



# 1Z0-997-21<sup>Q&As</sup>

Oracle Cloud Infrastructure 2021 Architect Professional

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**QUESTION 1**

You want to automate the processing of new Image files to generate thumbnails. the expected rate is 10 new files every hour.

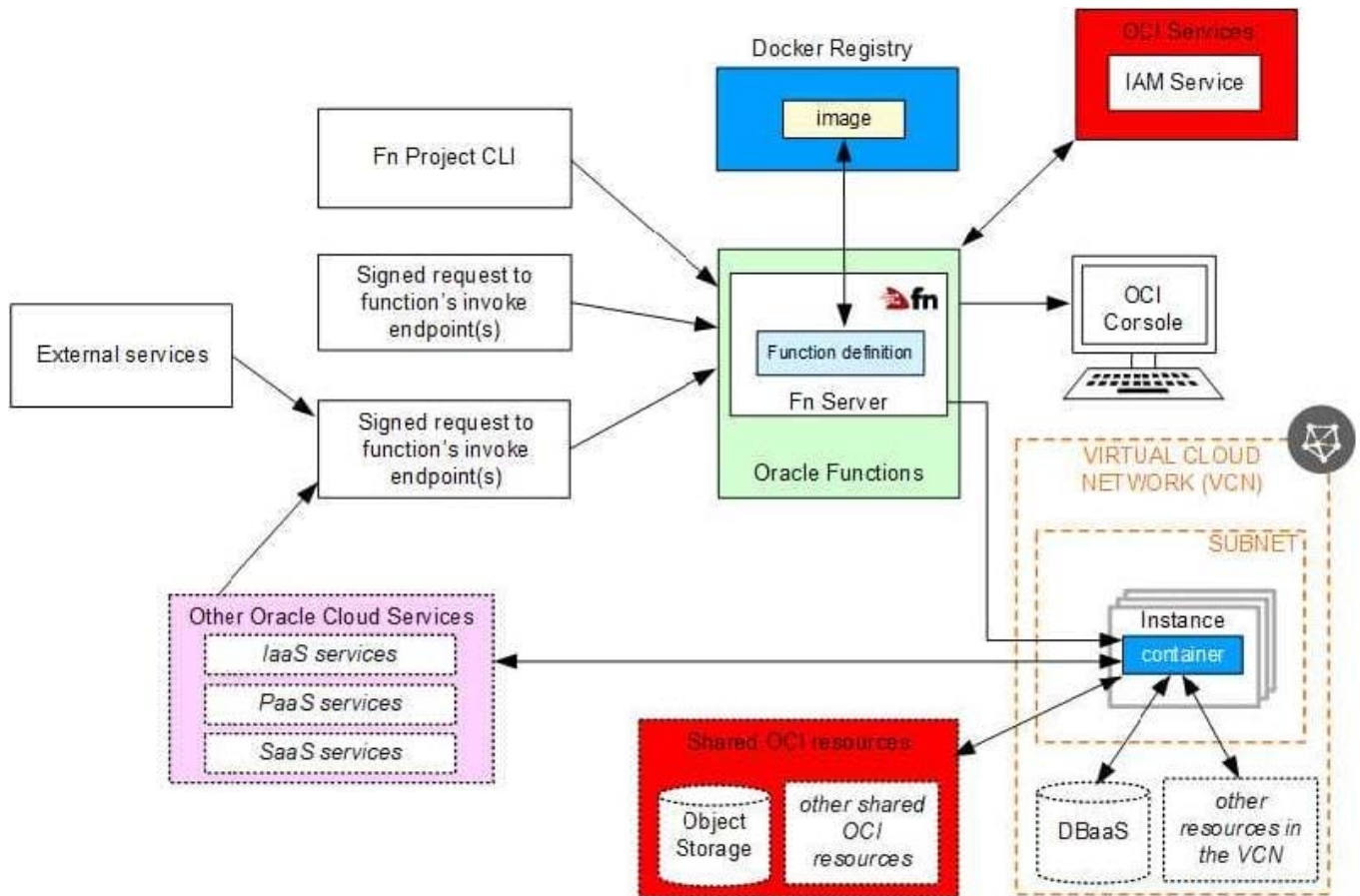
Which of the following is the most cost effective option to meet this requirement in Oracle Cloud

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 2**

To serve web traffic for a popular product, your cloud engineer has provisioned four BM.Standard2.52 instances, event spread across two availability domains in the us-asburn-1 region: LoadBalancer is used to deliver the traffic across instances. After several months, the product grows even more popular and you need additional compute capacity. As a result, an engineer provisioned two additional VM.Standard2.8 instances. You register the two VM. Standard2. 8 Instances with your load Balancer Backend sot and quickly find that the VM Standard2.8 Instances running at 100% of CPU utilization but the BM.Standard2 .52 instances have significant CPU capacity that\\'s unused. Which option is the most cost effective and uses instances capacity most effectively?

- A. Configure your Load Balance, with weighted round robin policy to distribute traffic to the compute instances, with more weight assigned to bare metal instances.
- B. Configure Autoscaling instance pool with LoadBalancer to add up to 3 more BM.Standard2.52 Instances when triggered. Shut off VM.Standard2.8 instances.
- C. Route traffic to BM.Standard2.52 and VM Standard2.8 instances directly using DNS and Health Checks. Shut off the load Balances.
- D. Configure LoadBalancer with two VM Standard2.8 instances and use Autoscalling Instant pool to add up to two additional VM instances. Shut off BM.Standard2.52 instances.

Correct Answer: A

Customer have 4 BM.Standard2.52 and After several months he need additional compute capacity customer find The VM Standard2.8 Instances running at 100% of CPU utilization but the BM.Standard2 .52 instances have significant CPU



capacity that unused. so the customer need to check the Load balance policy to make sure the 4 BM and VM is utilize correctly

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### QUESTION 3

Which three scenarios are suitable for the Oracle Infrastructure (OCI) Autonomous transaction Processing Server less (ATP-S) deployment?

- A. well established, online auction marketplace is running an application where there is database usage 24? but also has peaks of activity that the hard to predict when the peaks happen, the total activities may reach 3 times the normal activity level (Correct)
- B. A small startup is deploying a new application fen eCommerce and it requires database to store customers\\' transactions the team b of what the load will look like since it is a new application. (Correct)
- C. 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
- 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. (Correct)
- E. 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.

Correct Answer: ABD

MongoDB is a cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with schema, so the best to be migrated to Oracle NoSQL Database. <https://blogs.oracle.com/nosql/migrate-mongodb-data-to-oracle-nosql-database> Autonomous transaction Processing Serverless (ATP-S) isn\\'t supported yet for EBS database

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### QUESTION 4

A developer is using Oracle Functions to deploy her code as part of an event-driven solution in Oracle Cloud Infrastructure (OCI). When she invokes her function, Oracle Functions returns a FunctionInvokelImageNotAvailable message and a 502 error:

```
{"code":"FunctionInvokeImageNotAvailable","message":"Failed to pull function image"}
Fn: Error invoking function. status: 502 message: Failed to pull function image
```

Which of the following options is NOT a plausible reason for this error?

- A. Missing or invalid IAM policy to give Oracle Functions read access to images stored for functions in repositories in OCI Registry.
- B. The function does not exist in the specified location in OCI Registry.
- C. The VCN being used does not have an internet gateway or a service gateway configured for Oracle Functions to be able to access OCI Registry.
- D. OCI Events service rule is not configured with the correct location of the function in OCI Registry.



Correct Answer: D

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#### QUESTION 5

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 (OC1R) 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.

Correct Answer: A

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