

MINI PROJECT:

TASK: Deploy A simple Python application in EC2

INTRODUCTION:

This report is based on deploying a simple python application In EC2.

SERVICE USED:

- Amazon Elastic Compute Cloud (Amazon EC2) provides on-demand, scalable computing capacity in the Amazon Web Services (AWS) Cloud. Using Amazon EC2 reduces hardware costs so you can develop and deploy applications faster.
- EC2 provides you to rent virtual computers. The provision of servers on AWS Cloud is one of the easiest way in EC2. EC2 has resizable capacity. EC2 offers security, reliability, high-performance and cost-effective infrastructure so as to meet the demanding business needs.

STEPS TO BE FOLLOWED:

1. Open your AWS Management console.
2. Click on to the services and go to EC2.
3. Create an instance with the desired name and AMI.
4. Create a key pair and add it along the creation of EC2 instance.
5. At last click on to the launch instance.
6. Now open the networking section of the instance and copy the public IP and paste in the putty.
7. Now give a desired user name and click on to open.
8. To check the command prompt type "whoami" which shows the user name.
9. Type "python3 --version" which shows the current version.
10. Type the python file and the run it the prompt.

CODE:

```
python --version
```

```
sudo yum -y groupinstall "Development Tools"
```

```
sudo yum -y install openssl-devel bzip2-devel libffi-devel
```

```
sudo yum -y install wget
```

```
wget https://www.python.org/ftp/python/3.9...
```

```
tar xvf Python-3.9.16.tgz
```

```
cd Python-*/ ./configure --enable-optimizations sudo make altinstall
```

```
python-3.9 --version
```

SCREENSHOTS OF MY POC:

