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Amazon RDS \xe2\x80\x93 Rebooting a DB Instance

- Difficulty Level :\nMedium
- Last Updated :\n01 May, 2021

This article is a step by step guide for **Rebooting a DB Instance.** But before learning the process of rebooting an instance, we need to know about DB Instances and how to create one on AWS.

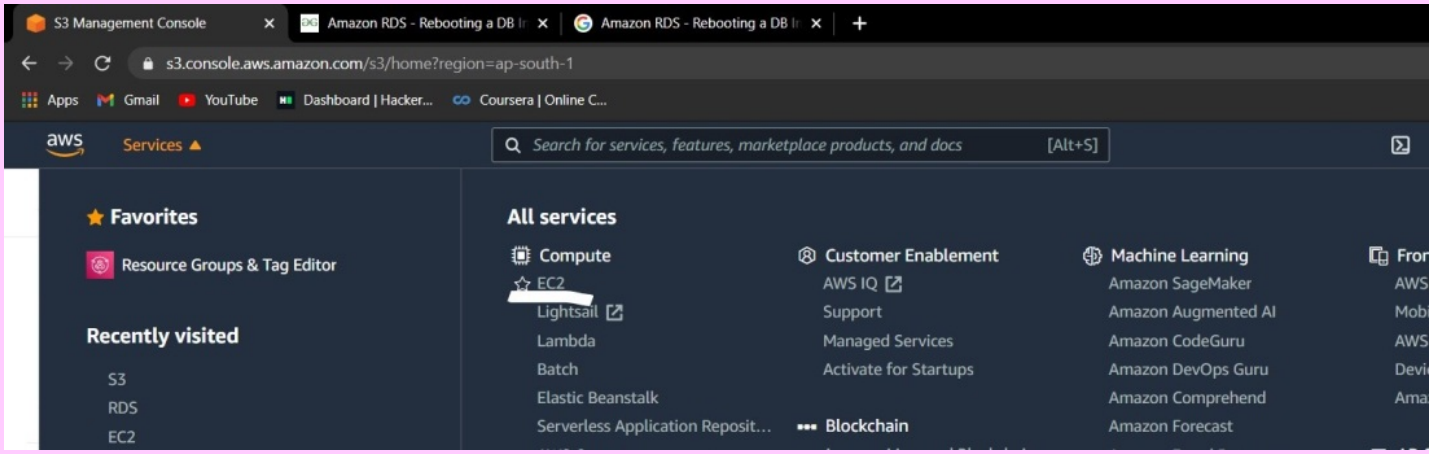
DB Instance or Database Instance

DB Instance is an obscure database dominion running on a cloud platform, here that platform is AWS. It is a cellular block of Amazon RDS, it can also can contain databases which are created by multiple users, and can be retrieved using the same tools, features and applications you usually use while accessing a standalone database instance. It is one of the simplest services present on the AWS cloud platform.

