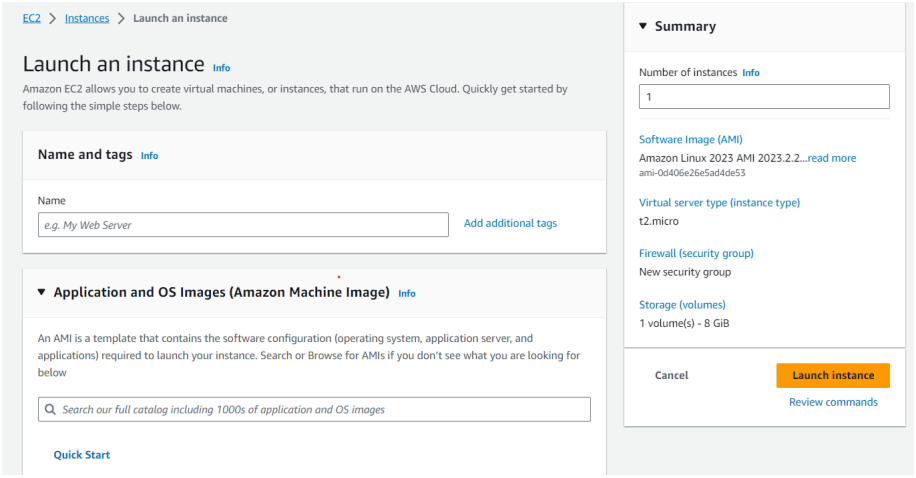
EC2 Creation

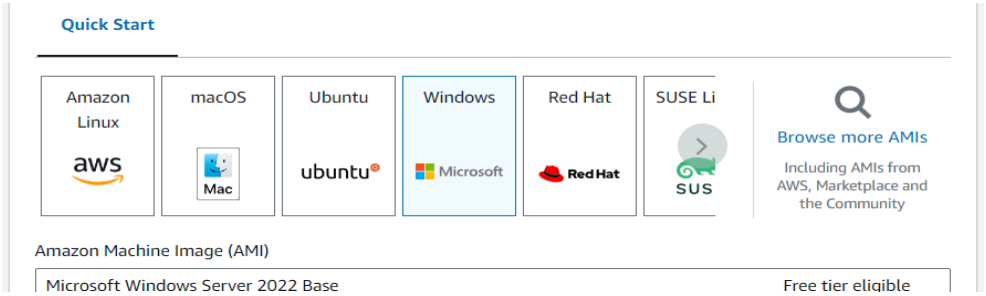
Elastic Cloud Compute, or EC2, is the core service for Compute in Amazon Web Services (AWS). An EC2 instance is effectively a virtual server that you "rent," meaning you only pay for what you use.

First step is navigate to EC2 in the console and launch instance



1. Choose AMI

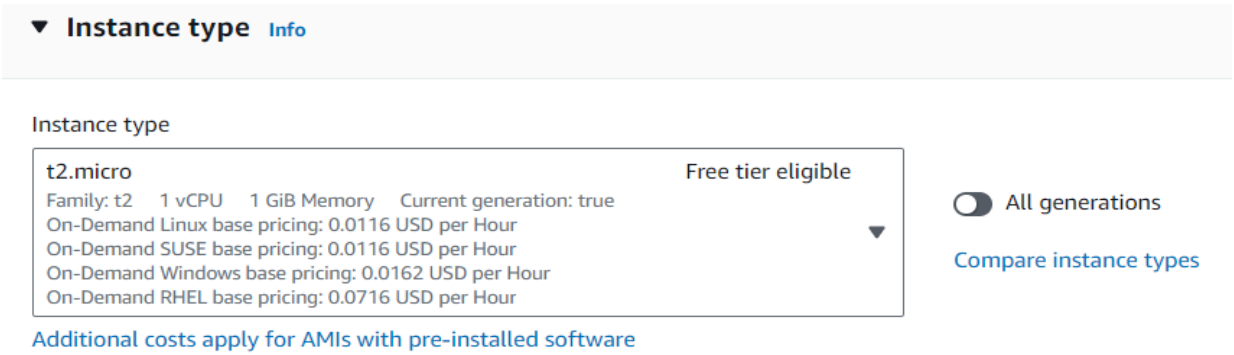
   As we are choosing the AMI you are free to go with any options available according to the OS that's been used. Since I am on windows I will be using that



2. Choose Instance

   Again while choosing the instance various options are depending on the requirement we will use it. Here I am using t2.micro as it's

   included in free tier. And you can also see the pricing for various other instances



3. Configure Instance

In the configure section we will create only 1 EC2 instance but you can create multiple EC2 instances if required. Also under

network settings go with default VPC . Again if you need a new one feel free to create.

