

Exp No: 6

Date:

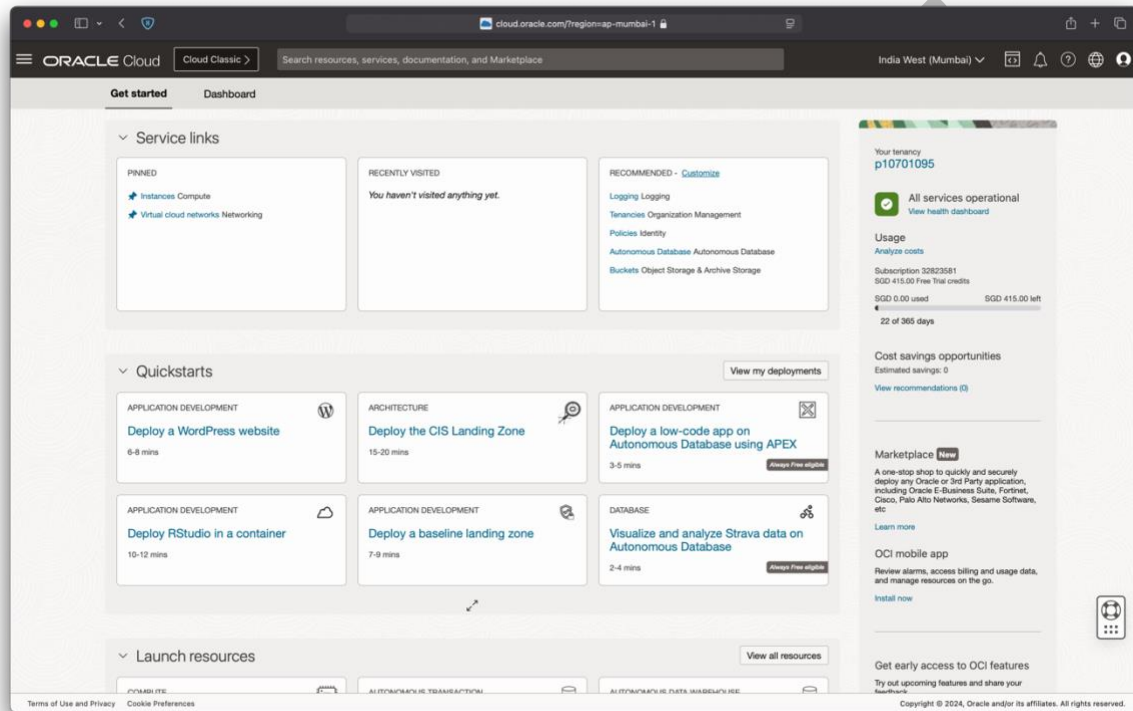
CREATING AN INSTANCE IN ORACLE CLOUD

AIM:

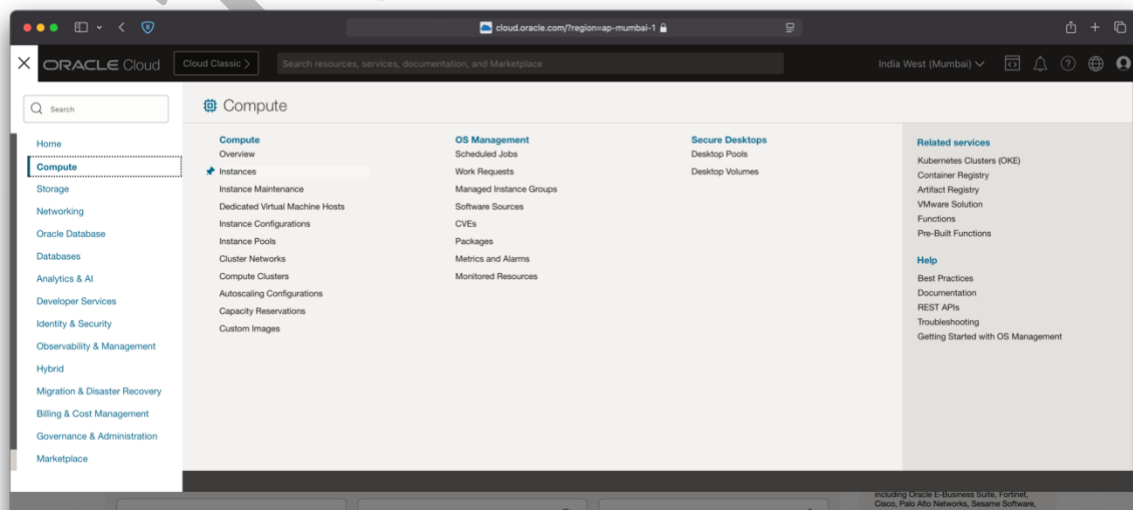
To create a virtual machine instance in a public cloud provider – Oracle Cloud to understand the PAAS concept.