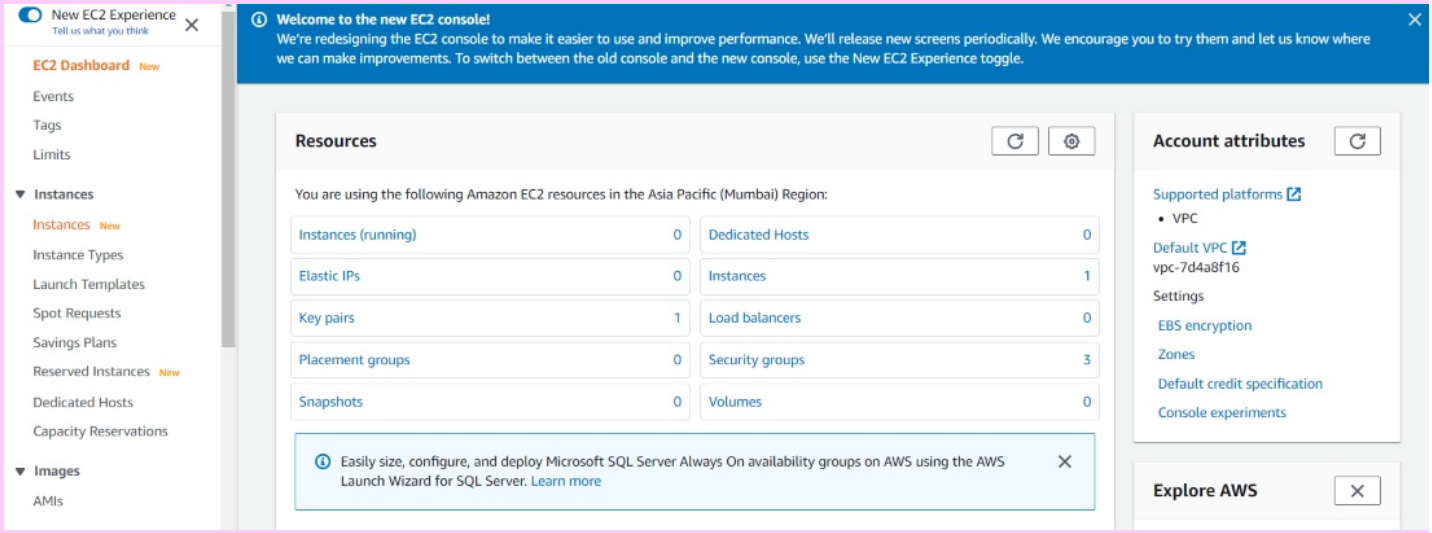
Note: DB Instances are region specific, i.e. if you wish to create an instance in a different region other than your default region. Then you must switch to your desired region first. And then proceed with the process of creating an instance.

Let\xe2\x80\x99s start with the process of creating an instance followed by rebooting it.

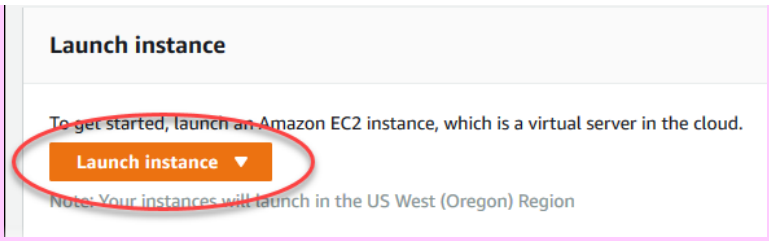
Step 1: Login to your aws account and click on **\xe2\x80\x9cservices\xe2\x80\x9d** present on the leftmost part of aws management console. And from the drop down menu tap on **\xe2\x80\x9cEC2\xe2\x80\x9d.**



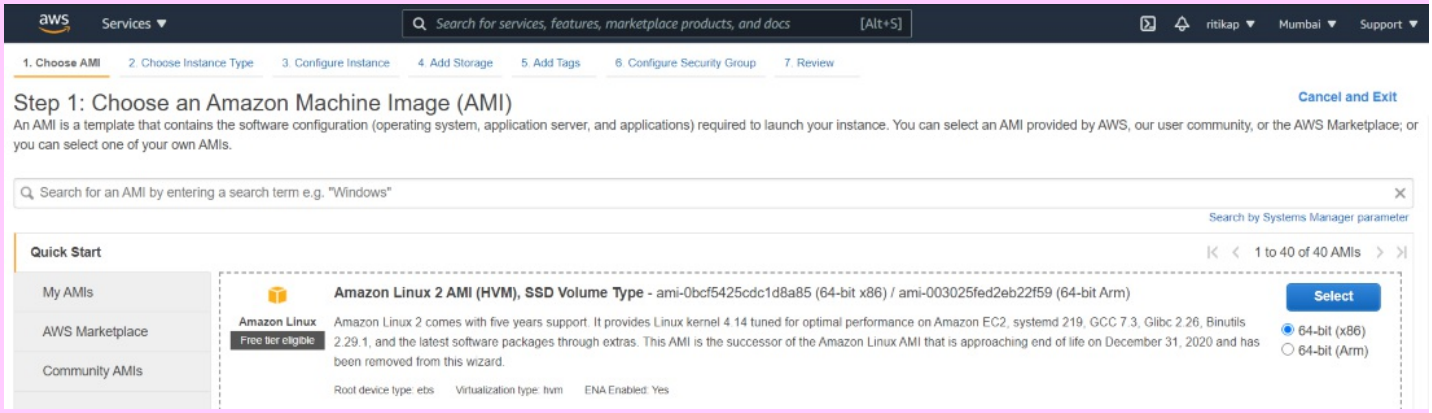
Step 2: EC2 console will be loaded on your screen. Once it is done, from the list of options on the left, click on **\xe2\x80\x9cInstances\xe2\x80\x9d.** \xc2\xa0Please refer to the image for better understanding.



