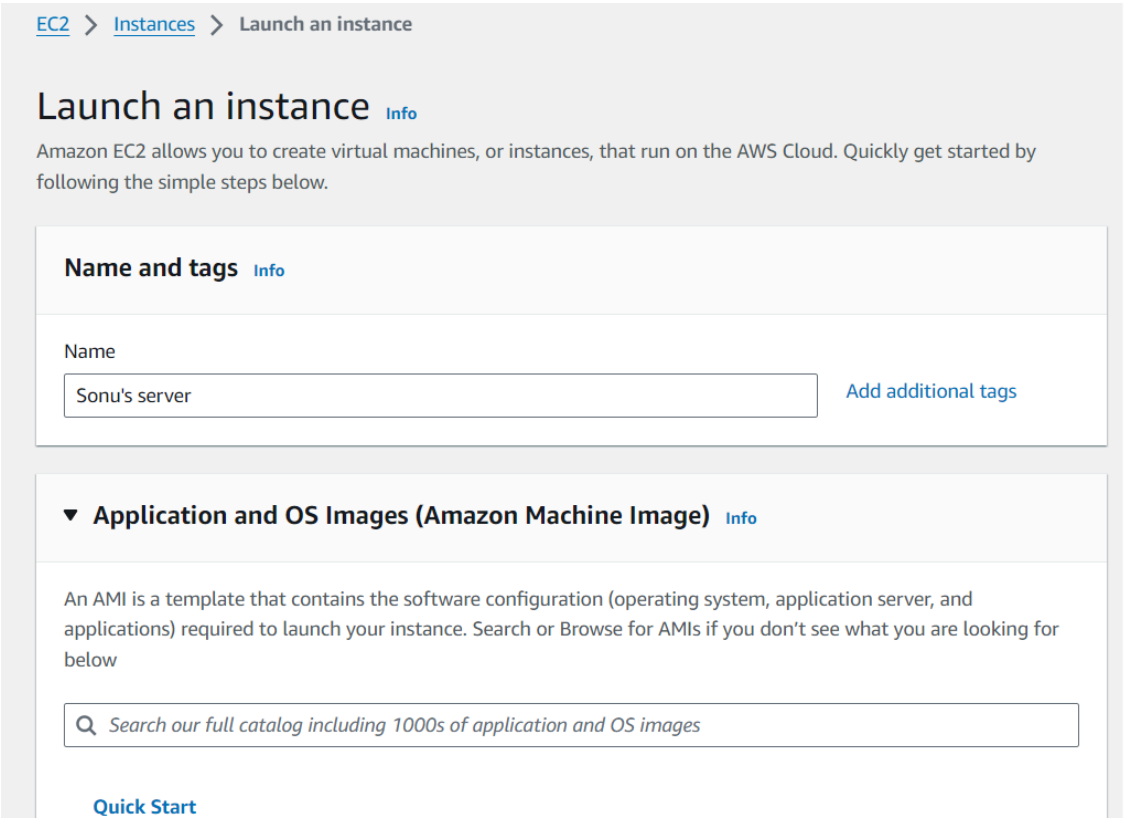
Lab 1 bootcamp - Sonu Subedi

1. **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, understand instance types, security groups, and IP addressing in AWS.

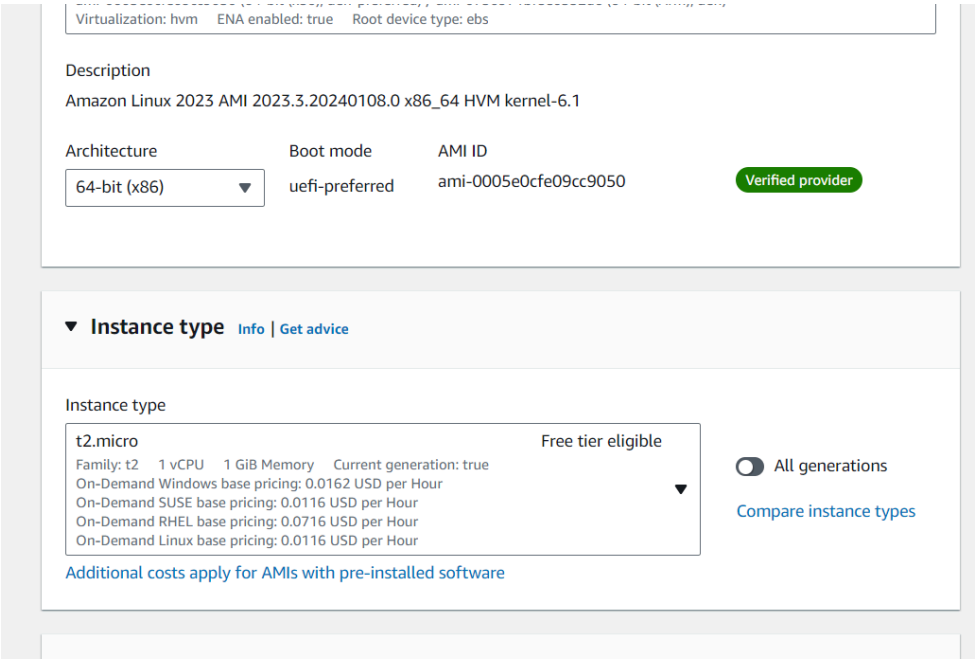
Steps involved:

