UNI: kb2896

Name: KUNAL BAWEJA

Subject: COMS E6998 Cloud Computing & Big Data

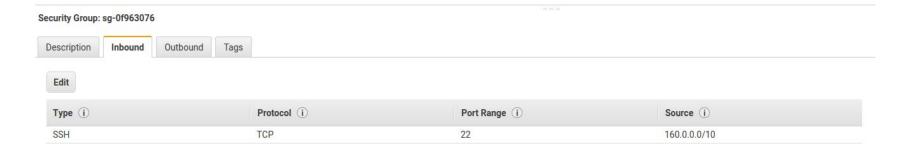
## **Screenshots for Creating AWS Instances via AWS CLI Tool**

Mini-HW-1 (Part-1)

kunal@baweja:~\$ aws ec2 --region us-west-2 create-security-group --group-name my-security-group --description "My Security Group" "GroupId": "sg-0f963076" kunal@baweja:~\$ aws ec2 --region us-west-2 authorize-security-group-ingress --group-name my-security-group --protocol tcp --port 22 --cidr 160.39.250.94/10 kunal@baweja:~\$

Create and Configure my-security-group

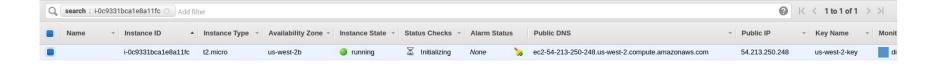


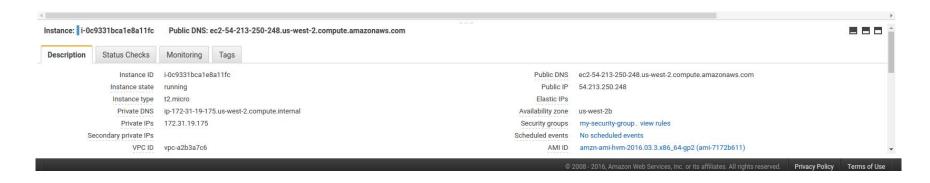


Verify security group creation and configuration

```
kunal@baweja:~$ aws ec2 --region us-west-2 create-security-group --group-name my-security-group --description "My Security Group"
   "GroupId": "sg-0f963076"
unal@baweja:~$ aws ec2 --region us-west-2 authorize-security-group-ingress --group-name my-security-group --protocol tcp --port 22 --cidr 160.39.250.94/10
unal@baweja:-$ aws ec2 run-instances --region us-west-2 --image-id ami-7172b611 --count 1 --instance-type t2.micro --key-name us-west-2-key --security-groups my-security-group
   "OwnerId": "644246451492",
   "ReservationId": "r-0f87c1b4cc1bfb3d4".
   "Groups": [],
   "Instances": [
           "Monitoring": {
               "State": "disabled"
           "PublicDnsName": ""
           "RootDeviceType": "ebs",
           "State": {
               "Code": 0,
               "Name": "pending"
           "EbsOptimized": false,
           "LaunchTime": "2016-09-26T15:33:26.000Z",
           "PrivateIpAddress": "172.31.19.175",
           "ProductCodes": [],
           "VpcId": "vpc-a2b3a7c6",
           "StateTransitionReason": ""
           "InstanceId": "i-Oc9331bca1e8a11fc".
           "ImageId": "ami-7172b611",
           "PrivateDnsName": "ip-172-31-19-175.us-west-2.compute.internal",
           "KeyName": "us-west-2-key",
           "SecurityGroups": [
                   "GroupName": "my-security-group",
                   "GroupId": "sq-0f963076"
           "ClientToken": "",
           "SubnetId": "subnet-a5f3ccc1",
           "InstanceType": "t2.micro",
           "NetworkInterfaces": [
                   "Status": "in-use",
                   "MacAddress": "02:e2:22:50:9d:c7".
                   "SourceDestCheck": true,
                   "VpcId": "vpc-a2b3a7c6",
                   "Description": ""
                   "NetworkInterfaceId": "eni-e0de559f",
                   "PrivateIpAddresses": [
                           "PrivateDnsName": "ip-172-31-19-175.us-west-2.compute.internal",
                           "Primary": true,
                           "PrivateIpAddress": "172.31.19.175"
                   ],
"PrivateDnsName": "ip-172-31-19-175.us-west-2.compute.internal",
                   "Attachment": {
                       "Status": "attaching",
                       "DeviceIndex": 0,
                       "DeleteOnTermination": true,
                       "AttachmentId": "eni-attach-201be28e",
                       "AttachTime": "2016-09-26T15:33:26.000Z"
```

Launch a t2.micro ec2 instance



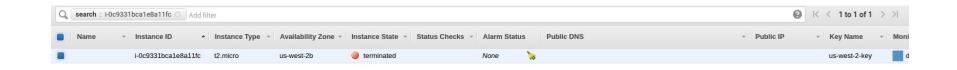


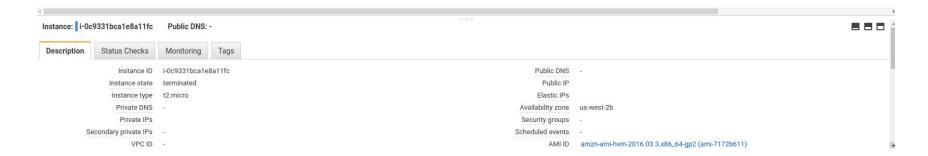
Verify launched instance in web console of AWS

[ec2-user@ip-172-31-19-175 ~]\$

SSH into EC2 instance launched via AWS CLI tool

Terminate EC2 instance from commandline





Confirm termination of EC2 instance