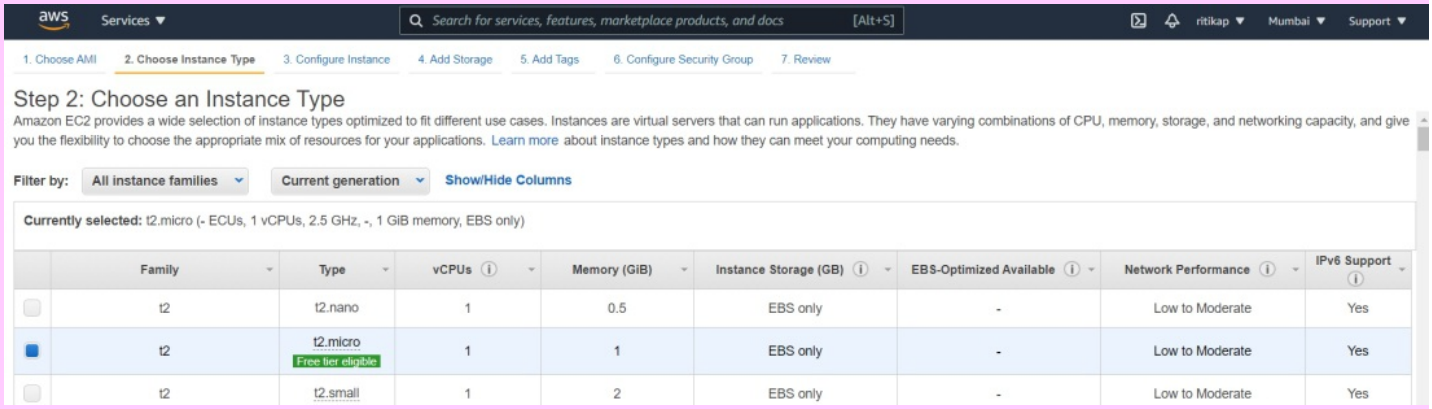
Step 3: A fresh screen will be loaded. On which at the right corner there will be an orange box named as **\xe2\x80\x9cLaunch Instance\xe2\x80\x9d.** Click on that.