PROCEDURE:

Login to the oracle cloud console in your closest region (Mumbai)




Choose Instance service from compute.




Choose Compartment as Root.

List scope


Compartment




 p10701095 (root)

Filtering Content body

State






Shape



Name your new instance. And leave any other setting default.

cloud.oracle.com/compute/instances/create?region=ap-mumbai-1

ORACLE Cloud Cloud Classic > Search resources, services, documentation, and Marketplace India West (Mumbai)   

Create compute instance

Create an instance to deploy and run applications, or save as a reusable Terraform stack for creating an instance with Resource Manager.

Name

Create in compartment

Placement Edit

Availability domain: AD-1 Always free-eligible Capacity type: On-demand capacity

Fault domain: Let Oracle choose the best fault domain

Security Edit

Shielded instance: Disabled

Confidential computing: Disabled

Image and shape Edit

Image: Oracle Linux 8

Image build: 2024.09.30-0

Shape: VM.Standard.E2.1.Micro Always free-eligible

OCPU count: 1

Memory (GB): 1

Network bandwidth (Gbps): 0.48

Primary VNIC information Edit

Virtual cloud network: vcn-20241103-1926

Use network security groups to control traffic: No

Assign a public IP address: Yes

Create Save as stack Cancel

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Estimated cost: SGD 2.76/month ^

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Summary

Compute instance

This estimate is for 1 instance running in the tenancy. Estimated cost will increase with multiple instances running and does not reflect any tier unit pricing. To better understand your consumption, use the [Cost Analysis](#) tool.

Shape	SGD 0.00/month
Boot volume	SGD 2.76/mo
Estimated total	SGD 2.76/mo

Download the ssh private key to access the instance remotely.

Create compute instance

Add SSH keys

Generate an [SSH key pair](#) to connect to the instance using a Secure Shell (SSH) connection, or upload a public key that you already have.

☒ Generate a key pair for me ☐ Upload public key files (.pub) ☐ Paste public keys ☐ No SSH keys

Download the private key so that you can connect to the instance using SSH. It will not be shown again.

[Save private key](#) [Save public key](#)

Boot volume

A **boot volume** is a detachable device that contains the image used to boot the compute instance.

☐ Specify a custom boot volume size
[Volume performance](#) varies with volume size. Default boot volume size: 46.6 GB. When you specify a custom boot volume size, service limits apply.

☒ Use in-transit encryption
[Encrypt data](#) in transit between the instance, the boot volume, and the block volumes.

☐ Encrypt this volume with a key that you manage
By default, Oracle manages the keys that encrypt this volume, but you can choose a key from a vault that you have access to if you want greater control over the key's lifecycle and how it's used. [View our encryption keys](#)

Block volumes

[Attach block volume](#)

Summary

Compute instance

This estimate is for 1 instance running in the tenancy. Estimated cost will increase with multiple instances running and does not reflect any tier unit pricing. To better understand your consumption, use the [Cost Analyzer](#) tool.

Shape	SGD 0.00/month
Boot volume	SGD 2.76/mo
Estimated total	SGD 2.76/mo

Estimated cost: SGD 2.76/month

[Create](#) [Save as stack](#) [Cancel](#)

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You can see your instance information like follows.

