

Assignment 1

Aim : To make an EC2 machine on AWS.

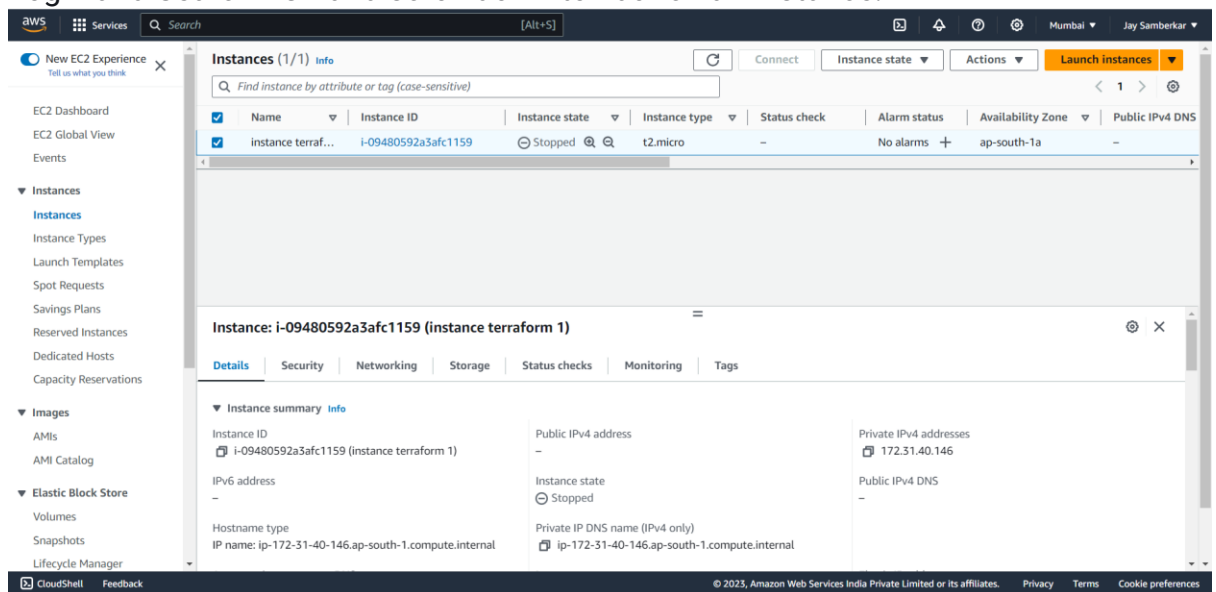
Theory :

Amazon Web Services is a widely used cloud computing platform provided by Amazon. AWS offers a vast array of cloud-based services, including computing power, storage solutions, networking, databases, machine learning, analytics, Internet of Things (IoT) and security.