Step 1:

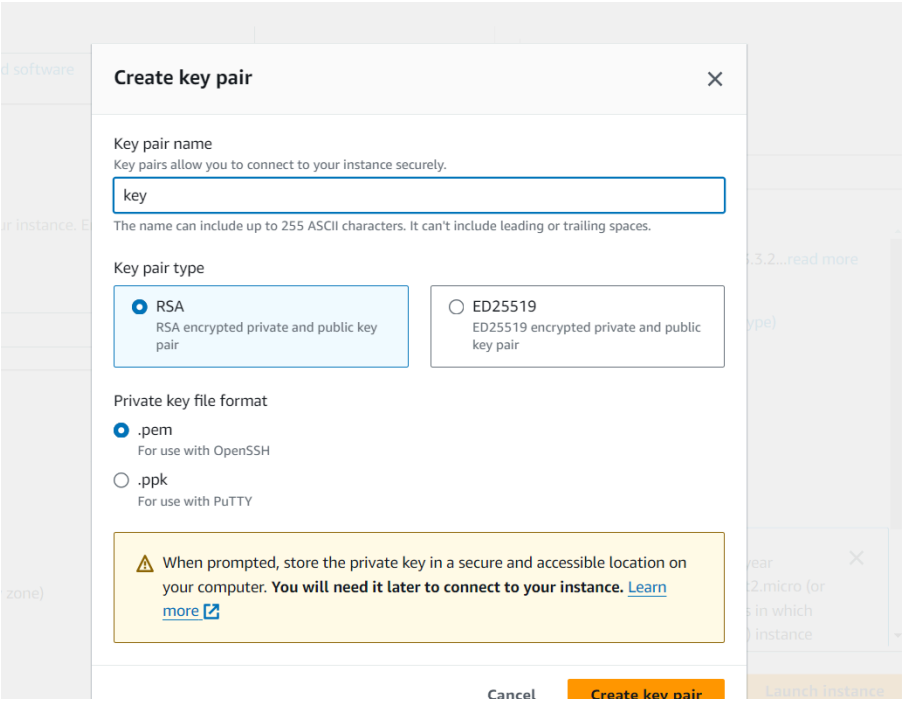
1) Search EC2 > Instances then launch an instance. Give the name of instance



