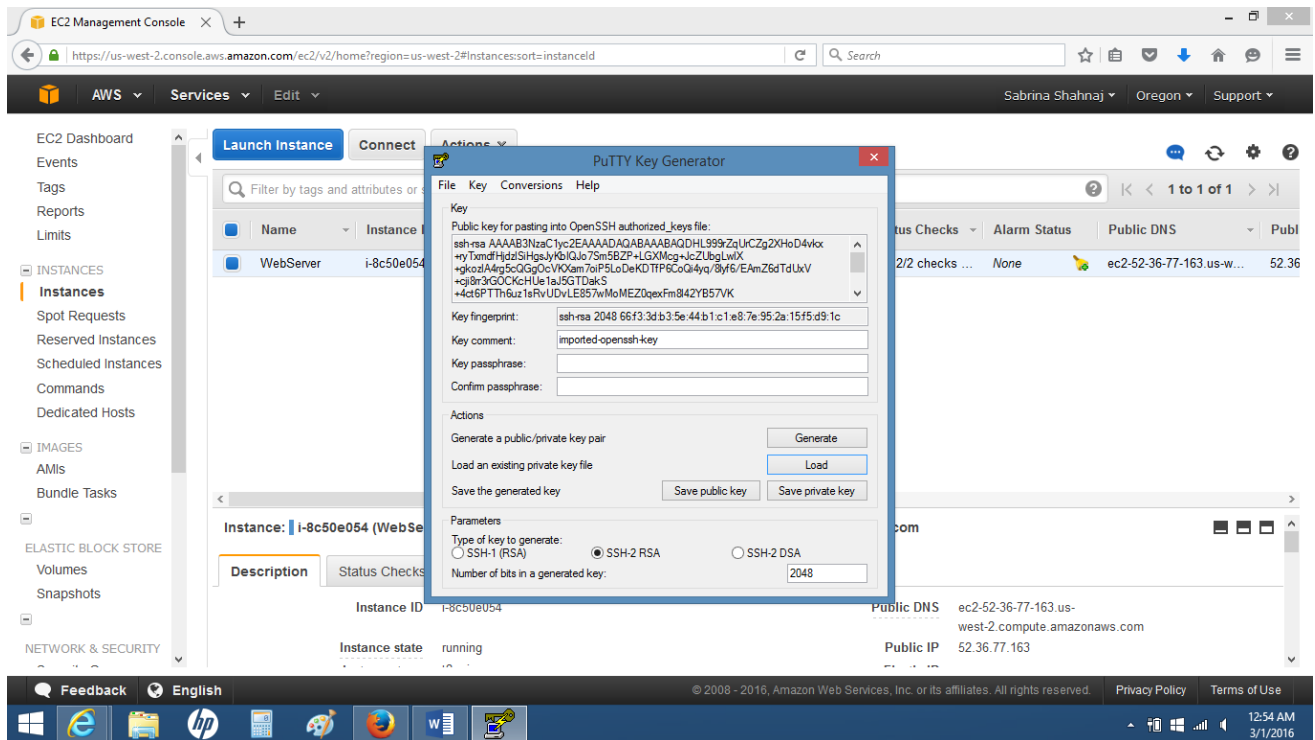
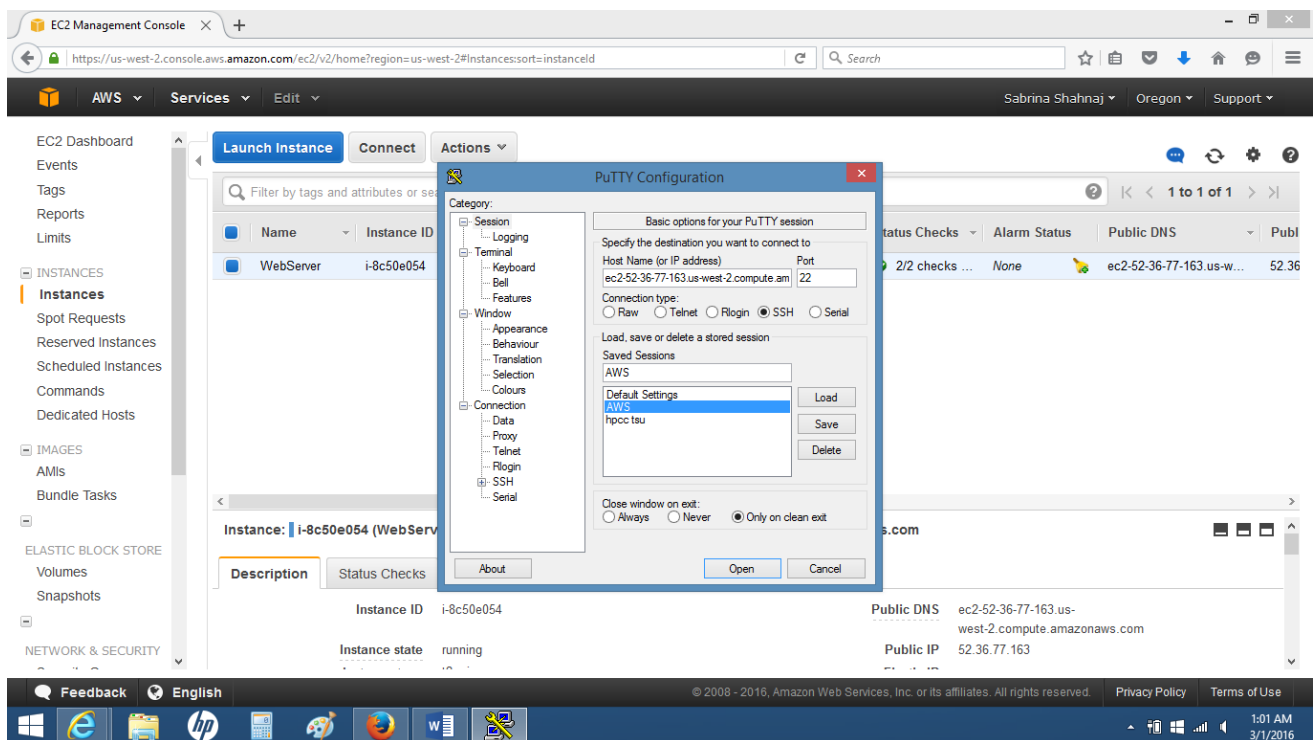


