

2021

OCI Architect Associate 2021 Exam Guide

Q&A
GOPINATHAN

Contents

Object Storage.....	2
Block Volume / File Storage / boot volume	10
IAM / Policy.....	22
Compartments	29
VCN – Subnet – FastConnect – DRG – DNS.....	32
Log Analytics / Monitoring / Alarm	45
Vault Service / Encryption / Security / Cloud Guard	50
Data Base – No SQL – OLTP / OLAP	54
Load Balancer / WAF / Data Guard / OKE / Functions	62
OS Mgmt – Terraform.....	68
Compute Instance / Bare Metal / Auto Scaling.....	69

Object Storage

1. At which level is versioning defined in object storage?

Defined at the fault domain level

Defined at the Availability Domain Level

Defined at the visibility level

Defined at the bucket level (*)

2. You have created a bucket of ARCHIVE storage type. Which features and restrictions are applicable on that? (Choose two)

The minimum retention period for Archive storage is 90 days (*)

The default time to download an object after restoration is 24 hours. (*)

The Archive storage bucket can be upgraded to Standard storage.

The minimum retention period for Archive storage is 31 days.

Data can be retrieved instantaneously.

The restoration time is 12 hours from the time an Archive storage restore request is made.

3. You want to store the backup of a database in cloud storage for an extended period of time.

Which type of storage would you configure for these files?

Block Volume

Blob Storage

Archive Storage (*)

Object Storage

File Storage

4. You want to move some unstructured data, consisting of images and videos, to cloud storage.

Which is the most cost-effective storage that you would use?

Block Volume

File Storage

Standard Storage (*)

Archive Storage

5. At which level is replication set for object storage?

Block level

Replication not supported for object storage

Bucket level (*)

File level

Q4: Storage



You are designing a lab exercise with an application that includes a large number of graphics with large file sizes. The application becomes unresponsive if the graphics are embedded in the application.

You have uploaded the graphics to OCI Object Storage bucket and added the URL paths for the individual objects in the application. You need to ensure these graphics are accessible without requiring any authentication for an extended period of time.

How can you achieve these requirements?

- A. Create pre-authenticated requests (PAR) and specify 00:00:0000 as the expiration time.
- B. Make the Object Storage bucket public and use the URL path for the individual objects.
- C. Make the Object Storage bucket private, make all objects public, and use the URL found in the object "Details".
- D. Create pre-authenticated requests (PAR) and do not specify any expiration time.

53. When you enable auto tiering, objects larger than 1 MiB are automatically moved from the Standard tier to which tier?

Infrequent Access tier

Backup tier

Redundancy tier

Archive tier

47. Which Object Storage tier would you use for data that you need to access quickly, immediately, and frequently?

Infrequent access tier

Standard tier

Ultra-high performance tier

Archive tier

High performance tier

45. Which type of logs are emitted by API gateways, events, and Object Storage?

Service logs

Audit logs

Custom logs

Archive logs

38. You have enabled versioning for a bucket. What happens when you upload an object with the same name as an existing object?

It returns an error.

The existing object is moved to a different bucket which has been marked for archival.

The object is overwritten and the overwritten object is not retained or recoverable.

The existing object becomes a previous version and the newly uploaded object becomes the latest version.

18. You want to forbid the creation of public buckets in Object Storage.

Which OCI security feature can you use to achieve this?

Security zone and security zone recipe

Roving Edge infrastructure and data sets

Triggers and procedure

Event notifications and topics

12. Which two statements are true about Object Storage?

It is a regional service and is not tied to any specific compute instance.

You can back up a DB system to Object Storage only via the Internet.

It supports private access from Oracle Cloud Infrastructure resources in a VCN through a service gateway.

Archive is the default tier for Object Storage buckets.

5. You have two objects in a bucket: ObjectX and ObjectY. ObjectX was last modified 14 months ago and Object Y was last modified 3 months ago. You create a retention rule with a duration of 1 year. Which two statements are true?

Object X cannot be modified or deleted for the next 2 months.

Object Y can be modified or deleted immediately.

Object Y cannot be modified or deleted for the next 9 months.

Object X can be modified or deleted immediately.

2. At which level are retention rules configured?

Bucket level

Object level

Compartment level

Namespace level

Q 2) Which statement is INCORRECT about Oracle Cloud Infrastructure Object Storage ?

A. Lifecycle rules can be applied to delete or archive objects

B. Using retention rules immutable option for data stored can be set

C. Object storage resources can be shared across tenancies

D. Versioning of objects is enabled at namespace level

Ans: D

Q 5) Which statement is CORRECT about OCI Object Storage Versioning ?

- A. Object versioning is disable on a bucket by default
- B. Object versioning doesn't protect data against accidental deletion or overwriting of objects
- C. Objects are physically deleted from a bucket when versioning is enabled
- D. Enabling versioning will ensure that only latest version of the object is always preserved

Ans: A

Q 6) A company uploaded graphics to OCI object storage bucket and added URL paths for each objects separately.

As a Solution Architect, you need to ensure that these graphics are accessible without requiring any authentication for extended period of time.

- A. Create pre-authenticated request without specifying expiration time
- B. Create pre-authenticated request with expiration time set to 00:00:0000
- C. Make Object storage bucket private and objects containing it as public
- D. Make Object storage bucket public and use URL path for each objects

Ans: D

Q 8) Which statement is CORRECT regarding Object Storage ?

- A. Objects in the buckets are always encrypted with same encryption key
- B. OCI vault service stores customer-provided encryption keys
- C. Encryption is turned on by default and cannot be turned off
- D. Encryption of data encryption keys with master encryption key is not mandatory

Ans: C

Q 17) Retention rules are configured at which level for OCI Object Storage ?

- A. Namespace Level
- B. Tenant Level
- C. Compartment Level
- D. Bucket Level

Ans: D

Q 29) A developer in your team uploaded an object with the same name as a previously existing object. As a solution architect, you have enabled versioning on this bucket.

What will be the impact of uploading an object by the developer with the same name ?

- A. Existing object is moved to archive storage whereas new object remains on standard storage
- B. Throws an error message, "Cannot copy object. Object already exists"
- C. Existing object is overwritten which is unrecoverable
- D. New object becomes the current version whereas existing object becomes previous version

Ans: D

Q 32) Which statements are CORRECT about OCI Object Storage ?

- A. They are not tied to any specific compute instance and are regional service
- B. Private access is supported via service gateway for OCI resources
- C. Default tier is archive
- D. Data is not durable

Ans: A,B

Q 35) A company has two objects in a OCI bucket : ObjectA and ObjectB. ObjectA was modified 17 months ago and Object B was modified 5 months ago. As a solutions architect, you created a retention rule for 12 months. Which TWO statements are true

- A. ObjectA can be deleted or modified immediately
- B. ObjectA cannot be deleted or modified for next 5 months
- C. ObjectB can be deleted or modified immediately
- D. ObjectB cannot be deleted or modified for next 7 months

Ans: A,D

Q 38) A company needs to access data immediately, fast and frequently. Which Object Storage tier should the company use ?

- A. Archive
- B. Infrequent Access
- C. Standard
- D. High Performance

C

Q 47) As a solutions architect you have enabled auto tiering to reduce costs. Object larger than 1 Mebibyte (MiB) are automatically moved to which tier from standard tier ?

- A. Archive
- B. Objects are not moved. They remain in standard tier until automation script is invoked
- C. Redundancy
- D. Infrequent Access

D

Q 51) As a solution architect, you have enabled versioning for a bucket in OCI.

What will happen when you try to upload an object with the same name as an existing name?

- A. It will throw an error as the object with same name already exists.
- B. Existing object will become the previous version and newly uploaded object becomes the latest version
- C. Old object is overwritten and becomes unrecoverable
- D. Existing object is moved to archive tier whereas new object remains in standard tier

B

Q 61) An e-commerce company configured the website to use an OCI object storage bucket located in US East (us-ashburn-1) region to store huge amount of e-commerce data. E-commerce data stored should not be affected during an outage in one of the Availability Domain or a complete region. What should be done for data durability and avoid any costly service disruption?

- A. Create a new Object Storage bucket in US-Phoenix region and move the data every 7 days.
- B. Create a replication policy to send the data to a different bucket in US-Phoenix region
- C. Automate using CLI to move the data from Standard to Archive tier
- D. Copy data from Object storage to block volume

B

Block Volume / File Storage / boot volume

1. Which statement is true about the OCI Block storage service? (Choose two)

It stores data in variable sized blocks.

It is dependent on the associated compute instance.

It can be attached to a compute instance. (*)

It uses iSCSI to connect to a compute instance. (*)

2. You are managing two applications that consist of multiple compute instances with multiple block volumes. You want to create backups of block volumes efficiently.

How would you do this?

Create on-demand backups of the block volumes

Create scripts to automate the backup of block volumes

Group together multiple block volumes into a volume group and create volume group backups (*)

Create clones of block volumes.

3. Which two statements are true about cloning a block volume? (Choose two)

You can create clones for volume groups only.

You can skip block volume encryption when creating a clone.

You can create 10 clones if volume is detached. (*)

You can create a clone for a single volume only.

You can clone block volumes across ADs.

You can create one clone if volume is attached. (*)

4. In which two options can you attach a block volume? (Choose two)

iSCSI (*)

NVMe

NFSv3

PARAVIRTUALIZED (*)

5. Which statement is true about attaching a volume to multiple instances?

It can be attached to up to 8 instances in read-write mode only.

It can be attached to up to 8 instances. (*)

It can be attached to up to 16 instances in read-only mode.

It can be attached to multiple instances in read-only mode only.

It can be attached in only read-only mode or read-write, but cannot be changed once attached.

1. Which type of file system is used by the file storage?

NFSv3 (*)

NVMe

SSD

ISCSI

PARAVIRTUALIZED

Correct

2. Which storage options are available in OCI? (Choose four)

Elastic File System

Blob Storage

Archive Storage (*)

Elastic Block Storage

Object Storage (*)

Local Storage (*)

File Storage (*)

Correct

3. How many snapshots can be taken per file system?

10000 (*)

1000

20000

100000

4. Which of these is true about OCI File Storage service?

Is not supported by hypervisors

Uses only SMB file standards

Local file system

Hierarchical collection of documents organized into named directories (*)

5. Which statements are true about OCI File Storage? (Choose three)

It can be accessed over the network. (*)

It organizes documents in a hierarchy of named directories. (*)

It is a local file system for a compute.

It is supported by Linux and Windows only.

It is supported by all major operating systems and hypervisors. (*)

56. When changing the performance level of boot volumes, which two performance levels can you select?

High performance

Balanced

Lower cost

Ultra-high performance

37. Your application or workload includes big data and analytics, media processing, or content management. You require Portable Operating System Interface (POSIX)-compliant file system access semantics and concurrently accessible storage. Which storage service must you use?

File Storage

Block Storage

Object Storage

Vault Storage

35. When you create a block volume, what is its default performance level?

Lower cost

Balanced

High performance

Ultra-high performance

29. Which two statements are true about boot volumes?

When you launch a virtual machine (VM) or bare metal instance based on a platform image or custom image, a new boot volume for the instance is created in the same compartment.

When you terminate the instance, you can preserve the boot volume and its data.

When you terminate your instance, you can keep the associated boot volume and use it to launch a new instance, but it must be of the same shape and size as the original instance.

You cannot group boot volumes with block volumes into the same volume group

27. You want to make a point-in-time snapshot of the data on a block volume. Under which condition can you make a block volume backup?

When it is attached to an instance or while it is detached

OCI does not provide point-in-time backup of data on a block volume.

Only when it is attached to an instance

Only when it is detached from all instances

14. Which two statements are true about cloning a file system?

All snapshots that exist in the parent file system are inherited by the clone, up to and including the snapshot that is used as the source of the clone.

You can create multiple clones of a parent file system in the same availability domain.

You can clone a parent file system but you cannot create a clone of a clone.

File system properties such as compartment, tags, display name, keys, and mount target export information are not copied over from the parent.

13. Which four layers of access control are used by the File Storage service?

Web application firewall

Oracle Cloud Infrastructure (OCI) policy

Key management

NFS v.3 Unix security

Network security

NFS export option

6. Which two statements are true about a block volume clone?

It creates a single point-in-time copy of a volume without having to go through the backup and restore process.

It makes use of Object Storage.

It is slower than a block volume backup.

You can clone a volume group.

Q 20) A company needs to implement Big Data workload for shared access and NFS-based connectivity.

Which storage service should the company use ?

A. Object Storage

B. Block Volume

C. File Storage

D. FastConnect

Ans: C

Q 10) Which TWO resources are availability domain specific (reside exclusively in a single OCI availability domain)

- A. Object Storage
- B. Block Volume
- C. Virtual Cloud Network (VCN)
- D. Compute Instance

Ans: B,D

Q 88) A company has numerous compute instances, each of which consists of a boot volume and several block volumes. As a solutions architect, you need to create backups of these block volumes as quickly as possible in an efficient manner.

How can you fulfill this requirement ?

- A. Create clones of boot and block volumes one at a time
- B. Use data transfer appliance to create the back up of boot and block volumes
- C. Use CLI to automate the backup of block and boot volumes
- D. Group together multiple block and boot volumes in a volume group and create volume group backups

D

Q 86) A company needs throughput-intensive workloads with large sequential I/O, such as data warehouses and log processing which should involve no additional VPU cost. Which block volume performance level is recommended for such workloads ?

- A. Ultra High Performance
- B. Higher Performance
- C. Balanced
- D. Lower Cost

D

Q 84) A company requires high I/O with higher performance for its OCI block volume. As a solutions architect, which elastic performance option should you recommend for block volume ?

- A. Extreme
- B. Balanced
- C. Lower Cost
- D. Higher Performance

D

Q 82) Which of the statement is INCORRECT about OCI Block Volume ?

- A. Block volume can be attached to an instance in different region
- B. Block volume can be restored to a larger volume
- C. Existing block volume can be expanded with offline resizing
- D. Existing block volume can be cloned to larger new volume

A

i

Q 79) With regard to OCI storage services which TWO statements are correct ?

- A. Block Volume uses iSCSI and file storage leverages Network File Storage (NFS)
- B. Incremental snapshots can be taken for object storage, file storage and block volumes
- C. Object storage provides private IP address whereas file storage provides a private IP address
- D. Mount targets of file storage and block volumes can be moved between compartments

A,D

i

**Q 77) A company needs Network File System (NFS) and Portable Operating System Interface (POSIX) compliant file system access concurrently and semantics accessible storage.
As a solution architect, which storage service should you recommend ?**

- A. Object Storage Standard tier
- B. Object Storage Archive tier
- C. Block Storage
- D. File Storage

D



Q 75) Select TWO CORRECT statements about OCI File Storage Service.

