## Assignment - 10

## **Problem Statement: -**

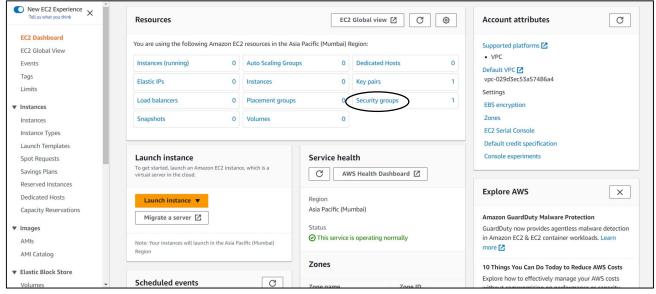
Deploy a project from GitHub to EC2 by creating security new group and user data.

## Steps for deploy a project from GitHub to EC2 by creating security new group & user data: -

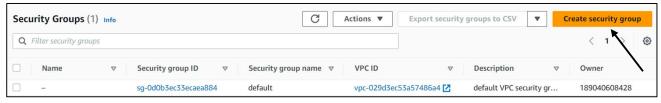
- 1. Go to EC2 dashboard. Then go resources and enter into Security groups.
- 2. Click on Create security group.
- 3. Fill the Basic details (Security group name and Description must be same). Add Inbound rules such as Custom TCP (4000), SSH (22), HTTP (80), HTTPS (443). All the source 0.0.0.0/0 and click on create security group.
- 4. Now create EC2 instance. Select newly created security group.
- 5. Go Advanced details and add following commands in User data #!/bin/bash apt-get update apt-get install -y nginx systemctl start nginx systemctl enable nginx apt-get install -y git curl -sL https://deb.nodesource.com/setup\_18.x | sudo -E bash apt-get install -y nodejs git clone https://github.com/ABgithub-17/DemoProject2.git cd DemoProject2 npm install node index.js
- 6. Copy Public IPv4 address and paste it in web browser with :4000. Now project deploy.

## Some snapshots of above process: -

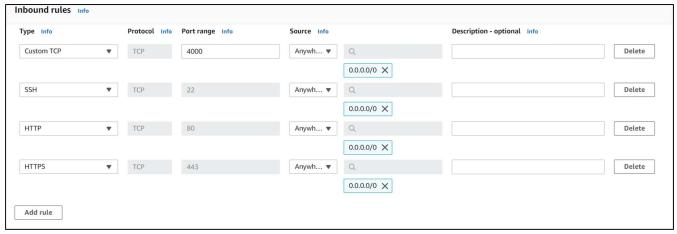
(GitHub repository must be public)



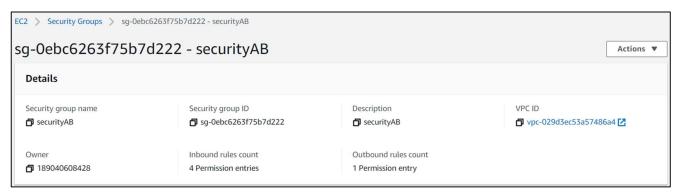
Go to Security groups



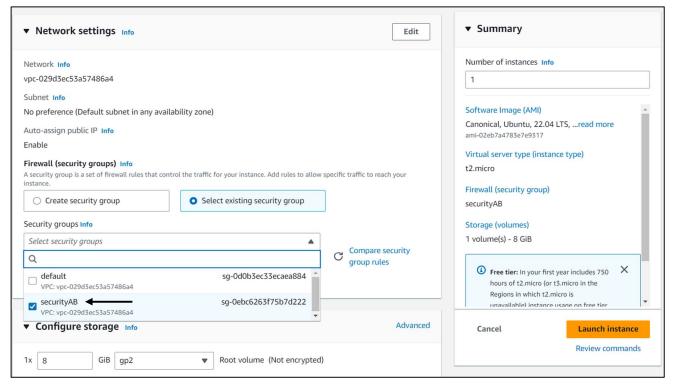
Click on Create security group



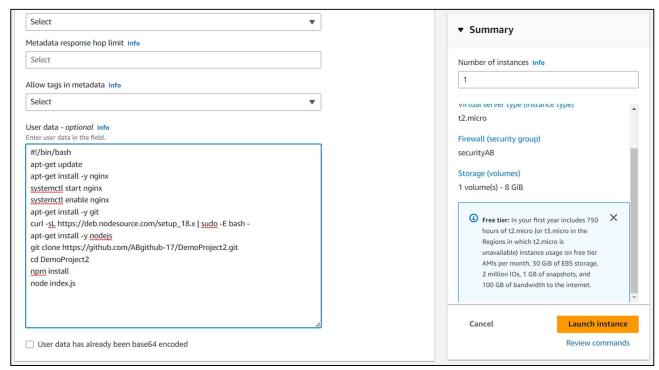
Add Inbound rules



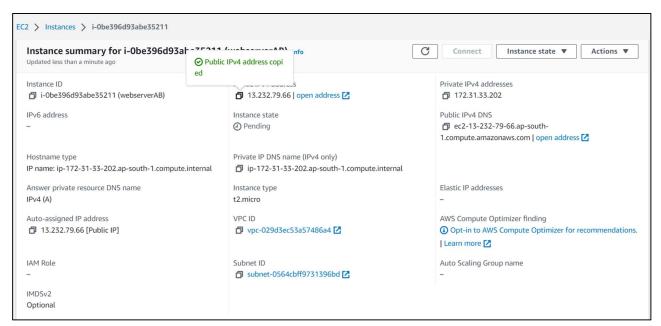
New security group created



Select newly created security group



Add User data



Copy Public IPv4 address



**Deploy project**