Compute > Instances > Instance details

Hadoop-Slave [Recent items](#)

[Start](#) [Stop](#) [Reboot](#) [Terminate](#) [More actions](#)

Instance information [Shielded instance](#) [Maintenance](#) [Oracle Cloud Agent](#) [Notifications](#) [Security](#) [Tags](#)

General information

Availability domain: AD-1
Fault domain: FD-3
Region: ap-mumbai-1
OCID: ...qmhdq [Show](#) [Copy](#)
Launched: Sun, Nov 3, 2024 at 14:00:38 UTC
Compartment: p10701095 (root)
Capacity type: On-demand

Instance details

Virtual cloud network: -
Launch mode: PARAVIRTUALIZED
Instance metadata service: Versions 1 and 2 ⓘ

Image details

Operating system: Canonical Ubuntu
Version: 20.04 Minimal
Image: [Canonical-Ubuntu-20.04-Minimal-2024.10.08-0](#)

Shape configuration

Shape: VM.Standard.E2.1.Micro ⓘ
OCPU count: 1

Instance access

The instance must be running before you can connect to it.

Primary VNIC

Public IPv4 address: -
Private IPv4 address: -
Network security groups: Loading...
Subnet: -
Private DNS record: Disable
Internal FQDN: -

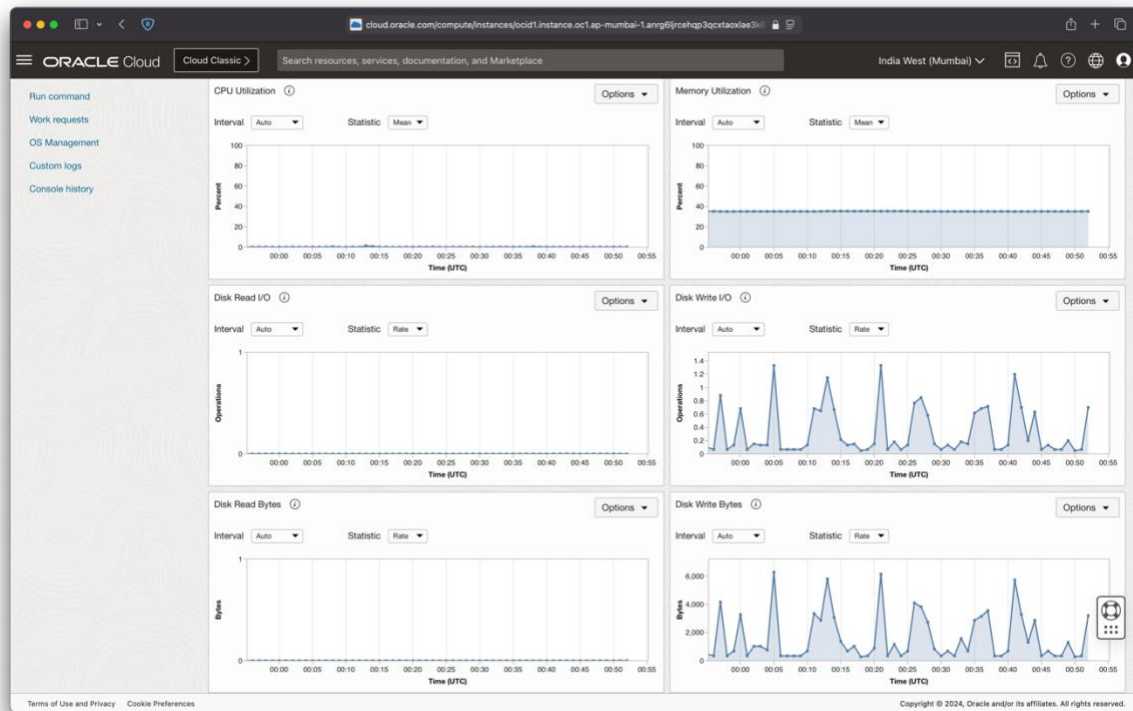
Launch options

NIC attachment type: PARAVIRTUALIZED
Remote data volume: PARAVIRTUALIZED
Firmware: UEFI_64
Boot volume type: PARAVIRTUALIZED
In-transit encryption: Disabled
Secure Boot: Disabled
Measured Boot: Disabled
Trusted Platform Module: Disabled
Confidential computing: Disabled

TERMINATED

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RESULT:

To create a virtual machine instance in a public cloud provider – Oracle Cloud to understand the PAAS concept.