Usage Scenarios Here are some of the many possible uses for Streaming: Metric and log ingestion: Use the Streaming service as an alternative for traditional file-scraping approaches to help make critical operational data more quickly available for indexing, analysis, and visualization. Messaging: Use Streaming to decouple components of large systems. Streaming provides a pull/bufferbased communication model with sufficient capacity to flatten load spikes and the ability to feed multiple consumers with the same data independently. Key-scoped ordering and guaranteed durability provide reliable primitives to implement various messaging patterns, while high

Infrastructure and apps event processing: Use Streaming as a unified entry point for cloud components to report their life cycle events for audit, accounting, and related activities.

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