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Oracle Cloud Infrastructure 2020 Architect Professional

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QUESTION 1

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 2

You are trying to troubleshoot the configuration of your Oracle Cloud Infrastructure (OCI) Load Balancing service. You have a backend HTTP service for which you have created a backend set in the load balancer. You have configured health checks for the backend set. Although the health checks appear good, customers sometimes experience transaction failures.

Which of the following options will definitely lead to this problem?

- A. You are NOT using regional subnets in your Virtual Cloud Network. With Availability Domain (AD) specific subnet. the compute instances of the backend service running in the subnet have issues when the AD is down.
- B. You are using OCI Domain Name System. You have misconfigured the 'A' record with the wrong IP address leading to requests not getting routed correctly.
- C. You are using iSCSI for block volume attachment to the compute instances in your backed HTTP service. TCP/IP configuration of your block volume attachment is not configured correctly, leading to issues in your backend service.
- D. You are running a TCP-level health check against your HTTP service. The TCP handshake can succeed and indicate that the service is up even when the HTTP service has issues.

Correct Answer: D

QUESTION 3

A retail company has several on-premise data centers which span multiple geographical locations. They plan to move many of their business critical applications to Oracle Cloud Infrastructure (OCI). These applications require highly available network connections between on-premises and OCI.

Which option provides the highest level of redundancy?

- A. Set up both Site-to-Site VPN and Fast Connect connections from OCI to separate edge devices on-premises.

- B. Set up Site-to-Site VPN connection with two redundant tunnels from the on-premises edge device to OCI.
- C. Use either a Site-to-Site VPN or FastConnect connection to connect to an on-premises edge device, since OCI provides network redundancy by default.
- D. Set up Fast Connect with the colocation with Oracle option, and a compatible edge device on- premises.
- E. Use transit routing by deploying a hub Virtual Cloud Network (VCN) in OCI peered with application VCNs as spokes, and with an on-premises edge device with two redundant tunnels in Site-to-Site VPN.

Correct Answer: A

QUESTION 4

Which three scenarios are suitable for the use of Oracle Cloud Infrastructure (OCI) Autonomous Transaction Processing - Serverless (ATP-S) deployment? (Choose three.)

- A. A well-established, online auction marketplace is running an application where there is database usage 24x7, but also has peaks of activity that are hard to predict. When the peaks happen, the total activities may reach 3 times the normal activity level.
- B. A midsize company is considering migrating its legacy on-premises MongoDB database to Oracle Cloud Infrastructure (OCI). The database has significantly higher workloads on weekends than weekdays.
- C. A manufacturing company is running Oracle E-Business Suite application on-premises. They are looking to move this application to OCI and they want to use a managed database offering for their database tier.
- D. A developer working on an internal project needs to use a database during work hours but doesn't need it during nights or weekends. The project budget requires her to keep costs low.
- E. A small startup is deploying a new application for eCommerce and it requires a database to store customers' transactions. The team is unsure of what the load will look like since it is a new application.

Correct Answer: ADE

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-e17 oracle-nodejs-release-e17 && \
yum-config-manager --disable o17_developer_EPEL && \
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` and `adduser ""uid 1000 ""gid 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 need 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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