

Overview :

1. You have an Nginx server running in one public instance and a mattermost server running in one of the private instances.
2. You are now going to create similar instances using custom images
3. You need to configure 2 subnets for the two instances in a different availability zone
4. You will have db server as common for 1 & 2 server setup

1. Create a new subnet for the public instance that we are going to launch from the image

(Note : Select a different availability zone example the subnet you have created for 1st public instance has 1a, this subnet should be 1b)

A:

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 256 characters long.

Availability Zone [Info](#)
Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 VPC CIDR block [Info](#)
Choose the IPv4 VPC CIDR block to create a subnet in.

IPv4 subnet CIDR block
 256 IPs
< > ^ v

▼ Tags - optional
Key: Value: optional

2. Associate this subnet to the existing Route table that you have created for public instance

A:

Route tables (4) [Info](#) [Refresh](#) [Actions](#) [Create route table](#)

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associati...	Edge associations	M
<input type="checkbox"/>	private_rt	rtb-01faedeeec6dac76	2 subnets	–	Nc
<input type="checkbox"/>	–	rtb-0867f6cf2c48bd0e4	–	–	Ye
<input type="checkbox"/>	–	rtb-040114191b50c789c	–	–	Ye
<input type="checkbox"/>	public_rt	rtb-0421bd628a2d39c51	2 subnets	–	Nc

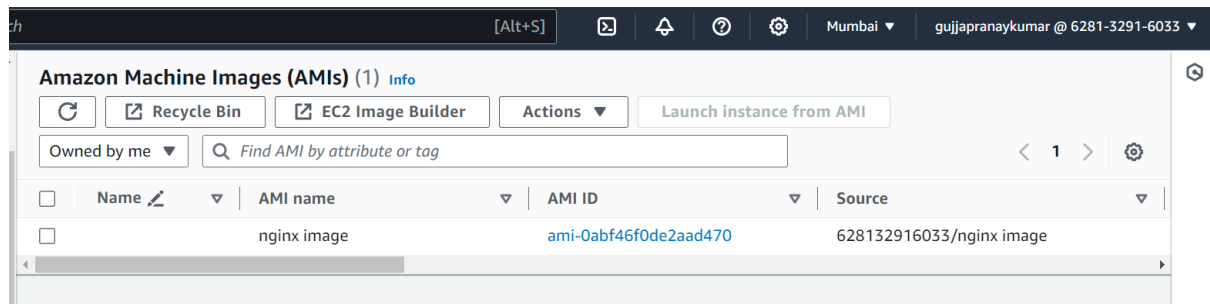
Select a route table

3.Navigate to the ec2 instance page, select the public instance that you have created previously, navigate to actions -> click on images and templates ->click on create image

4.Provide the image name , image description and add tag Name and Value leave all other options default and then click on create image

5.Navigate to images->AMI's you will have your ami that is created

A:



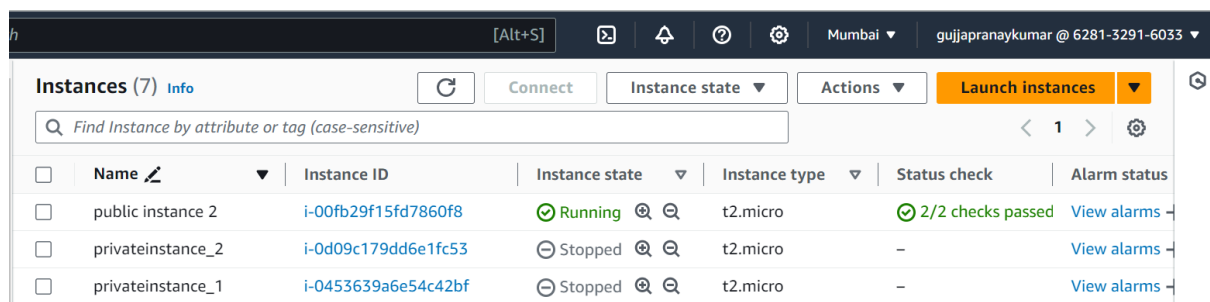
6.Now create a new instance from this image, navigate to instance -> Launch instance

