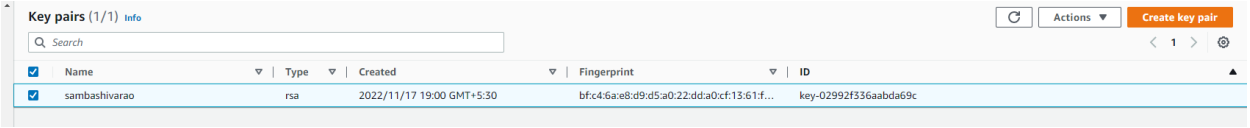
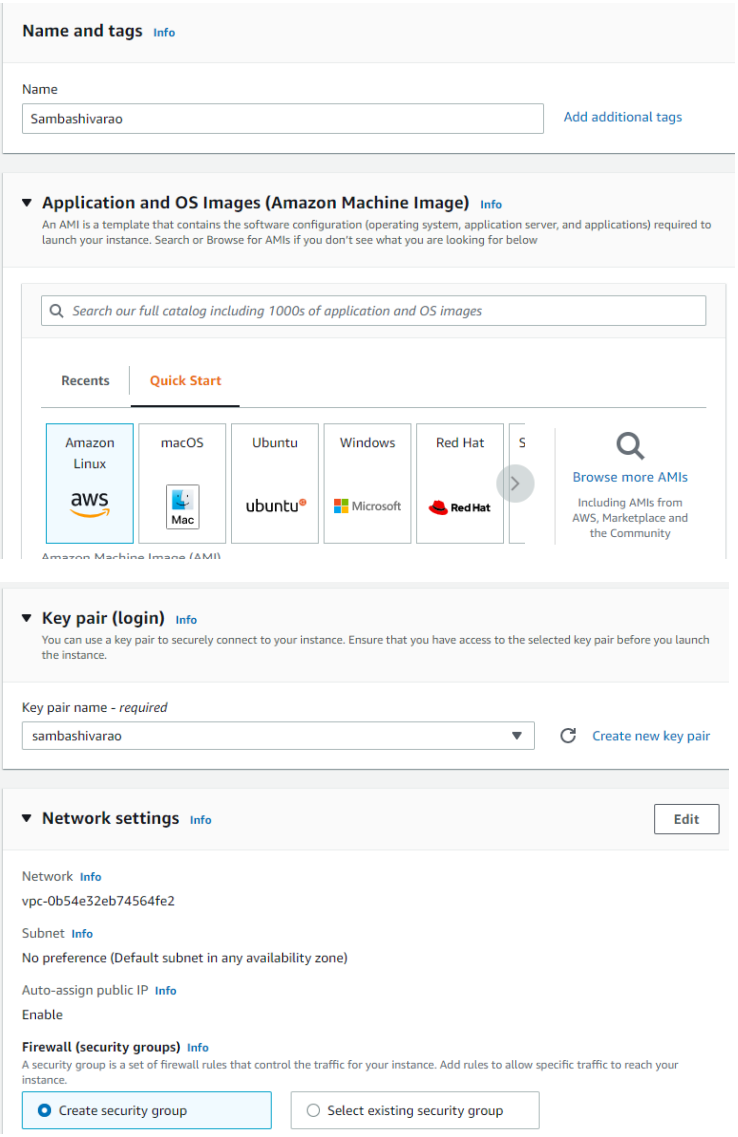
EC2 instances (2 machines - 1st machine - name, 2nd machine - surname)

Create Key pair



Launch Instance:



Connect to Instance Machine 1, Connect with RPD Client:

- Select Connect option
- Select Type RDP client
- Get password by using the .pem file
- Download remote desktop File

Session Manager | RDP client | EC2 serial console

Instance ID

i-04d974cec83976848 (sambashivarao)

Connection Type

Connect using RDP client
Download a file to use with your RDP client and retrieve your password.

Connect using Fleet Manager
To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see Working with SSM Agent

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Download remote desktop file

When prompted, connect to your instance using the following details:

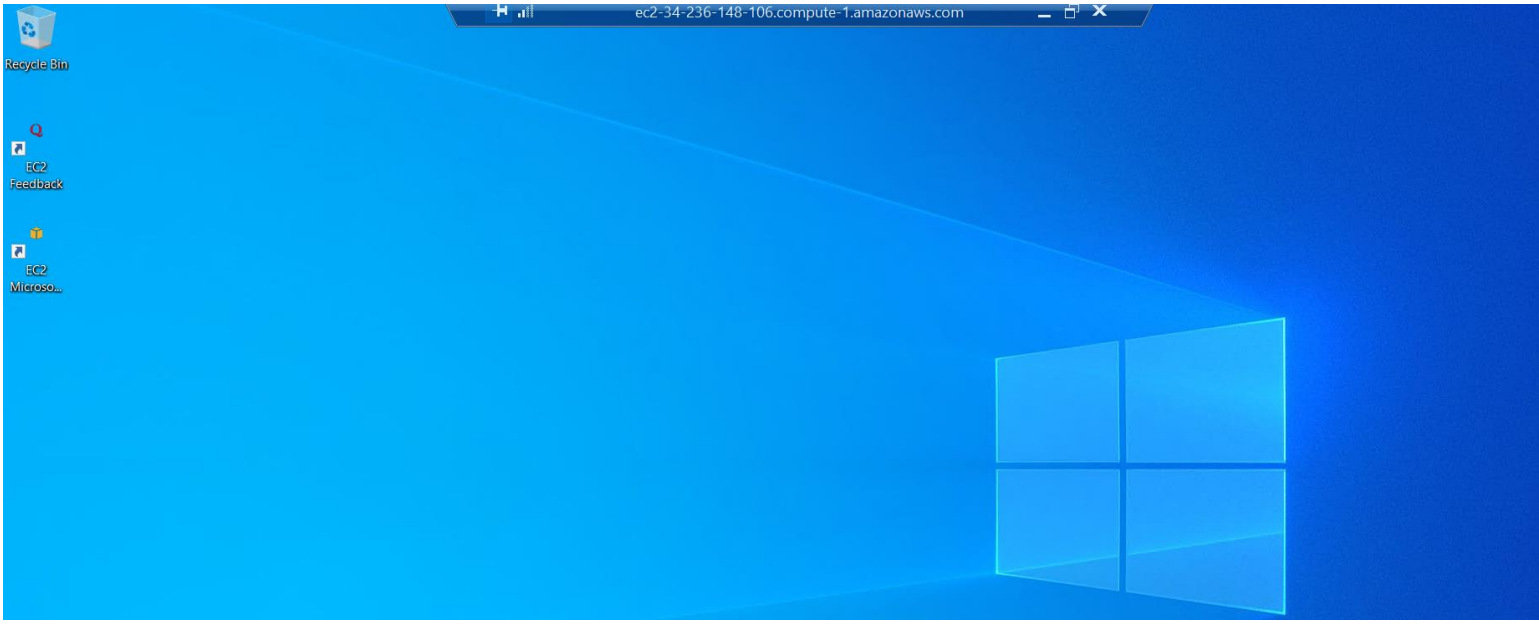
Public DNS

ec2-34-236-148-106.compute-1.amazonaws.com

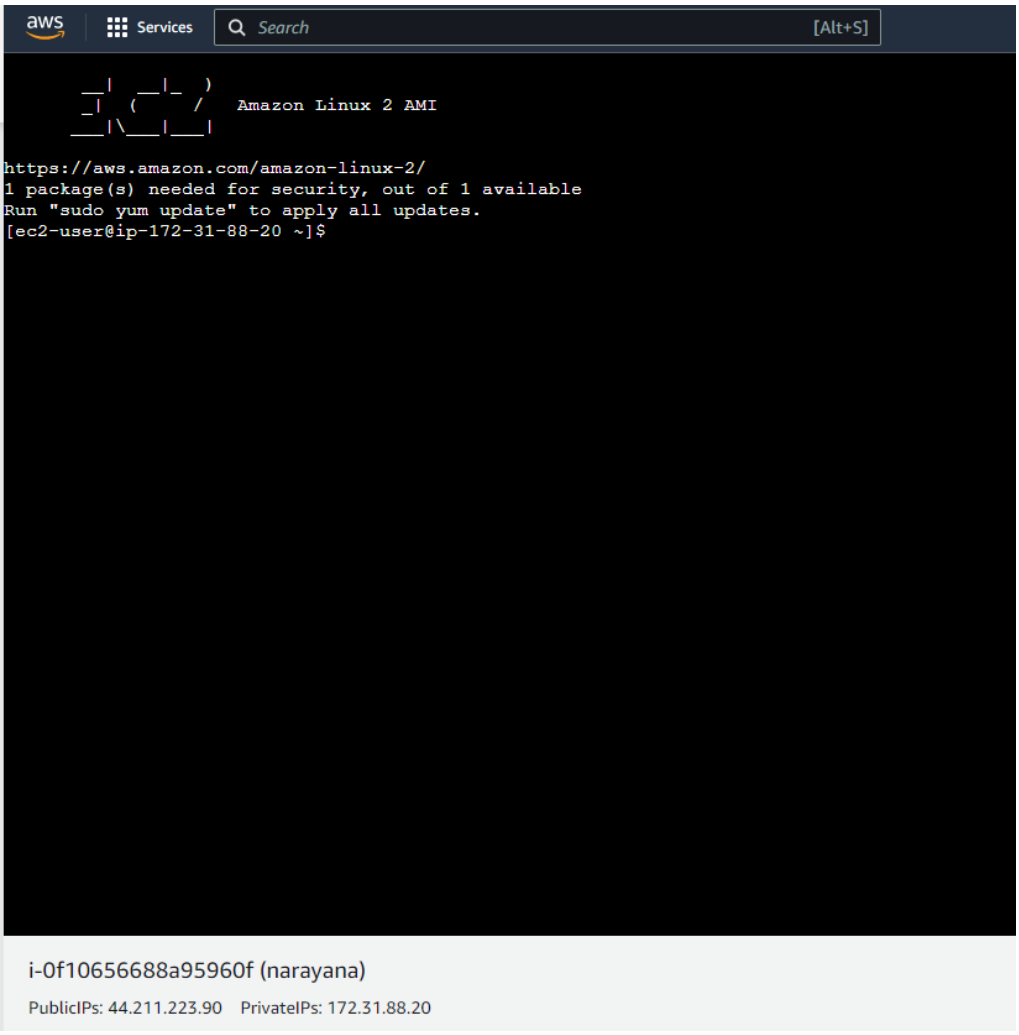
User name

Administrator

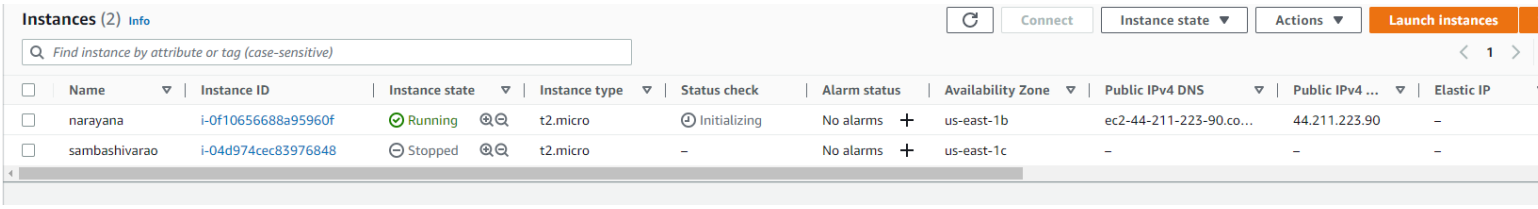
Connect to the computer:



Second instance – narayana

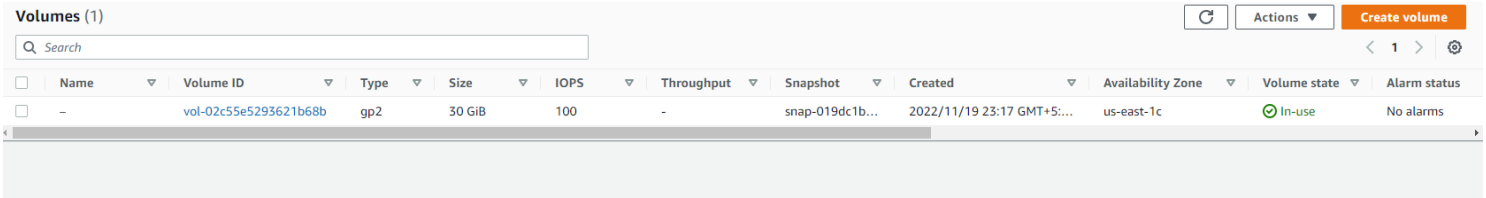


Two Instances with (Sambashivarao, narayana)

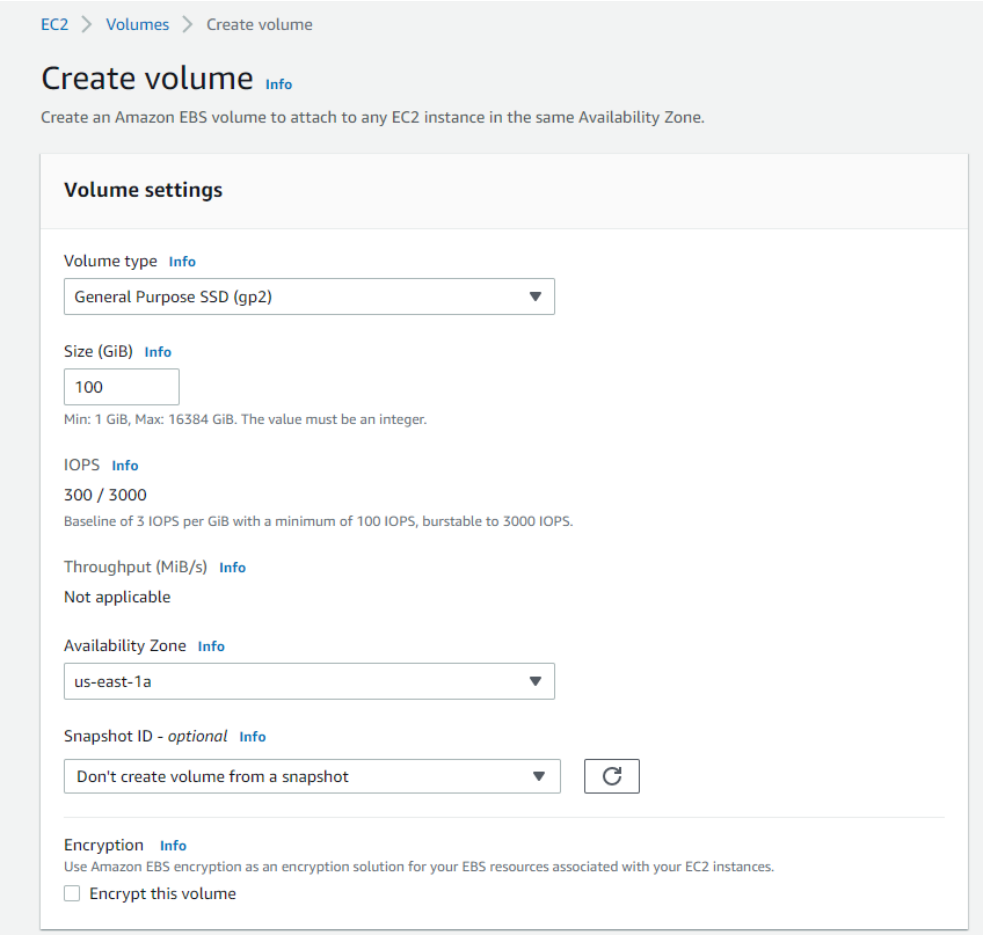


EBS volume

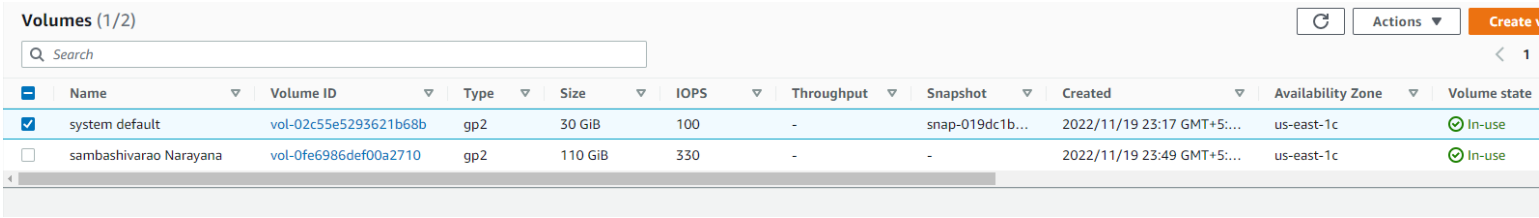
Before adding EBS to EC2:



Create volume:



1. After Creating new volume.
2. Attaching new volume to instance
3. Need to select same availability zone where instance have created



Details | Security | Networking | Storage | Status checks | Monitoring | Tags

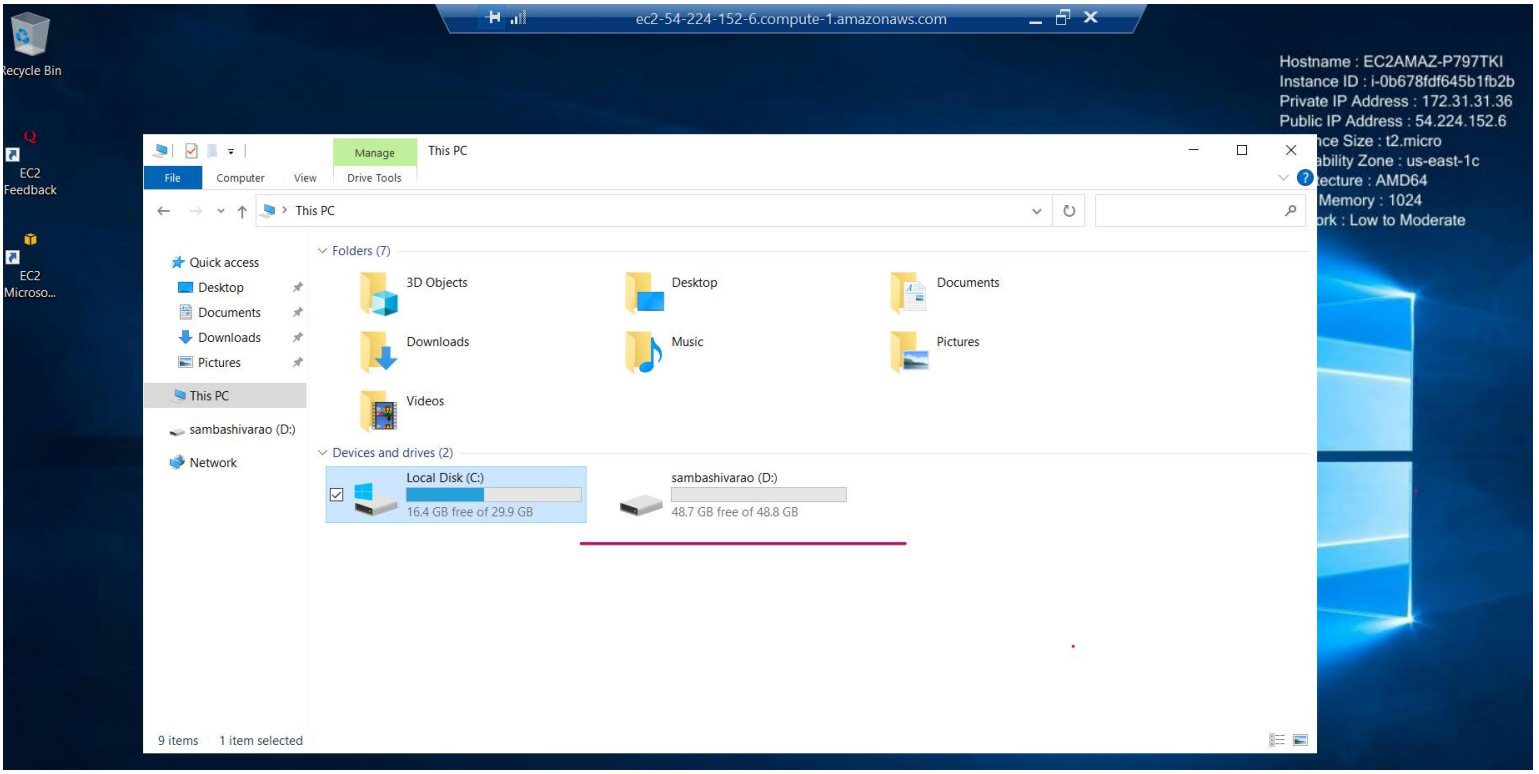
▼ Root device details

Root device name	Root device type	EBS optimization
/dev/sda1	EBS	disabled

▼ Block devices

Filter block devices

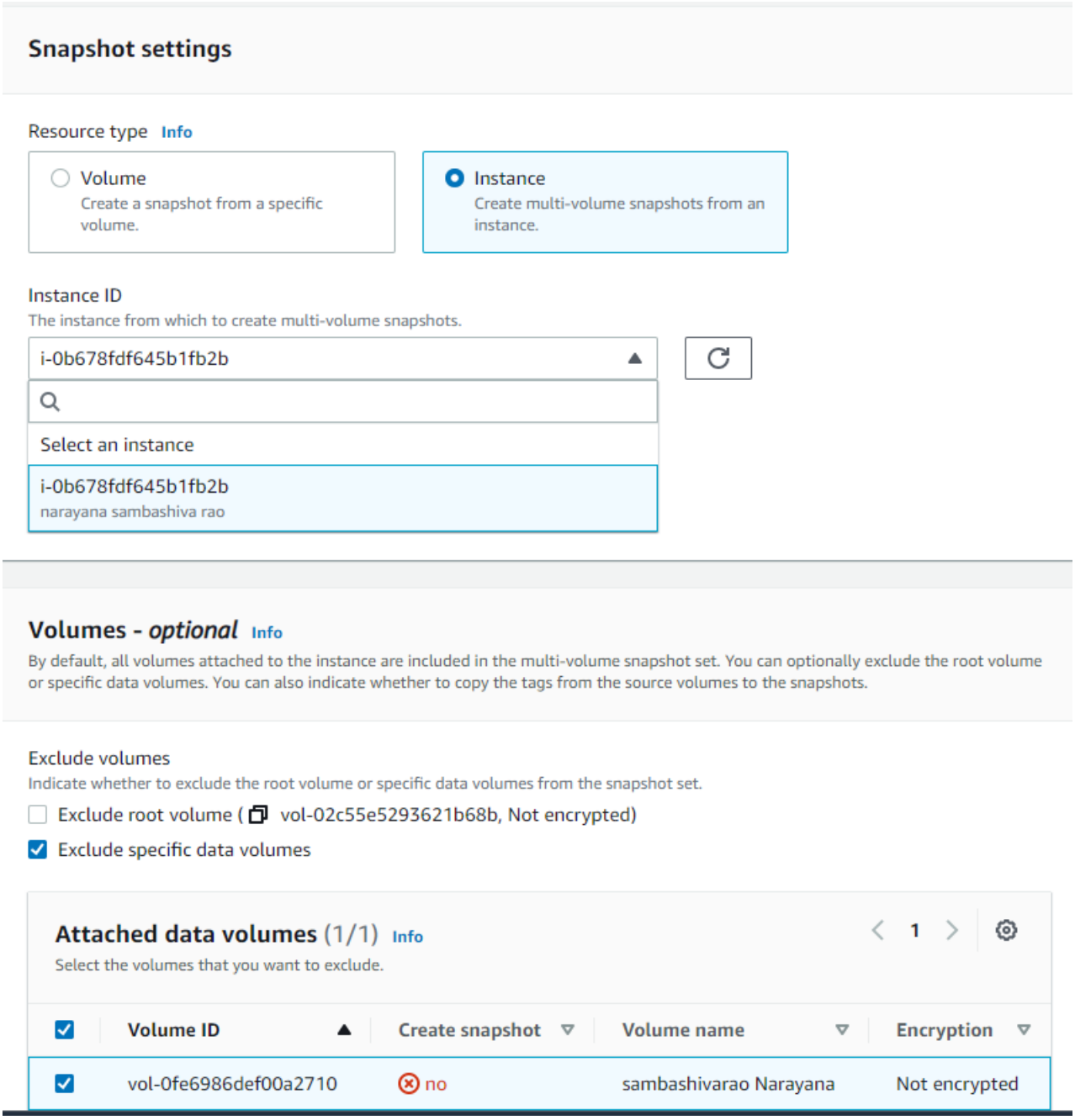
Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Delete on te
vol-02c55e5293621b68b	/dev/sda1	30	Attached	Sat Nov 19 2022 23:17:14 G...	No	–	Yes
vol-0fe6986def00a2710	xvdf	110	Attached	Sat Nov 19 2022 23:51:27 G...	No	–	No



