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Oracle Cloud Infrastructure 2021 Architect Professional

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QUESTION 1

You are part of a project team working in the development environment created in Oracle Cloud Infrastructure (OCI). You realize that the CIDR block specified for one of the subnets in a Virtual Cloud Network (VCN) is not correct and want to delete the subnet. While deleting you get an error indicating that there are still resources that you must delete first. The error includes the OCID of the VNIC that is in the subnet. Which of the following action you will take to troubleshoot this issue?

A. Use OCI CLI to call "network vnic" and "compute vnic-attachment" operations to find out the parent resource of the VNIC.

B. Use OCI CLI to delete the VNIC first and then delete the subnet.

C. Use OCI CLI to delete the subnet using -force option.

D. Copy and paste OCID of the VNIC in the search box of the OCI Console to find out the parent resource of the VNIC.

Correct Answer: A

QUESTION 2

Your Oracle database is deployed on-premises and has produced 100 TB database backup locally. You have a disaster recovery plan that requires you to create redundant database backups in Oracle Cloud Infrastructure (OCI).

Once the initial backup is completed, the backup must be available for retrieval in less than 30 minutes to support the Recovery Time Objective (RTO) of your solution. Which is the most cost effective option to meet these requirements?

A. Setup an IPsec VPNConnect between on-premises data center and OCI. Then to use OCI CLI command to upload database backups to OCI Object Storage Archive tier as the final destination.

B. Use OCI Storage Gateway to transfer the backup files to OCI Object Storage Archive tier as the final destination.

C. Setup a FastConnect connection between on-premises data center and OCI. Then to use OCI CLI command to upload database backups to OCI Object Storage Standard tier as the final destination.

D. Use OCI Storage Gateway to transfer the backup files to OCI Object Storage Standard tier as the final destination.

Correct Answer: D

QUESTION 3

A global retailer has decided to re-design its e-commerce platform to have a micro-services architecture.
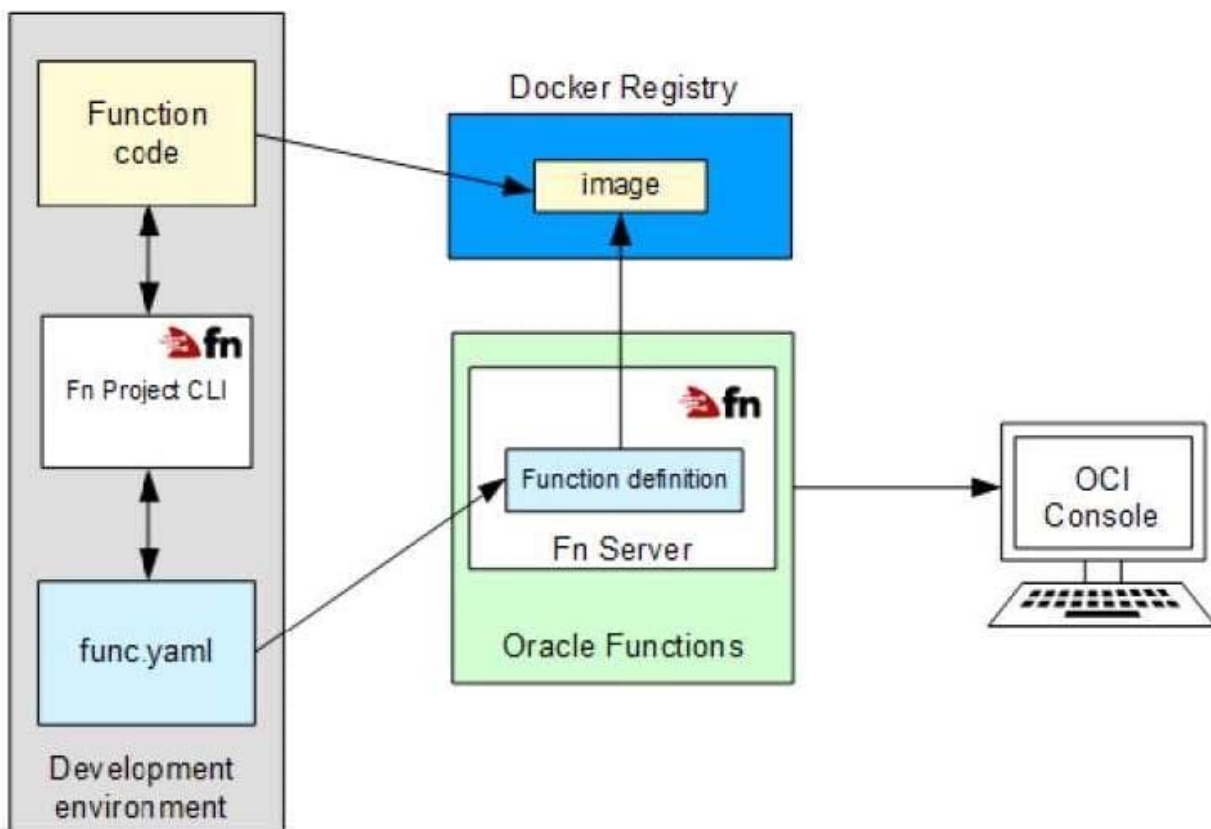
They would like to decouple application architecture into smaller, independent services using Oracle Cloud

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?

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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

An insurance company is storing critical financial data in the OCI block volume. This volume is currently encrypted using oracle managed keys. Due to regulatory compliance, the customer wants to encrypt the data using the keys that they can control and not the keys which are controlled by Oracle. What of the following series of tasks are required to encrypt the block volume using customer managed keys?
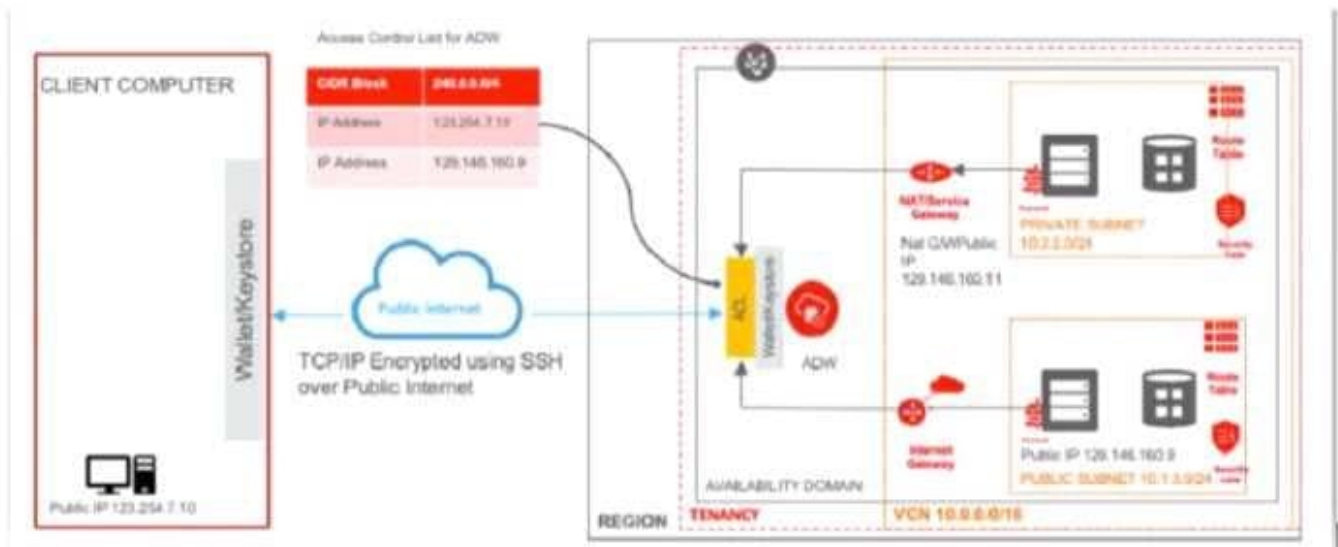

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A. Create a vault, import your master encryption key into the vault, generate data encryption key, assign data encryption key to the block volume

B. Create a master encryption key, create a data encryption key, decrypt the block volume using existing oracle managed keys, encrypt the block volume using the data encryption key

C. Create a vault, create a master encryption key in the vault, assign this master encryption key to the block volume D. Create a master encryption key, create a new version of the encryption key, decrypt the block volume using existing oracle managed keys and encrypt using new version of the encryption key

Correct Answer: C

Oracle Cloud Infrastructure Vault lets you centrally manage the encryption keys that protect your data and the secret credentials that you use to securely access resources. You can use the Vault service to create and manage the following resources: Vaults Keys Secrets Vaults securely store master encryption keys and secrets that you might otherwise store in configuration files or in code. The Vault service lets you create vaults in your tenancy as containers for encryption keys and secrets. If needed, a virtual private vault provides you with a dedicated partition in a hardware security module (HSM), offering a level of storage isolation for encryption keys that\\'s effectively equivalent to a virtual independent HSM.

QUESTION 5

You have designed and deployed your Autonomous Data Warehouse (ADW) such that it is accessible from your on-premises data center and servers running on both private and public networks in Oracle Cloud Infrastructure (OCI).

As you are testing the connectivity to your ADW database from the different access paths, you notice that the server running on the private network is unable to connect to ADW. Which two steps do you need to take to enable connectivity from the server on the private network to ADW? (Choose two.)

A. Add an entry in the Security List of the ADW allowing ingress traffic for C10R block 10.2.2.0/24

B. Add an entry in the route table (associated with the private subnet) with destination of 0.0.0.0/: target type of NAT Gateway, add a stateful egress rule to the security list (associated with the private subnet) with destination of 0.0.0.0./0 and for all IP protocols.

C. Add an entry in the access table list of ASW for CIDR block 10.2.2.0/24.

D. Add an entry in the route table (associated with the private subnet) with destination of 0.0.0.0./0; target type of internet Gateway, add a stateful egress in the security list (associated with the private subnet) with destination of 0.0.0.0/0 and for all IP protocols.

E. Add an entry in the access control list of ADW for IP address 129.146.160.11

Correct Answer: BE

There are 3 connections to ADW 1- Connecting to (ADW) from Public Internet 2- Connecting to ADW (via NAT or Service Gateway) from a server running on a private subnet in OCI (in the same tenancy) 3- Connecting to ADW (via internet Gateway) from a server running on a public subnet in OCI (in the same tenancy