1Z0-997-21 $^{Q\&As}$

Oracle Cloud Infrastructure 2021 Architect Professional

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QUESTION 1

You have been asked to create a mobile application which will be used for submitting orders by users of a popular E-Commerce site. The application is built to work with Autonomous Transaction Processing -Serverless (ATP-S) database as the backend and HTML5 on Oracle Application Express as the front end. During the peak usage of the application you notice that the application response time is very slow. ATP-S database is deployed with 3 CPU cores and 1 TB of memory. Which two options are expensive or impractical ways to improve the application response times?

A. Identify the maximum memory capacity needed for peak times and scale the memory for the ATP- S database to that number. ATP-S will scale the memory down when not needed.

B. Use the Machine Learning (ML) feature of the ATP-S database iteratively to tune the SQL queries used by the application.

C. Scale up CPU core count and memory during peak times.

D. Enable auto scaling for CPU cores on ATP-S database.

E. Identify the maximum CPU capacity needed for peak times and scale the CPU core count for the ATPS database to that number. ATP-S will scale the CPU core count down when not needed.

Correct Answer: CE

QUESTION 2

Which of the following is NOT a good use case for the volume backup feature of the Oracle Cloud Infrastructure Block Volume service?

A. Support business continuity requirements of reducing the risk of outages or data mutation over time.

B. Meet compliance and regulatory requirements for data to remain unchanged over time, so that it can be retrieved for audit purposes.

C. Rapidly duplicate an environment in seconds to test configuration changes without impacting your production environment.

D. Retain a copy of data in a volume, so that you can duplicate an environment later or preserve the data for future use.

Correct Answer: C

QUESTION 3

A global retailer has decided to re-design its e-commerce platform to have a micro-services architecture.

They would like to decouple application architecture into smaller, independent services using Oracle Cloud

Infrastructure (OCI). They have decided to use both containers and servers technologies to run these

application instances.

Which option should you recommend to build this new platform?

A. Install a kubernetes cluster on OCI and use OCI event service.

B. Use Oracle Container Engine for kubernetes, OCI Registry and OCI Functions.

C. Use OCI Resource Manager to automate compute Instances provisioning and use OCI Streaming service.

D. Use OCI functions, OCI object storage and OCI event service.

Correct Answer: B

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.
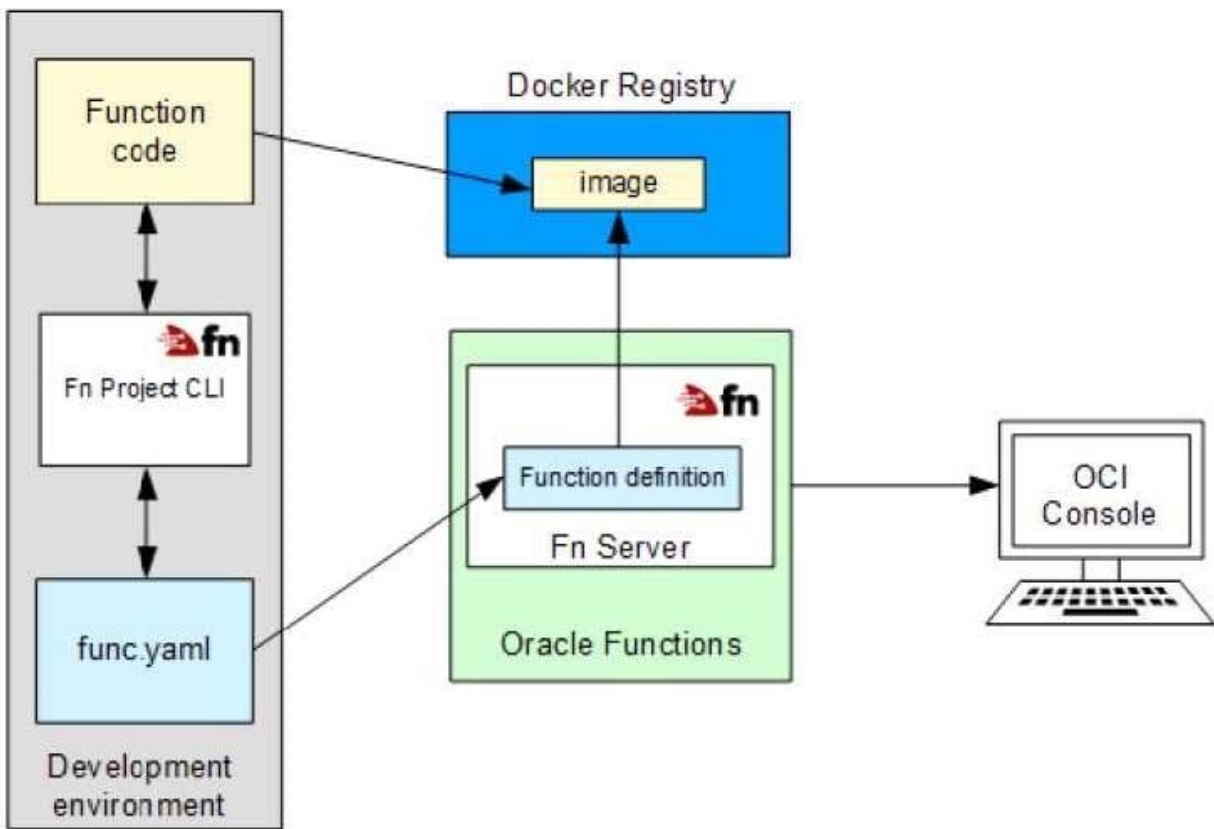
Oracle Cloud Infrastructure Container Engine for Kubernetes is a fully-managed, scalable, and highly available service that you can use to deploy your containerized applications to the cloud. Use Container Engine for Kubernetes (sometimes abbreviated to just OKE) when your development team wants to reliably build, deploy, and manage cloud-native applications. You specify the compute resources that your applications require, and Container Engine for Kubernetes provisions them on Oracle Cloud Infrastructure in an existing OCI tenancy.