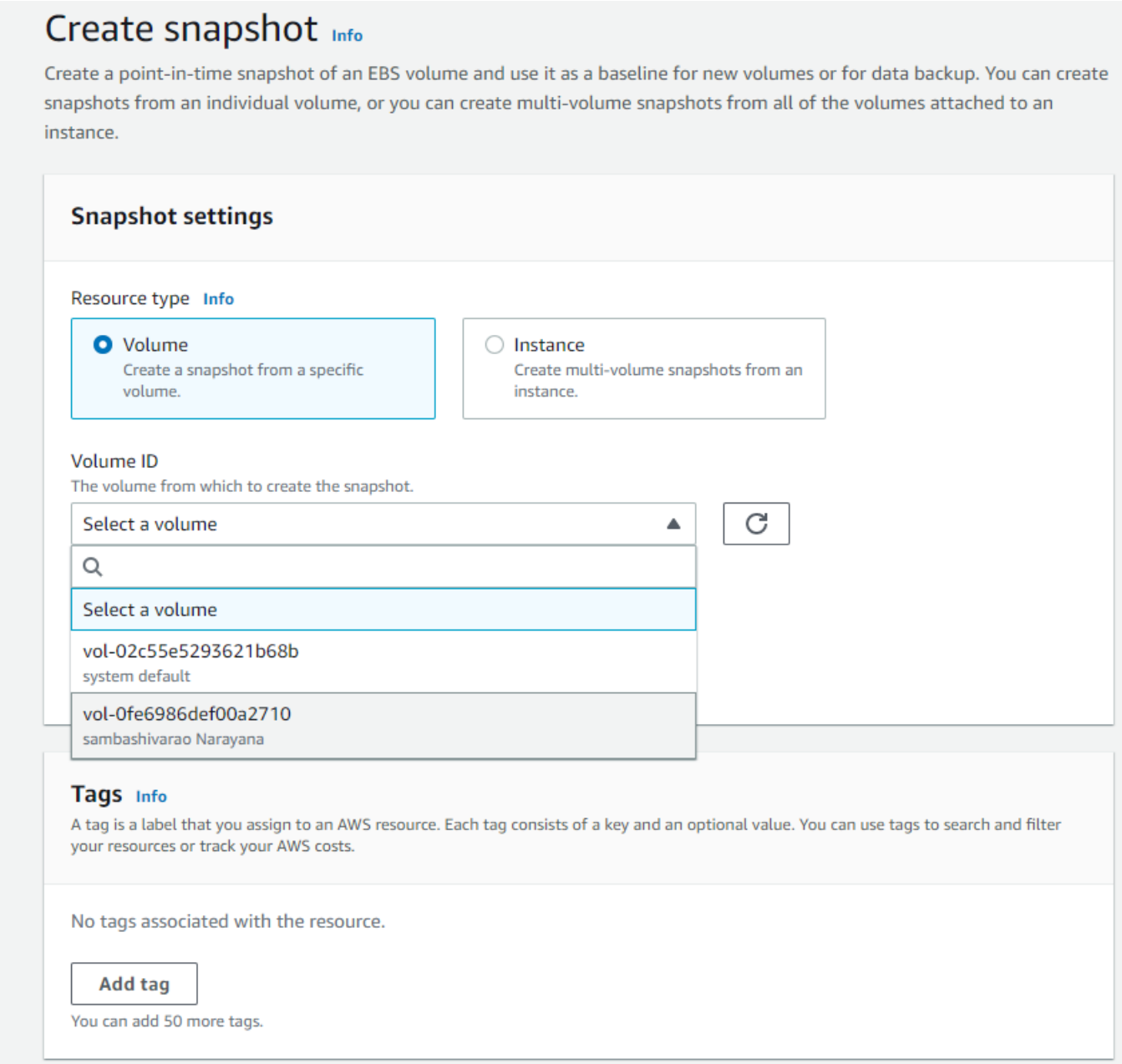
Newly created volume of 110gb disk space allocated to the newly created instance with 48gb.

Snapshot

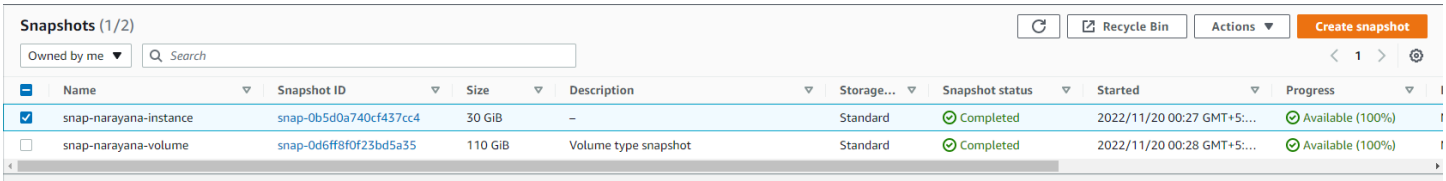
1. Creating Snapshot of instance type.



Creating Snapshot of Volume type.

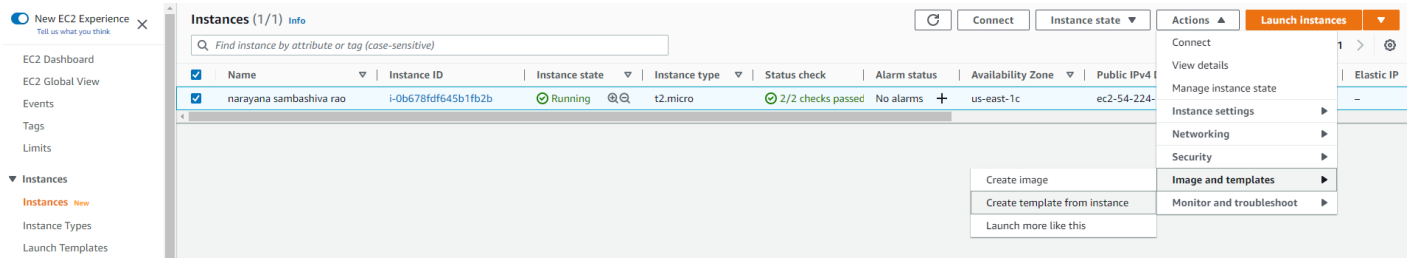


Snapshots of both instance Type and volume type.



AMI (Amazon Machine Images)

Creating Narayana Sambashiva Rao EC2 windows OS image



Create image Info

An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance.

Instance ID

i-0b678fdf645b1fb2b (narayana sambashiva rao)

Image name

IMG-SAMBASHIVARAO-EC2

Maximum 127 characters. Can't be modified after creation.