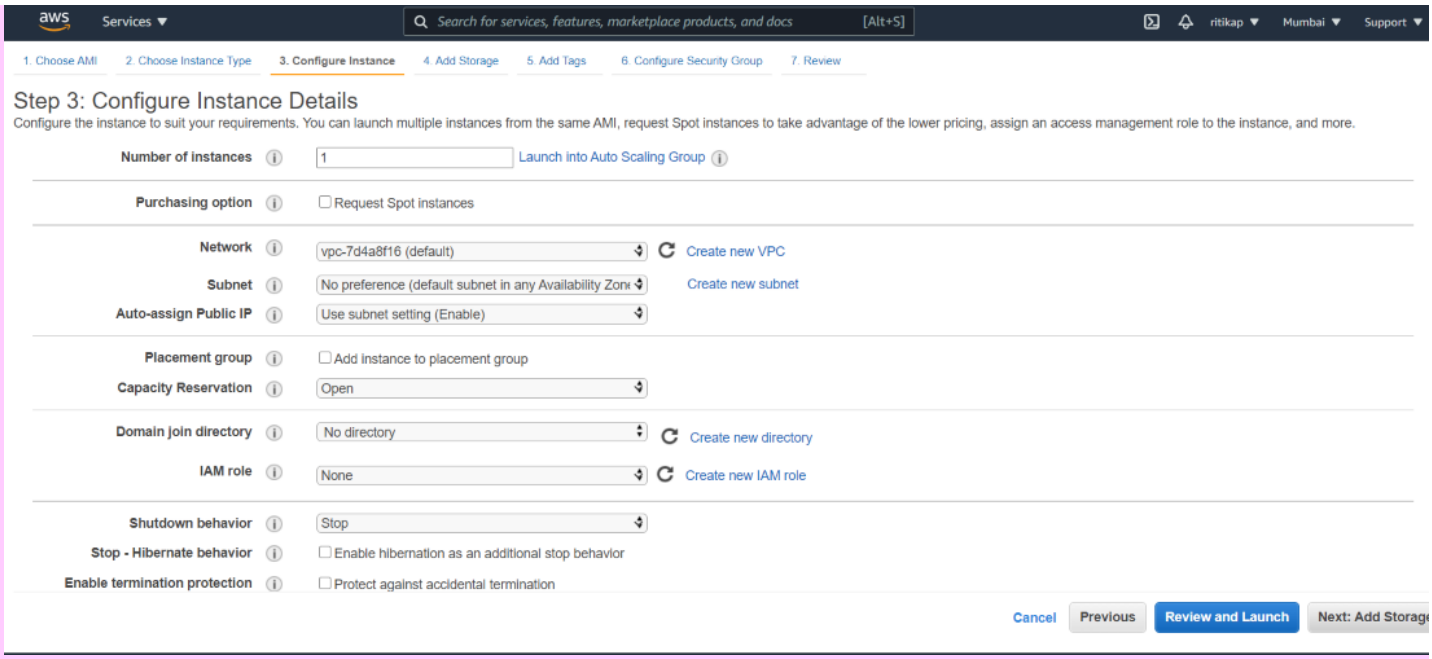
Step 4: The next screen will contain a bunch of options to choose your **AMI(Amazon Machine Image)** from. And horizontally, there is a 7-step procedure written to be followed for successfully launching an instance. I have chosen **\xe2\x80\x9cAmazon Linux 2 AMI\xe2\x80\x9d** as my AMI. And then Go ahead click **\xe2\x80\x9cNext\xe2\x80\x9d**. Refer to the image for resolving any confusions.