QUESTION 4

You are trying to troubleshoot the configuration of your Oracle Cloud Infrastructure (OCI) Load Balancing service. You have a backend HTTP service for which you have created a backend set in the load balancer. You have configured health checks for the backend set. Although the health checks appear good, customers sometimes experience transaction failures. Which of the following options will definitely lead to this problem?

A. You are NOT using regional subnets in your Virtual Cloud Network. With Availability Domain (AD) specific subnet. the compute instances of the backend service running in the subnet have issues when the AD is down.

B. You are using OCI Domain Name System. You have misconfigured the \\'A\\' record with the wrong IP address leading to requests not getting routed correctly.

C. You are using iSCI for block volume attachment to the compute instances in your backed HTTP service. TCP/IP configuration of your block volume attachment is not configured correctly, leading to issues in your backend service.

D. You are running a TCP-level health check against your HTTP service. The TCP handshake can succeed and indicate that the service is up even when the HTTP service has issues.

Correct Answer: D

QUESTION 5

A cost conscious fashions design company which sells bags, clothes, and other luxury items has recently decided to more all of the their on-premises infrastructure Oracle Cloud Infrastructure (OCI), One of their on-premises application is running on an NGINX server and the Oracle Database is running in a 2 node Oracle Real Application Clusters (RAC) configuration. Based on cost considerations, what is an effective mechanism to migrate the customer application to OCI and set up regular automated backups?

A. Launch a compute Instance and run a NGINX server to host the application. Deploy a 2 node VM DB Systems with oracle RAC enabled import the on premises database to OCI VM DB Systems using oracle Data Pump and then enable automatic backups.

B. Launch a compute Instance and run an NGINX server to host the application. Deploy Exadata Quarter Rack, enable automatic backups and import the database using Oracle Data Pump.

C. Launch a compute Instance for both the NGINX application server and the database server. Attach block volumes on the database server compute instance and enable backup policy to backup the block volumes.

D. Launch a Compute instance and run a NGINX Server to host the application. Deploy a 2 node VM DB Systems with Oracle RAC enabled Import the on premises database to OCI VM DB Systems using data pump and then enable automatic backup- Also, enable Oracle Data Guard on the database server

Correct Answer: A

Based on cost considerations will exclude the Exadata. and there\\'s no need for Data Guard Cost Estimator
https://www.oracle.com/cloud/cost-estimator.html

Configuration Options	Pay As You Go	Monthly Flex	🗑
⌄ Database Cloud Service - OCI	$17,190	$11,460	🗑
› ☁ Database - OCI	$17,190	$11,460	🗑
⌄ Oracle Database Exadata Cloud Service	$120,000	$80,000	🗑
› ☁ Exadata	$120,000	$80,000	🗑