

Exp No: 5

Date:

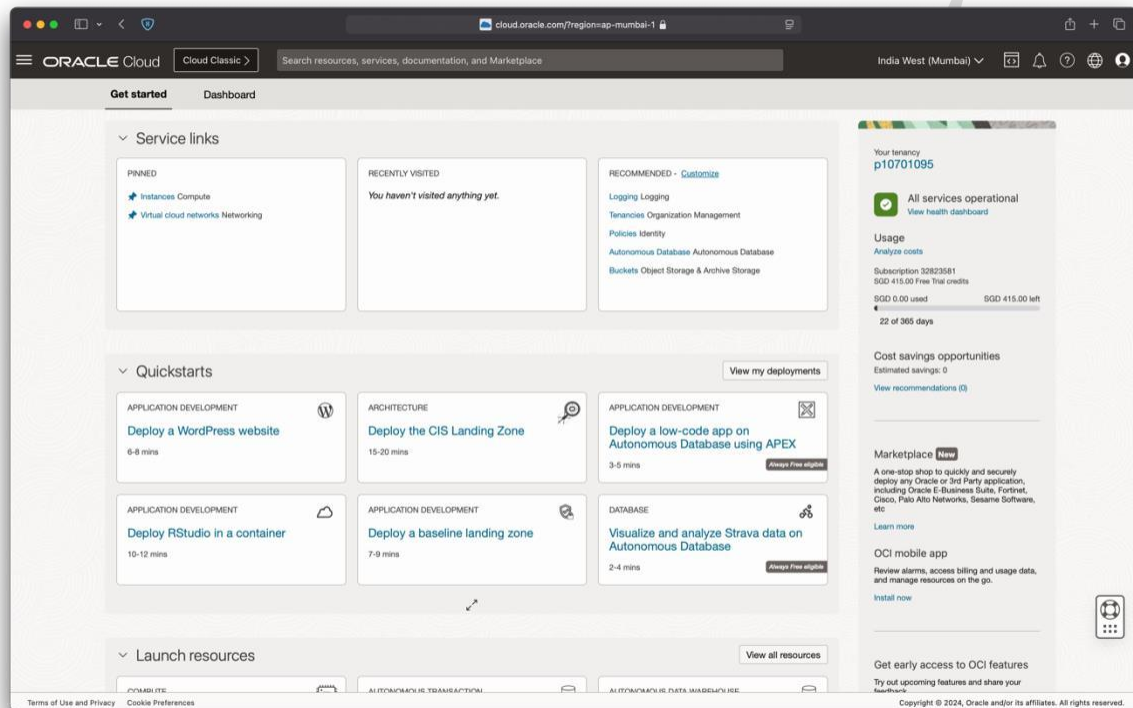
CREATING AN INSTANCE IN ORACLE CLOUD

AIM:

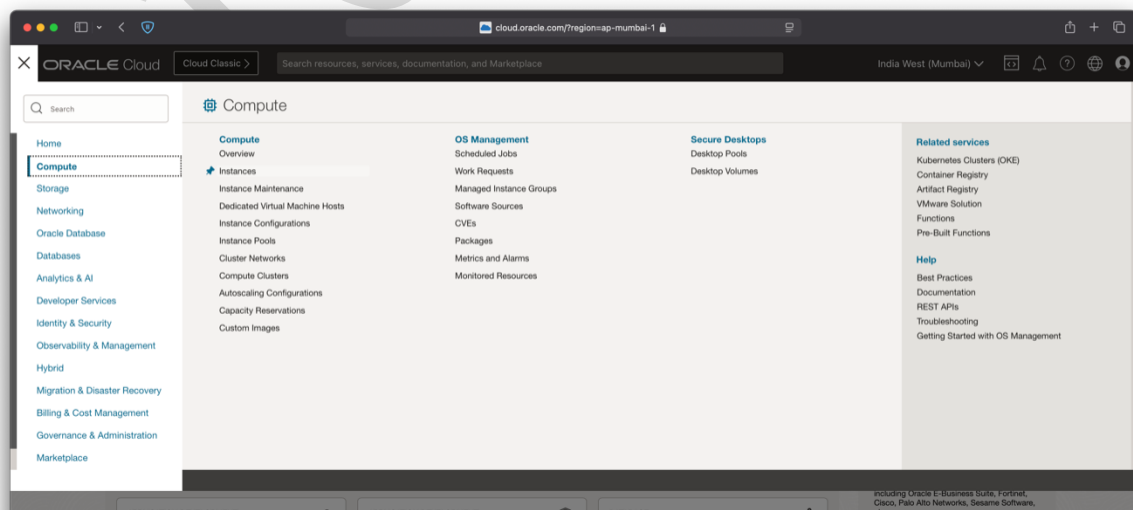
To create a virtual machine instance in a public cloud provider – Oracle Cloud to understand the PAAS concept.