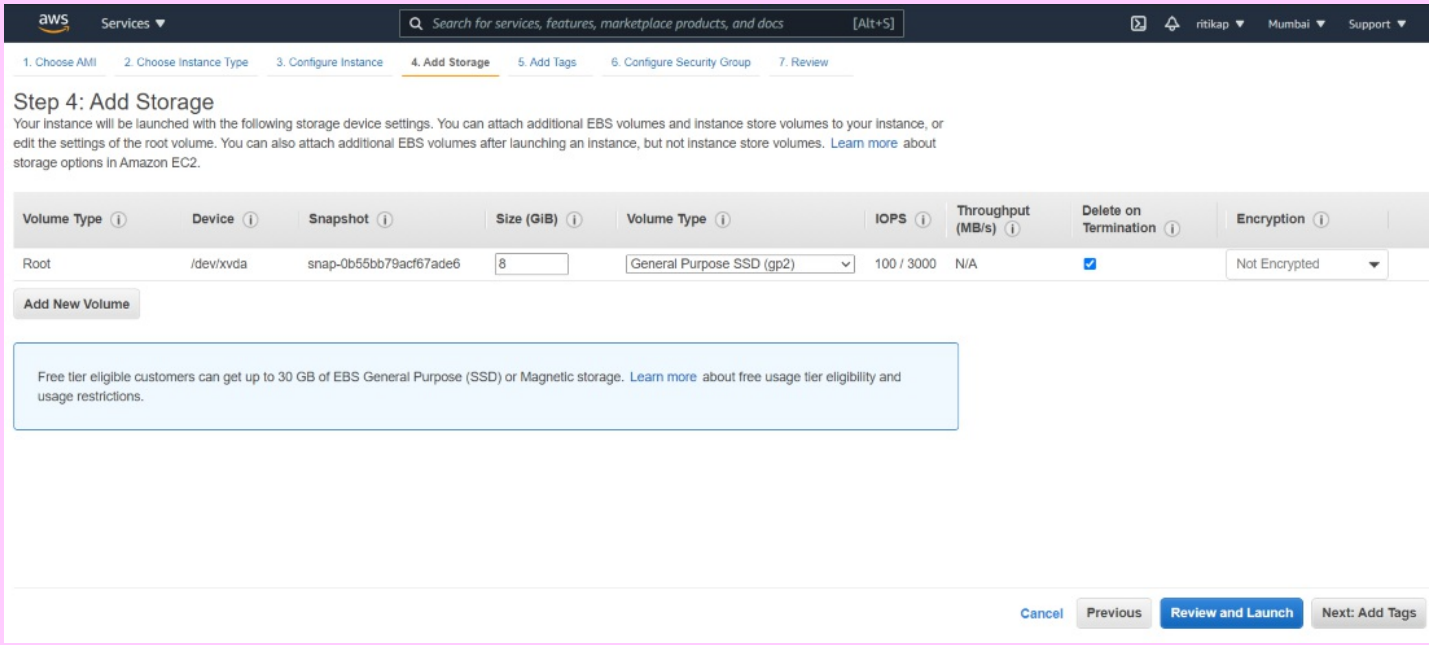
Step 5: Now comes the sub step 2 of creating the instance i.e. **\xe2\x80\x9cChoose Instance Type\xe2\x80\x9d.** I have chosen **\xe2\x80\x9ct2 micro\xe2\x80\x9d** as my instance type and then click **\xe2\x80\x9cNext\xe2\x80\x9d**. Refer to the image for better understanding.



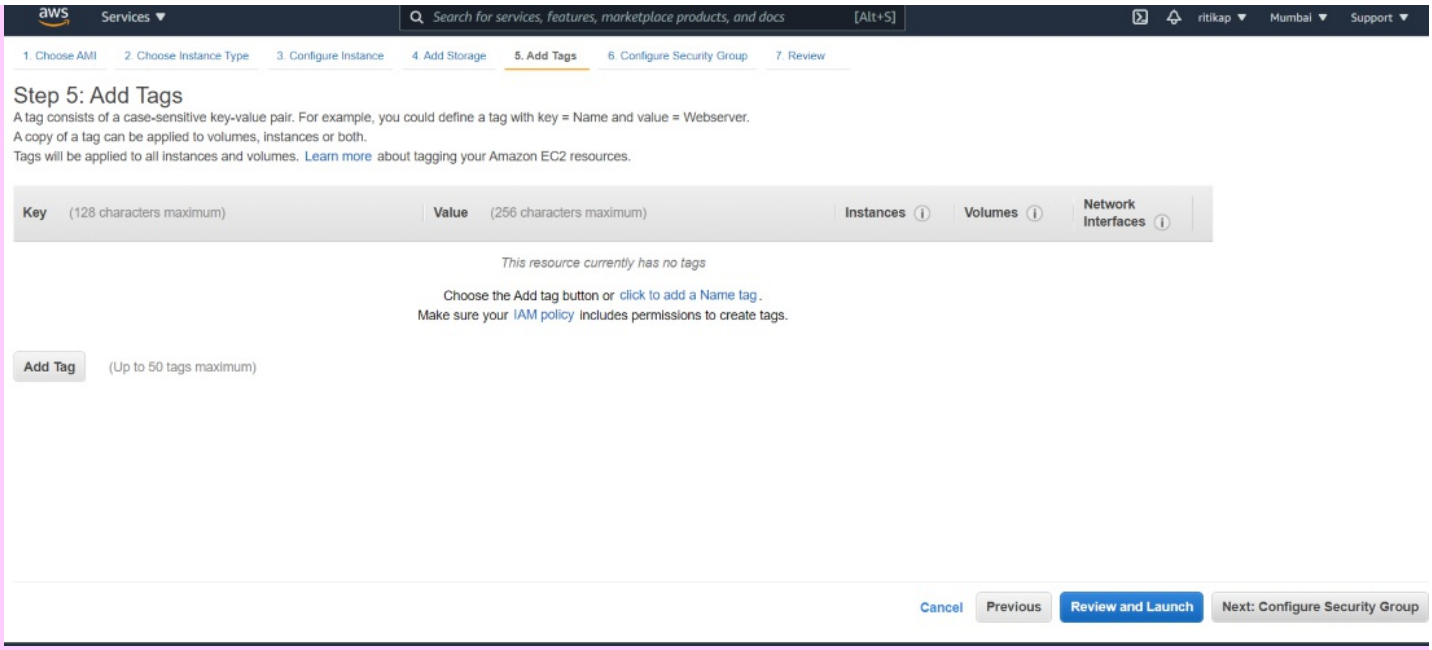
Step 6: Next comes the sub step 3 of \xc2\xa0creating the instance, i.e. **\xe2\x80\x9cConfigure Instance\xe2\x80\x9d**. Here we will confirm the configurations we need for our AMI. By default the configurations are filled, we just confirm them and click **\xe2\x80\x9cNext\xe2\x80\x9d** to proceed. Here\xe2\x80\x99s the image for better understanding.



