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QUESTION 1

A retail company runs their online shopping platform entirely on Oracle cloud Infrastructure (OCI). This is a 3-tier web application that Includes a Mbps Load Balancer. Virtual Machine Instances for web and an Oracle DB Systems Virtual Machine Due to unprecedented growth, they noticed an Increase in the Incoming traffic to their website and all users start getting 503 (Service Unavailable) errors. What is the potential problem in this scenario?

- A. The Load Balancer health check status Indicates critical situation for half of the backend webserver
- B. All the web servers are too busy and not able to answer any request from users.
- C. The Database Is down hence users can not access the web site
- D. The Traffic Management Policy is not set to load Balancer the traffic to the web servers.
- E. You did not configure a Service Gateway to allow connection between web servers and load Balance

Correct Answer: B

A 503 Service Unavailable Error is an HTTP response status code indicating that a server is temporarily unable to handle the request. This may be due to the server being overloaded or down for maintenance.

QUESTION 2

You are designing the network infrastructure for an application consisting of a web server (server-1) and a Domain Name Server (server-2) running in two different subnets inside the same Virtual Cloud Network (VCN) in Oracle Cloud Infrastructure (OCI). You have a requirement where your end users will access server-1 from the internet and server-2 from your customer's on-premises network. The on-premises network is connected to your VCN over a FastConnect virtual circuit. How should you design your routing configuration to meet these requirements?

- A. Configure a single routing table with two set of rules: one that has route to internet via an Internet Gateway and another that propagates specific routes for the on-premises network via a Dynamic Routing Gateway. Don't associate this routing table with any of the subnets in the VCN.
- B. Configure a single routing table with two set of rules: one that has route to internet via an Internet Gateway and another that propagate specific routes to the on-premises network via a Dynamic Routing Gateway. Associate the routing table with all the VCN subnets.
- C. Configure two routing tables: first one with a route to internet via an Internet gateway; associate this route table to the subnet containing server-1 .Configure the second route table to propagate specific routes to the on-premises network via a Dynamic Routing Gateway; associate this route table to subnet containing server-2.
- D. Configure two routing tables that have rules to route all traffic via a Dynamic Routing Gateway. Associate the two routing tables with all the VCN subnets.

Correct Answer: C

QUESTION 3

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

QUESTION 4

You are running a legacy application in a compute instance on Oracle Cloud Infrastructure (OCI). To provide enough space for it to store internal data, a block volume is attached to the instance in paravirtualized mode. Your application is not resilient to crash-consistent backup. What should you do to backup the block volume in a secure and cost effective way? (Choose the best answer.)

- A. Save your application data, detach the block volume and create a clone.
- B. Create a volume group, add the boot volume and then run the volume group backup.
- C. Create a backup, detach the block volume and save your application data.
- D. Save your application data, detach the block volume and create a backup.

Correct Answer: D

QUESTION 5

Your company developed a function that needs to access the Oracle Database to inject some data to it at runtime. You are tasked to move this function to the Oracle Cloud Infrastructure (OCI) and use Oracle Functions and access Oracle Autonomous Database. You created a Dockerfile below to run this function, however, you are getting this error "cx_Oracle.DatabaseError: ORA""12560: TNS:protocol adapter error".

**Dockerfile:**

```
FROM oraclelinux:7-slim
```

```
RUN yum -y install oracle-release-el7 oracle-nodejs-release-el7 && \
yum-config-manager --disable o17_developer_EFEL && \
yum -y install oracle-instantclient19.3-basiclite nodejs && \
rm -rf /var/cache/yum
```

```
WORKDIR /function
```

```
ADD . /function/
```

```
RUN npm install
```

```
CMD exec node func.js
```

What should you do to make sure that Oracle Functions can run this Dockerfile properly? (Choose the best answer.)

- A. Add these two lines to your Dockerfile: groupadd ""gid 1000 fn andand \ adduser ""uid 1000 ""gid fn fn
- B. Use ""privileged flag while running the Docker container to add runtime privilege
- C. Use ""cap""add=ALL flag while running the Docker container to add runtime capability
- D. You ned to run this Container as root, so add this line: USER root

Correct Answer: A

<https://docs.cloud.oracle.com/en-us/iaas/Content/Functions/Tasks/functionsrunningasunprivileged.htm>

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