**Documentation for Creating Amazon EC2 Instance using Yaml Configuration file**

This manual provides steps to create EC2 instance of required specifications on Amazon AWS using Python and yaml file.

I am assuming that user who is running this program has already Amazon aws account.

**Step 1:** Download the Amazon Cli to configure AWS Account through command line interface and automate them through scripts. It is recommended to download the AWS Cli Version 2 for support the latest features. Follow the link provided below to install AWS Cli:

[https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-install.html](#_top)

**Step 2:** Login to the AWS Management Console using Root user.

**Step 3:** On the home page go on to the top right-hand side under your name tab and in that drop down menu click on “**My Security Credentials**”. Click on the Access key section and in that click on “**Create New Access Key**” download this access key it will generated as a “**rootkey.csv file**” and save it at some secured location where it is accessible to you.

**Step 4:** Open Command Line Interface to access AWS Cli and type the following command:

$ **aws configure**

And press enter it will prompt to enter the value for following fields:

AWS Access Key ID [None]: Enter the value from the rootkey.csv

AWS Secret Access Key [None]: Enter the value from the rootkey.csv

Default region name [None]: us-east-1

Default output format [None]: json

**Step 5:** Run the AWS\_EC2\_Automate\_Script.py file using command:

python AWS\_EC2\_Automate\_Script.py

**Note:** For security reasons I have not included class key pair file to access ec2 instance and also removed the value of ssh public key from the yaml file.