We can go with default settings without changing anything until required. There is something called Shutdown-behavior under

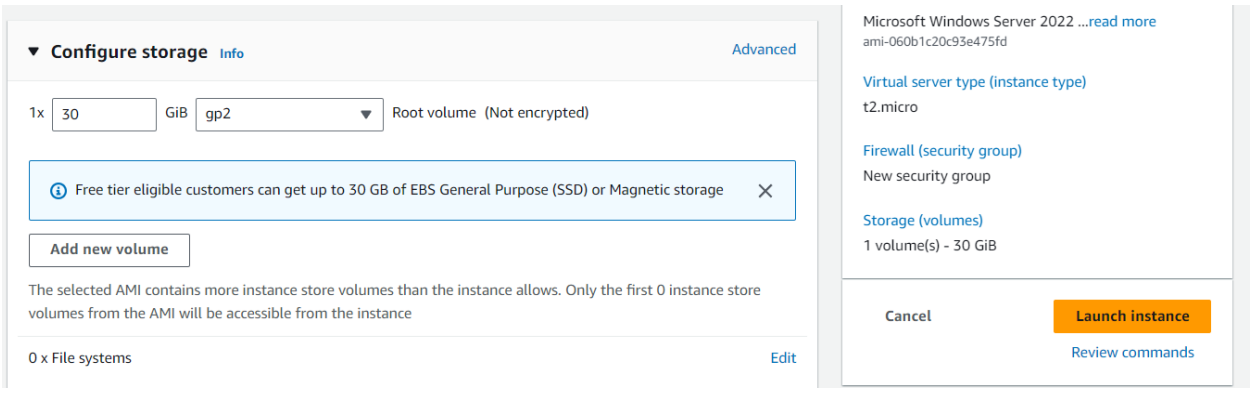
advanced settings make sure you have selected stop (It will be selected by default)

Stop - It will stop the instance when required without deleting the data in the instance

Terminate - It will shutdown the instance and the data in it will be deleted.

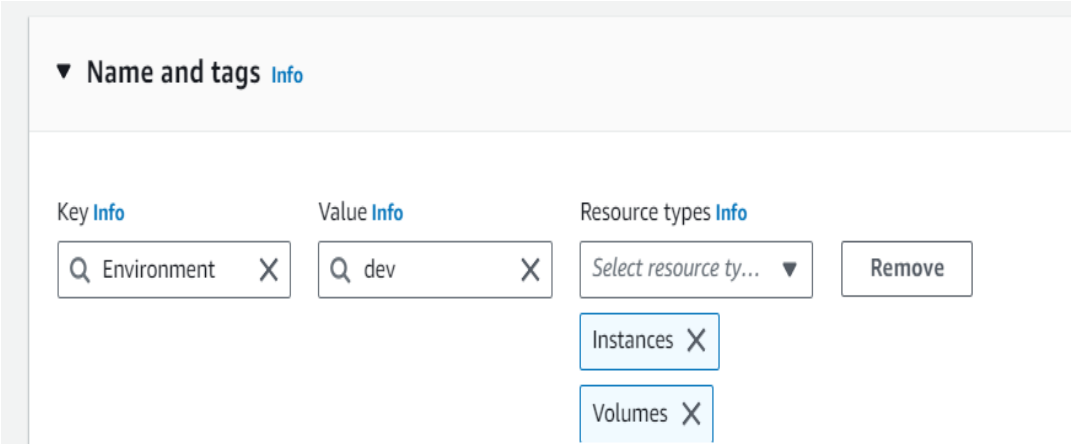
4. Add Storage

We can go with default volume or add up new volume . I will go with default which is 30 giB



5.Add Tags

We can add Tags which are key value pairs added to instances, volumes and network interfaces.

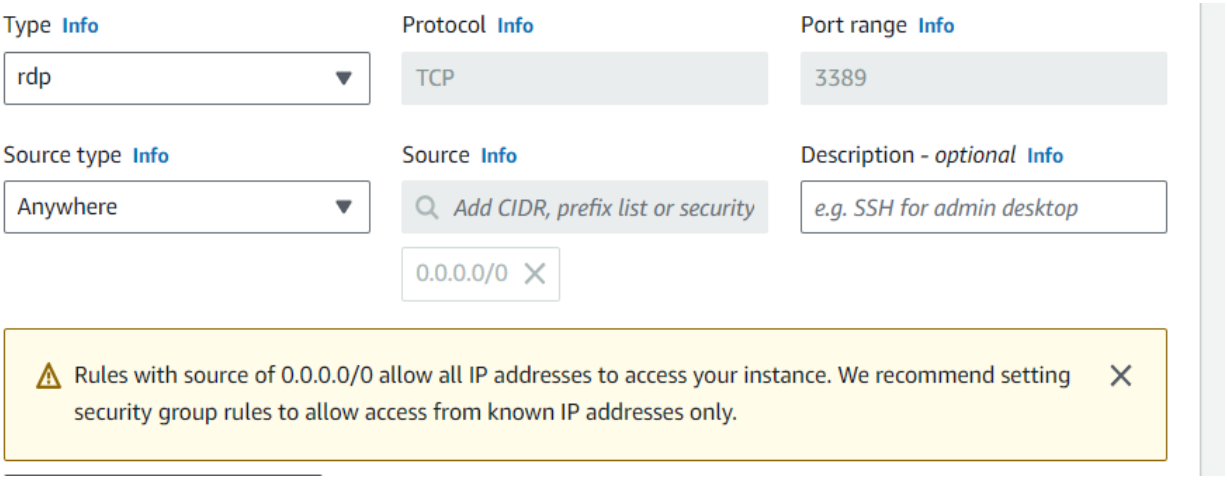


6.Configure Security Groups

They allow traffic to the instance

If you see the access is given to create an RDP session with a custom access as 0.0.0.0/0 which gives access to any IP address.

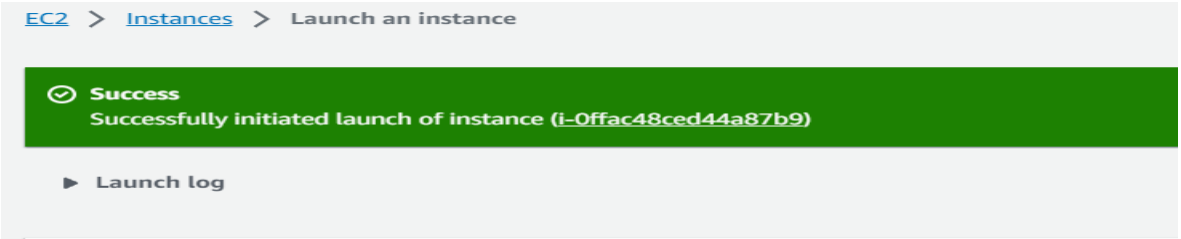
Hence it's not a best practice. Make sure to change it while working on it to the destined IP.



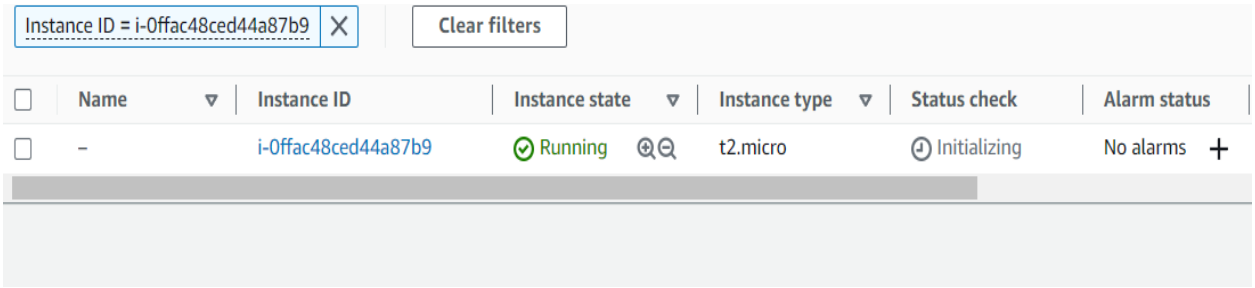
7. Key-pair

Go ahead and give the name as MyNewProject and launch. It would install the key-pair PEM file automatically for you

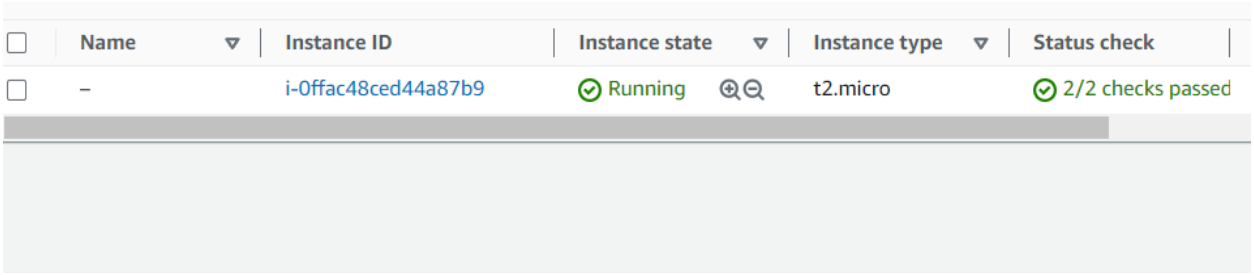
8. Before launching you can also review the instance and launch



9. Open the link given it will take to the instance dashboard.It would say initializing



10. Refresh the page after 2 secs and it would show 2/2 checks



11. Click on the instance and go to connect and connect using RDP client

12. Using the key- value pair we will decrypt the password to login to administrator.

Make sure you download the PEM file and

upload the file to get the decrypted password

13. Launch the RDP session with the Password.

14. Make sure you terminate the instance as it's not required any longer. It will say status as terminated and will drop-off