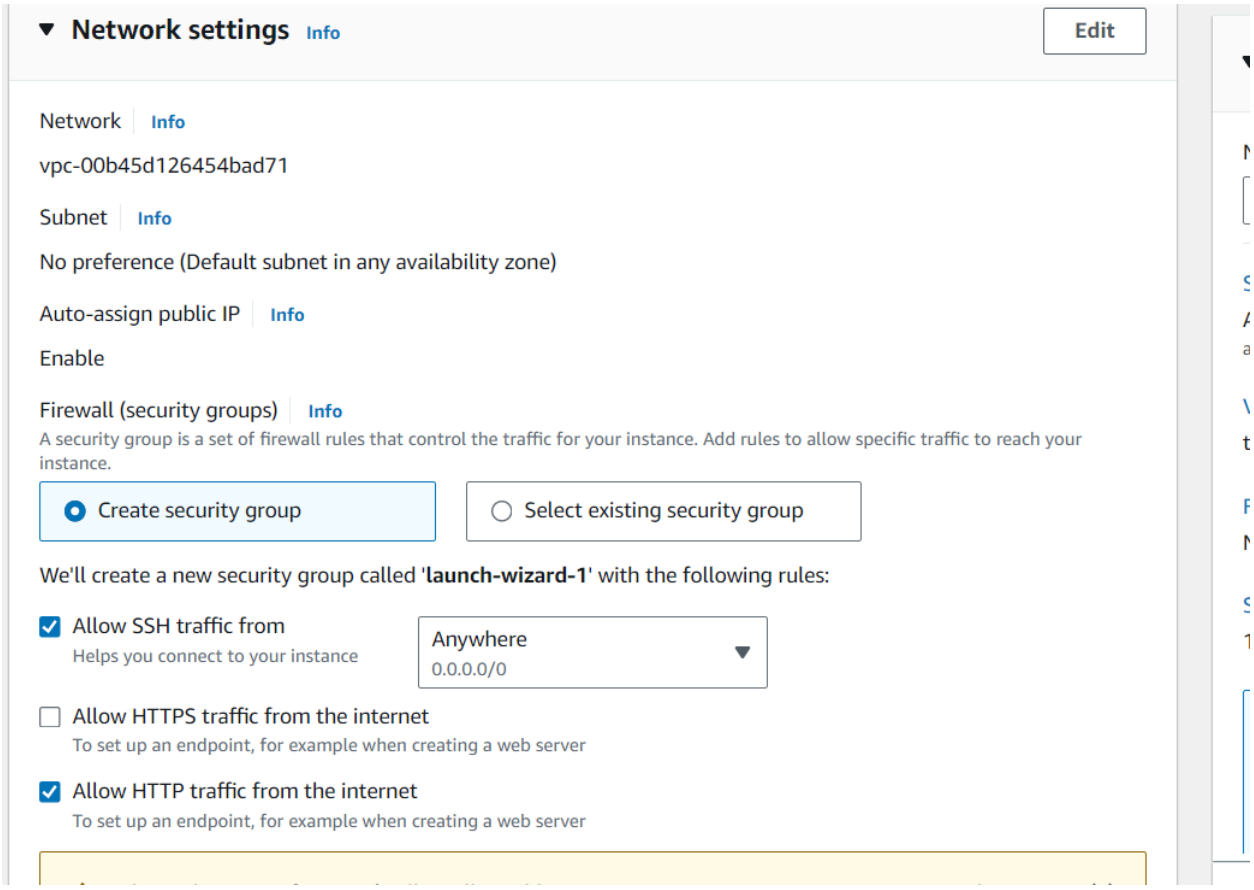
2) Configure the instance details.Select instance type as t2.micro



3) Create a new key pair

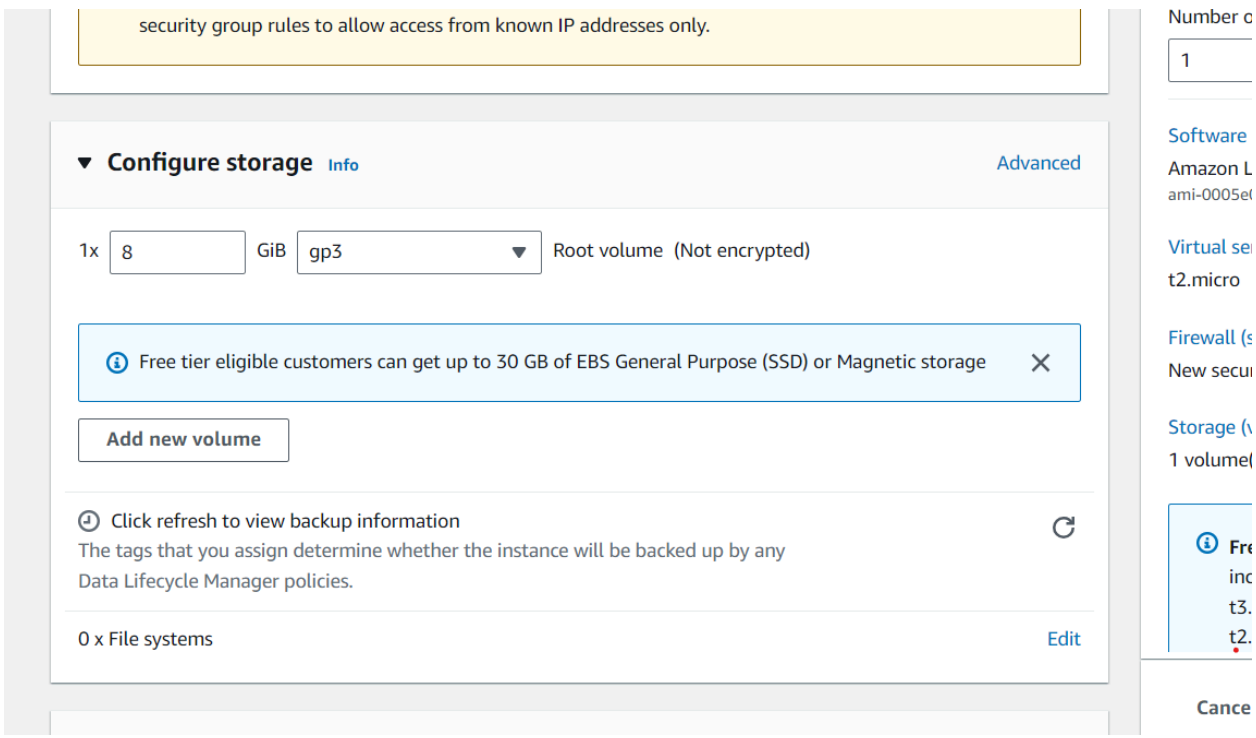


4) Create and configure a new Security Group. Tick on allow HTTP traffic and SSH traffic.

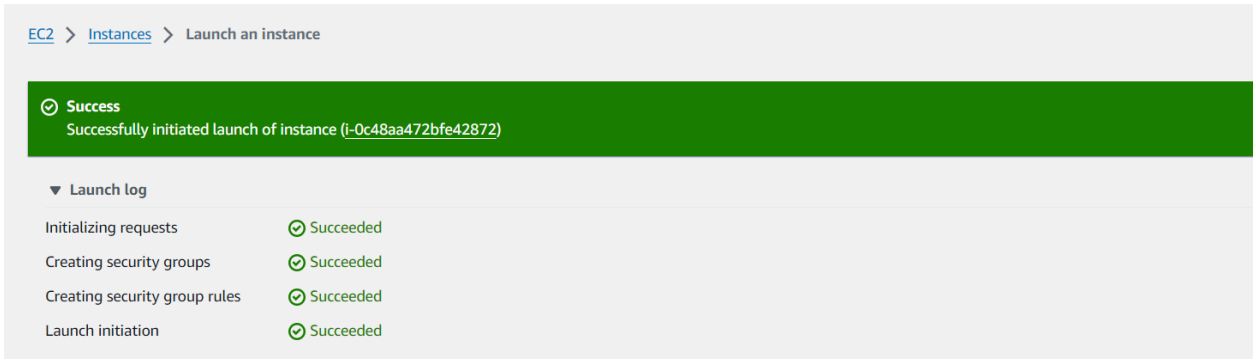


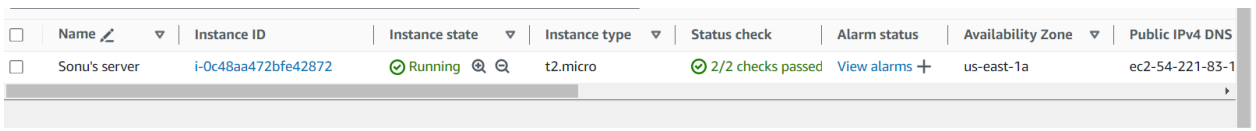
5)

Configure storage:

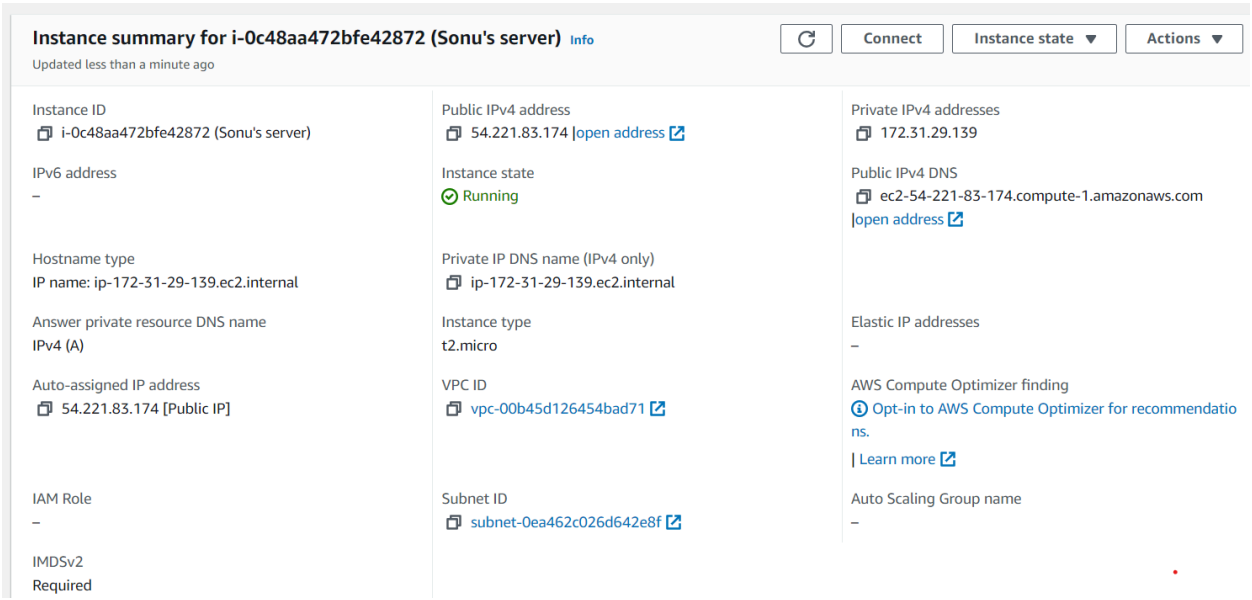


New instance has been launched.

