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Oracle Cloud Infrastructure Migration Architect Professional



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Question: 1

As a migration architect, you are tasked with transferring objects across buckets within the same region and to buckets in different regions. Which feature of Oracle Cloud Infrastructure (OCI) Object Storage should you utilize to accomplish this data migration?

- A. Object Transition
- B. Object Copy
- C. Object Move
- D. Object Mirroring

Answer: B

Explanation:

Object Copy in OCI Object Storage allows you to make a copy of an object within the same bucket, across buckets within the same region, or to buckets in different regions. This feature is specifically designed for accomplishing data migration tasks within OCI Object Storage.

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Question: 2

You are working on a migration initiative as part of a cloud transformation project and leveraging Oracle Cloud Migrations service. Which is a valid use case for Oracle Cloud Migrations service?

- A. Migrate Virtual Machines from an on-premises environment to containers in Oracle Container Engine for Kubernetes (OKE)
- B. Migrate Virtual Machines from an on-premises environment to Oracle Cloud VMware Solution (OCVS)
- C. Migrate Compute instances between different OCI Regions
- D. Migrate Virtual Machines from an on-premises environment to OCI Compute instances

Answer: D

Explanation:

Migrating Virtual Machines from an on-premises environment to OCI Compute instances is a valid use case for Oracle Cloud Migrations service. This service allows for the seamless migration of Virtual Machines to Oracle Cloud Infrastructure Compute instances, enabling organizations to leverage the benefits of cloud infrastructure.

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Question: 3

How does the Copy to another region feature in Oracle Cloud Infrastructure (OCI) aid in achieving smooth transitions during Block Volume migration?

- A. It compresses backup data before transferring, thereby expediting the migration process
- B. It automates the migration process by transferring applications between regions
- C. It ensures real-time data synchronization during migration for minimal downtime
- D. It replicates Block Volume backups to a target region, enabling smooth data migration

Answer: D

Explanation:

The correct choice is that the Copy to another region feature in OCI aids in achieving smooth transitions during Block Volume migration by replicating Block Volume backups to a target region. This enables a seamless data migration process without the need for manual backup and restore operations.

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Question: 4

You have been tasked with provisioning an Oracle Cloud Infrastructure Container Engine for Kubernetes (OKE) cluster to deploy new applications and manage existing ones. Which two statements are FALSE?

- A. To access the cluster using kubectl, you have to set up a Kubernetes manifest file stored in the \$HOME/.manifest directory
- B. When a cluster's Kubernetes API endpoint has a public IP address, you can access the cluster in Cloud Shell by setting up a kubeconfig file
- C. The only available option when a cluster's Kubernetes API endpoint has a public IP address is to control the cluster locally using kubectl and the Kubernetes Dashboard
- D. To access the cluster using kubectl, you have to set up a Kubernetes configuration file stored in the \$HOME/.kube directory

Answer: A, C

Explanation:

Setting up a Kubernetes manifest file in the \$HOME/.manifest directory is not a standard practice for accessing a Kubernetes cluster using kubectl. Manifest files are used to define and manage Kubernetes resources, such as pods, deployments, and services, but they are not used for configuring access to the cluster.

While controlling the cluster locally using kubectl and the Kubernetes Dashboard is one way to interact with a cluster, it is not the only available option when a cluster's Kubernetes API endpoint has a public IP address. You can also access and manage the cluster remotely using kubectl from any environment that has network connectivity to the cluster.

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Question: 5

What is the primary purpose of deploying a Remote Agent Appliance in an on-premises environment when using the Oracle Cloud Migrations (OCM) service?

- A. To perform real-time data compression and deduplication of the source data to be transferred to OCI
- B. To serve as a temporary storage buffer to cache data before it is transferred to OCI
- C. To facilitate direct VPN connectivity between the on-premises data center and OCI
- D. To discover on-premises workloads and provide detailed inventory information to OCI

Answer: D

Explanation:

The primary purpose of deploying a Remote Agent Appliance in an on-premises environment is to discover on-premises workloads and provide detailed inventory information to OCI. This information is crucial for planning and executing migrations to Oracle Cloud.

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Question: 6

You are setting up Oracle Cloud Migrations (OCM) service for migrating workloads to Oracle Cloud Infrastructure (OCI). As part of the initial configuration, a Source Environment is created with Remote connection agents and Agent Dependency. However, the Replication plugin indicates the status as Inactive. What is the likely reason for this issue?

- A. The replication plugin does not support encrypted VM disk files
- B. The OCI tenancy has exceeded its service limit for compute instances, preventing the replication plugin from provisioning necessary resources
- C. The source VMs are using an unsupported file system that the replication plugin is unable to process
- D. The VDDK (Virtual Disk Development Kit) file required by the replication plugin is missing in the OCI Object Storage

Answer: D

Explanation:

The VDDK file is essential for the replication plugin to access and replicate VM disk files. If this file is missing in the OCI Object Storage, the replication plugin will be unable to function properly, resulting in an inactive status.

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Question: 7

You are a migration architect responsible for migrating 100 TB of on-premises data to Oracle Cloud Infrastructure (OCI). Because of limited bandwidth and security concerns, transferring the data over the public Internet is not feasible. Which OCI service would you recommend to efficiently transfer the large volume of on-premises data to OCI while ensuring data security?

- A. Snowball
- B. Data Transfer Service
- C. Data Integration
- D. Storage Gateway

Answer: B

Explanation:

Data Transfer Service in OCI is specifically designed for efficiently transferring large volumes of data to OCI while ensuring data security. It provides high-speed data transfer over dedicated network connections, making it the ideal choice for migrating 100 TB of on-premises data to OCI.

Question: 8

You plan to use Oracle Zero Downtime Migration to perform offline or online migration of Oracle databases, where the migration method type may be Physical or Logical. Which three migration methods does Oracle Zero Downtime Migration provide?

- A. Remote Cloning
- B. OCI Golden Gate
- C. Data Pump
- D. Data Guard
- E. Unplug and Plug Database

Answer: C, D, E

Explanation:

Data Pump, Unplug and Plug Database, and Data Guard are all valid migration methods provided by Oracle Zero Downtime Migration, which allows for the migration of Oracle databases with minimal downtime.

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