Image description - *optional*

Sambashivarao EC2 image

Maximum 255 characters

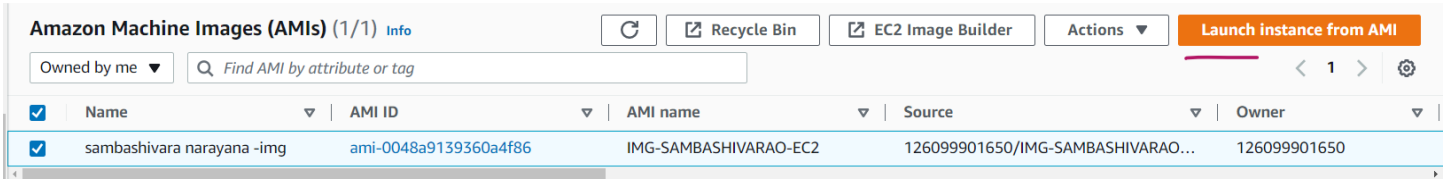
No reboot

☐ Enable

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/...	Create new snapshot fr...	30	EBS General Purpose S...	100		☑ Enable	☐ Enable
EBS	xvdf	Create new snapshot fr...	25	EBS General Purpose S...	330		☑ Enable	☐ Enable

Launch instance from newly create AMI



Name

IMG-Launched-EC2

Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

AMI from catalog | Recents | My AMIs | Quick Start

Amazon Machine Image (AMI)

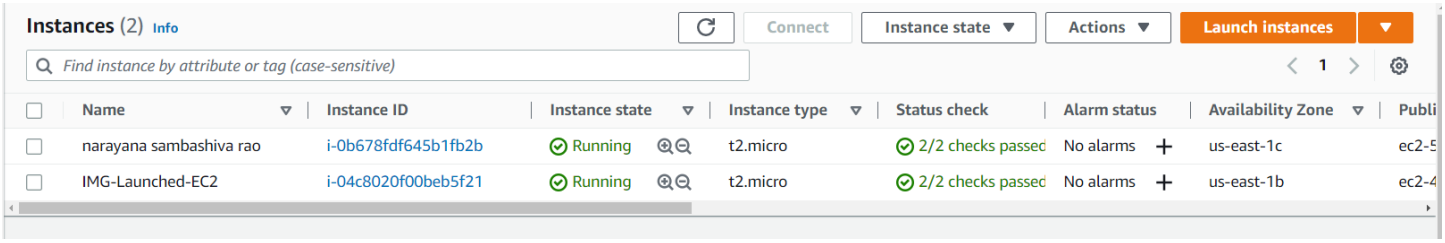
IMG-SAMBASHIVARAO-EC2
ami-0048a9139360a4f86

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

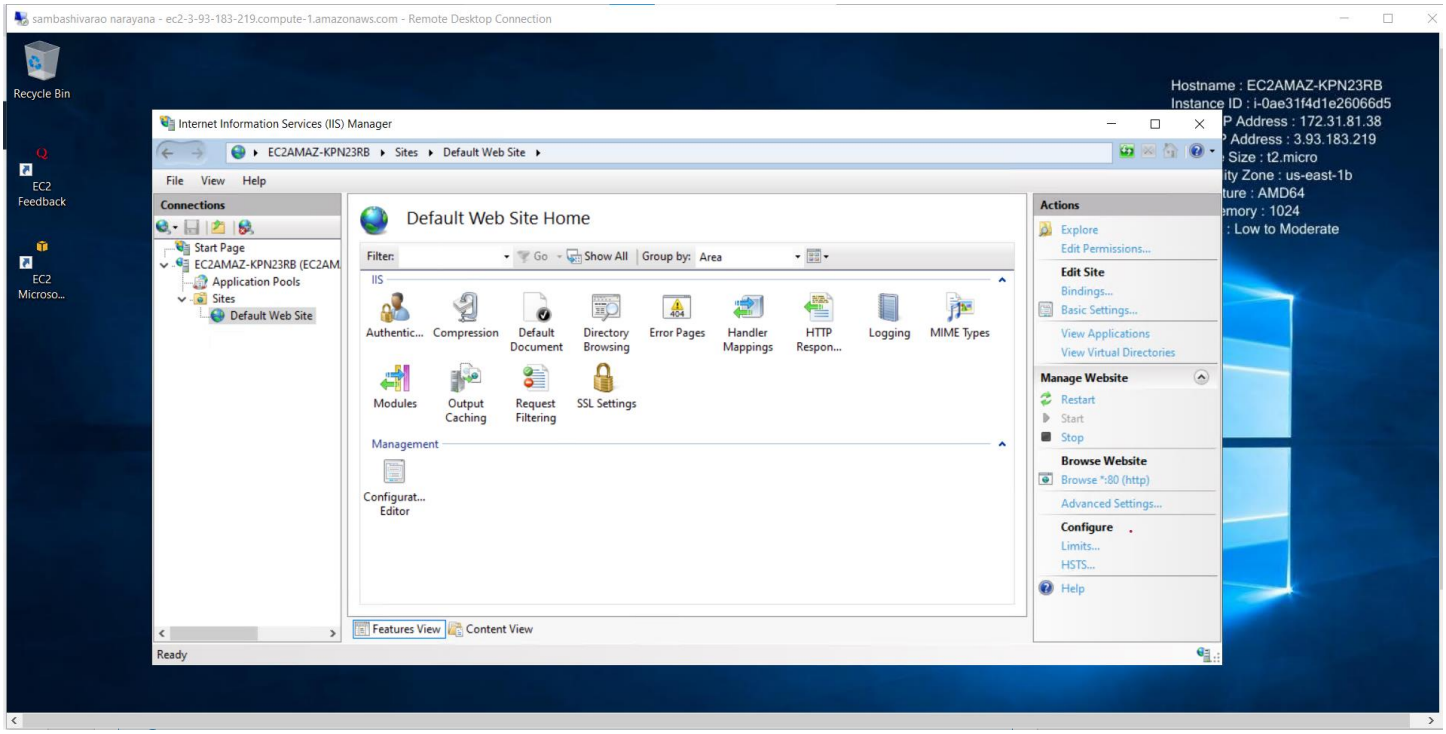
Published	Architecture	Virtualization	Root device type	ENA Enabled
2022-11-19T19:13:45.000Z	x86_64	hvm	ebs	Yes

Included instance created by Image

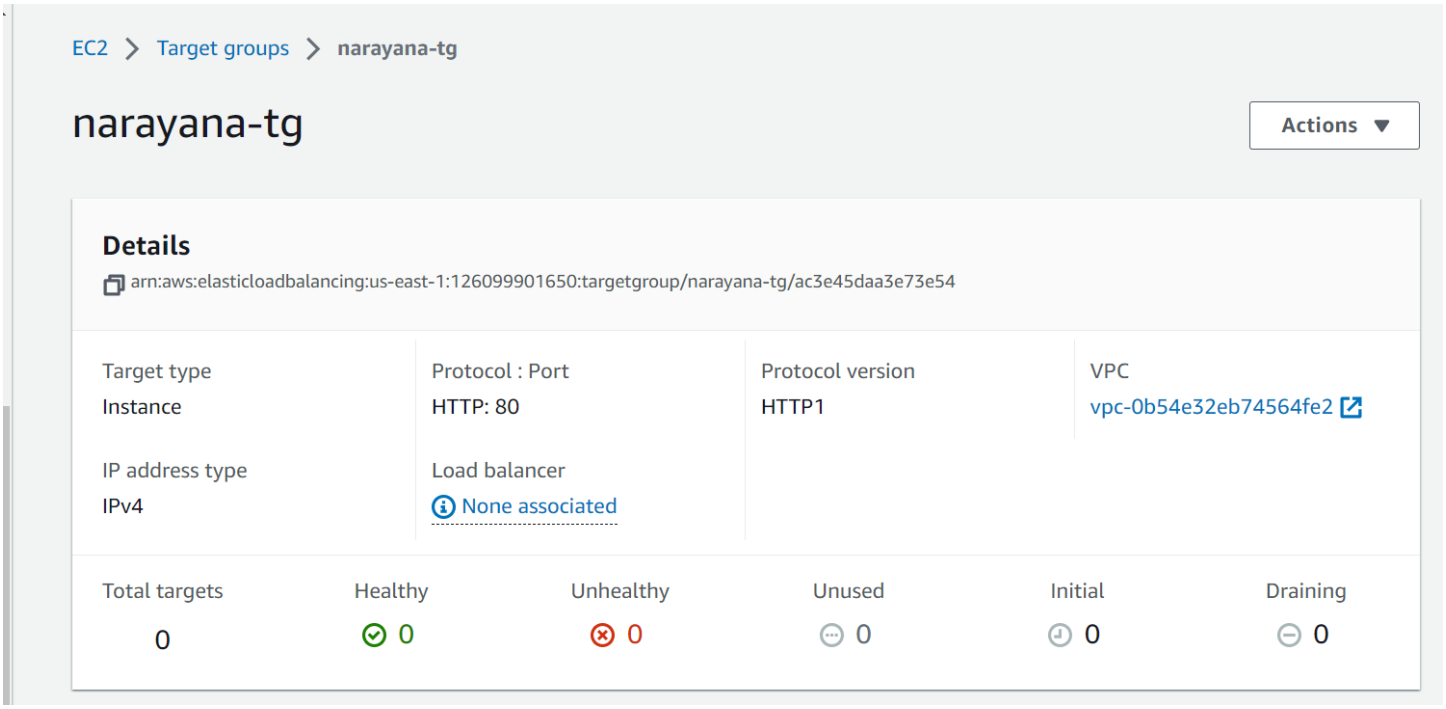


Load Balancer:

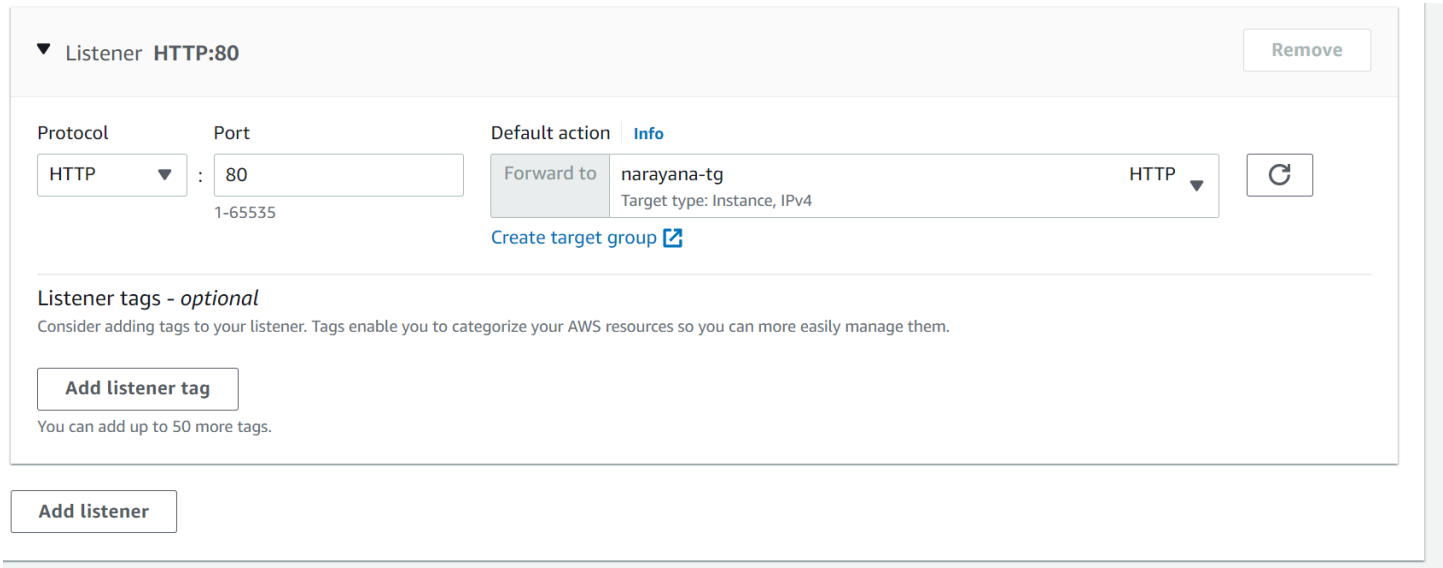
Create & launch EC2 instance with IIS:

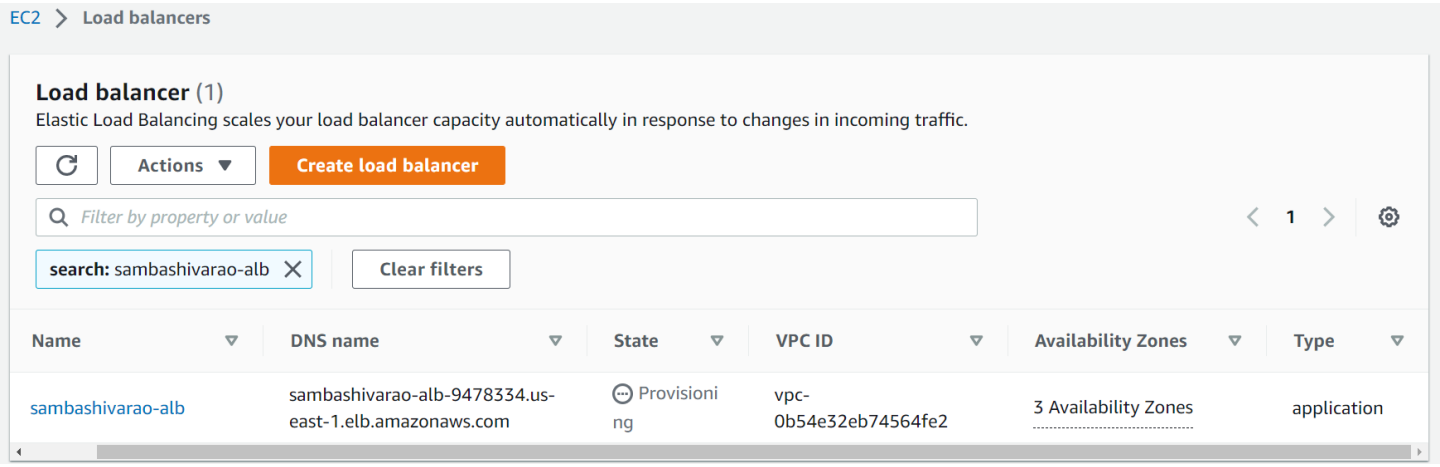


Create a target group and select the instance:

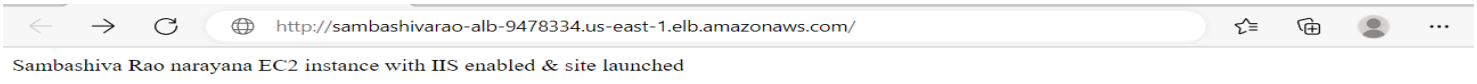


Create application load balancer by targeting to the previously created targeted group:





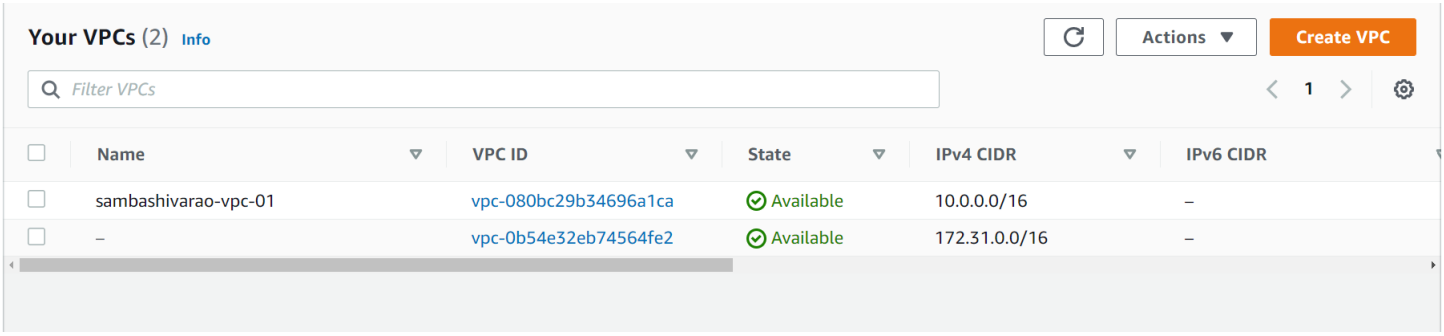
Load the website from application load balancer



