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Oracle Cloud Infrastructure 2020 Architect Professional

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**QUESTION 1**

A company has an urgent requirement to migrate 300 TB of data to Oracle Cloud Infrastructure (OCI) in two weeks. Their data center has been recently struck by a massive hurricane and the building has been badly damaged, although still operational. They have a 100 Mbps Internet line but the connection is intermittent due to the damages caused to the electrical grid.

In this scenario, what is the most effective service to use to migrate the data to OCI given the time constraints?

- A. Setup a OCI Storage Gateway to connect your data center and your VCN. Once the connection has been established, upload all data to OCI using OCI Storage Gateway Cloud Sync tool.
- B. Setup a hybrid network by launching a 1Gbps FastConnect virtual circuit between your data center and OCI. Use OCI Object storage multipart upload tool to automate the migration of your data to OCI.
- C. Use multiple OCI Data Transfer Appliances to transfer data to OCI.
- D. Upload the data to OCI using OCI Object Storage multipart upload tool.
- E. Storage Gateway to connect your data center and your VCN. Once the connection has been established, upload all data to OCI.

Correct Answer: C

Due to the network speed is not good enough and the connection is intermittent due to the damages caused to the electrical grid Oracle offers offline data transfer solutions that let you migrate data to Oracle Cloud Infrastructure. You have 2 options of Data Transfer: DISK-BASED DATA TRANSFER: You send your data as files on encrypted commodity disk to an Oracle transfer site. Operators at the Oracle transfer site upload the files into your designated Object Storage bucket in your tenancy. APPLIANCE-BASED DATA TRANSFER: you send your data as files on secure, high-capacity, Oracle-supplied storage appliances to an Oracle transfer site. Operators at the Oracle transfer site upload the data into your designated Object Storage bucket in your tenancy.

QUESTION 2

You have been asked to implement a bespoke financial application in Oracle Cloud Infrastructure using virtual machine instances controlled by Autoscaling across multiple Availability Domains. The application stores transaction logs, intermediate transaction data, and audit data and needs to store this on a persistent, durable data store accessible from all of the application servers. The application requires the file system to be mounted in the /audit folder on the Linux file system. The system needs to tolerate the failure of two or more Fault Domains and still maintain data integrity. The solution should be as low maintenance as possible.

What storage architecture should you suggest?

- A. Use locally attached NVMe instances and configure RAID 0 replication between servers.
- B. Implement a single instance and install an NFS server, configure and create an NFS share, and mount this as /audit on the application instances.
- C. Store the data on Oracle Object Storage mounted at the /audit mount point on all the Linux instances using the default mount options.
- D. Use File Storage Service (FSS). Configure FSS to operate from all Availability Domains the application servers operate in and mount the file system in the /audit folder.



Correct Answer: D

QUESTION 3

Which of the below options for private access to services within Oracle Cloud Infrastructure (OCI) is NOT valid?

- A. You cannot use the private endpoint for hosts in the on-premises network.
- B. Traffic from an OCI compute instance going through a Service Gateway to Object Storage is routed without being sent over the internet.
- C. You can enable private access to certain services within OCI from your Virtual Cloud Network by using either a private endpoint or a service gateway.
- D. The private endpoint gives hosts within your Virtual Cloud Network access to a given service within Oracle Cloud Infrastructure.

Correct Answer: A

QUESTION 4

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_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 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 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>

QUESTION 5

You have an application running in Microsoft Azure and want to use Oracle Autonomous Data warehouse (ADW) instance for running business analytics.

How can you build a secure solution for such a use-case?

- A. Connect the Oracle ADW in your VCN to the Microsoft Azure VNet over the internet.
- B. Create a software VPN connection between Oracle Cloud Infrastructure (OCI) Virtual Cloud Network (VCN) and Microsoft Azure Virtual Network (VNet) and connect the application with Oracle ADW instance.
- C. Setup an interconnect between OCI and Microsoft Azure using FastConnect and ExpressRoute. Use a Service Gateway in OCI Virtual Cloud Network to provide connectivity to the Oracle ADW instance for the application in Microsoft Azure VNet.
- D. Create a software Remote Peering Connection between Oracle Cloud Infrastructure (OCI) Virtual Cloud Network (VCN) and Microsoft Azure Virtual Network (VNet) and connect the application with Oracle ADW instance.

Correct Answer: C

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