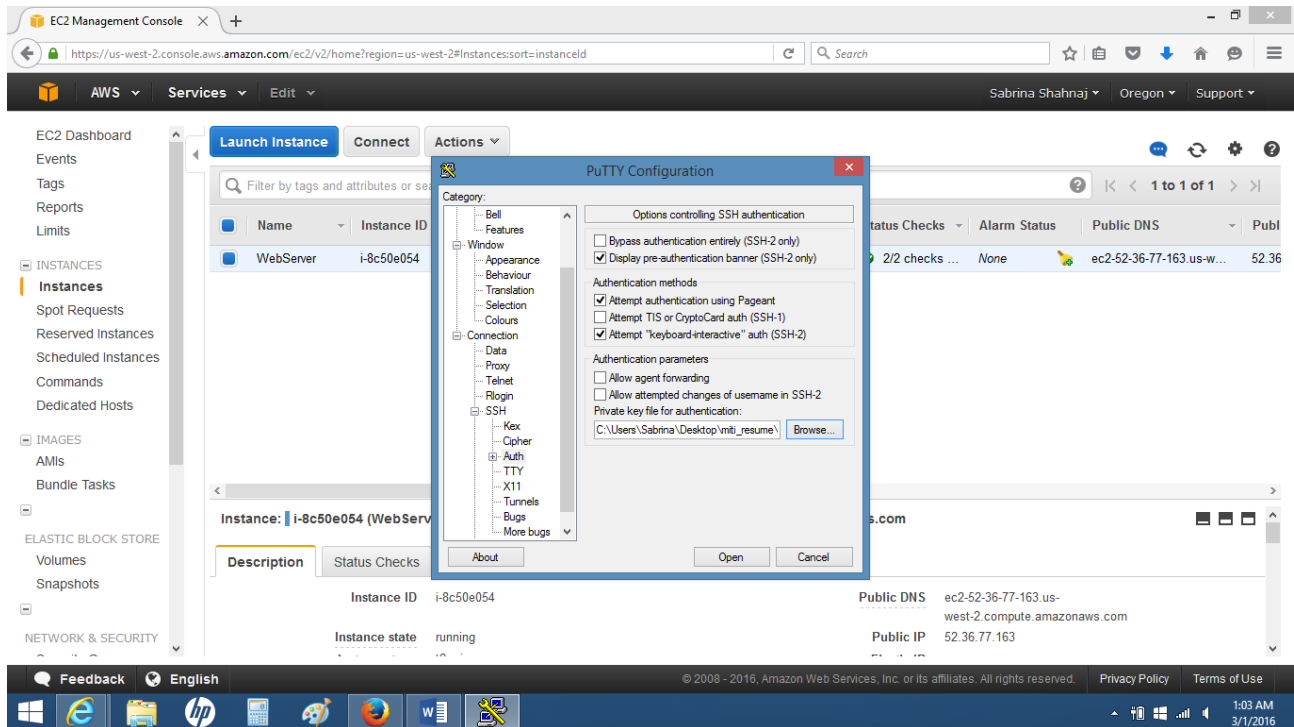
Open **PuttyGen**, load the key that was downloaded from AWS. Generate and save the private key.



