



## Accessing EC2 Instance using AWS CLI

## **Section 1: Security Groups**

Security Groups help you to connect the EC2 instance with the local machine. It is able to do so by providing permission to the public IP address of your local machine.

The following command is used to create a security group for an EC2 instance using AWS CLI:

You can find your public IP address using the link below: <a href="https://www.ip2location.com/">https://www.ip2location.com/</a>



## Example:

```
aws ec2 authorize-security-group-ingress --group-id
sg-00cf2c3bcb10c2015 --protocol tcp --port 22 --cidr 20.13.17.18/32
aws ec2 authorize-security-group-ingress --group-id
```

sg-00cf2c3bcb10c2015 --protocol tcp --port 8888 --cidr 20.13.17.18/32

However, the IP address is not fixed and refreshes on your existing network or changes every time you connect to a new network. Therefore, you must be careful when you access



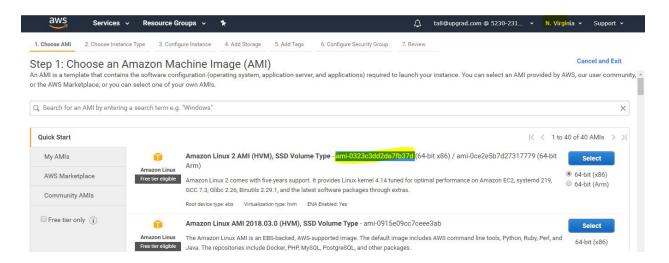


the instance. As the best practice, you must always start the process with checking the IP address of the instance. In case you are using an office laptop then check your IP address with Network administrator or you put 0.0.0.0/0 in place of my IP.

## Section 2: Instance ami-ID

You are expected to work in the **N. Virginia** region. The ami-id for the instance may be updated regularly and hence, you should always check it on the AWS platform.

AMI ID- ami-0323c3dd2da7fb37d (ami id is available on the AWS console)



Once the EC2 instance is created, you can find the status of it and the public DNS to login with this instance for Windows (using PuTTY) or Mac/Linux.

```
aws ec2 describe-instances --instance-id i-xxxxxxx
```

**Note**: You must stop the instance using the below command or AWS console:

```
aws ec2 stop-instances --instance-ids i-xxxx
```

Do not terminate the instance as it will be used later to work with the Jupyter Notebook.