Step 7: Next comes the sub step 4 of \xc2\xa0creating the instance, i.e. **\xe2\x80\x9cAdd Storage\xe2\x80\x9d.** Here we will look at the storage configurations and modify them as per our requirements. Then click **\xe2\x80\x9cNext\xe2\x80\x9d.** Here\xe2\x80\x99s the image to understand better.



Step 8: Next comes the sub step 5 of \xc2\xa0creating the instance, i.e. **\xe2\x80\x9cAdd Tags\xe2\x80\x9d.** Here we will just click \xe2\x80\x9cNext\xe2\x80\x9d and proceed. Here\xe2\x80\x99s the image.



Step 9: Now we will complete next two sub steps which are **\xe2\x80\x9cConfigure Security Group\xe2\x80\x9d** and **\xe2\x80\x9cReview\xe2\x80\x9d** together.

In Security Group, we have to give group name and description followed by ports to open and source.\xc2\xa0

In review, we will launch the instance and then a dialog box will appear to ask about **\xe2\x80\x9cKey Pair\xe2\x80\x9d**. We have two options to choose from, whether choosing an existing key pair or creating a new one and downloading it to launch.

Here are the images attached.

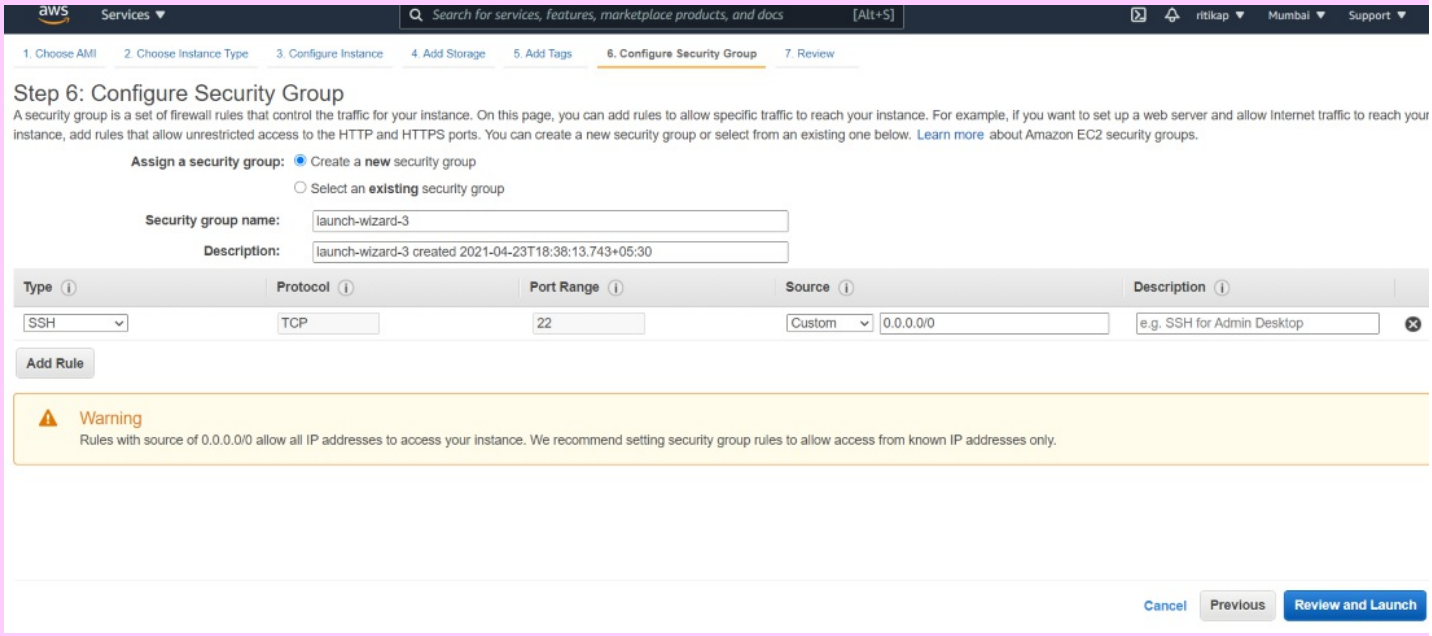


IMAGE OF SECURITY GROUP

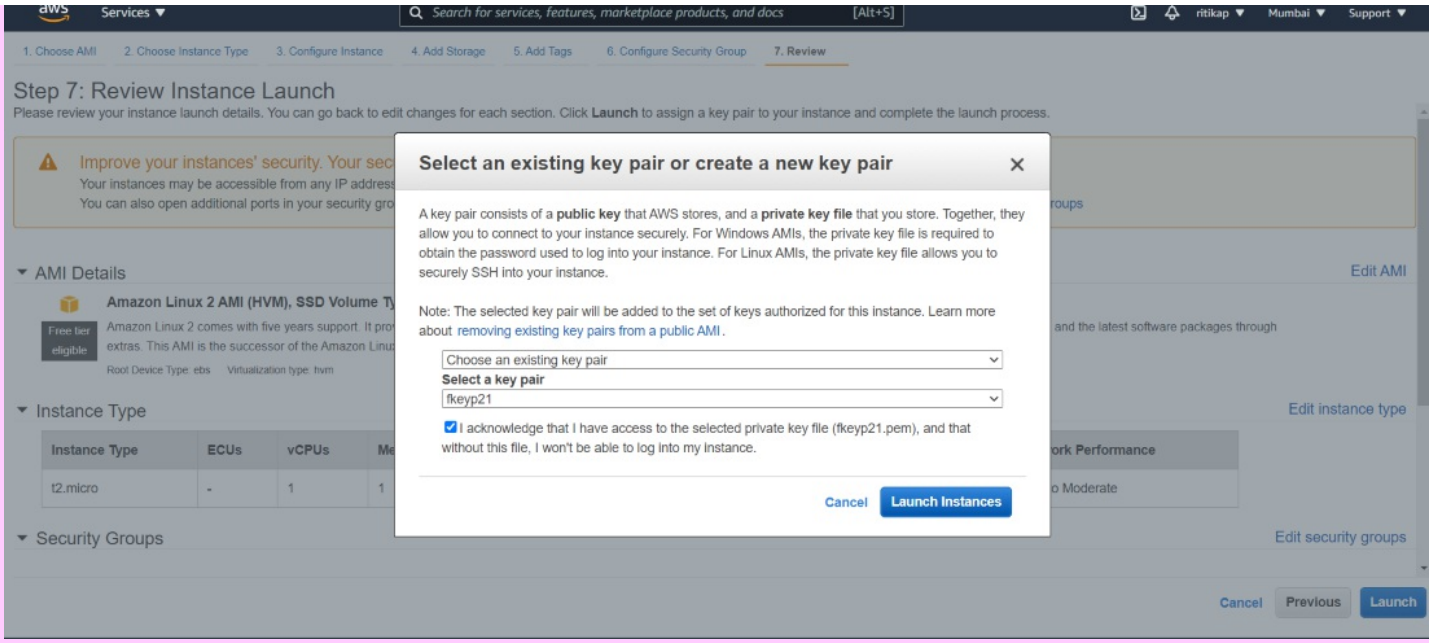
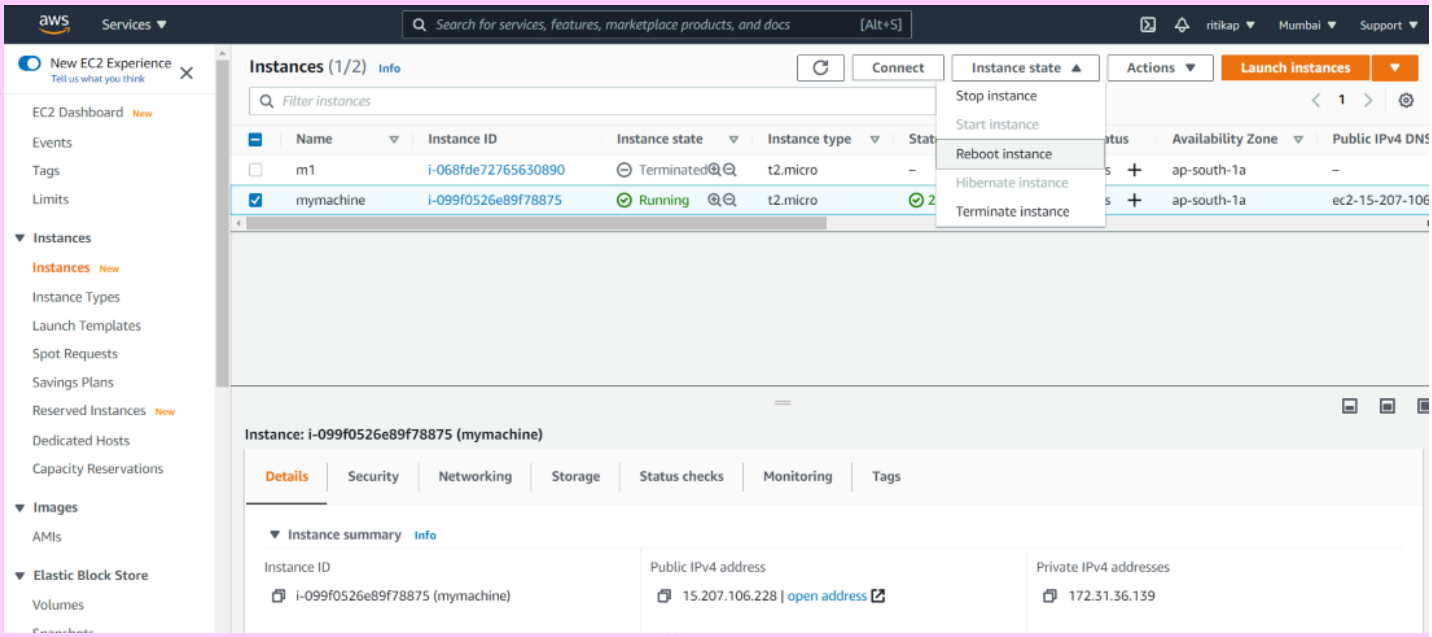


IMAGE OF REVIEW

Now, finally the instance has been created from our end. In a while the instance will be appearing on the instances page.

Let\xe2\x80\x99s **\xe2\x80\x9cReboot the instance\xe2\x80\x9d** we have created.

First select the instance you want to reboot. Then click on **\xe2\x80\x9cActions\xe2\x80\x9d** and select **\xe2\x80\x9cReboot\xe2\x80\x9d.** Image to understand more.



Again confirm that you are sure you want to reboot and wait.

After a while the instance state will change to **\xe2\x80\x9cReboot\xe2\x80\x9d** from **\xe2\x80\x9cRunning\xe2\x80\x9d**

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