PROCEDURE:

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



Choose Instance service from compute.



Choose Compartment as Root.

List scope

Compartment

Search compartments

+ p10701095 (root)

Filtering

Content body

State

Any state

Shape

Any 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

JerryLab

Create in compartment

p10701095 (root)

Placement

Availability domain: AD-1 [Always Free eligible](#)

Capacity type: On-demand capacity

Fault domain: Let Oracle choose the best fault domain

Edit

Security

Shielded instance: Disabled

Confidential computing: Disabled

Edit

Image and shape

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

Edit

Primary VNIC information

Virtual cloud network: vcn-20241103-1926

Subnet: subnet-20241103-1926

Use network security groups to control traffic: No

Assign a public IP address: Yes

Edit

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

Create Save as stack Cancel

Estimated cost: SGD 2.76/month

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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
[Encrypts 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. [How do I manage my own 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 Analysis](#) tool.

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

Estimated cost: SGD 2.76/month

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

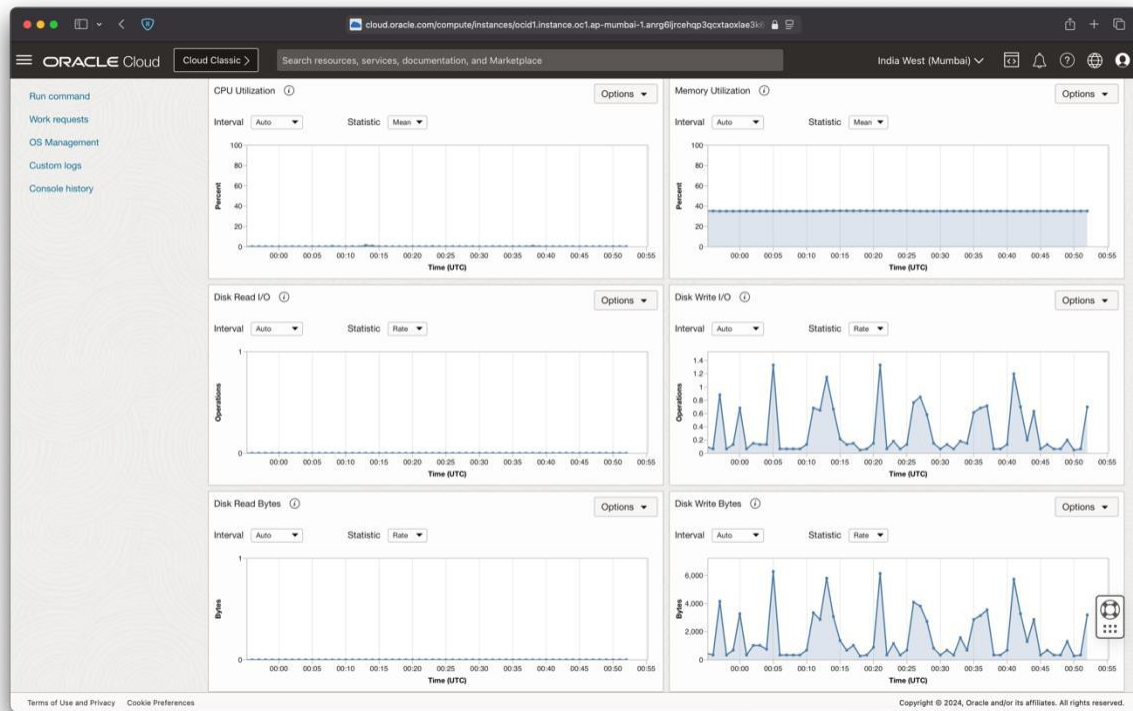
The instance must be running before you can connect to it.

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



RESULT:

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