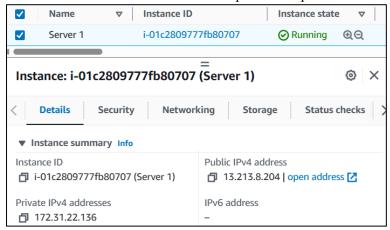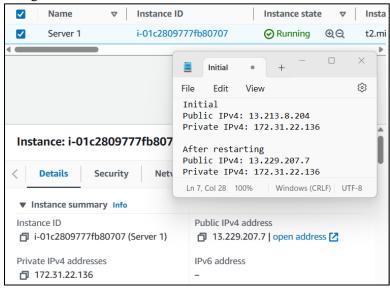# Assignment 14: Create an Elastic IP for an Instance.
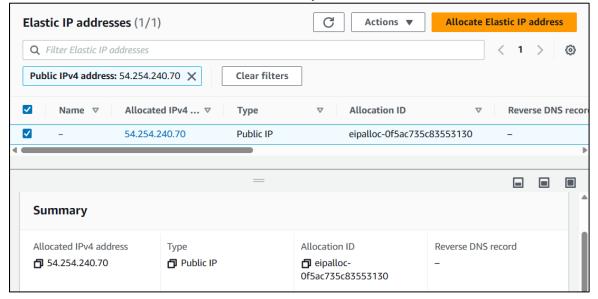
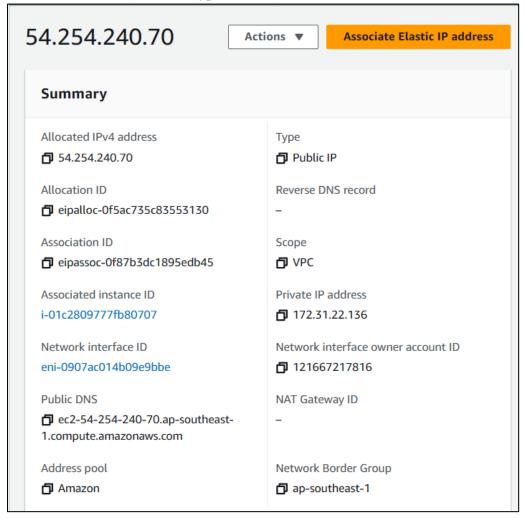1. First create an **EC2 instance**. Note the public and private IPv4 address.

2. When the instance is in running state, stop it and restart it. We can see that the public and private IPv4 address changes.

3. To make our IPv4 address constant for my instance, we need a static IPv4 address i.e., we will create an Elastic IP.
4. Go to **EC2 Dashboard**, choose **Elastic IPs** and select **Allocate Elastic IP address**. Leave the settings as it is and click on **Allocate**. Elastic IP is allocated successfully.

5. Click on the IP address and select **Associate Elastic IP address**.
6. Choose the Instance (**Resource type**: Instance), Private IP address, select the checkbox and click on **Associate**.

7. Now go to EC2 Dashboard and again stop and start the instance. The allocated Elastic IP becomes the public IPv4 address which becomes constant for our instance. It does not change with repeated start and stop of the instance.