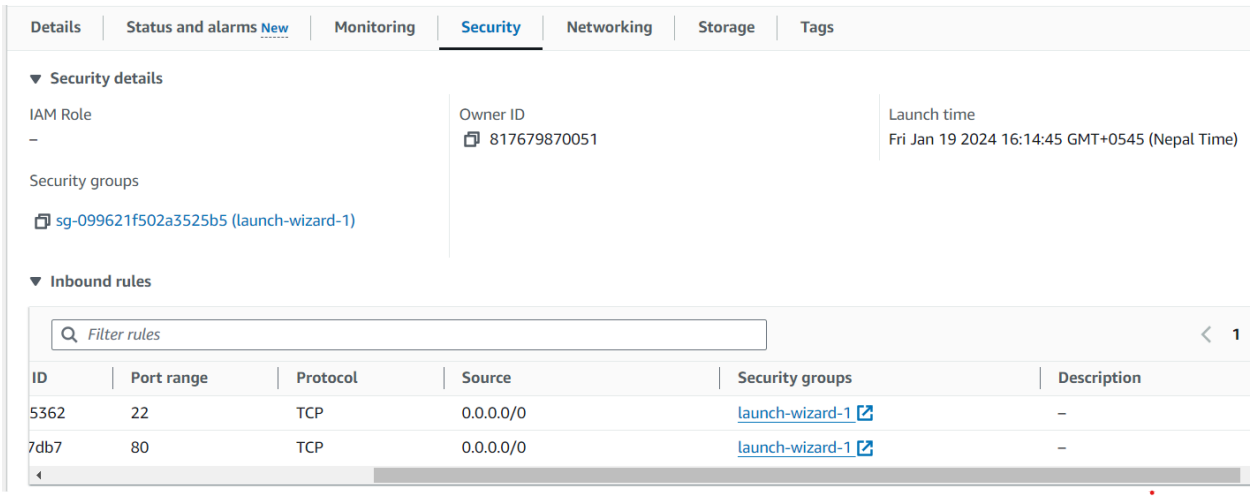




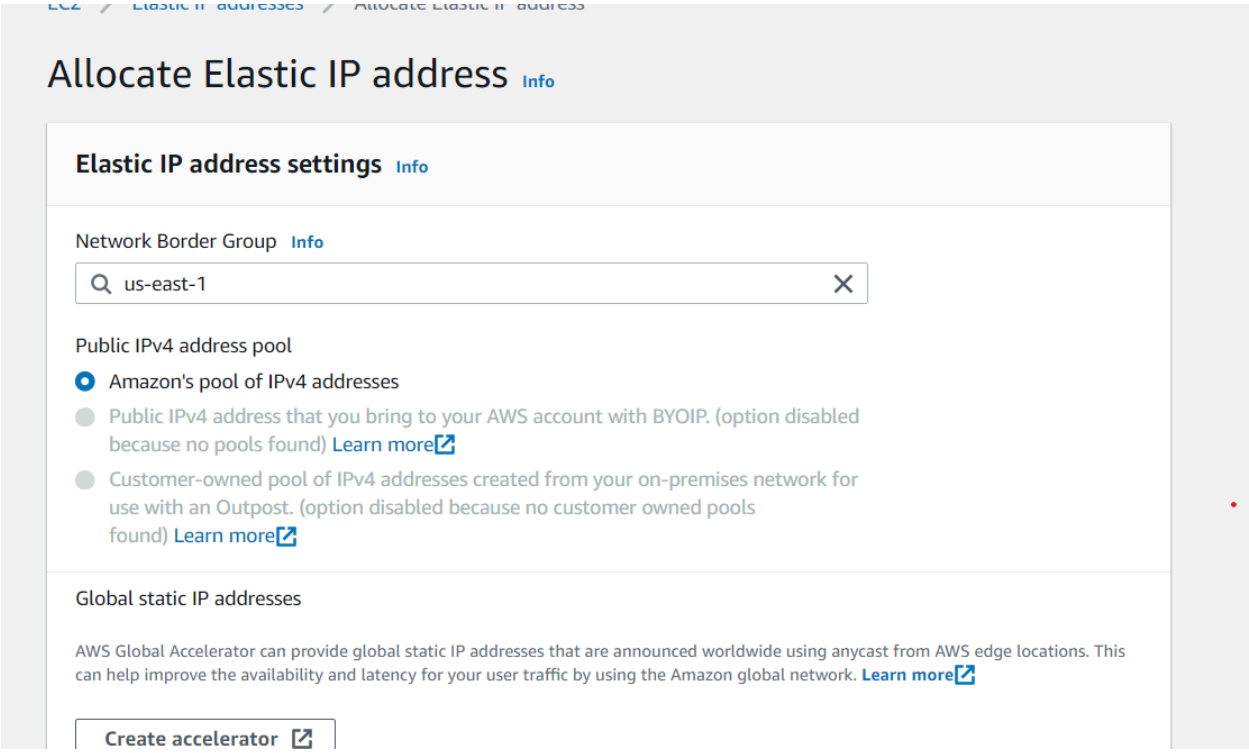
Click on instance Id and see its various properties.

