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Oracle Cloud Infrastructure 2020 Architect Professional

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QUESTION 1

A data analytics company has been building its next-generation big data and analytics platform on Oracle Cloud Infrastructure (OCI) in the US East (Ashburn) region. They need a storage service that provides the scale and performance that their big data applications require such as high throughput to compute nodes coupled with low latency file operations.

In addition, they need to allow concurrent connections from multiple compute instances hosted in multiple Availability Domains and want to be able to quickly restore a previous version of the data in case of a need to roll back any major update.

Which option can they use to meet these requirements in the most cost-effective way?

A. Create a file system and mount target in the OCI File Storage service. Mount it into all the required compute instances. Take snapshots of the file system before each update.

B. Create block volume, attach it with read/write, shareable access type to all the required compute instances. Take a backup of the volume before each update.

C. Create an Object Storage bucket with object versioning enabled. Provision a compute instance to host the Storage Gateway and share the bucket via NFS, Mount the NFS into all the required compute instances.

D. Create a connection with the on-premises data center via FastConnect. Mount the shared NFS hosted on-premises.

Correct Answer: A

QUESTION 2

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	🗑

QUESTION 3

You are working with a customer who needs to attach an Oracle Cloud Infrastructure (OCI) block volume to a VM instance with read/write access type. The customer wants to know if the number of IOPS and throughput performance differs between the following two choices:

Option A: attach a single 1 TB block volume to the VM instance Option B: attach two separate 500 GB block volumes In a RAID 0 array configuration to the VM instance

You can assume that the customer is using iSCSI attachment type to attach the volumes to the instance. In addition, you can assume 1 MB block size for throughput and 4 KB block size for IOPS consideration.

How should you respond to the customer?

A. Option B provides higher level of throughput, but lower level of IOPS performance.

B. Both options provide the same number of IOPS and throughput performance.

C. Option A provides better IOPS, but lower throughput performance.

D. Option B provides better IOPS and throughput performance.

Correct Answer: B

QUESTION 4

As part of planning the network design on Oracle Cloud Infrastructure, you have been asked to create an Oracle Cloud Infrastructure Virtual Cloud Network (VCN) with 3 subnets, one in each Availability Domain. Each subnet needs to have a minimum of 64 usable IP addresses.

What is the smallest subnet and VCN size you should use to implement this design?

A. 122 for the VCN; 124 for the subnets

B. /23 for the VCN; /25 for the subnets

C. /24 for the VCN; /24 for the subnets

D. /22 for the VCN; /25 for the subnets

Correct Answer: B

QUESTION 5

There are two compartments: Networks and DevInstances There are two groups: NetworkAdmins with a user named Nick, and Devs with a user named Dave The following IAM policies are being used: *Allow group NetworkAdmins to manage virtual-network-family in compartment Networks *Allow group NetworkAdmins to manage instance-family in compartment Networks *Allow group Devs to use virtual-network-family in compartment Networks *Allow group Devs to manage all-resources in compartment DevInstances Nick creates a VCN in Networks compartment. Dave creates a VCN in DevInstances compartment. Which of the following statements is INCORRECT?

A. Dave launches instances in DevInstances using the VCN in Networks compartment

B. Nick cannot launch new instances in DevInstances compartment

C. Nick launches instances in Networks using VCN in DevInstances compartment

D. Dave cannot launch new instances in Networks compartment

Correct Answer: C

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