Assignment - 14

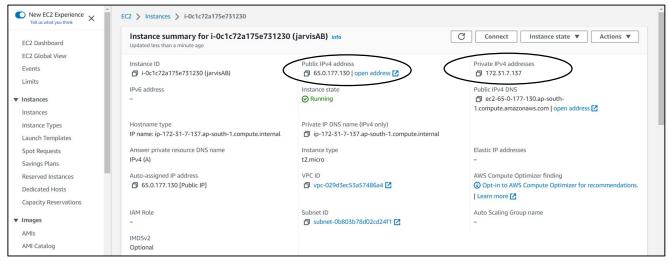
Problem Statement: -

Create an Elastic IP for an instance.

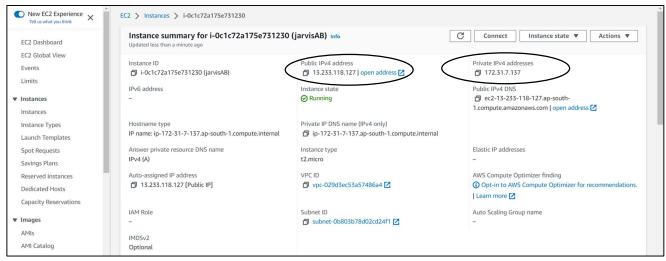
Steps for create an Elastic IP for an instance: -

- First create an EC2 instance. If we check, when stop that instance and re-start that instance we will see
 that Private IPv4 address same but Public IPv4 address changed (every time when stop and re-start
 that instance always change IPv4 address). So, we allocate Elastic IP address.
- 2. Go to EC2 dashboard and then go Elastic IP.
- 3. Click on **Allocate Elastic IP address**. After that, you choose **Amazon's pool of IPv4 addresses** as Public IPv4 address pool and click on Allocate.
- 4. After allocated click on that IPv4 address. Now, click on Associate Elastic IP address.
- 5. Select **Instance** as Resource type, Instance will choose **running instance** and also choose that instance's Private IPv4 address and check the box of **Reassociation**.
- 6. Now, instance's Public IPv4 address will be Elastic IPv4 address.

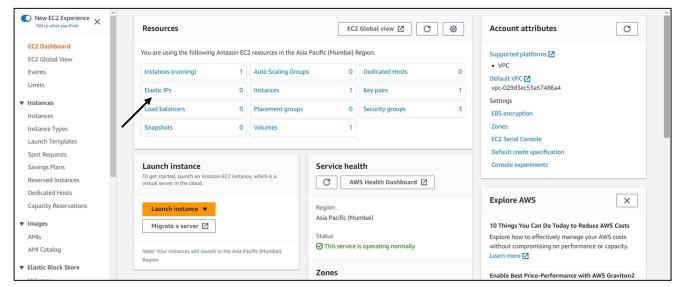
Some snapshots of above process: -



Create an EC2 instance and noted Public & Private IPv4 address



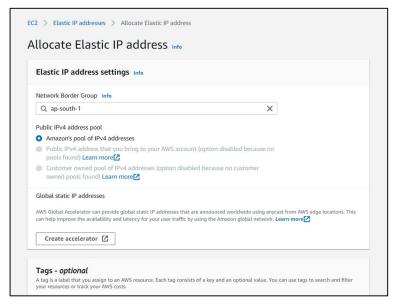
Changes after stop & re-start that instance



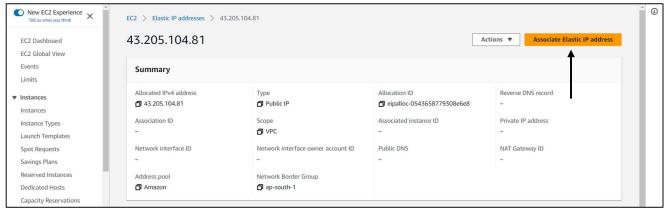
Click on Elastic IPs



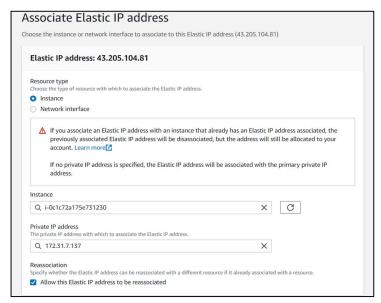
Click on Allocate Elastic IP address



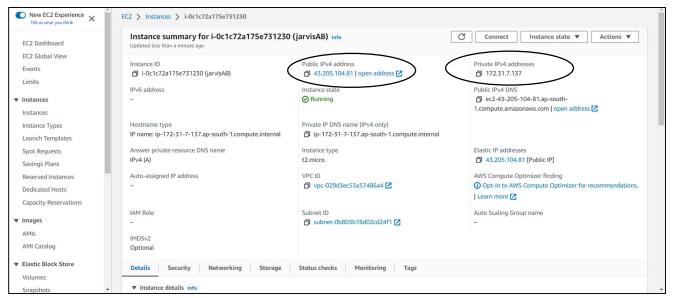
Allocate Elastic IP address



Click on Associate Elastic IP address



Configure EC2 instance for Elastic IP



Now EC2 instance Public IPv4 address same as Elastic IPv4 address