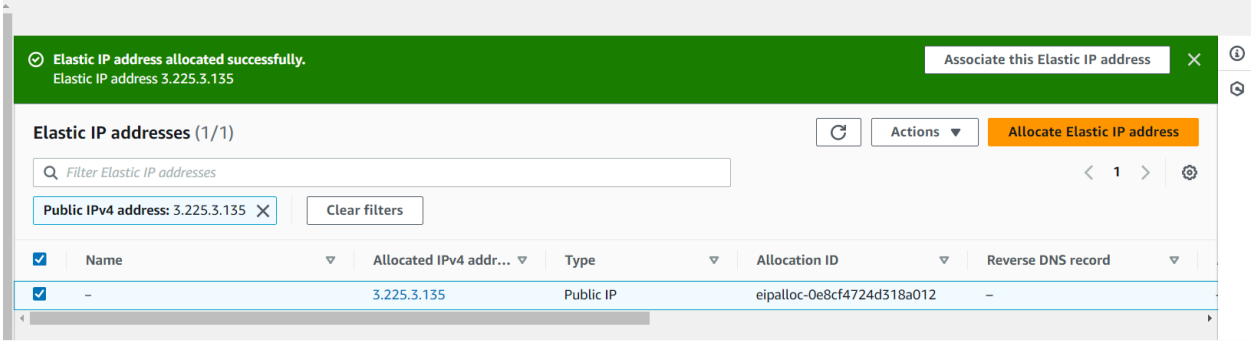


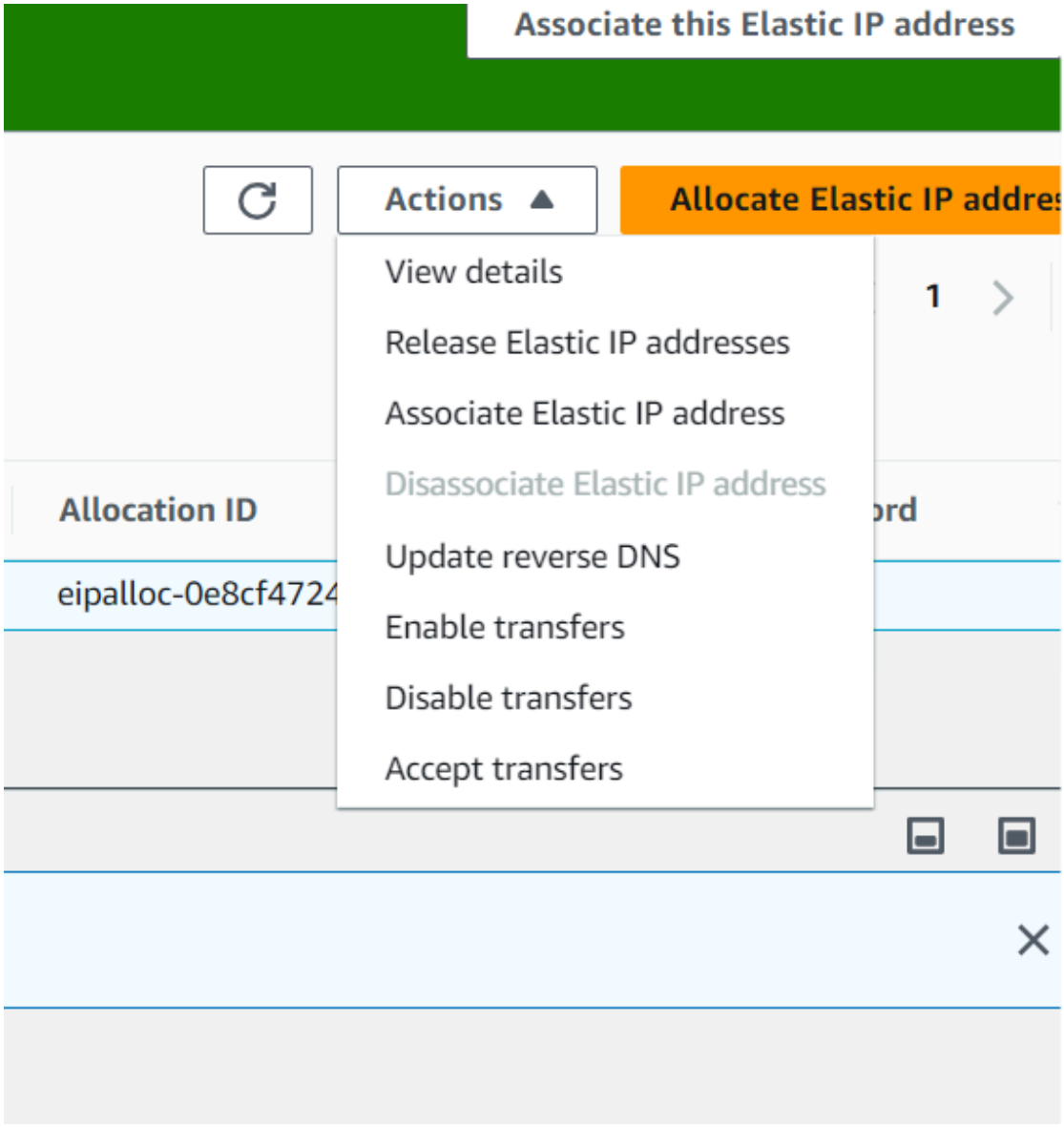
Go to the Security tab and see its security groups.