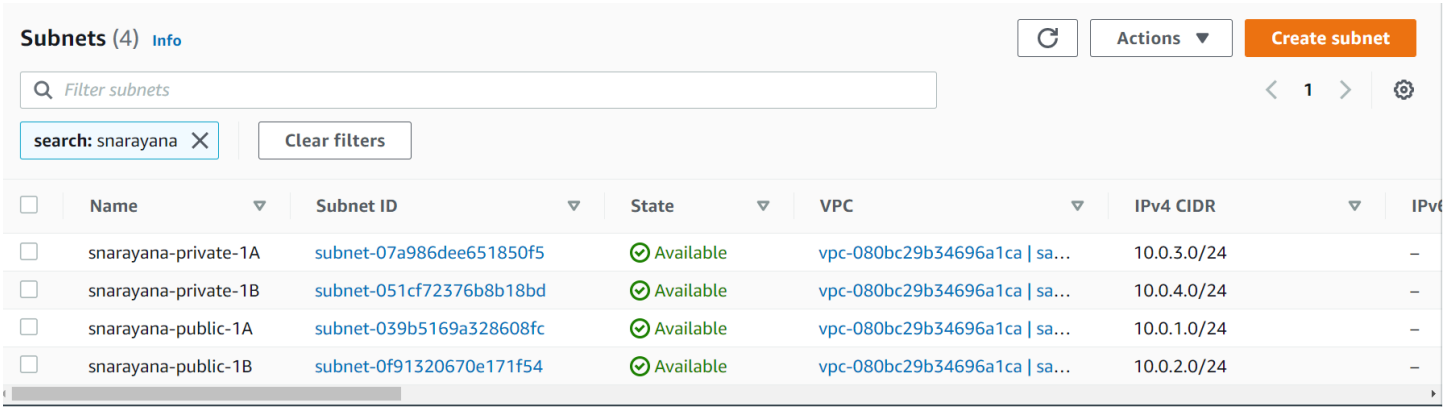
Sambashiva Rao narayana EC2 instance with IIS enabled & site launched

VPC with 2 public subnets & 2 private subnet having Internet gateway and NAT gateway

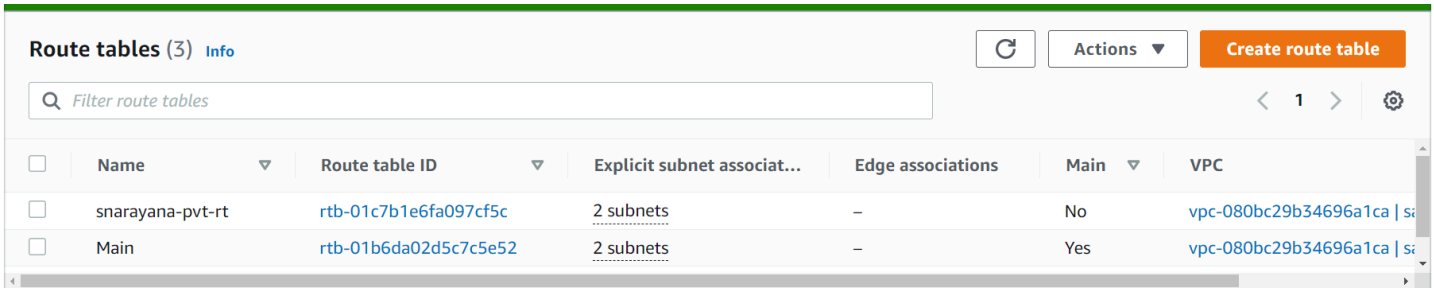
Create Custom VPC:



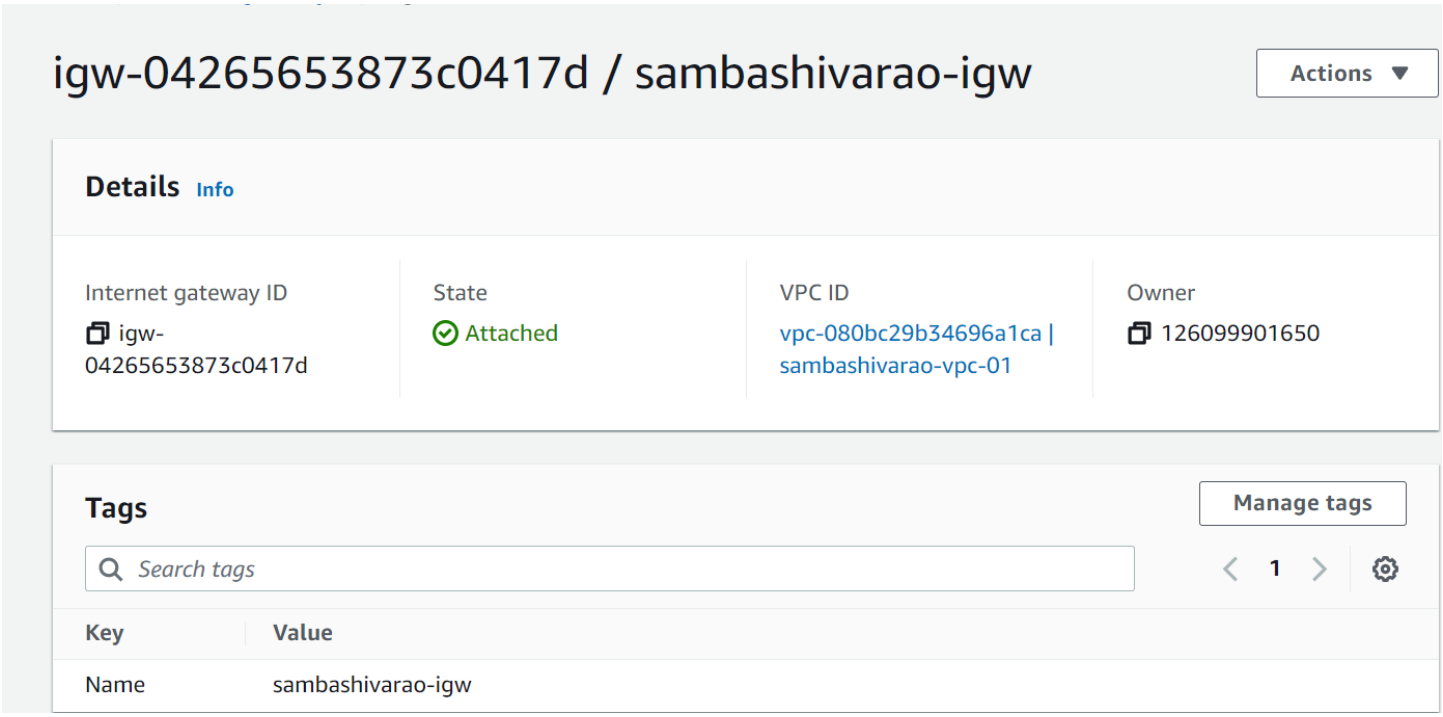
Create two public subnets & private subnets



