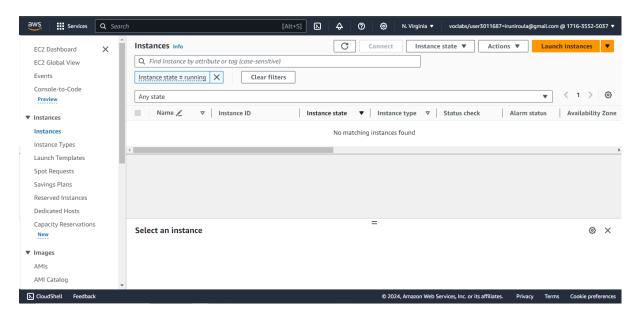
EC2 Basics Lab

Objective: To understand the process of setting up and managing an Amazon EC2 instance.

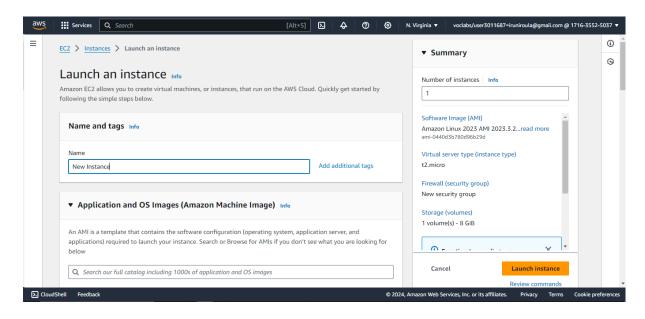
Approach: Students will start by launching a new EC2 instance, selecting an appropriate instance type and configuring the instance details. They will then create and configure a new Security Group, and allocate an Elastic IP address to the instance. The lab will also include connecting to the instance via SSH.

Goal: By the end of this lab, students should be able to launch and manage an EC2 instance, and understand instance types, security groups, and IP addressing in AWS.

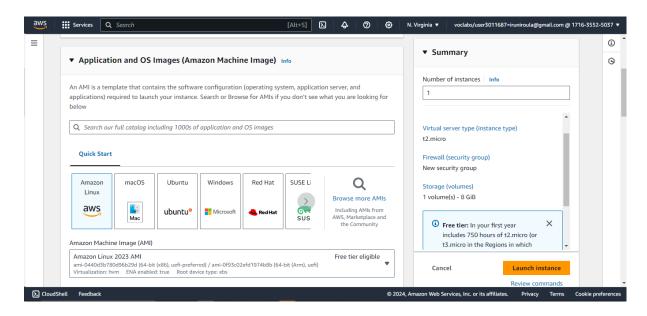
Step 1: Launching an EC2 Instance



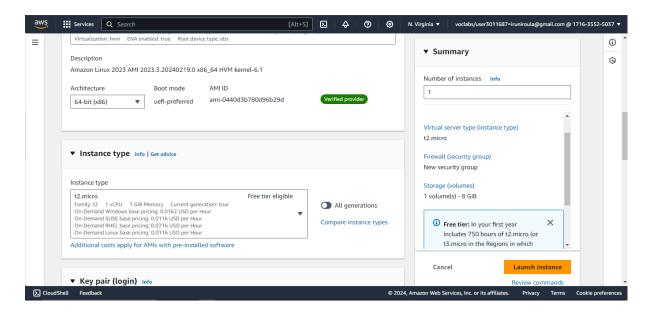
Step 2: Naming the EC2 Instance (can be a name of our choice)



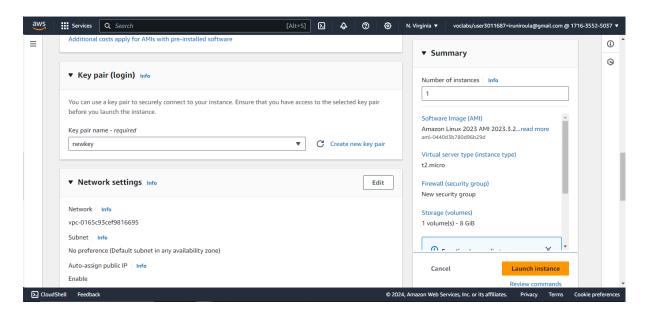
Step 3: Selecting Required AMI



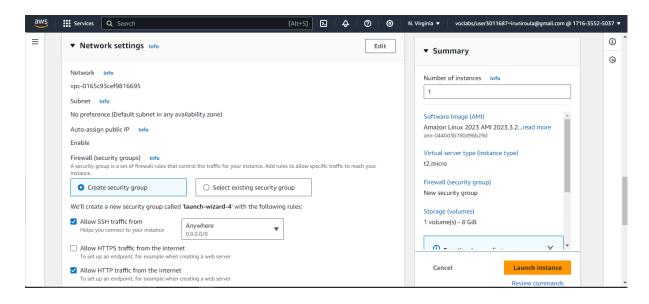
Step 4: Selecting Instance Type (Here t2.micro is selected)



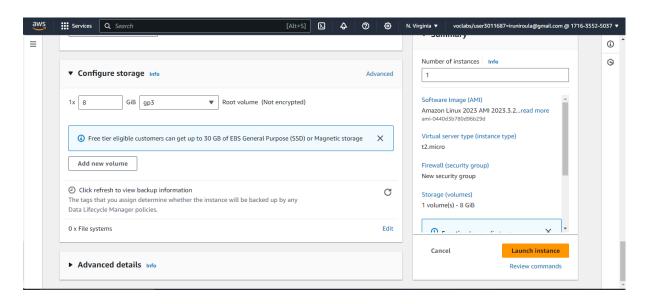
Step 5: Creating new key pair (newkey)



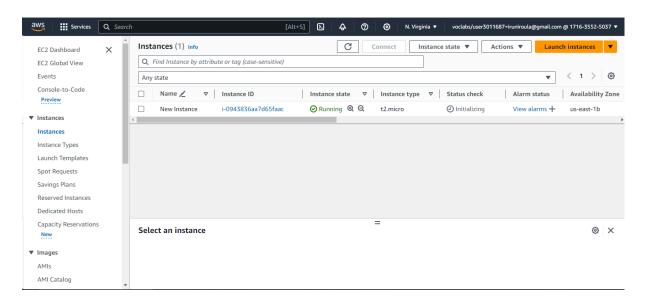
Step 6: Creating a Security Group



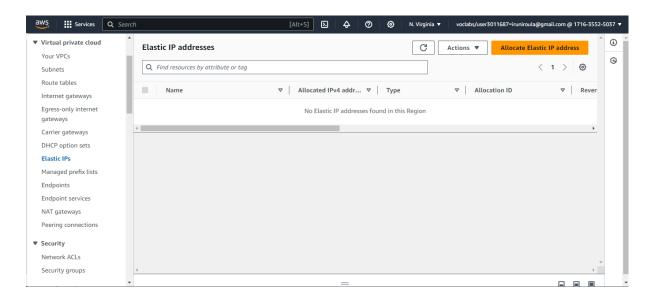
Step 7: Launching the instance



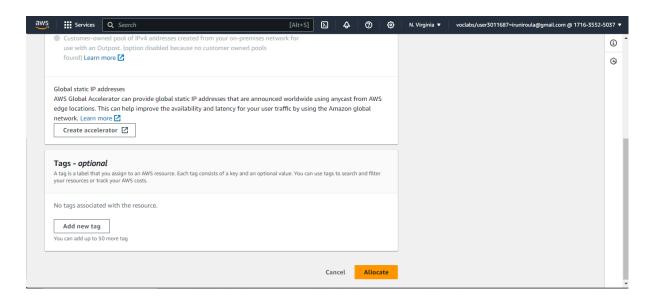
Step 8: Instance is now Running



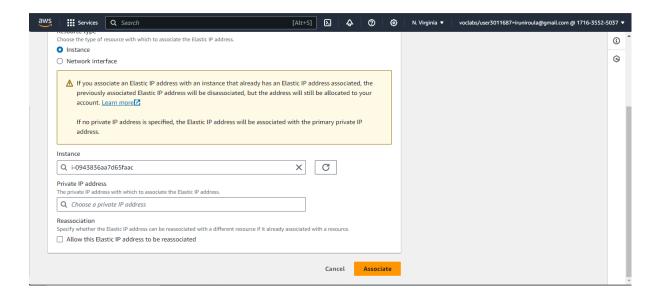
Step 9: Allocating Elastic IP to the instance



Step 10: Setting everything to default and allocating



Step 11: Associating Elastic IP to EC2 Instance



Step 12: Connecting Instance via SSH