6) Allocate an Elastic IP address to the instance






Associate this Elastic IP address
Actions
Allocate Elastic IP addres
View details
Release Elastic IP addresses
Associate Elastic IP address
Disassociate Elastic IP address
Update reverse DNS
Enable transfers
Disable transfers
Accept transfers
1
Allocation ID
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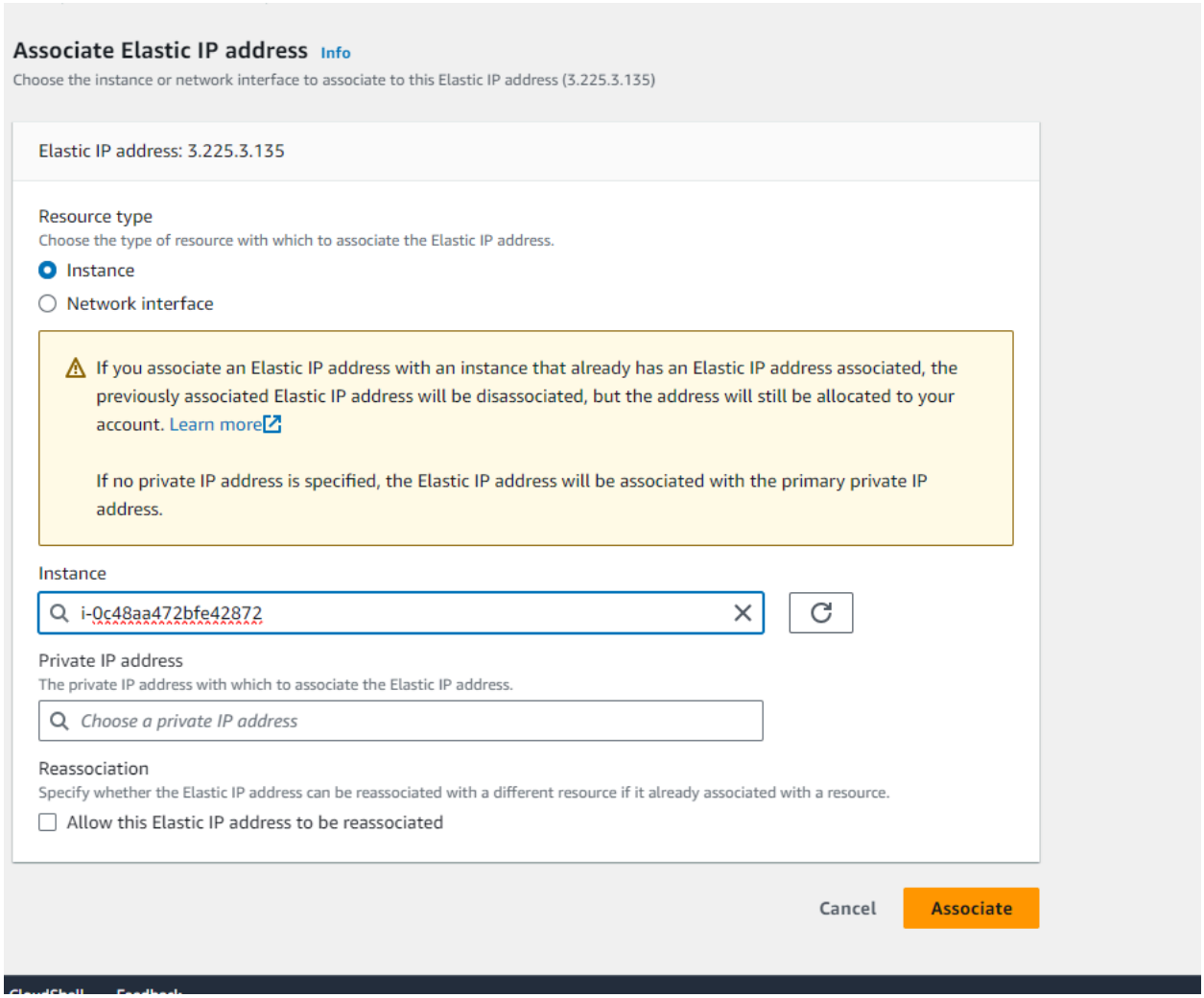
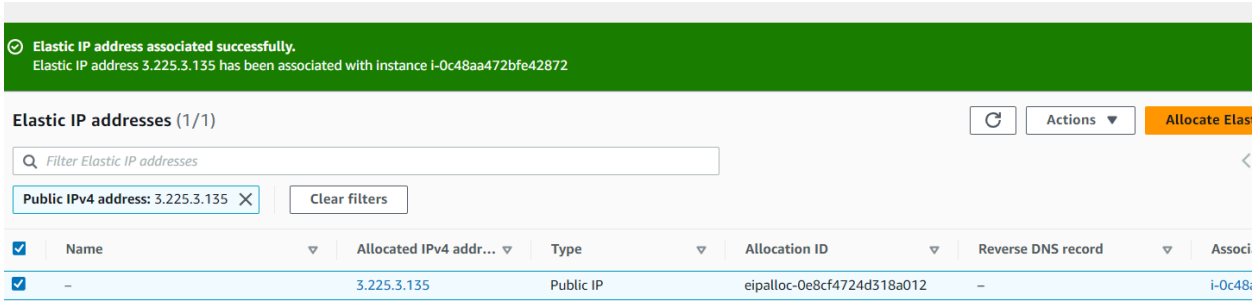
eipalloc-0e8cf4724

Open created elastic IP address and associate them.



After allocation of elastic ip address in created ec2 instance



Connecting to the EC2 instance via SSH