



# 1Z0-997-20<sup>Q&As</sup>

Oracle Cloud Infrastructure 2020 Architect Professional

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### QUESTION 1

You are responsible for migrating your on premises legacy databases on 11.2.0.4 version to Autonomous Transaction Processing Dedicated (ATP-D) In Oracle Cloud Infrastructure (OCI). As a solution architect, you need to plan your migration approach.

Which two options do you need to implement together to migrate your on premises databases to OCI?

- A. Use Oracle Data Guard to keep on premises database always active during migration
- B. Retain changes to Oracle shipped privileges, stored procedures or views In the on- premises databases.
- C. Use Oracle GoldenGate replication to keep on premises database online during migration.
- D. Convert on-premises databases to PDB, upgrade to 19c, and encrypt Migration.
- E. Retain all legacy structures and unsupported features (e.g. raw U>Bs) In the onuses databases for migration.

Correct Answer: CD

Autonomous Database is an Oracle Managed and Secure environment. A physical database can\\'t simply be migrated to autonomous because:

- Database must be converted to PDB, upgraded to 19c, and encrypted
  - Any changes to Oracle shipped privileges, stored procedures or views must be removed
  - All legacy structures and unsupported features must be removed (e.g. legacy LOBs) GoldenGate replication can be used to keep database online during migration
- 

### QUESTION 2

You are a solutions architect for a global health care company which has numerous data centers around the globe. Due to the ever growing data that your company is storing, you were Instructed to set up a durable, cost effective solution to archive you data from your existing on-premises tape based backup Infrastructure to Oracle Cloud Infrastructure (OCI).

What is the most-effective mechanism to Implement this requirement?

- A. Use the File Storage Service in OCI and copy the data from your existing tape based backup to the shared file system
- B. Setup an on premises OCI Storage Gateway which will back up your data to OCI Object Storage Archive tier.
- C. Setup an on premises OCI Storage Gateway which will back up your data to OCI object Storage Standard tier. Use Object Storage life cycle policy management to move any data older than 30 days from Standard to Archive tier.
- D. Setup an on-premises OCI Storage Gateway which will back up your data to OCI Object Storage Standard
- E. Setup fastConnect to connect your on premises network to your OCI VCN and use rsync tool to copy your data to OCI Object Storage Archive tier.

Correct Answer: B



Oracle Cloud Infrastructure offers two distinct storage tiers for you to store your unstructured data. Use the Object Storage Standard tier for data to which you need fast, immediate, and frequent access. Use the Archive Storage service's Archive tier for data that you access infrequently, but which must be preserved for long periods of time. Both storage tiers use the same manageable resources (for example, objects and buckets). The difference is that when you upload a file to Archive Storage, the object is immediately archived. Before you can access an archived object, you must first restore the object to the Standard tier. you can use Storage Gateway to move files to Oracle Cloud Infrastructure Archive Storage as a cost effective backup solution. You can move individual files and compressed or uncompressed ZIP or TAR archives. Storing secondary copies of data is an ideal use case for Storage Gateway.

### QUESTION 3

You have configured backups for your Oracle Cloud Infrastructure (OCI) 2-node RAC DB systems on virtual machines. In the console, the database backup displays a Failed status.

Which of the following options is the most likely reason for this backup issue?

- A. The master key stored in OCI Key Management for encryption and decryption of data in the database is not accessible to the backup service.
- B. The auth token being used by the Object Store Swift endpoint is incorrect.
- C. The allocated storage on the OCI File Storage service file system attached with the database is full.
- D. The RMAN backup agent is not compatible with the version of database being used.

Correct Answer: B

### QUESTION 4

You want to automate the processing of new Image files to generate thumbnails. the expected rate is 10 new files every hour. Which of the following is the most cost effective option to meet this requirement in Oracle Cloud Infrastructure (OCI)?