7.Now click on My AMI's and select the AMI which you have created

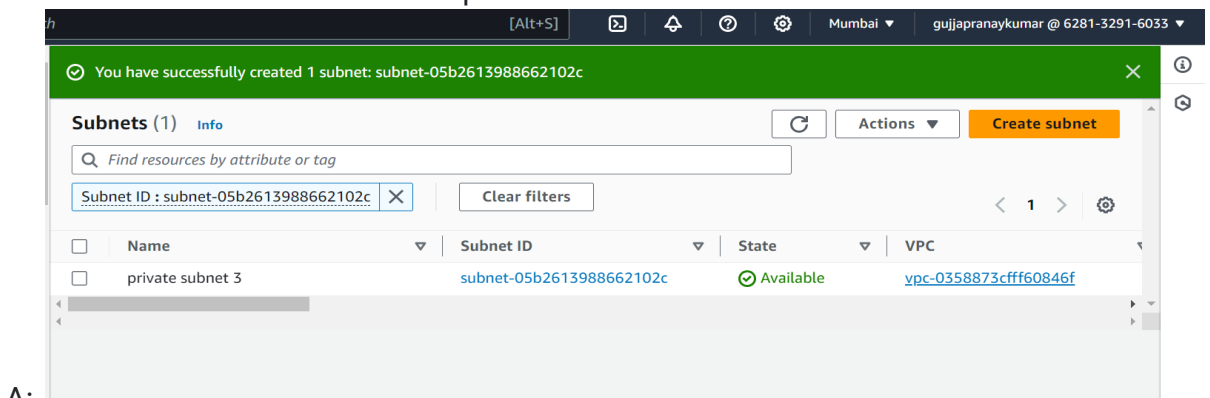
8.Follow the steps as you did for creating a public instance but make sure you have selected the new subnet that you have created for this instance . Make sure you have configured inbound rules correctly in the security group

9.Your new public instance get created

A:



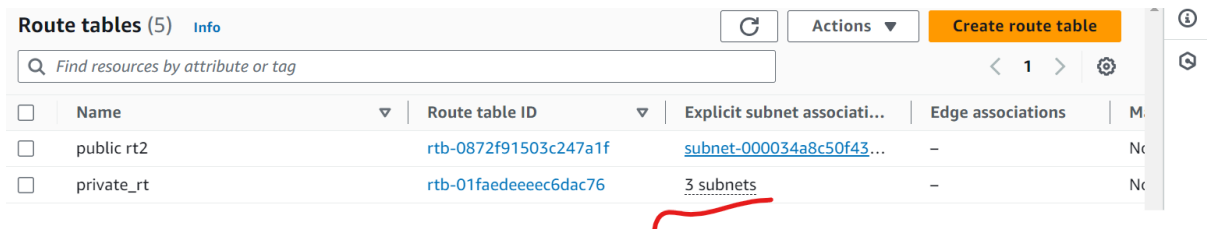
10. Create a subnet for the new private instance



A:

11. Associate the subnet to the routetable that you have created which does not have Internet Gateway

A:

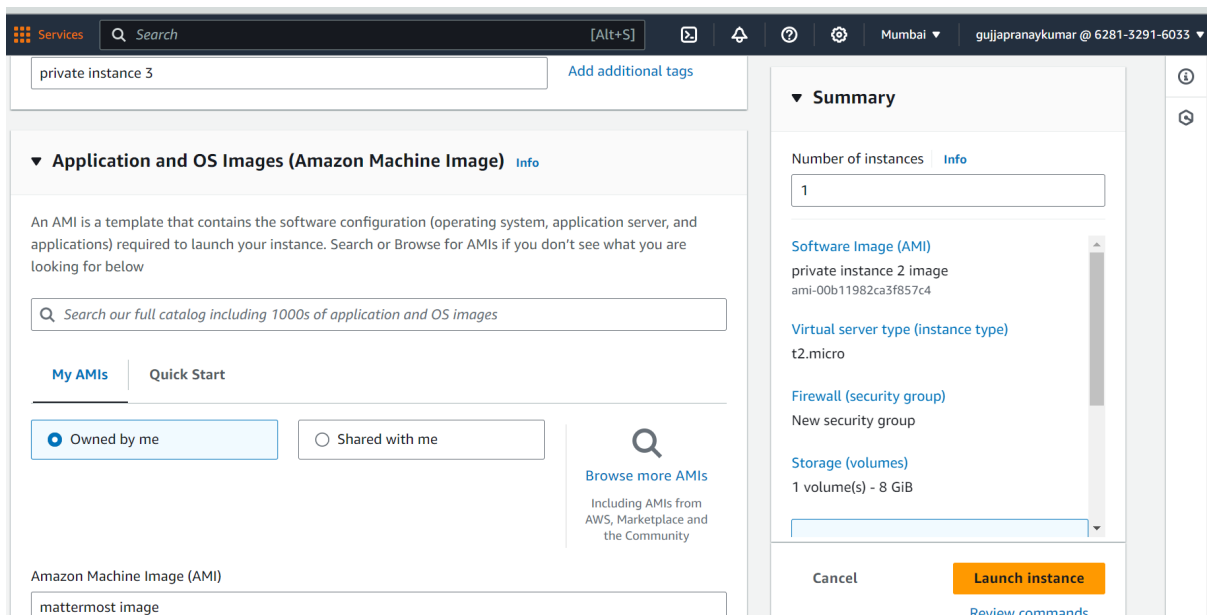


	Name	Route table ID	Explicit subnet associati...	Edge associations	M
<input type="checkbox"/>	public rt2	rtb-0872f91503c247a1f	subnet-000034a8c50f43...	-	Nc
<input type="checkbox"/>	private_rt	rtb-01faedeeec6dac76	3 subnets	-	Nc

12. Similarly create a new image from your private instance where your mattermost is running .Select the subnet that you have created. Make sure you have configured inbound rules correctly in the security group

13. Launch a new instance from the AMI that you have created

A:



private instance 3 [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

[My AMIs](#) [Quick Start](#)

☒ Owned by me ☐ Shared with me

[Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

▼ Summary

Number of instances [Info](#)

Software Image (AMI)
private instance 2 image
ami-00b11982ca3f857c4

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

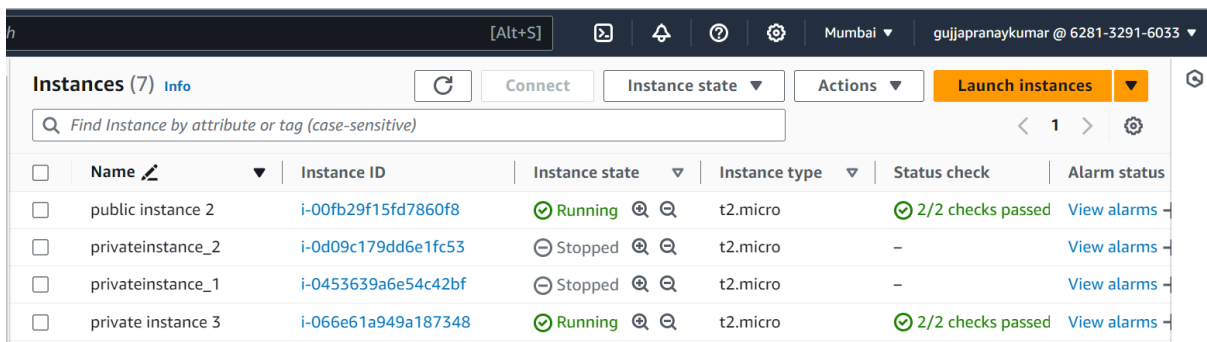
Storage (volumes)
1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#) [Review commands](#)

14. In the configurations make sure you have chosen the right subnet, Auto assign public ip should be disabled, choose the same availability zone that you have chosen for the above public instance. Security group to be configured as below

15. Instance should be launched successfully

A:



	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	public instance 2	i-00fb29f15fd7860f8	Running	t2.micro	2/2 checks passed	View alarms
<input type="checkbox"/>	privateinstance_2	i-0d09c179dd6e1fc53	Stopped	t2.micro	-	View alarms
<input type="checkbox"/>	privateinstance_1	i-0453639a6e54c42bf	Stopped	t2.micro	-	View alarms
<input type="checkbox"/>	private instance 3	i-066e61a949a187348	Running	t2.micro	2/2 checks passed	View alarms