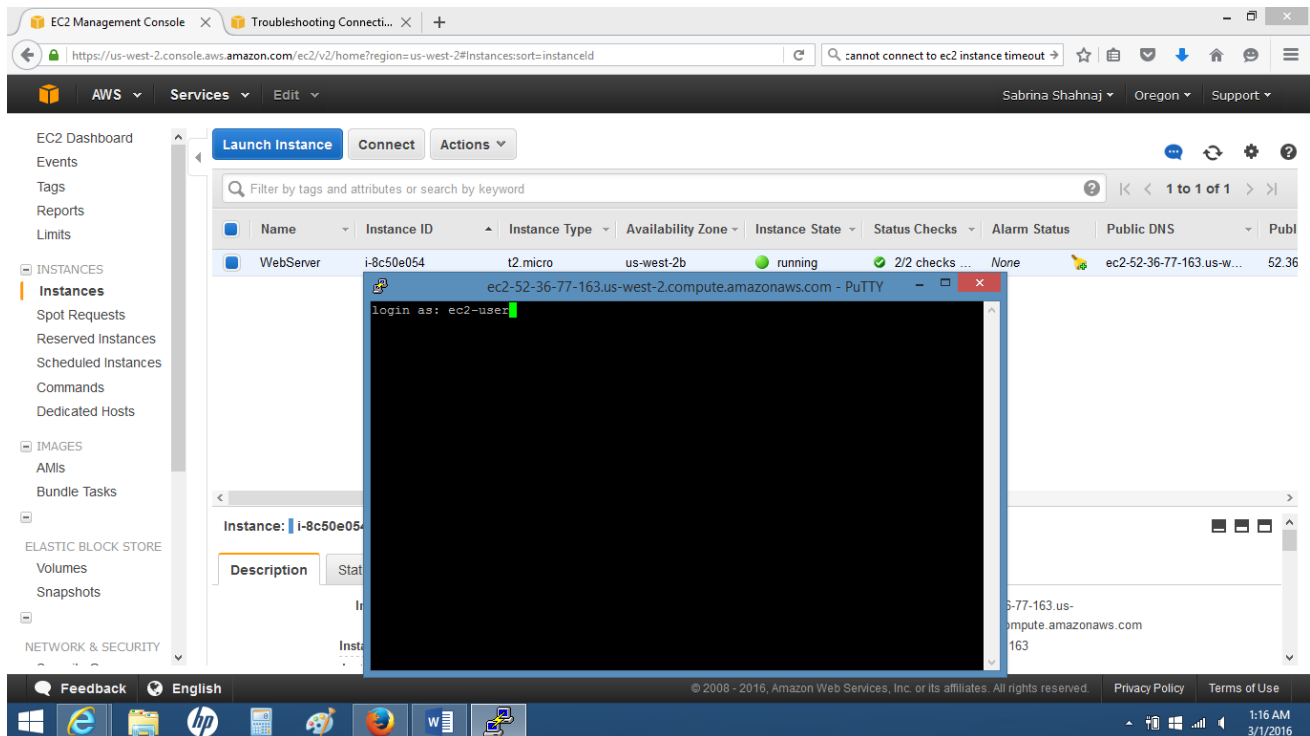
Open **Putty** and Click **Session**. Type **Hostname with Public DNS from AWS EC2 instance** and save it for future use.