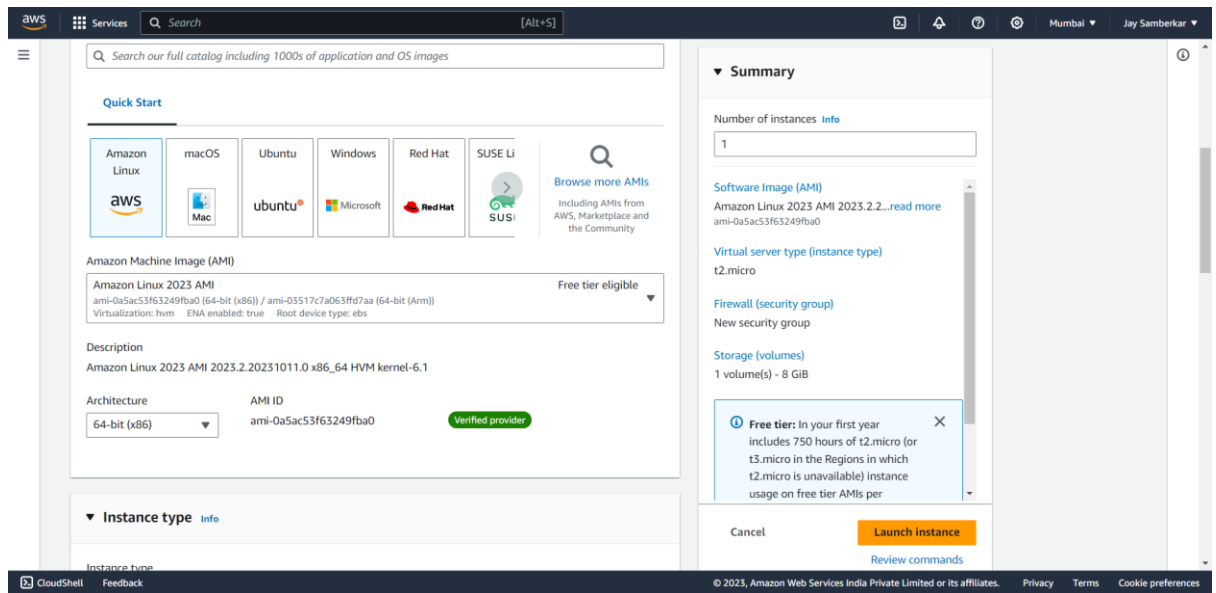
Amazon Elastic Compute Cloud (Amazon EC2) provides on-demand, scalable computing capacity in the AWS Cloud. Using Amazon EC2 reduces hardware costs so you can develop and deploy applications faster. We can use Amazon EC2 to launch virtual servers according to our needs. We can add capacity (scale up) to handle compute-heavy tasks or reduce capacity based on website traffic demands.

Steps :

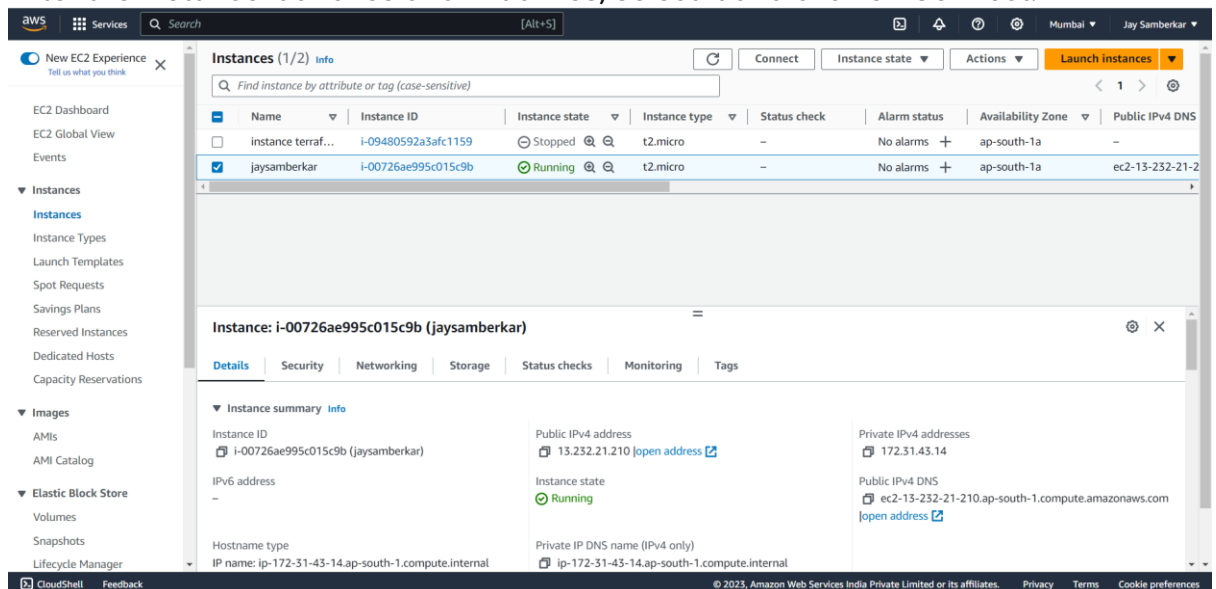
1. Login and Search EC2 and scroll down to Launch an Instance.



2. Click on launch instance and select the required machine and instance type (Free Tier Eligible) and then Launch the instance.