- A. File systems in a mount target is encrypted via HTTP

- B. By default file systems use Oracle-managed keys
- C. By default mount targets use Oracle-managed keys
- D. Using own vault encryption key, a customer can encrypt data in their file system

B, D



**Q 73) A global automobile company wants to set up durable, cost-effective solution to archive data from on-premises to OCI.
What is most feasible way to meet the requirement ?**

- A. Use File Storage to copy data from on-premise to OCI
- B. Setup FastConnect and use rsync tool to copy data to OCI Object Storage Archive Tier
- C. Setup on-premise storage gateway which will back up data to OCI Object Storage Standard tier
- D. Setup on-premise storage gateway which will back up data to OCI Object Storage Archive tier

D

Q 68) Which statements are CORRECT about block volume cloning ?
Select TWO correct statements.

- A. Block volume encryption can be skipped while creating a clone
- B. Block Volume size can be changed while creating a clone
- C. Performance of block volume can be changed while creating a clone
- D. Block volume can be cloned across multiple regions

B,C

Q 31) What is the default performance level when a block volume is created in OCI ?

- A. Archive
- B. Balanced
- C. Higher Performance
- D. Ultra-High Performance

Ans: B

Q 33) In OCI File Storage, which four layers of access control are used ?

- A. OCI Policy
- B. Network Security
- C. Key Management
- D. NFS v.3 Unix Security
- E. NFS export option

Ans: A,B,D,E

Q 39) Select TWO CORRECT statements about OCI Block Volume Clone.

- A. It is possible to clone a volume group
- B. Block Volume backup is faster than block volume clone
- C. Single-in-time copy of a volume can be created without the need for backup and restore process
- D. Block Volume clone works only with object storage

A,C

Q 44) Which statement is CORRECT about File Storage in OCI ?

- A. Incremental snapshots are not allowed
- B. Snapshots can be created just from CLI and not from OCI console
- C. Entire snapshot can be restored but not the individual files
- D. Snapshots are created in a hidden directory named .snapshot under the root folder of the file system

D

Q 56) Which TWO statements are CORRECT about boot volumes ?

- A. Grouping of boot volumes with block volumes into same volume group is not possible
- B. After terminating an instance, you can reuse the boot volume but the instance must be of same size and shape as the original instance
- C. After terminating an instance, you can preserve the data and the boot volume
- D. After launching a VM or baremetal instance based on a custom image or platform image, a new boot volume for the instance is created in the same compartment

C,D

Q 60) Which TWO performance levels can you select when changing the performance level of boot volumes ?

- A. Balanced
- B. Lower Cost
- C. Ultra-High Performance
- D. High Performance

B,D

Q1: Identity and Access Management

Which Oracle Cloud Infrastructure (OCI) Identity and Access Management (IAM) policy is invalid?

- A. Allow ~~any user~~ to inspect users in tenancy VALID
- B. Allow all-groups to inspect users in tenancy VALID
- C. Allow ~~group A Admins~~ to manage all resources in compartment Dev VALID
- D. Allow ~~dynamic group~~ FrontEnd to manage instance family in compartment Dev VALID

any-group is a reserved keyword, but all-groups is not
allow any-group to inspect users in tenancy

50. Which Oracle-defined backup policy includes weekly incremental backups that run on Sunday, also includes a full backup that runs yearly during the first part of January, and is retained for five years?

Silver policy

Gold policy

Platinum policy

Bronze policy

49. You want users of the NetworkAdmin group to manage a cloud network in any compartment of a tenancy. What must you allow the NetworkAdmin group to do?

Use virtual-network-family in compartment XYZ.

Manage instance-family in compartment ABC.

Manage network-catalog-listing in tenancy.

Manage virtual-network-family in tenancy.

39. Which policy is automatically applied when you create a cloud account?

Allow Group Administrator to manage all-resources in regions

Allow Group Administrator to manage all-resources in all-domains

Allow Group Administrator to manage all-resources in all-compartments

Allow Group Administrator to manage all-resources in tenancy

36. An instance running in a development compartment needs to make API calls to other OCI services. How can you achieve this without configuring user credentials or setting up a configuration file?

The requirement cannot be achieved with configuring user credentials or setting up a configuration file.

Create a dynamic group with matching rules to include your instance and write a policy for this dynamic group.

Create a dynamic group with matching rules to include your instance.

Instances can automatically make calls to other OCI services; hence no configuration is needed.

26. Examine these two policies:

Allow group GroupAdmins to manage groups in tenancy where all {target.group.name=/A-* /, target.group.name!= 'A-Admins'}

Allow group GroupAdmins to inspect groups in tenancy

Which statement is true?

GroupAdmins can create, update, or delete any groups whose names end with "A-", except for the A-Admins group.

GroupAdmins can create, update, or delete any groups whose names start with "A."

GroupAdmins can create, update, or delete any groups whose names start with "A-", except for the A-Admins group.

GroupAdmins can create, update, or delete any groups whose names start with "A."

4. Examine this policy:

Allow group GroupMgr to manage volumes in tenancy where request.permission != 'VOLUME_DELETE'

Which three actions can a user belonging to the GroupMgr group perform?

Move volumes.

Create volumes.

Delete volumes.

Update volumes.

9. You want a specific set of users, who do not have IAM user credentials, to access a bucket for a duration of 2 days. Which mechanism can help you achieve this?

Pre-authenticated requests

Converting the bucket to a public bucket

Auto config file creation

Moving the bucket to an archive tier

**Q 89) As a solutions architect, you want operations team users who belongs to NetworkAdmin group to manage network resources in any compartment of a tenancy.
Which policy will allow NetworkAdmin group to achieve this ?**

- A. Manage virtual-network-family in tenancy
- B. Manage instance-family in compartment ASD
- C. Manage network-catalog-listing in compartment ABC
- D. Use virtual-network-family in compartment QWE

A

**Q 72) Audit team needs access to a bucket for a duration of 3 days, who do not have IAM user credentials.
How can you grant access audit team to achieve this ?**

- A. Move the entire bucket to archive tier
- B. Pre-Authenticated Requests (PAR)
- C. Copy the data to block volume from the bucket
- D. Load the data to a data transfer appliance and then ship to audit team's location

B

Q 1) A tenancy administrator in Oracle Cloud Infrastructure is unable to delete a user in the tenancy. What can be the possible root cause for this issue ?

- A. User has enabled multi-factor authentication
- B. User cannot be deleted but can only be blocked
- C. User is a member of an Identity and Access Management (IAM) group
- D. Only tenancy administrator who added the user can remove the user

Ans: C

Q 3) Identify INCORRECT policy syntax for OCI Identity and Access Management (IAM) ?

- ~~A. Allow dynamic group BackEnd to manage instance family in compartment Prod~~
- B. Allow all-groups to inspect users in tenancy
- ~~C. Allow group C Admins to manage all resources in compartment Prod~~
- D. Allow any-user to inspect users in tenancy

Ans: B

Q 15) Which THREE tasks can a user who belongs to the GroupAdmin group perform if the policy is associated with it as follows :

**Allow group GroupAdmin to manage volumes in tenancy
where request.permission != 'VOLUME_DELETE'**

- A. Create Volume
- B. Delete Volume
- C. Move Volume
- D. Update Volume

Ans: A,C,D

Q 26) Audit team need access to a bucket for a duration of 1 day for auditing purpose who don't have IAM user credentials.

As a solution architect, what can be done to meet the requirement ?

- A. Delete the bucket so that audit team will postpone the audit to a future date
- B. Make the bucket public for 1 day
- C. Pre-authenticated request (PAR)
- D. Archiving the data in the bucket

Ans: C

Q 41) Which statement is CORRECT about Pre-Authenticated Requests ?

- A. Pre-authenticated requests don't need to have an expiration time
- B. Changing the bucket visibility doesn't change existing pre-authenticated requests
- C. It is impossible to create pre-authenticated requests for archive object storage tier
- D. Only individual objects inside the bucket can have pre-authenticated. It is impossible to create pre-authenticated requests for the entire bucket.

B

Q 57) Identify the CORRECT statement after a solution architect has applied the below polices :
Allow group GroupAdmins to manage groupss in tenancy where all {target.group.name=/Z-*
target.group.name!=‘Z-Admins’}
Allow group GroupAdmins to inspect groups in tenancy

- A. GroupAdmins can delete, update or create any group whose name starts with “Z”
- B. GroupAdmins can delete, update or create any group whose name starts with “B”
- C. GroupAdmins can delete, update or create any group whose name end with “Z-”, except for Z-Admins group
- D. GroupAdmins can delete, update or create any group whose name starts with “Z-”, except for Z-Admins group**

D

1. What would you use to form Oracle Cloud Infrastructure Identity and Access Management to govern resources in a tenancy?

Groups

Users

Dynamic Groups

Policies (*)

Correct

2. On which two options is Oracle Cloud Infrastructure Budget set? (Choose two)

Compute Instances

Free-form tags

Compartments (*)

Virtual Cloud Network

Cost-tracking tags (*)

Tenancy

3. You have created a new compartment "apps" to host some production apps and you have created an apps_group and added users to it.

What would you do ensure the users access to the apps compartment?

No action required

Add an IAM Policy for apps_group granting access to the apps compartment (*)

Add an IAM Policy for the individual users to access the apps compartment

Add an IAM policy to attach tenancy to the apps group

4. Which components are part of OCI Identity and Access Management service? (Choose three)

Roles

Users (*)

Virtual Cloud Networks

Regional Subnets

Policies (*)

Dynamic Groups (*)

Compute instances

5. You want to make API calls against other OCI Services from your instance without configuring user credentials. How would you achieve this?

Create Dynamic Group and add your instance

Create a group and add a policy

No configuration required for making API calls

Create Dynamic Group and add a policy (*)

Compartments

63. Which three statements are true about compartments?

You cannot control the type of resources that can be created within a compartment.

Compartments can be nested.

You can set a budget on a compartment such that you are notified as soon as the budget is exceeded.

Multiple compartments can share a single resource.

One compartment can have resources from multiple regions.

41. Compartment A is a child compartment of root.

Compartment B is a child compartment of Compartment A.

Compartment C is a child compartment of Compartment B.

You have attached the following policy to Compartment A:

Allow group NetworkAdmins to manage virtual-network-family in Compartment A.

For which compartments can a user of the NetwrokAdmin group manage VCNs?

Compartment A, Compartment B, and Compartment C only

Root compartment, Compartment A, Compartment B, and Compartment C

Compartment A only

Compartment B and Compartment C only

i

Q 76) Which TWO resources are regional in OCI ?

- A. Compute images
- B. Dynamic group
- C. Compartments
- D. Block Volume Backup

A,D

Q 30) Which statements are TRUE about OCI Compartments ?

Select THREE correct statements.

- A. One Compartment can reside inside another compartment
- B. One compartment can have resources from multiple OCI regions
- C. Single resource can be shared by multiple compartments
- D. Budget on a compartment can be set such that if a budget exceeds then a notification will be sent

Ans: A,B,D

Q 46) Compartment X is a child compartment of root. Compartment Y is a child compartment of compartment X. Compartment Z is a child compartment of compartment Y.

Allow group NetworkAdmin to manage virtual-network-family in compartment X

Which compartments can a user of the NetworkAdmin group manage VCNs ?

- A. Compartment X only
- B. Compartment Y and compartment Z only
- C. Root compartment, Compartment X, Compartment Y, Compartment Z
- D. Compartment X, Compartment Y and Compartment Z only

D

VCN – Subnet – FastConnect – DRG – DNS

1. Which three must be configured for a load balancer to accept incoming traffic? (Choose three)

A service Gateway

A listener (*)

A route table entry pointing to the listener IP address

A backend set with at least one backend server (*)

SSL Certificate

A security list that is open on the listener port (*)

2. Which resources can be attached to Dynamic Routing Gateways? (Choose three)

VNICs

Network Load Balancer

Site-to-site VPN IPSec Tunnels (*)

Local Peering connections

VCNs (*)

Remote Peering Connections (*)

3. Which information would you get using the regional network topology? (Choose two)

Routes defined between subnets and gateways

State of subnets in a VCN

Connectivity of on-premises using FastConnect or VPN (*)

Organization of subnets and VLANs across availability domains

Interconnectivity of VCNs (*)

4. Which two types of topologies are provided by network visualizer? (Choose two)

Availability Domain Network Topology

Virtual Cloud Network Topology (*)

Regional Network Topology (*)

Regional Subnet Network Topology

5. Which statements are true about Virtual Cloud Network (VCN)? (Choose two)

A VCN is a software-defined network defined in Oracle data centers. (*)

A VCN can reside in multiple regions.

A VCN can reside only in a single region. (*)

Each subnet in a VCN exists in a single availability domain



Q3: Networking

Which is NOT a valid Oracle Cloud Infrastructure Virtual Cloud Network (VCN) approach?

- A. Private subnets are recommended to have individual route tables to control the flow of traffic within and outside of VCN. VALID
- B. Use OCI tags to tag VCN resources so that all resources are following organizational tagging/naming conventions. VALID
- C. Ensure VCN CIDR prefix overlaps with other VCNs in your tenancy or with your organizations private IP network ranges.
- D. Ensure not all IP addresses are allocated at once within a VCN or subnet, instead plan to reserve some IP addresses for future use.

61. Which protocol is used by FastConnect?

IPSec

BGP

DNS routing

OSPF

59. Which TWO statements are true about private IP objects?

Secondary private IPs must be manually deleted when you terminate the mapped instance.

Each instance receives a primary private IP object and a secondary private IP object at launch.

You can add a secondary private IP to either the primary VNIC or a secondary VNIC of an instance after it's launched.

A private IP can have a public IP assigned to it.

57. Which TWO conditions must be met for an instance to communicate directly with the Internet?

Instance must have a public IP address.

Instance's VCN must have an Internet gateway.

Public subnet must have route tables without any security lists.

Instance must be in a private subnet.

51. Which TWO statements are true about security lists?

They are applied to a group of VNICs of your choice instead of all the VNICs in a given subnet.

Each subnet can have only one security list associated with it.

The default security list allows TCP traffic on destination port 22 (SSH) from authorized source IP addresses and any source port.

The default security list does not include a rule to allow ping requests.

48. Which OCI networking method must you use to divide your network into multiple VCNs based on departments, with each VCN having direct, private access to the others while avoiding traffic flowing over the Internet or through your on-premises network?

NAT gateway

Site-to-site VPN

FastConnect

VCN peering

40. Which TWO statements are true about site-to-site VPN?

You need a dynamic routing gateway when you are trying to connect your VCN to the Internet by using site-to-site VCN.

You cannot use multiple site-to-site connections between your on-premises network and virtual cloud network (VCN).

It provides a site-to-site IPSec connection between your on-premises network and your virtual cloud network (VCN).

It encrypts IP traffic before the packets are transferred from the source to the destination and decrypts the traffic when it arrives.

34. Which network security service allows you to separate the VCN's subnet architecture from your application security requirements?

Network security group

Flow logs

Access control

Security lists

24. What happens to traffic if there is no route rule that matches the network traffic you intend to route outside the VCN?

It is sent over the NAT gateway

It is sent over FastConnect.

It is sent over the Internet gateway

It is dropped.

19. What is the allowable VCN size range?

/16 through /30

/0 through /32

/8 through /16

/8 through /24

11. Which two statements are true about local VCN peering?

It uses an Internet gateway.

The two VCNs must have overlapping CIDRs.

You can use a single DRG for local peering.

The VCNs can be in different Oracle Cloud Infrastructure tenancies but in the same region.

8. Which gateway allows resources within a VCN to communicate with the Internet but prevents any inbound traffic?

Dynamic routing gateway

Service gateway

NAT gateway

Internet gateway

42. Which Traffic Management Steering policy distributes DNS traffic to different endpoints based on the location of the end user?

Geolocation steering

ASN steering

IP prefix steering

Load balancer

10. Which TWO connectivity options can you use to give your virtual cloud network (VCN) access to the Internet?

FastConnect

Internet gateway

Service gateway

NAT gateway

Q 90) With regard to Private IP address in OCI which TWO statements are correct ?

- A. A private IP address can have an optional public IP address assigned to it
- B. Only one private IP address can be assigned to a VNIC
- C. The primary VNIC of an instance in a subnet has one primary private IP address and one secondary private IP address by default
- D. Each VNIC has a primary private IP address, and you can add and remove secondary private IP addresses

A,D

Q 85) With regard to delegating domain to OCI DNS, which of the statement is CORRECT ?

- A. Domains can be delegated to OCI DNS from OCI Marketplace
- B. Domains can be delegated to OCI DNS from the Domain Registrar's self-service portal
- C. Domains can be delegated to OCI DNS from My Oracle Support (MOS)
- D. Domains can be delegated to OCI DNS using other cloud providers

B

Q 83) Which of the statement is INCORRECT about Virtual Cloud Network (VCN) ?

- A. Plan to reserve some IP addresses for future use while allocating IP addresses within a VCN
- B. It is recommended to have separate route tables for private subnets to control traffic outside or within same VCN
- C. Make sure to overlap VCN CIDR with other VCN within your organizations
- D. VCN resources should be tagged so that all resources can be tracked and are following naming conventions

C

i

Q 81) What is the availability of private DNS in OCI ?

- A. OCI doesn't support private DNS
- B. OCI Private DNS is available in all Regions and OCI Realms
- C. OCI Private DNS is available only available in United Kingdom and United States currently
- D. OCI Private DNS is available in any compartments

B

Q 70) Dynamic Routing Gateway (DRG) is used by which OCI services ?

Select TWO correct answers

- A. Local Peering
- B. IPSec VPN Connect
- C. OCI FastConnect Public Peering
- D. OCI FastConnect Private Peering

B,D

Q 4) Solution Architect needs to peer two Virtual Cloud Network (VCN). Which TWO statements are correct ?

- A. VCNs Peering must have overlapping CIDRs
- B. VCNs Peering may exist in the same OCI region
- C. VCNs Peering may exist in different OCI region
- D. VCNs Peered needs to be part of same Tenancy

Ans: B, C

Q 9) Which THREE components cannot be deleted from Virtual Cloud Network (VCN) in OCI ?

- A. Default Subnet
- B. Default Security List
- C. Default Route Table
- D. Default set of DHCP options

Ans: B,C,D

Q 13) Which VCN size range is allowed in OCI ?

- A. /8 through /16
- B. /0 through /32
- C. /16 through /30
- D. /8 through /24

Ans: C

Q 14) What is the maximum number of security lists by default that can be associated with a subnet while creating in OCI?

- A. 0
- B. 1
- C. 6
- D. 5

Ans: D

**Q 21) Which statements are CORRECT about OCI VCN Peering ?
Select TWO correct answers.**

- A. Both VCNs should have overlapping CIDRs
- B. A single DRG can be used for local peering
- C. Internet Gateway is required
- D. VCN should reside in same region but can be in different OCI tenancies

Ans: B, D

**Q 24) A company needs to distribute DNS traffic to separate endpoints based on the location of the end user.
Which traffic management steering policy should the company use ?**

- A. IP prefix steering
- B. Geolocation Steering
- C. Failover
- D. ASN steering

Ans: B

Q 25) As a solution architect, you need to make sure that the instances can communicate directly with the internet.

Which TWO statements can fulfill the above requirement ?

- A. Instances should reside in a private subnet
- B. VCN of the instance should have an Internet Gateway
- C. VCN of the instance should have a Dynamic Routing Gateway (DRG)
- D. Instances should have a public IP address

Ans: B,D

Q 27) As a solution architect, you need to divide your network into multiple VCNs such that the traffic shouldn't flow over the internet or via on-prem network so that each VCN can have private and direct access.

Which Networking method should you use ?

- A. NAT Gateway
- B. Service Gateway
- C. FastConnect
- D. VCN Peering

Ans: D

Q 40) Select TWO CORRECT statements about Site-to-Site-VPN

- A. It is impossible to use multiple site-to-site connections between on-prem and VCN
- B. IP Traffic is decrypted when it arrives and encrypted before packets are transferred
- C. DRG is required when trying to connect a VCN to the internet by using site-to-site VCN
- D. On-prem and VCN is provided a site-to-site IPSec connection

B,D

Q 45) If no route rule matches the network traffic you intend to route outside the VCN, what happens to the traffic ?

- A. Traffic is sent over to My Oracle Support (MOS)
- B. Traffic is dropped
- C. Traffic is sent over to Service Gateway
- D. Traffic is sent over to Internet Gateway**

B

Q 48) FastConnect uses which protocol ?

- A. IPSec
- B. Open Shortest Path First (OSPF)
- C. DNS Routing
- D. BGP**

D

Q 53) As a solution architect, you want to grant your Virtual Cloud Network (VCN) to access the internet.

Which TWO connectivity options will help you achieve this ?

- A. Service Gateway
- B. NAT Gateway
- C. FastConnect
- D. Internet Gateway**

B,D

Q 54) As a solution architect, you want to upload a huge log file (7 TiB size) to OCI object storage and have decided to use multipart upload feature for more efficient upload. Select THREE CORRECT statement about multipart upload.

- A. Maximum object size should be 10 TiB
- B. After you have uploaded all the object parts, you cannot commit the upload
- C. Maximum number of parts in a multipart upload should be 10,000
- D. Maximum object part size in a multipart upload should be 50 GiB

A,C,D

Q 55) A company is migrating a database to Oracle Cloud Infrastructure (OCI). Which TWO characteristics you need to consider as a Solution Architect during this migration ?

- A. On-Prem connectivity using Local Virtual Cloud Network (VCN) and remote peering
- B. On-Prem host network bandwidth and operating system platform
- C. On-Prem database version and amount of data including indexes
- D. On-Prem database character set and application version

B,C

Q 62) An Artificial Intelligence company is running it's application on VM.Standard2.1 instance shape. Due to increasing customer base, the company faces serious challenge dealing with network throughput on the instance when customer uploads user data. As a solutions architect, what should you recommend to resolve this issue in most efficient way ?

- A. Secondary VNIC should be added
- B. Change the attached block volume to NVMe disk
- C. Terminate VM.Standard2.1 preserving the boot volume and spin up a higher network bandwidth instance with the preserved boot volume
- D. Change the shape of instance to higher network bandwidth instance

D

Q 65) Which THREE default components cannot be deleted in OCI ?

- A. Default set of DHCP options
- B. Default security list
- C. Default Subnet
- D. Default route table

A,B,D

Log Analytics / Monitoring / Alarm

1. You want to set up an alarm for CPU usage and disk read for a compute instance, so that you can determine when to launch new instances to handle increased load.

Which service would you use?

(0/1) Points

Analytics Cloud

Logging Analytics

Instance Pool

Monitoring (*)

Health Checks

2. Which statements are true about the Logging service? (Choose two)

(Choose all correct answers)

(1/1) Points

Single pane of glass for all the logs in a tenancy (*)

Analyzes critical diagnostic information that describes how resources are performing and being accessed (*)

Monitors cloud resources using metrics and alarms

Searches, analyzes, and monitors log data from applications and system infrastructure

3. You want to reduce millions of log entries into a small set of log signatures to make it easy to review.

By using which would you achieve this?

(1/1) Points

Data Catalog

Monitoring

Data Flow

Logging

Logging Analytics (*)

4. Which types of logs are used by the Logging service? (Choose three)

(Choose all correct answers)

(1/1) Points

Custom Logs (*)

Audit Logs (*)

Service Logs (*)

Alert Logs

Archive Logs

Trace Logs

5. You want to aggregate, search, and monitor all log data from your applications and system infrastructure.

Which service would you use for this?

(1/1) Points

Analytics Cloud

Monitoring

Logging Analytics (*)

Logging

Data Catalog

Q6: Observability and Management

Which is **NOT** a feature of **Logging Analytics** service in OCI?

- A. Provides ~~out of box log parsers~~ **VALID**
- B. Supports ~~both On Premises and Multi-cloud environments~~ **VALID**
- C. Provides ~~insights based on machine learning~~ **VALID**
- D. Used for centralized log management
- E. Supports ~~log enrichment~~ **VALID**

By creating a parser, you define how to extract log entries from a log file and also how to extract fields from a log entry

52. When triggered, an alarm sends an alarm message to the configured topic. In which service is the topic configured?

Monitoring

Synchronization

Management

Notification

30. Which three other components are emitted along with raw data points or timestamp-value pairs as metrics to the Monitoring service?

Metadata

Data

Attribute

Dimension

Namespace

23. Which cloud solution in Oracle Cloud Infrastructure lets you index, enrich, aggregate, explore, search, analyze, correlate, visualize, and monitor all log data from your applications and system infrastructure?

Service analytics

Monitoring analytics

Logging analytics

Correlated analytics

Q 66) As a solutions architect, you have configured the load balancer to perform health checks on 7 instances. After some time, one of the seven instances fails to pass the health check. Which of the following action will the load balancer perform ?

- A. Terminate the instance that failed health check
- B. Stop the instance that failed health check
- C. Remove the instance that failed health check and replace with a new healthy instance
- D. Stop sending traffic to the instance that failed health check

D

Q 7) To identify potential issues, fixing issues and detect anomalies of log data so as to perform advanced analysis, which service should you use to monitor ?

- A. Monitoring
- B. Logging Analytics
- C. OCI Analytics
- D. OCI Machine Learning

Ans: B

Q 16) In OCI, which type of logs is emitted by Object Storage, VCN Flow logs, Functions and API Gateways ?

- A. Audit Logs
- B. Custom Logs
- C. Service Logs
- D. None of these

Ans: C

Q 58) What can be used to define the actions that Cloud Guard can take when a detector has identified a problem ?

- A. Metrics
- B. Alarm
- C. Responder
- D. Threshold

C

Vault Service / Encryption / Security / Cloud Guard

1. You want to centrally manage the encryption keys and secret credentials that protect your data.

What should you use to achieve this?

(1) Points

Encryption Wallet

Cloud Guard

Data Safe

Vault (*)

Correct. Oracle Cloud Infrastructure Vault is a managed service that lets you centrally manage the encryption keys that protect your data and the secret credentials that you use to securely access resources.

2. Which statement is true about Security Zones?

(1) Points

They are associated with a compartment. (*)

Data in a security zone can be copied to another standard compartment.

They are associated with an availability domain.

Existing resources cannot be moved to a security zone.

Correct. A security zone is associated with a compartment and a security zone recipe.

3. Your IT team has created a web-based marketing site that needs to be protected against internet threats including Cross-Site Scripting (XSS) and SQL Injection.

Which OCI security service should they use?

(1) Points

Vulnerability Scanning

Bastion

Web Application Firewall (*)

Vault

Correct. WAF can protect any internet facing endpoint, providing consistent rule enforcement across a customer's applications.

4. You want to add another step of user verification along with password authentication.

What should you use to achieve this?

(1) Points

Identity and Access Management

Identity Federation

Multi-factor Authentication (*)

Identity Provider

Correct. Multi-factor authentication is a method of authentication that requires the use of more than one factor to verify a user's identity.

5. Which key encryption algorithm is NOT supported by the OCI Vault service?

(1) Points

JSON Web Algorithm (JWA) (*)

Rivest-Shamir-Adleman (RSA)

Elliptic curve digital signature algorithm (ECDSA)

Advanced Encryption Standard (AES)

Correct. JWA is not a supported algorithm for OCI Vault service.

Q7: Security

Which Statement regarding Oracle Vulnerability Scanning Service is NOT true? This Service can identify:

- A. Ports that are unintentionally left open VALID
- B. OS packages that require updates and patches to address vulnerabilities VALID
- C. OS configurations that hackers might exploit VALID
- D. Cross-Site Scripting (XSS) and SQL Injection

Q 18) Which encryption algorithm is supported by OCI Vault Service ?
Select THREE correct answers.

- A. Rivest-Shamir-Adleman (RSA)
- B. Advanced Encryption Standard (AES)
- C. Elliptic Sine Digital Signature Algorithm (ESDSA)
- D. Elliptic Curve Digital Signature Algorithm (ECDSA)

Ans: A,B,D

15. Which three statements are true about a master encryption security key protected by software?

It is stored in an HSM device.

Cryptographic operations are allowed on clients.

It cannot be exported from HSM.

It can be exported from a server.

It is stored in a server.

16. Which three security services provide infrastructure protection?

Key Vault

Securtiy lists

WAF

DDoS Protection

Cloud Guard

17. What is used to specify the actions that Cloud Guard can take when detectors identify problems?

Responder

Alarms

Metrics

Threshold

20. Which three encryption algorithms are supported by OCI Vault?

HMAC

RSA

ECDSA

IDEA

AES

33. Which two statements are true about auth tokens?

They expire after 14 days by default.

They make use of a public key/private key pair.

They can be used to authenticate third-party APIs.

Every user can generate up to two auth tokens.

Data Base – No SQL – OLTP / OLAP

1. Which three are required for provisioning an Oracle Autonomous Database instance? (Choose three)

(Choose all correct answers)

(1/1) Points

Backup Location FRA Size

Database Name (*)

Number of CPUs (*)

Workload Type (*)

Number of Tablespaces

Correct

2. Which statements are true about Autonomous Transaction Processing? (Choose two)

(Choose all correct answers)

(0/1) Points

Data is stored in row format. (*)

Complex SQL queries are optimized.

Data is stored in columnar format.

Missing indexes are detected and created. (*)

3. Which three types of database systems are available in Oracle Cloud Infrastructure (OCI)? (Choose three)

(Choose all correct answers)

(1/1) Points

Autonomous Transaction Processing

Bare metal DB systems (*)

Autonomous Data Warehouse

Exadata DB System (*)

VM DB System (*)

4. Which statement is true about Autonomous Data Warehouse?

(0/1) Points

Data is stored in columnar format. (*)

Missing indexes are detected and created.

Data is stored in row format.

Response time is optimized for queries.

5. Which two are the minimum prerequisites to create a DB system? (Choose two)

(Choose all correct answers)

(0/1) Points

Public key in OpenSSH format (*)

Oracle Database Software Edition must be Enterprise Edition - Extreme Performance

Private key in OpenSSH format

Virtual Cloud Network with default security list (*)

Virtual Cloud Network with default service gateway

Dynamic Routing Gateway

6. Which two actions can be performed from the OCI Console for an Oracle Autonomous Database?

(Choose two)

(Choose all correct answers)

(0/1) Points

Scale up/down CPU (*)

Scale up/down Memory

Increase network bandwidth

Increase storage allocated for database (*)

Q5: Database



Which **TWO** predefined service names can you use when connecting to an Oracle Cloud Infrastructure Autonomous Data Warehouse?

- A. **Medium** for a lower level of resources to process each SQL statement.
- B. ~~TP~~ for a connection service for when you do not want to run with parallelism.
- C. **High** for the highest level of resources to process each SQL statement.
- D. ~~TPUrgent~~ for a connection service for when you do want to run with parallelism.

60. Which two statements are true about NoSQL Cloud Service?

It interoperates with NoSQL Database Enterprise edition through a single programmatic interface with no application code modification.

Database deployment can be at on-premises data centers, or BYOL with Oracle Cloud or other cloud vendors.

Storage capacity is managed in each NoSQL cluster.

Throughput capacity is measured in write units and read units.

55. Which block volume performance level is recommended for throughput-intensive workloads with large sequential I/O, such as streaming, log processing, and data warehouses?

Lower cost

Balanced

Ultra-high performance

High performance

54. Which co-managed database service applies the combined power of Exadata and Oracle Cloud Infrastructure while enabling you to meet your organization's data-residency requirements?

Autonomous Database

Exadata Cloud Service

Bare metal and virtual machine DB systems

Exadata Cloud@Customer

46. Which Oracle Database edition is required to deploy a two-node Oracle RAC DB system?

Enterprise Edition

Enterprise Edition - Extreme Performance

Enterprise Edition - High Performance

Standard Edition

25. Which autonomous database type is specialized for developing NoSQL-style applications that use JavaScript Object Notation documents?

Autonomous Transaction Processing

Autonomous Data Warehouse

Autonomous JSON Database

Oracle APEX Application Development

22. Which three components are managed by the customer and not by Oracle in a shared security model of OCI?

Data

Accounts and identities

Physical networks

Application

Physical hosts

21. Database admins and app developers want to run OLTP and OLAP workloads directly from their MySQL database, thus eliminating the need for complex, time-consuming, and expensive data movement and integration with a separate analytics database? Which feature of MySQL database service enables this?

Automatic Memory Management

Exalogic

ElastiCache

Heatwave

1. For which TWO types of workloads must you use a bare metal compute instance?

Virtualized workloads

Workloads that require a specific hypervisor

Workload that do not require BYO image

Performance-sensitive workloads

Q 87) When connecting to OCI Autonomous Data Warehouse (ADW), which TWO predefined database service names can be used ?

- A. High for highest level of resources to each SQL statement
- B. TRP for a lower level of resources to each SQL statement
- C. Low for least level of resources to each SQL statement
- D. TPFast for blazing fast level of resources to each SQL statement

A,C

Q 80) Identify the tasks which can be performed by OCI Autonomous Data Warehouse. Select TWO CORRECT answers ?

- A. Scale up/down memory
- B. Scale up/down CPU
- C. Network Bandwidth can be adjusted
- D. Storage allocated for database can be increased

B,D

Q 67) In shared responsibility model, which of the following is customer's responsibility on OCI DB System ?

- A. Creating first database on DB system
- ↳
- B. Applying patches to OS
- C. Installing the OS
- D. Create temp file storage or ASM diskgroup for data

B

**Q 19) A company wants to implement Data Guard in OCI virtual machine and bare metal database systems.
Which statement is CORRECT.**

- A. Primary and standby database versions and editions need to be different
- ↳
- B. Both DB systems must reside in the same compartment
- C. Primary and standby databases should be in the same OCI region
- D. Database systems should have different shape type

Ans: B

Q 28) Development team in a company use JavaScript Object Notation Documents for developing NOSQL-style applications.

Which database type can be used by the development team ?

- A. Terraform
- B. SQL Server 2012
- C. Autonomous Data Warehouse
- D. Autonomous JSON Database

Ans: D

Q 34) A company wants to run online transactional processing (OLTP) and online analytical processing (OLAP) workloads directly from a MySQL database without any changes to the applications so that there is no need for separate analytics database.

Which MySQL Database feature will help you to achieve this ?

- A. Heatwave
- B. Redis
- C. Memcached
- D. Oracle Exalogic

Ans: A

Q 42) What is the advantage of Database as a Service in OCI ?

- A. Automated index creation
- B. Integration with Identity and Access Management (IAM)
- C. Automated backups to File Storage
- D. **Automated backups to Object Storage**

D

Q 59) You want to increase disk performance of VM.Standard2.16 by using NVMe disks but the number of CPUs should be same. As a solutions architect, you terminated the instance and preserved the boot volume.

What should be the next step ?

- A. Create a new instance using a VM.DenseIO2.8 shape using the preserved boot volume and move the SQL Database data to NVMe disks
- B. Create a new instance using a VM.Standard1.8 shape using the preserved boot volume and move the SQL Database data to NVMe disks
- C. Create a new instance using a VM.DenseIO2.16 shape using the preserved boot volume and move the SQL Database data to block volume
- D. Create a new instance using a VM.DenseIO2.16 shape using the preserved boot volume and move the SQL Database data to NVMe disks

D

Load Balancer / WAF / Data Guard / OKE / Functions

62. At which layer of the OSI model does a web application firewall help to filter traffic?

Transport layer

Application layer

Datalink layer

Presentation layer

58. Which OCI security feature can you use to ensure that unwanted bots are mitigated while desirable bots are allowed to enter?

Data Vault

Web application firewall

Security zone

Cloud Guard

28. Which type of load balancer distributes traffic based on IP address and destination ports only?

Layer-6

Layer-7 (HTTP)

Layer-2

Layer-4 (TCP/UDP/ICMP)

3. Which two statements are true about application-based load balancers?

They are based on IP address and destination ports only.

They act only on the TCP layer variables.

They support both HTTP and HTTPS.

They perform content-based routing.

Q 78) If a backend set of a load balancer is registered to mark to drain connections. Which TWO actions will occur with regard to OCI Load Balancer ?

- A. The backend server will quickly close all existing connections
- B. Backend server will not allow new connections
- C. Backend server requests will be redirected to a user-defined error page
- D. Backend server connections will remain open until all in-flight requests are finished

B,D

Q 74) A global web series company wants to focus on AI code without worrying about underlying infrastructure for scalability, high-availability, monitoring and security. Users are allowed to upload videos on their website for making reviews. Which OCI services should you recommend ?

- A. OCI Functions, OCI Event Service and Object Storage for storing videos
- B. OCI Object Storage, OCI Notifications and OKE for deployment of AI Code
- C. OCI Functions, OCI Event Service and OCI Resource Manager to manage infrastructure
- D. OCI Event Service for videos and OKE for application development

A

Q 71) A company has implemented load balancer for backend servers in it's architecture, you notice that one of the web servers is receiving more traffic than other web servers. As as a solutions architect, what should you recommend to make sure that the traffic is evenly distributed across all back-end webservers ?

- A. Cookie-based session persistence should be disabled for backend webserver
- B. Keep-alive setting between the load balancer and backend server should be changed
- C. SSL configuration associated with backend servers should be disabled
- D. Separate listeners for each backend web server should be created

A

Q 69) Which THREE items must be configured for OCI load balancer to accept incoming traffic ?

- A. A listener**
- B. A backend set with at least one backend server**
- C. A security list that is open on the listener port**
- D. A route table entry for listener IP address**

A,B,C

Q 22) Which Load Balancer can distribute traffic based on destination port and IP address ?

- A. Layer-7 (HTTP)**
- B. Layer-2**
- C. Layer-3**
- D. Layer-4 (TCP/UDP/ICMP)**

Ans: D

Q 23) As a solution architect, how can you prevent unwanted bots while desirable bots are allowed to enter ?

- A. Data Guard
- B. Vault
- C. Compartments
- D. Web Application Firewall (WAF)

Ans: D

Q 43) Which TWO statements are CORRECT about Data Guard in OCI ?

- A. Data Guard can be configured for virtual machines only
- B. Port 1521 must be open and both DB systems must reside in the same VCN
- C. Implementing Data Guard requires two DB systems. Primary database on virtual machine and standby database running on bare metal
- D. Implementing Data Guard for Bare Metal requires two DB systems. One for Primary database and another for standby database.

B,D

Q 49) Web Application Firewall (WAF) operates at which layer of OSI Model ?

- A. Application Layer
- B. Transport Layer
- C. Datalink Layer
- D. Presentation Layer

A

Q 50) Which TWO statements are CORRECT about application load balancers ?

- A. Application Load Balancer works only for TCP layer variables
- B. Application Load Balancer performs content-based routing
- C. Application Load Balancer are based on destination ports and IP address only
- D. Application Load Balancer supports both HTTP and HTTPS

B,D

Q 63) What is the purpose of Replica Set in OCI Container Engine for Kubernetes (OKE) ?

- A. Maintain a stable set of replica Pods running at any given time
- B. It helps to copy data to Object storage
- C. Copy of pod is maintained for all nodes
- D. Set of pods running on applications is exposed

A

Q 64) As a solutions architect, you need to advise operations admin to apply latest security patches and manage packages to reduce the complexity and error while delivering these patches. Which OCI service will you use ?

- A. Web Application Firewall (WAF)
- B. Storage Gateway
- C. OCI Bastion
- D. OS Management

D

OS Mgmt – Terraform

7. Which TWO statements are true about the OS Management service?

If the OS Management service fails while updating a package, you must contact Oracle Support to identify the cause of failure.

Actions such as installing or removing updates are synchronous and do not initiate work requests.

If a managed instance is terminated, the OS Management service will automatically remove it from the managed instance list.

It allows you to specify a date and time when a managed instance will be updated.

**Q 37) Select the CORRECT statements about Oracle Vulnerability Scanning which it can identify.
Select THREE correct answers**

- A. Potential OS configurations which hackers might exploit
- B. Ports which are left open
- C. SQL Injection
- D. OS packages that require patches to tackle vulnerabilities

A,B,D

Q 36) In which language Terraform providers and Terraform written ?

- A. Python
- B. C#
- C. Scala
- D. Go

Ans: D

Compute Instance / Bare Metal / Auto Scaling

1. In which scenarios are GPU-based instances useful? (Choose two)

They are used where guaranteed baseline CPU performance is required.

They are used for instances that have occasional CPU spike.

They are used for the high performance computing platform. (*)

They are used to accelerate the applications that run sophisticated algorithms. (*)

2. Which component needs to be configured for enabling autoscaling?

Service Gateway

Compute instances

Network Load Balancer

Instance pool (*)

3. What are the limitations of preemptible Instances? (Choose two)

They cannot be started, stopped, or rebooted. (*)

They can be migrated from one compartment to another compartment if required.

They support the shape change to the lower configuration only.

They can be terminated at any time. (*)

4. Which are the two types of compute Autoscaling? (Choose two)

Schedule-based autoscaling (*)

Predictive autoscaling

Metric-based autoscaling (*)

Capacity-based autoscaling

5. Which statements are true about burstable instances? (Choose two)

They are designed for instances where there is occasional CPU spike. (*)

They are ideal for workloads that require a full core.

They are designed for instances where there is high CPU usage.

They provide a baseline CPU performance. (*)

Q2: Compute



You have a high-demand web application running on OCI. Your tenancy administrator has set up a schedule-based autoscaling policy on instance pool with initial size of 10 instances for the application.

Policy 1:

Target pool size: 20 instances

Execution time: 8:30 a.m. on every Monday through Friday, in every month, in every year

Cron expression: 0 30 8 ? * MON-FRI *

Which statement accurately explains the goal of this policy?

- A. Goal: A recurring monthly schedule. On all days of the month, set the initial pool size to 10 instances. At 8:30 a.m., on every day of the month, scale out to 20 instances.
- B. Goal: A one-time schedule with only one scaling out event. At 8:30 a.m., on December 31, 2021, scale the instance pool to 20 instances from 10.
- C. Goal: A recurring daily schedule. On weekday mornings at 8:30 a.m., scale out to 20 instances.
- D. Goal: A recurring weekly schedule. On all days of the week at 8:30 a.m., scale out the pool to 20 instances from the initial size of 10.

43. Which TWO statements are true about autoscaling?

For autoscaling to work, you must configure a load balancer.

Metric-based autoscaling relies on performance metrics that are collected by the Tracking service.

An autoscaling configuration can include one or more autoscaling policies.

Each instance pool can have only one autoscaling configuration.

Q 52) OCI supports which FOUR types of images ?

- A. Linux Images provided by Oracle
- ↳
- B. Windows Images provided by Oracle
- C. Solaris Images provided by Oracle
- D. Prebuilt application images from OCI marketplace
- E. Custom Images created from existing images in OCI

A,B,D,E

31. For maximum cost efficiency, when launching compute instances, which capacity type must you select for workloads that run periodically or for short periods of time and that don't require continuous availability?

Reserved capacity

Pre-emptible capacity

On-demand capacity

Dedicated capacity

32. Which FOUR types of images can be used in Oracle Cloud Infrastructure?

Oracle-provided Solaris images

Oracle-provided Linux images

Oracle-provided Windows images

Prebuilt application images from Oracle available in the OCI Marketplace

Custom images created from existing images in OCI

1. For which TWO types of workloads must you use a bare metal compute instance?

Virtualized workloads

Workloads that require a specific hypervisor

Workload that do not require BYO image

Performance-sensitive workloads

Region / AD / FD

1. You have subscribed to an OCI region, which has one a single availability domain. You want to deploy a highly-available application with two web servers and a 2-Node database.

How would you place the components to maintain high-availability of the application?

Place the servers in one fault domain and the database nodes in another fault domain.

Place one server and a DB node in one fault domain, and the second server and DB node in another fault domain. (*)

High availability is not possible because there is only one availability domain in the region.

Place all the components in the same fault domain.

Correct. Fault domains provide anti-affinity: they let you distribute your instances so that the instances are not on the same physical hardware within a single availability domain. A hardware failure that affects one fault domain does not affect instances in other fault domains.

2. Which OCI construct protects against failures within an availability domain?

Fault Domain (*)

Tenancy

Regions

Compartments

Load Balancer

Correct. A fault domain is a grouping of hardware and infrastructure within an availability domain. Each availability domain contains three fault domains for high availability.

3. Which statement is true about OCI?

A single fault domain can be associated with multiple availability domains within a region.

An availability domain is a logical data center.

Availability domains share infrastructure such as power, cooling, or internal availability domain network within a region.

An OCI region is a localized geographic area. (*)

Correct. Oracle Cloud Infrastructure is hosted in regions and availability domains. A region is a localized geographic area

4. Which statement accurately describes an OCI Region?

Each Availability Domain has a single Fault Domain.

Each Fault Domain has multiple Availability Domains.

Each region has a single Fault Domain.

Each Availability Domain has three Fault Domains. (*)

Correct. Each availability domain contains three fault domains for high availability.

5. Which statement is true about OCI architecture and its core components?

Each availability domain has three fault domains. (*)

Each fault domain has three availability domains.

Fault domains act as physical data centers within an availability domain.

All OCI regions have three availability domains.

Correct. Every availability domain has three fault domains for high availability.