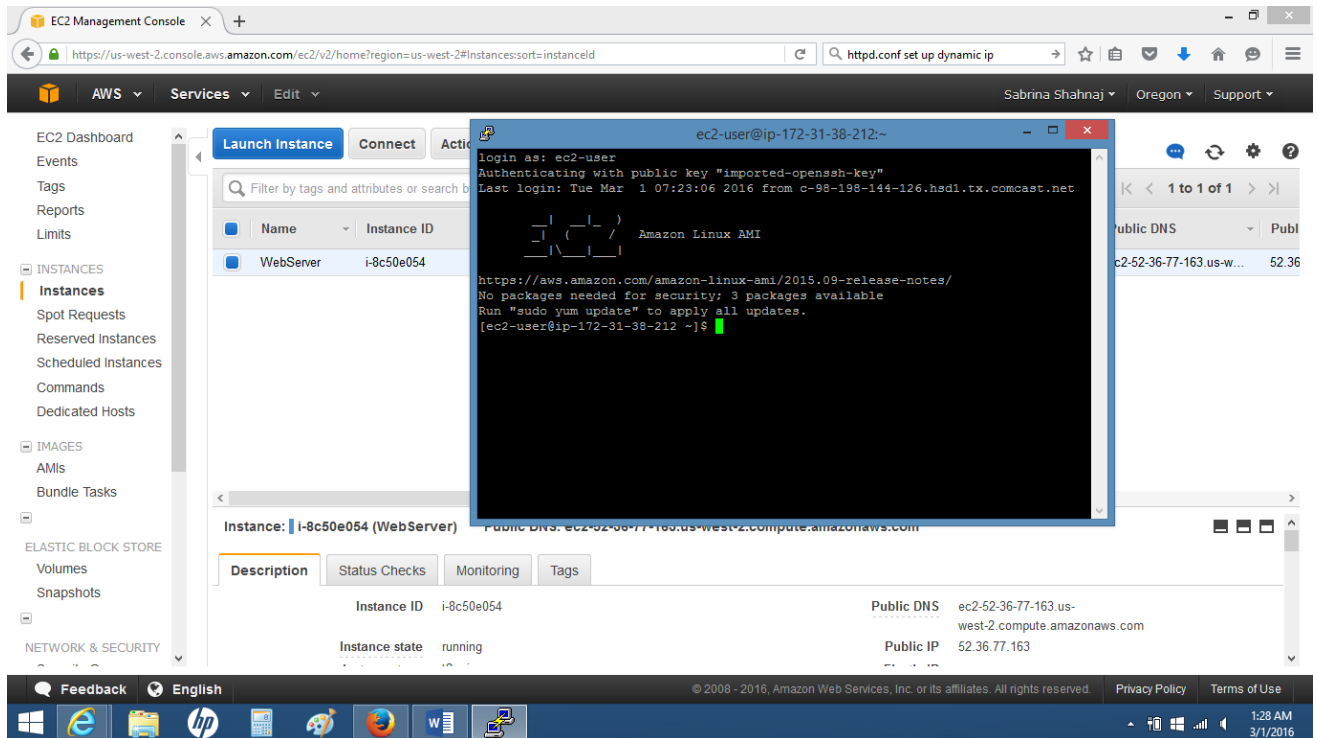


Click **SSH** -> **Authentication** -> **Browse the private key file** generated by **puttygen** and save this session again.