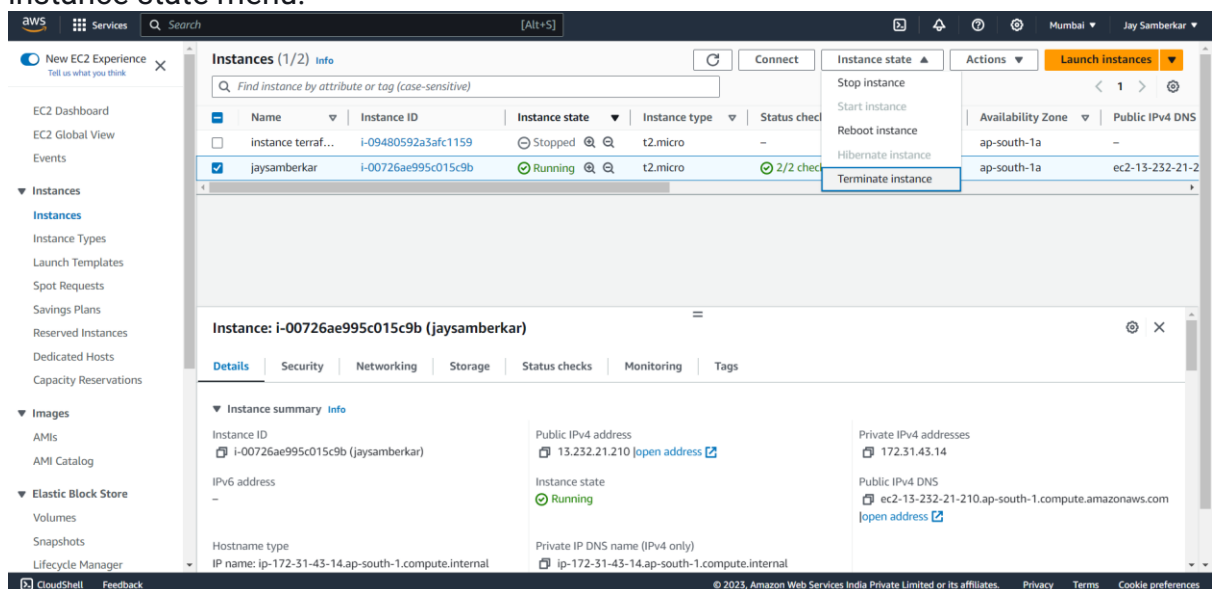
3. After the instance launches and initializes, select it and click on Connect.



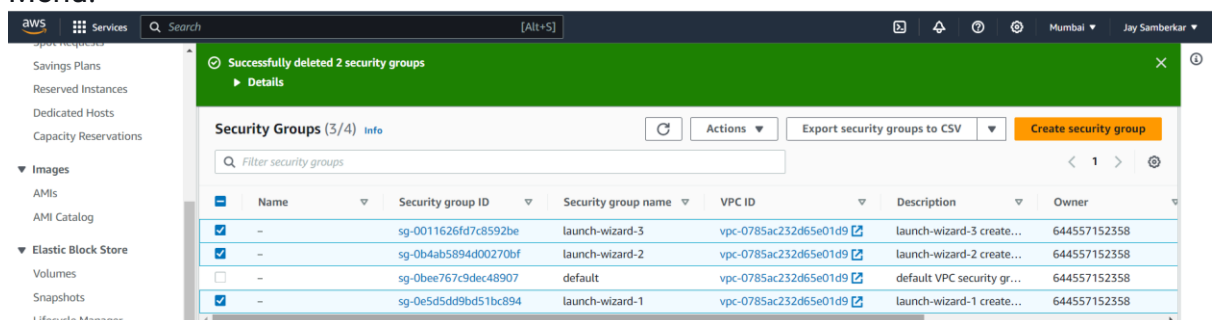
4. The machine will boot up to the console.



5. For shutting down the instance, go back and terminate the instance from the instance state menu.



6. Head to Security Groups and delete the non-default group from the Actions Menu.



Lab Outcome:

L01: To understand the fundamentals of cloud computing and be fully proficient with Cloud based DevOps solution deployment options to meet your business requirements.

Conclusion :

Hence learned and implemented the steps to create an EC2 Machine