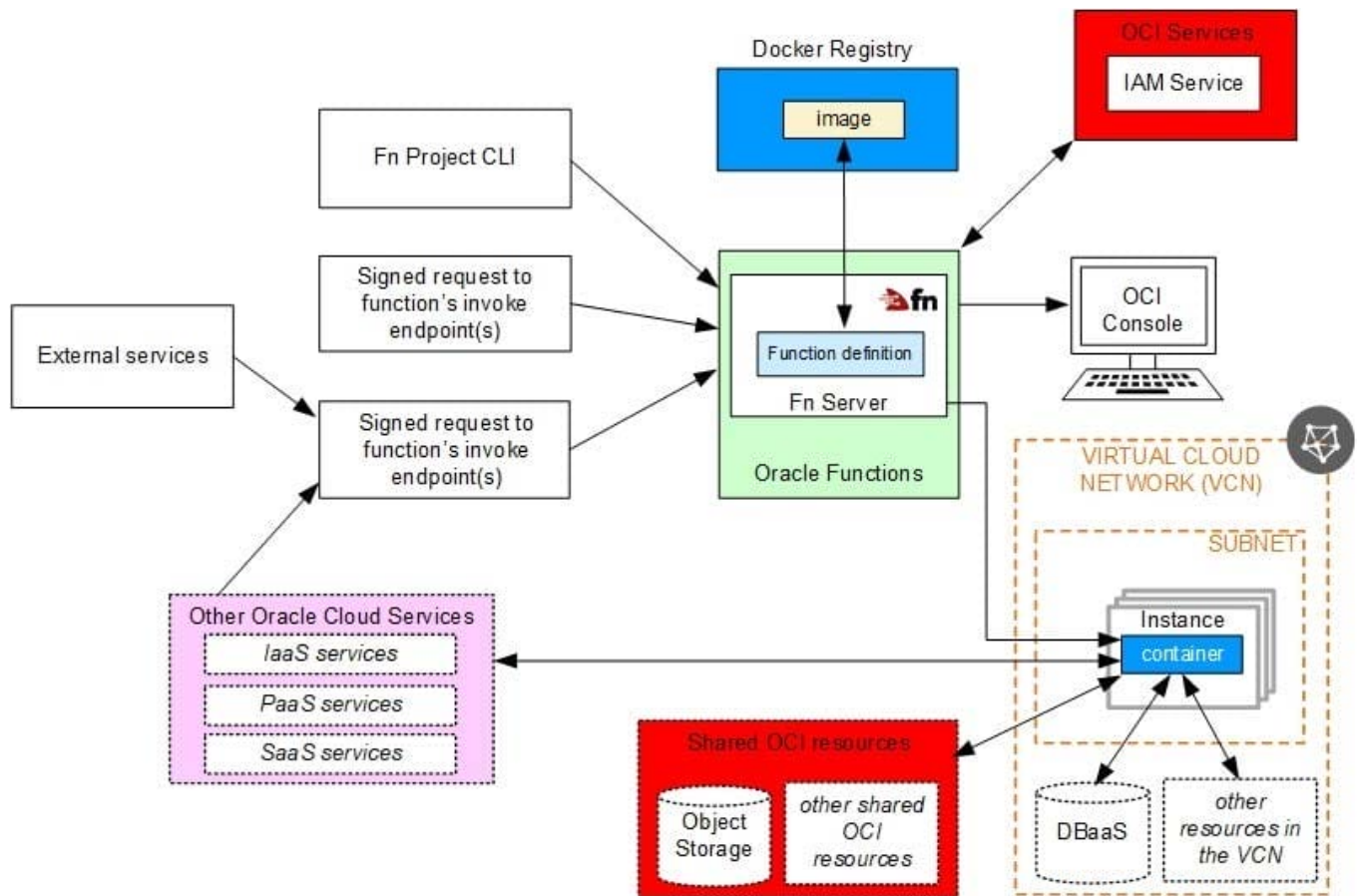
- A. Upload files to an OCI Object storage bucket. Every time a file is uploaded, an event is emitted. Write a rule to filter these events with an action to trigger a function in Oracle Functions. The function processes the image in the file and stores the thumbnails back in an Object storage bucket.
- B. Upload files to an OCI Object storage bucket. Every time a file is uploaded, trigger an event with an action to provision a compute instance with a cloud-init script to access the file, process it and store it back in an Object storage bucket. Terminate the instance using Autoscaling policy after the processing is finished.
- C. Build a web application to ingest the files and save them to a NoSQL Database. Configure OCI Events service to trigger a notification using Oracle Notification Service (ONS). ONS invokes a custom application to process the image files to generate thumbnails. Store thumbnails in a NoSQL Database table.
- D. Upload all files to an Oracle Streaming Service (OSS) stream. Set up a cron job to invoke a function in Oracle Functions to fetch data from the stream. Invoke another function to process the image files and generate thumbnails. Store thumbnails in another OSS stream.

Correct Answer: A

You can invoke a function that you've deployed to Oracle Functions by triggered by an event in the Events service when update the Object storage to fetch the data then the function can process the File and store back to Object



storage



## 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_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 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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