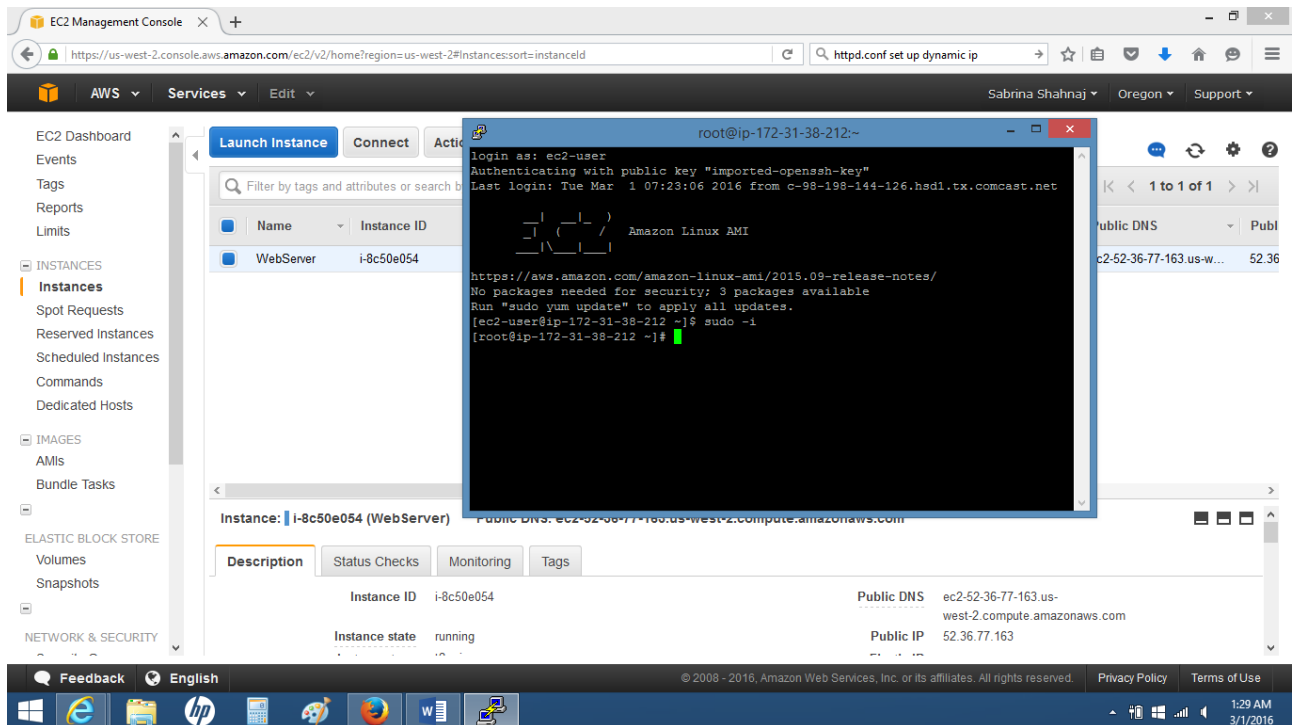


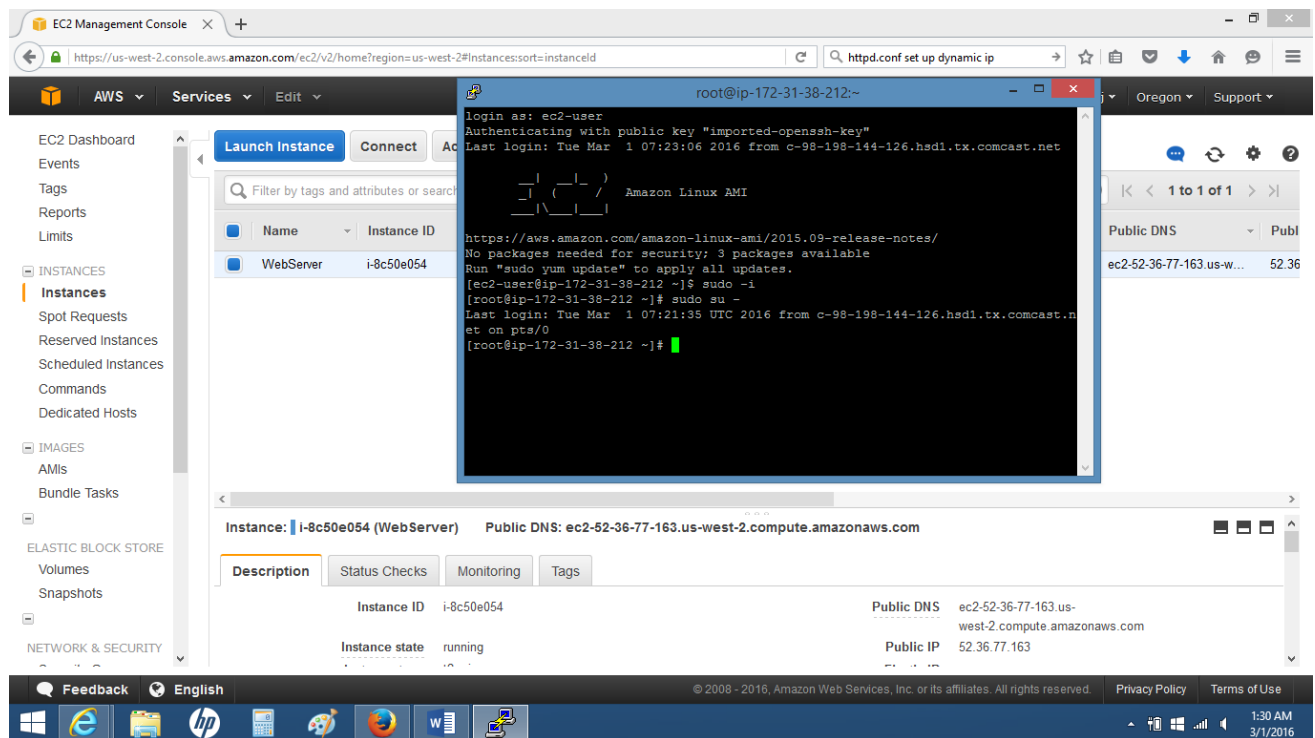
Click **Open** and login with **ec2-user**





To install php, apache webserver, phpmyadmin and mysql, Login as root. For it, enter  
**sudo -i**





**Install php and apache web server:** Enter below commands

`sudo yum install php-mysql php php-xml php-mcrypt php-mbstring php-cli mysql httpd`

**Start Apache server automatically**

`chkconfig --levels 235 httpd on`

**Check that apache is running or not**

`chkconfig --list httpd`

The screenshot shows the AWS Management Console with the EC2 instance 'WebServer' (ID: i-8c50e054) in a running state. A terminal window is open, displaying the following commands and output:

```

root@ip-172-31-38-212:~
php-mbstring.x86_64 0:5.3.29-1.8.amzn1 php-mcrypt.x86_64 0:5.3.29-1.8.amzn1
php-mysql.x86_64 0:5.3.29-1.8.amzn1 php-xml.x86_64 0:5.3.29-1.8.amzn1

Dependency Installed:
apr.x86_64 0:1.5.1-1.12.amzn1
apr-util.x86_64 0:1.4.1-4.17.amzn1
apr-util-ldap.x86_64 0:1.4.1-4.17.amzn1
compat-gmp4.x86_64 0:4.3.2-1.14.amzn1
httpd-tools.x86_64 0:2.2.31-1.6.amzn1
libmcrypt.x86_64 0:2.5.8-9.1.2.amzn1
libtool-ld1.x86_64 0:2.4.2-20.4.8.3.31.amzn1
mysql-config.x86_64 0:5.5.46-1.10.amzn1
mysql55.x86_64 0:5.5.46-1.10.amzn1
mysql55-libs.x86_64 0:5.5.46-1.10.amzn1
php-common.x86_64 0:5.3.29-1.8.amzn1
php-pdo.x86_64 0:5.3.29-1.8.amzn1

Complete!
[root@ip-172-31-38-212 ~]# chkconfig --levels235 httpd on
--levels235: unknown option
[root@ip-172-31-38-212 ~]# chkconfig --levels 235 httpd on
[root@ip-172-31-38-212 ~]# chkconfig --list httpd
httpd 0:off 1:off 2:on 3:on 4:off 5:on 6:off
[root@ip-172-31-38-212 ~]#

```

## Set up your ip address in httpd.conf

/etc/httpd/conf/httpd.conf

Search ServerName in httpd.conf file.

ServerName yourip:80 and save it.

The screenshot shows the AWS Management Console with the EC2 instance 'WebServer' (ID: i-8c50e054) in a running state. A terminal window is open, displaying the following commands and output:

```

root@ip-172-31-38-212:/etc/httpd/conf
php-common.x86_64 0:5.3.29-1.8.amzn1
php-pdo.x86_64 0:5.3.29-1.8.amzn1

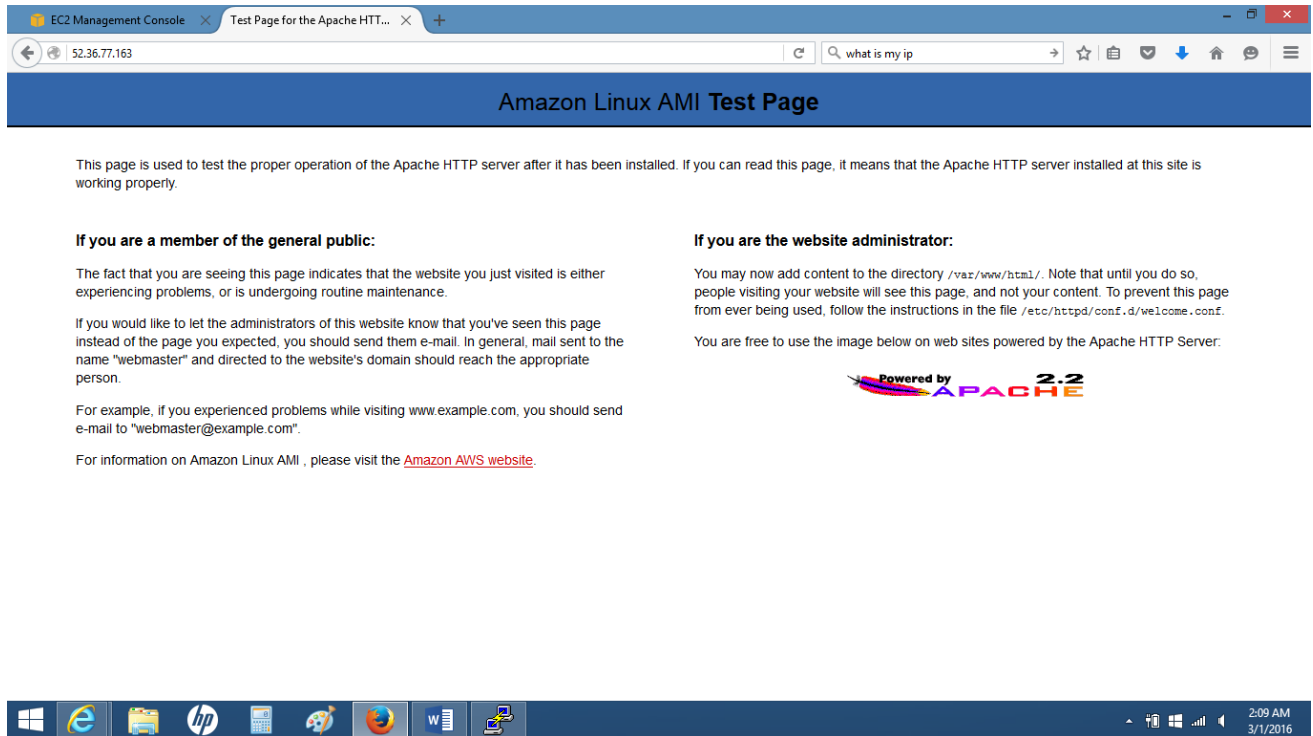
Complete!
[root@ip-172-31-38-212 ~]# chkconfig --levels235 httpd on
--levels235: unknown option
[root@ip-172-31-38-212 ~]# chkconfig --levels 235 httpd on
[root@ip-172-31-38-212 ~]# chkconfig --list httpd
httpd 0:off 1:off 2:on 3:on 4:off 5:on 6:off
[root@ip-172-31-38-212 ~]# cd /etc/httpd/conf/httpd.conf
[root@ip-172-31-38-212 ~]# cd ..
[root@ip-172-31-38-212 ~]# cd etc
[root@ip-172-31-38-212 etc]# cd httpd
[root@ip-172-31-38-212 httpd]# cd conf
[root@ip-172-31-38-212 httpd]# cd ..
[root@ip-172-31-38-212 httpd]# cd conf/httpd.conf
-bash: cd: conf/httpd.conf: Not a directory
[root@ip-172-31-38-212 httpd]# cd conf
[root@ip-172-31-38-212 conf]# sudo httpd.conf
sudo: httpd.conf: command not found
[root@ip-172-31-38-212 conf]# vi httpd.conf
[root@ip-172-31-38-212 conf]# vi httpd.conf
[root@ip-172-31-38-212 conf]#

```

## Restart Apache server

service httpd restart

**Now open the browser and copy the public IP/ DNS from AWS and hit enter. It will open Apache Web Server Test page**



## Install MySql

```
sudo yum install mysql-server
```

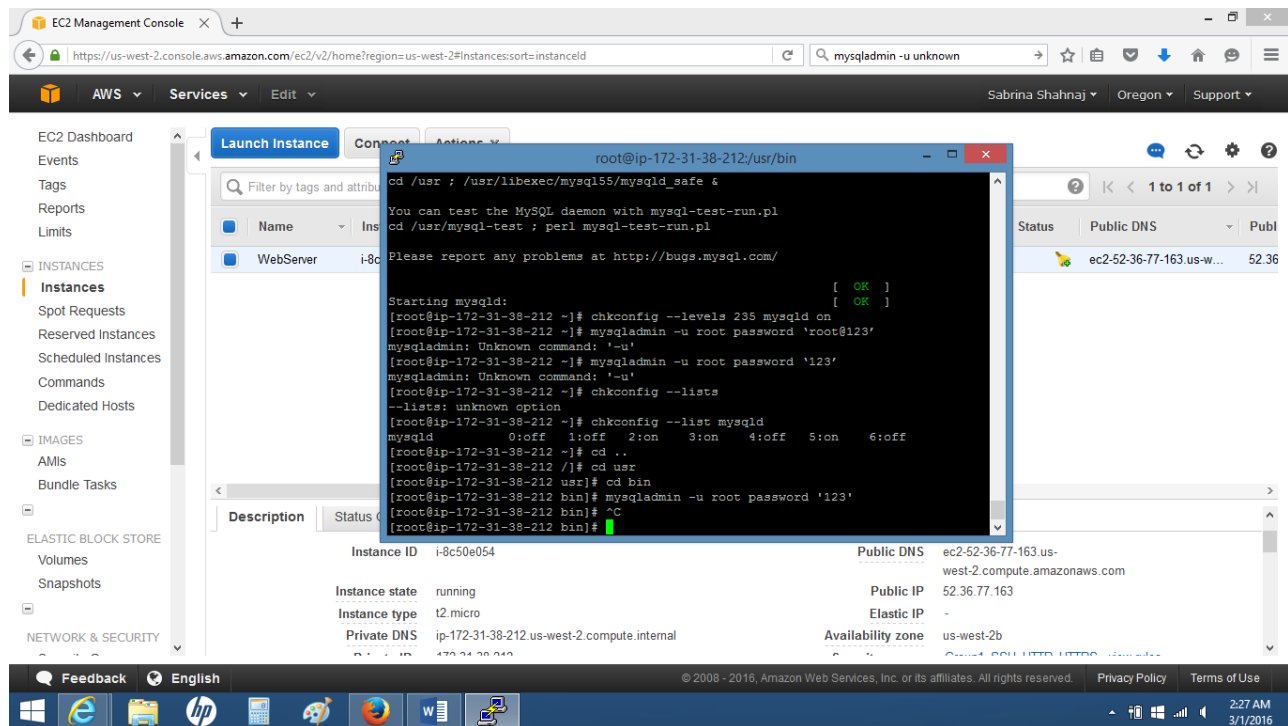
```
sudo /etc/init.d/mysqld start
```

## Start mysql server automatically

```
chkconfig --levels 235 mysqld on
```

## Setup user and password for mysql server

```
/usr/bin/mysqladmin -u root password '123'
```



## Install PhpMyAdmin

`sudo yum-config-manager --enable epel`

`sudo yum install phpmyadmin`

## Access phpmyadmin from your local machine

`sudo sed -i -e 's/127.0.0.1/your_ip_address/g' /etc/httpd/conf.d/phpMyAdmin.conf`

If you get a **403 Forbidden error**, verify that you have **set the correct IP address** in the **/etc/httpd/conf.d/phpMyAdmin.conf** file. You can view the Apache access log to see what IP address the Apache server is actually getting your requests from with the following command:

`sudo tail -n 1 /var/log/httpd/access_log | awk '{ print $1 }'`

205.251.233.48

**Now follow the above process to set the correct ip at phpMyAdmin.conf file.**