1Z0-997-22^{Q&As}

Oracle Cloud Infrastructure 2022 Architect Professional

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QUESTION 1

A global media organization is working on a project which lets users upload their videos on their site. After upload is complete, the video should be automatically processed by an AI algorithm. The algorithm will try to recognize actions in the videos so that it can be used to show related advertisements in future. The development team wants to focus on writing AI code and don\'t want to worry about underlying infrastructure for high-availability, scalability, security and monitoring.

Which OCI services should you recommend for this project?

A. Use OCI Events service for triggering automatic processing of video, Oracle Container Engine for Kubernetes (OKE) and OCI Digital Assistant

B. Use Oracle Container Engine for Kubernetes (OKE) for deployment of AI Code, OCI Notifications and Object Storage

C. Use OCI Resource Manager to manage the underlying infrastructure, OCI Functions and OCI Events service.

D. Use Object Storage for storing videos, OCI Events service and OCI Functions

Correct Answer: D

Oracle Functions is a fully managed, multi-tenant, highly scalable, on-demand, Functions- as-a-Service platform. It is built on enterprise-grade Oracle Cloud Infrastructure and powered by the Fn Project open source engine. Use Oracle Functions (sometimes abbreviated to just Functions) when you want to focus on writing code to meet business needs. The serverless and elastic architecture of Oracle Functions means there\'s no infrastructure administration or software administration for you to perform. You don\'t provision or maintain compute instances, and operating system software patches and upgrades are applied automatically. Oracle Functions simply ensures your app is highly-available, scalable, secure, and monitored. With Oracle Functions, you can write code in Java, Python, Node, Go, and Ruby (and for advanced use cases, bring your own Dockerfile, and Graal VM). You can then deploy your code, call it directly or trigger it in response to events, and get billed only for the resources consumed during the execution.

You can create automation based on state changes for your Oracle Cloud Infrastructure resources by using event types, rules, and actions. When the function is executing inside the container, the function can read from and write to other resources and services running in the same subnet (for example, Database as a Service). The function can also read from and write to other shared resources (for example, Object Storage), and other Oracle Cloud Services.

QUESTION 2

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 all files to an Oracle Streaming Service (OSS) stream. Setup 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.

B. 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.

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 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.

Correct Answer: B

QUESTION 3

You are working on the migration of the web application infrastructure of your company from on-premises to Oracle Cloud Infrastructure. You need to ensure that the DNS cache entries of external clients will not direct them to the on-premises infrastructure after switching to the new infrastructure.

Which of the following options will minimize this problem?

A. Reduce the TTL of the DNS records after the switch.

B. DNS changes propagate fast enough that it is not necessary to take any action.

C. Increase the TTL of the DNS records before the switch.

D. Increase the TTL of the DNS records after the switch.

E. Reduce the TTL of the DNS records before the switch.

Correct Answer: E

QUESTION 4

A manufacturing company is planning to migrate their on-premises database to Oracle Cloud Infrastructure and has hired you for the migration. Customer has provided following information regarding their existing on-premises database:

Database version, database character set, storage for data staging, acceptable length of system outage.

What additional information do you need from customer in order to recommend a suitable migration method? (Choose Two)

A. On-Premises host operating system and version.

B. Number of active connections.

C. Data types used in the on-premises database.

D. Elapsed time since database was last patched.

E. Top 5 longest running queries.

Correct Answer: AC

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QUESTION 5

You are using the Oracle Cloud Infrastructure (OCI) OS Management service to manage updates and patches for the Oracle Linux 8 environments on your compute instances in OCI. You have verified that the OS Management Service Agent (osms-agent) is installed and running properly in the instances.

One of the compute instances is not getting the updates from OS Management Service. You use the following command to validatethatyourinstance cannot reach the OS Management Ingestion service by running curl https://ingestion.osms.

.oci.oraclecloud.com/

Which Is NOT a possible reason for this issue?

A. The instance Is in a private subnet with a NAT gateway.

B. The instance is in a private subnet with a privateendpointwith security rules configured to access the OS Managementingestion service

C. The instance is in a private subnet with a service gatewaythat uses the All Services in Oracle Services Network CIDR label.

D. The Instance is in a publicsubnet with an Internet gateway.

Correct Answer: B

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