1Z0-997-22 Q&As

Oracle Cloud Infrastructure 2022 Architect Professional

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QUESTION 1

Your organization needs to migrate legacy monolithic applications into cloud-native containerized RESTful microservices. The development team is testing the use of packaged procedures with containers in a fully serverless environment. Before migrating the existing code to production, the team decides to perform a lift and shift of the monolithic application and code the new features that are essential for serverless microservices.

You want to carry out a steady migration to the Oracle Cloud Infrastructure (OCI) platform, making the new microservice functionalities available while maintaining the monolithic application for all the other activities. You also want to integrate the legacy monolithic application with the new microservices to have a single interface with simplified management for auditing and monitoring while meeting operational and compliance requirements.

How can you meet this requirement?

A. Push the container image to OCIR, build a serverless function using the OCI Functions serviceBYOD (Bring-Your-Own-Dockerfile) feature, build an API deployment specification with serverless functions as the back-end, and use an OCI API gateway to provide front- end access to that function.

B. Push the container image to the OCI code repository, create an instance template with a Docker container running the image, and create an instance pool with autoscaling configuration. Use the OCI load balancer to provide an API endpoint to connect with the microservice.

C. Push the container image to the OCI code repository, build a serverless function using the OCI Functions service BYOD feature, build an API deployment specification with serverless functions as the back-end, and use an OCI API gateway to provide front-end access to that function.

D. Push the container image to OCIR, create an instance template with a Docker container running the image, and create an instance pool with autoscaling configuration. Use the OCI load balancer to provide an API endpoint to connect with the microservice.

Correct Answer: B

QUESTION 2

You are working as a solution architect for an online retail store to create a portal to allow the users to pay for their groceries using credit cards. Since the application is not fully compliant with the Payment Card Industry Data Security Standard (PCI DSS), your company is looking to use a third party payment service to process credit card payments.

The third party service allows a maximum of Spelunk IP addresses 5 public IP addresses at a time However, your website is using Oracle Cloud Infrastructure (OCI) Instance Pool Auto Scaling policy to create up to create up to 15 Instances during peak traffic demand, which are launched In VCN private in VCN private subnets and attached to an OCI public Load Balancer. Upon user payment, the portal connects to the payment service over the Interne! to complete the transaction

What solution can you implement to make sure that all compute Instances can connect to the third party system to process the payments aw peak traffic demand?

A. Route credit card payment request from the compute instances through the NAT Gateway. On the third-party services, whitelist the public IP associated with the NAT Gateway.

B. Create an OCI Command Line Interface (CLI) script to automatically reserve public IP address for the compute instances. On the third-party services, whitelist the Reserved public IP.

C. Whitelist the Internet Gateway Public IP on the third party service and route all payment requests through the Internet Gateway.

D. Route payment request from the compute instances through the OCI Load Balancer, which will then be routed to the third party service.

Correct Answer: A

Explanation: https://docs.oracle.com/en-us/iaas/Content/Balance/Concepts/balanceoverview.htm

QUESTION 3

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. taw 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 4

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 OCl Object Storage.

D. Configure the credentials using OCI Key Management to allow an instance to make API calls and grant access to OCl Object Storage.

Correct Answer: A

QUESTION 5

An OCI Architect is working on a solution consisting of analysis of data from clinical trials of a pharmaceutical company. The data is being stored in OCI Autonomous Data Warehouse (ADW) having 8 CPU Cores and 70 TB of storage. The architect is planning to setup autoscaling to respond to dynamic changes in the workload.

Which of the following needs to be considered while configuring auto scaling? Choose two

A. Enabling auto scaling does not change the concurrency and parallelism settings

B. Auto scaling also scales IO throughput linearly along with CPU

C. The database memory SGA and PGA will not get affected by the changes in the number of CPUs during auto scaling

D. The maximum CPU cores that will be automatically allocated for this database is 16 CPUs

Correct Answer: AB

Auto scaling is enabled by default when you create an Autonomous Database instance or you can use Scale Up/Down on the Oracle Cloud Infrastructure console to enable or disable auto scaling. With auto scaling enabled the database can

use up to three times more CPU and IO resources than specified by the number of OCPUs currently shown in the Scale Up/Down dialog. When auto scaling is enabled, if your workload requires additional CPU and IO resources the database

automatically uses the resources without any manual intervention required.

Enabling auto scaling does not change the concurrency and parallelism settings for the predefined services IO throughput depends on the number of CPUs you provision and scales linearly with the number of CPUs.