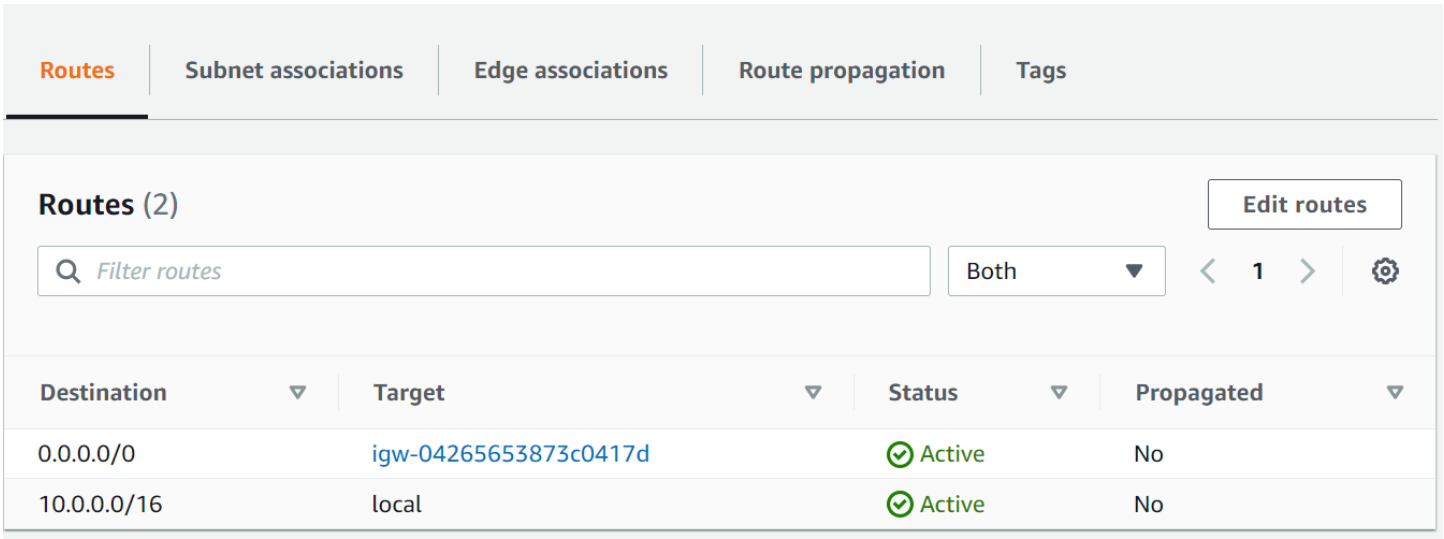
Associate Route tables to sub nets



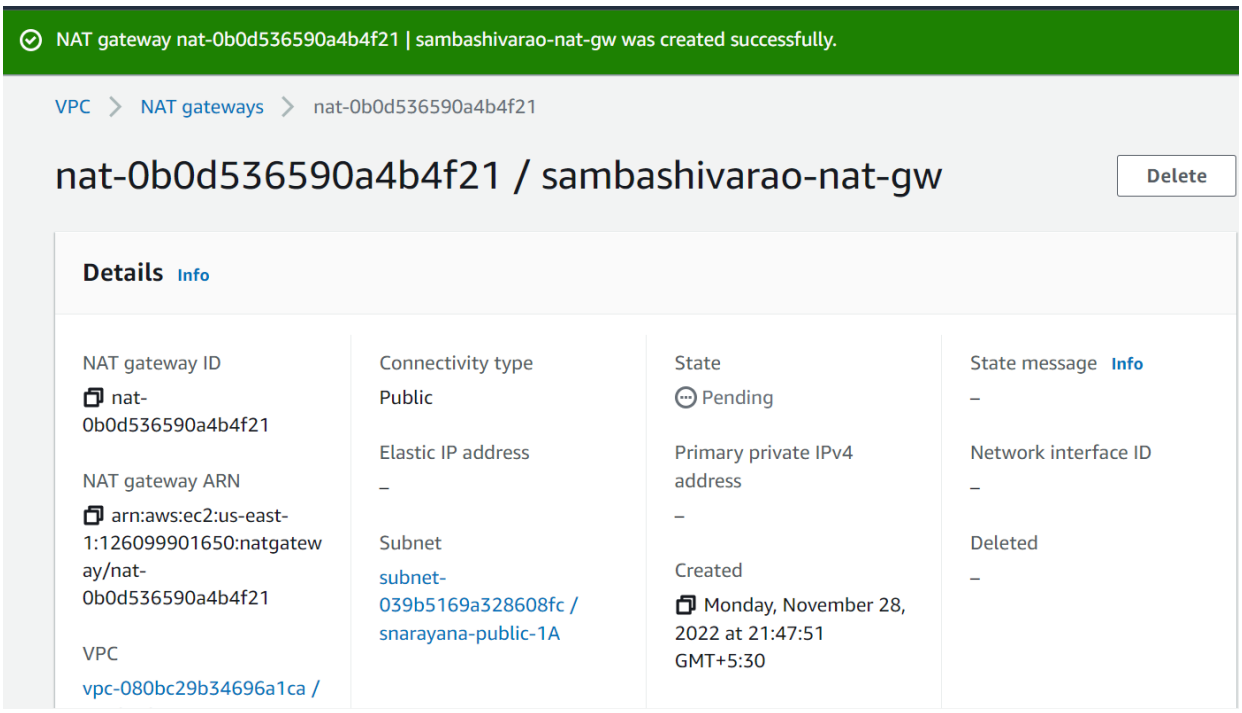
Create Internet Gate Way:



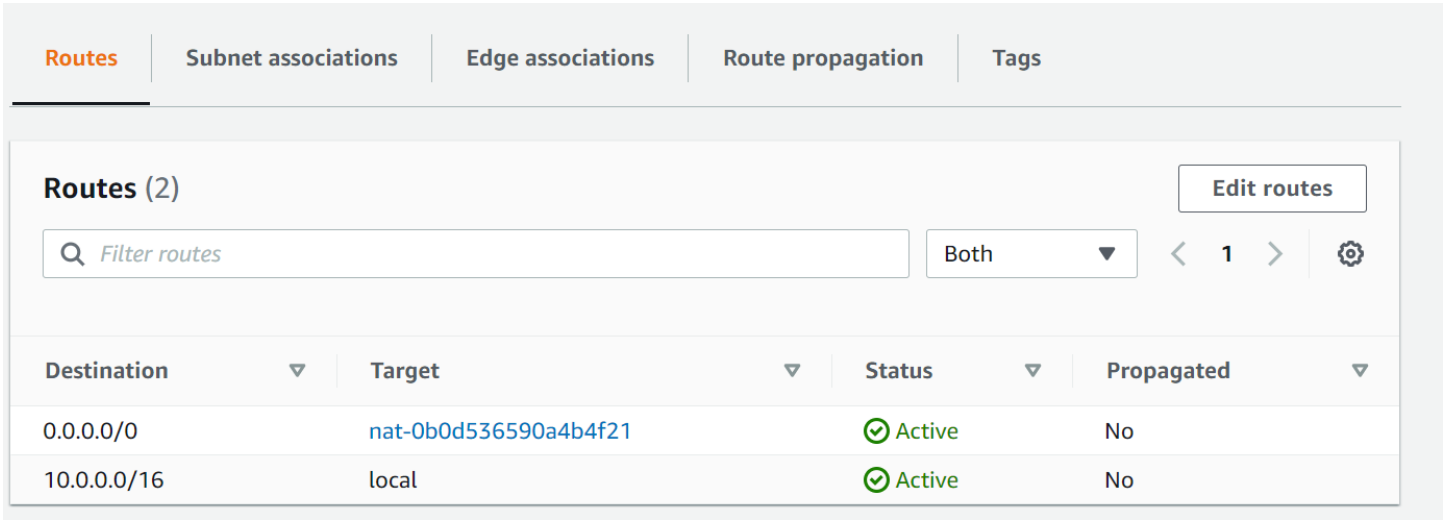
Attach Internet Gate way to Main Route table



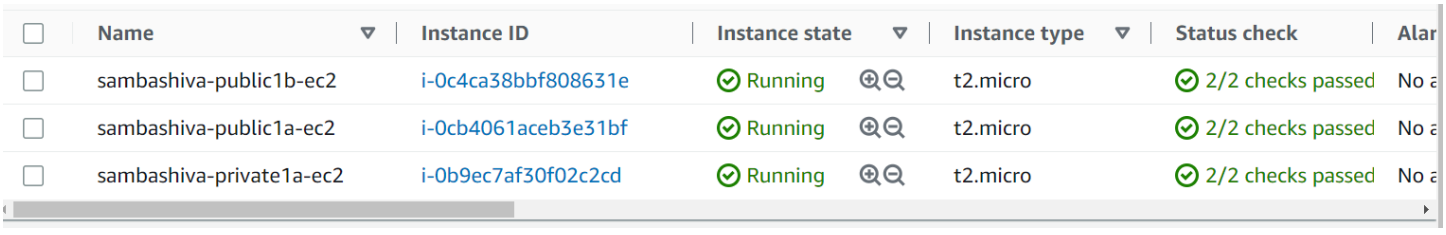
Create NAT Gate Way:



Assign private route table to NAT gate way:



Create EC2 instances with Public and private subnets



Browse Ec2 information: