



# 1Z0-997<sup>Q&As</sup>

Oracle Cloud Infrastructure 2019 Architect Professional

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## QUESTION 1

After performing maintenance on an Oracle Linux compute instance the system is returned to a running state. You attempt to connect using SSH but are unable to do so. You decide to create an instance console connection to troubleshoot the issue. Which three tasks would enable you to connect to the console connection and begin troubleshooting?

- A. Use SSH to connect to the public IP address of the compute Instance and provide the console connection OCID as the username.
- B. Edit the Linux boot menu to enable access to console.
- C. Use SSH to connect to the service endpoint of the console connection service.
- D. Reboot the compute instance using the Oracle Cloud Infrastructure (OCI) Management Console.
- E. Upload an API signing key for console connection authentication.
- F. Stop the compute Instance using the Oracle cloud Infrastructure (OCI) Command Line interface (CLI).

Correct Answer: BCD

The Oracle Cloud Infrastructure Compute service provides console connections that enable you to remotely troubleshoot malfunctioning instances, such as:

An imported or customized image that does not complete a successful boot.

A previously working instance that stops responding.

the steps to connect to console and troubleshoot the OS Issue 1- Before you can connect to the serial console you need to create the instance console connection. Open the navigation menu. Under Core Infrastructure, go to Compute and click Instances.

Click the instance that you're interested in.

Under Resources, click Console Connections.

Click Create Console Connection.

Upload the public key (.pub) portion for the SSH key. You can browse to a public key file on your computer or paste your public key into the text box.

Click Create Console Connection.

When the console connection has been created and is available, the status changes to ACTIVE.

2- Connecting to the Serial Console

you can connect to the serial console by using a Secure Shell (SSH) connection to the service endpoint of the console connection service



Open the navigation menu. Under Core Infrastructure, go to Compute and click Instances.

Click the instance that you're interested in.

Under Resources, click Console Connections.

Click the Actions icon (three dots), and then click Copy Serial Console Connection for Linux/Mac. Paste

the connection string copied from the previous step to a terminal window on a Mac OS X or Linux system, and then press Enter to connect to the console. If you are not using the default SSH key or ssh-agent, you can modify the serial console connection

Press Enter again to activate the console. 3- Troubleshooting Instances from Instance Console Connections To boot into maintenance mode Reboot the instance from the Console. When the reboot process starts, switch back to the terminal window, and you see Console messages start to appear in the window. As soon as you see the GRUB boot menu appear, use the up/down arrow key to stop the automatic boot process, enabling you to use the boot menu. In the boot menu, highlight the top item in the menu, and type e to edit the boot entry. In edit mode, use the down arrow key to scroll down through the entries until you reach the line that starts with either linuxefi for instances running Oracle Autonomous Linux 7.x or Oracle Linux 7.x, or kernel for instances running Oracle Linux 6.x. At the end of that line, add the following: init=/bin/bash Reboot the instance from the terminal window by entering the keyboard shortcut CTRL+X.

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## QUESTION 2

An Oracle Cloud Infrastructure (OCI) Public Load Balancer's SSL certificate is expiring soon. You noticed the Load Balancer is configured with SSL Termination only. When the certificate expires, data traffic can be interrupted and security compromised.

What steps do you need to take to prevent this situation?

- A. Add the new SSL certificate to the Load Balancer, update backend servers to work with a new certificate and edit listeners so they can use the new certificate bundle.
- B. Add the new SSL certificate to the Load Balancer, update listeners and backend sets so they can use the new certificate bundle.
- C. Add the new SSL certificate to the Load Balancer and implement end to end SSL so it can encrypt the traffic from clients all the way to the backend servers.
- D. Add the new SSL certificate to the Load Balancer and update backend servers to use the new certificate bundle.
- E. Add the new SSL certificate to the Load Balancer and update listeners to use the new certificate bundle.

Correct Answer: A

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## QUESTION 3

The Finance department of your company has reached out to you. They have customer sensitive data on compute Instances In Oracle Cloud Infrastructure (OCI) which they want to store in OCI Storage for long term retention and archival.



To meet security requirements they want to ensure this data is NOT transferred over public internet, even if encrypted.

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Which option meets this requirements?

- A. Configure a NAT instance and all traffic between compute In Private subnet should use this NAT instance with Private IP as the route target.
- B. Use NAT gateway with appropriate route table when transferring data. Then use NAT gateways\' toggle (on/off) once data transfer is complete.
- C. Use Service gateway with appropriate route table.
- D. Use Storage gateway with appropriate firewall rule.

Correct Answer: C

Service Gateway is virtual router that you can add to your VCN. It provides a path for private network traffic between your VCN and supported services in the Oracle Services Network like Object Storage) so compute Instances in a private subnet in your VCN can back up data to Object Storage without needing public IP addresses or access to the intern

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#### QUESTION 4

A civil engineering company is running an online portal In which engineers can upload there constructions photos, videos, and other digital files. There is a new requirement for you to implement: the online portal must offload the digital content to an Object Storage bucket for a period of 72 hours. After the provided time limit has elapsed, the portal will hold all the digital content locally and wait for the next offload period. Which option fulfills this requirement?

- A. Create a pre-authenticated URL for the entire Object Storage bucket to read and list the content with an expiration of 72 hours.
- B. Create a pre authenticated URL lot each object that ls uploaded to the Object Storage bucket with an expiration of 72 hours.
- C. Create a Dynamic Group with matching rule for the portal compute Instance and grant access to the Object Storage bucket for 72 hours.
- D. Create a pre authenticated URL for the entire Object Storage bucket to write content with an expiration of 72 hours.

Correct Answer: D

Pre-authenticated requests provide a way to let users access a bucket or an object without having their own credentials, as long as the request creator has permission to access those objects. For example, you can create a request that lets operations support user upload backups to a bucket without owning API keys. Or, you can create a request that lets a business partner update shared data in a bucket without owning API keys. When creating a pre-authenticated request, you have the following options: You can specify the name of a bucket that a pre-authenticated request user has write access to and can upload one or more objects to. You can specify the name of an object that a pre-authenticated



request user can read from, write to, or read from and write to. Scope and Constraints Understand the following scope and constraints regarding pre-authenticated requests: Users can't list bucket contents. You can create an unlimited number of pre-authenticated requests. There is no time limit to the expiration date that you can set. You can't edit a pre-authenticated request. If you want to change user access options in response to changing requirements, you must create a new pre-authenticated request. The target and actions for a pre-authenticated request are based on the creator's permissions. The request is not, however, bound to the creator's account login credentials. If the creator's login credentials change, a pre-authenticated request is not affected.

You cannot delete a bucket that has a pre-authenticated request associated with that bucket or with an object in that bucket.

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#### QUESTION 5

A retail company runs their online shopping platform entirely on Oracle cloud Infrastructure (OCI). This is a 3-tier web application that includes a Mbps Load Balancer, Virtual Machine Instances for web and an Oracle DB Systems Virtual Machine. Due to unprecedented growth, they noticed an increase in the incoming traffic to their website and all users start getting 503 (Service Unavailable) errors. What is the potential problem in this scenario?

- A. The Load Balancer health check status indicates critical situation for half of the backend web servers
- B. All the web servers are too busy and not able to answer any request from users.
- C. The Database is down hence users can not access the web site
- D. The Traffic Management Policy is not set to load Balancer the traffic to the web servers.
- E. You did not configure a Service Gateway to allow connection between web servers and load Balance

Correct Answer: B

A 503 Service Unavailable Error is an HTTP response status code indicating that a server is temporarily unable to handle the request. This may be due to the server being overloaded or down for maintenance.

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