



Oracle

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**Oracle Cloud
Infrastructure 2020
Architect Professional**

Version: Demo

[Total Questions: 10]

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Question #:1

Many development engineers are deploying new instances as part of their projects in Oracle Cloud Infrastructure tenancy, but majority of these instances have not been tagged. You as an administrator of this tenancy want to enforce tagging to identify owners who are launching these instances.

Which option below should be used to implement this requirement?

- A. Create a predefined tag with tag variables to automatically tag a resource with username.
- B. Create a default tag for each compartment which ensure appropriate tags are allowed at resource creation.
- C. Create tag variables for each compartment to automatically tag a resource with user name.
- D. Create an IAM policy to automatically tag a resource with the username.

Answer: A

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.

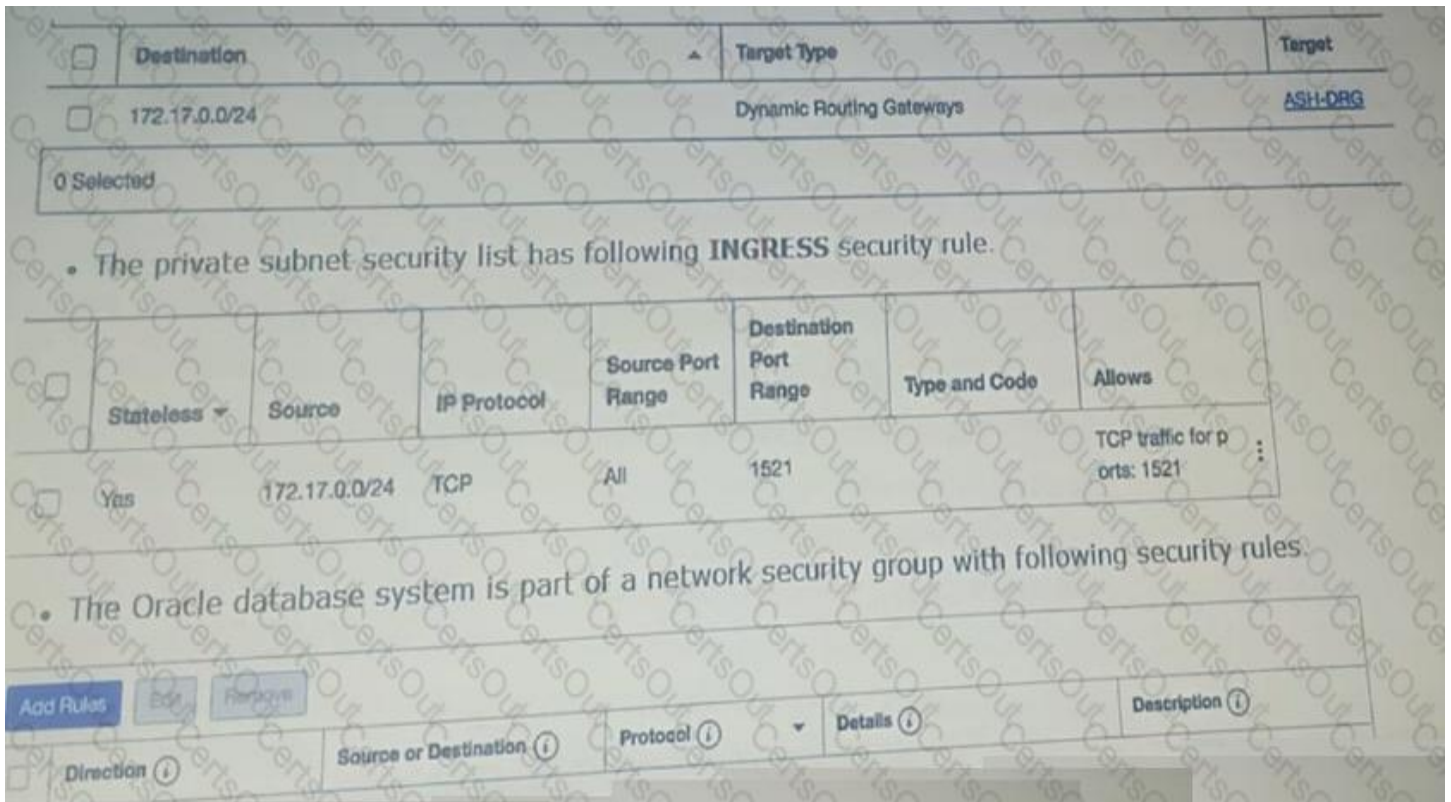
You have the following configuration currently.

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

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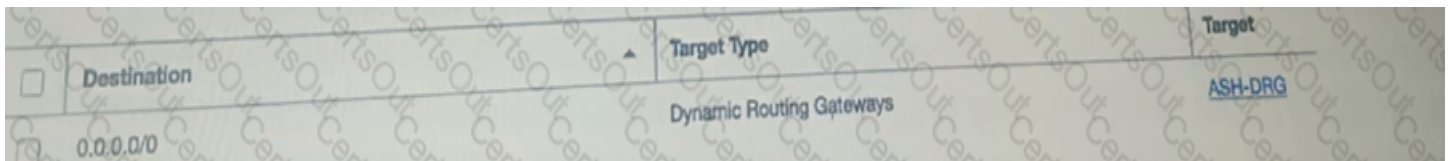


However, you are still unable to connect to the Oracle Database system.

Which action will resolve this issue?

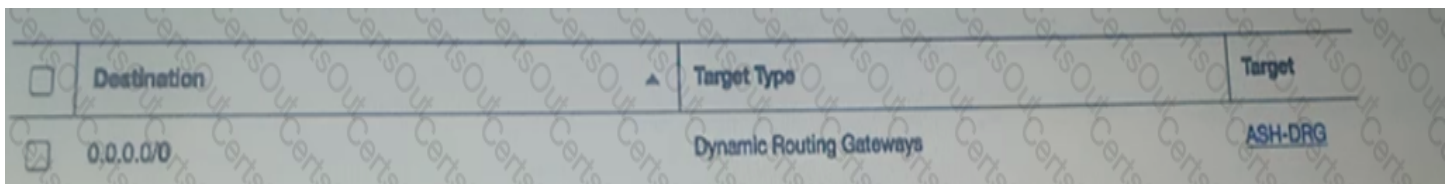
A)

Add an EGRESS rule in network security group as following.



B)

Add a route rule in the private subnet route table as following.



C)

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

Stateless	Destination	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
Yes	172.17.0.0/24	TCP	1521	All		TCP traffic for port s: All

D)

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

Stateless	Destination	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
No	172.17.0.0/24	TCP	All	1521		TCP traffic for port s: 1521

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

Question #:3

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

- 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

A digital marketing company is planning to host a website on Oracle Cloud Infrastructure (OCI) and leverage OCI Container Engine for Kubernetes (OKE). The web server will make API calls to access OCI Object Storage to store all images uploaded by users.

For security purposes, your manager instructed you to ensure that the credentials used by the web server to allow access not stored locally on the compute instance.

What solution results in an Implementation with the least effort for this scenario?

- A. Configure the credentials using Instance Principal to allow the web server to make API calls to OCI Object Storage
- B. Configure the credentials using OCI Registry (OCIR) which will automatically connect with OKE allowing the web server to make API calls to OCI Object Storage.
- C. Configure the credentials to use Transparent Data Encryption (TDE) which will automatically allow the web server to make API calls to OCI Object Storage.
- D. Configure the credentials using OCI Key Management to allow an instance to make API calls and grant access to OCI Object Storage.

Answer: C

Explanation**INSTANCE PRINCIPALS**

The IAM service feature that enables instances to be authorized actors (or principals) to perform actions on service resources. Each compute instance has its own identity, and it authenticates using the certificates that are added to it. These certificates are automatically created, assigned to instances and rotated, preventing the need for you to distribute credentials to your hosts and rotate them.

Dynamic groups A special type of group that contains resources (such as compute instances) that match rules that you define (thus the membership can change dynamically as matching resources are created or deleted). These instances act as "principal" actors and can make API calls to services according to policies that you write for the dynamic group.

The following steps summarize the process flow for setting up and using instances as principals. The subsequent sections provide more details.

- 1 Create a dynamic group. In the dynamic group definition, you provide the matching rules to specify which instances you want to allow to make API calls against services.
- 2 Create a policy granting permissions to the dynamic group to access services in your tenancy (or compartment).
- 3 A developer in your organization configures the application built using the Oracle Cloud Infrastructure SDK

to authenticate using the instance principals provider. The developer deploys the application and the SDK to all the instances that belong to the dynamic group.

4 The deployed SDK makes calls to Oracle Cloud Infrastructure APIs as allowed by the policy (without needing to configure API credentials).

5 For each API call made by an instance, the Audit service logs the event, recording the OCID of the instance as the value of principalId in the event log.

Question #:5

A manufacturing company is planning to migrate their on-premises database to Oracle Cloud Infrastructure and has hired you for the migration. Customer has provided following information regarding their existing on-premises database:

Database version, database character set, storage for data staging, acceptable length of system outage.

What additional information do you need from customer in order to recommend a suitable migration method? (Choose Two)

- A. On-Premises host operating system and version.
- B. Number of active connections.
- C. Data types used in the on-premises database.
- D. Elapsed time since database was last patched.
- E. Top 5 longest running queries.

Answer: A C

Question #:6

An upcoming e-commerce company has deployed their online shopping application on OCI. 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. The autoscaling has already scaled to the maximum number of instances specified in the configuration and there is no room of scaling

Answer: A D

Question #:7

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 toad 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.

Answer: C

Explanation

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

Question #:8

A large financial company has a web application hosted in their on-premises data center. They are migrating their application to Oracle Cloud Infrastructure (OCI) and require no downtime while the migration is on-going. In order to achieve this, they have decided to divert only 30% of the application works fine, they divert all traffic to OCI.

As a solution architect working with this customer, which suggestion should you provide them?

- A. Use OCI Traffic management with failover steering policy and distribute the traffic between OCI and on premises infrastructure.
- B. Use OCI Traffic management with Load Balancing steering policy and distribute the traffic between OCI and on premises infrastructure.
- C. Use an OCI load Balancer and distribute the traffic between OCI and on premises infrastructure.
- D. Use VPN connectivity between on premises Infrastructure and OCI, and create routing tables to distribute the traffic between them.

Answer: B

Explanation

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.

Question #:9

As an administrator you want to give users of ObjectWriters group full access to bucket Bucket-A and its objects in compartment comp-images. You want users of ObjectWriters to not be able to access or modify properties of any other buckets and its objects in the compartment comp-images.

Select the statement(s) below that will best define your IAM policies.

- A. Allow group ObjectWriters to manage buckets in compartment comp- images
Allow group ObjectWriters to manage objects in compartment comp-images where target.bucket.name='Eucket-A'
- B. Allow group ObjectWriters to manage buckets in compartment comp-images where target.bucket.name=' Bucket-A'
- C. Allow group ObjectWriters to inspect buckets in compartment comp-images
Allow group ObjectWriters to read buckets in compartment comp-images where target.bucket.name=' Bucket-A''

Allow group ObjectWriters to manage objects in compartment comp-images where target.bucket.name='Bucket-A'

D. Allow group ObjectWritexs to read buckets in compartmentcomp-images

Allow group ObjectWriters to manage objects in compartment comp- images where target.bucket.name= 'Bucket-A'

Answer: C

Question #:10

You are trying to delete a compartment. The delete operation is failing and you need to troubleshoot the problem.

Which step should NOT be considered when troubleshooting this issue?

- A. Verify that there are no policies In the root compartment that reference the compartment you are trying to delete.
- B. Verify that you have removed all resources from the compartment.
- C. Make sure you have at least one more compartment in your tenancy other than the root compartment.
- D. Search for resources in the compartment for each region that your tenancy is subscribed to.

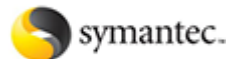
Answer: A

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