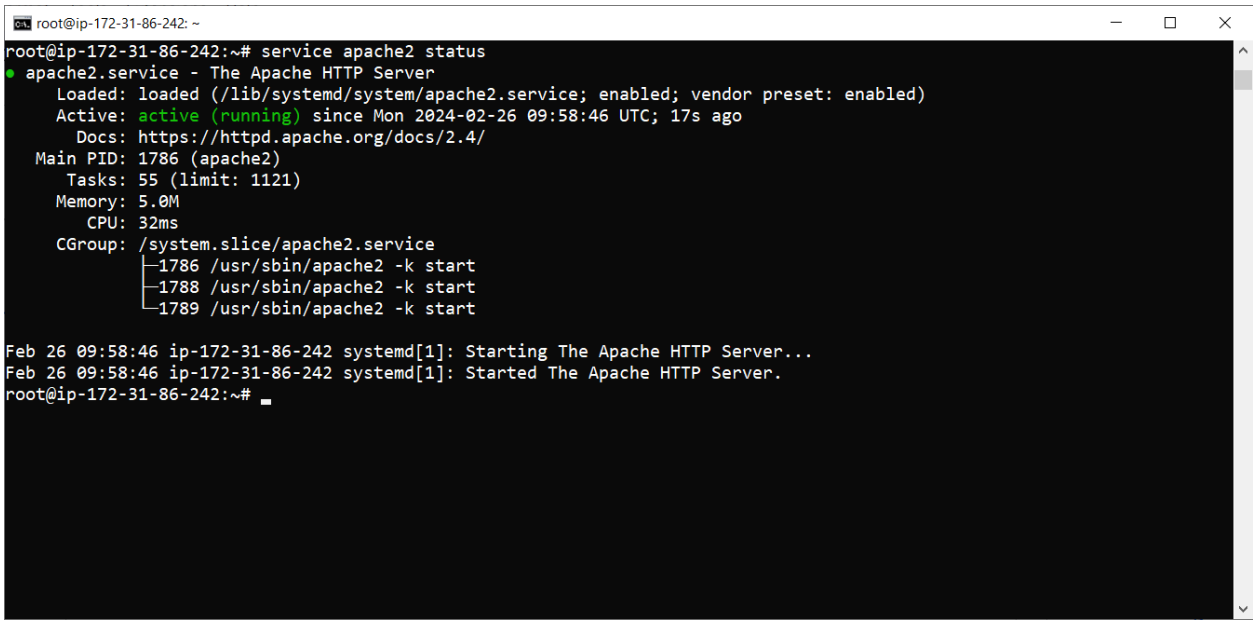
LAMP (Linux Apache2 Mysql PHP) Installation on Ubuntu machine.

Step 1 : Install apache2 on the ubuntu machine.

To install apache2 on the ubuntu machine, use the following command.

```
apt-get install apache2 -y
```

Check the status of apache2.

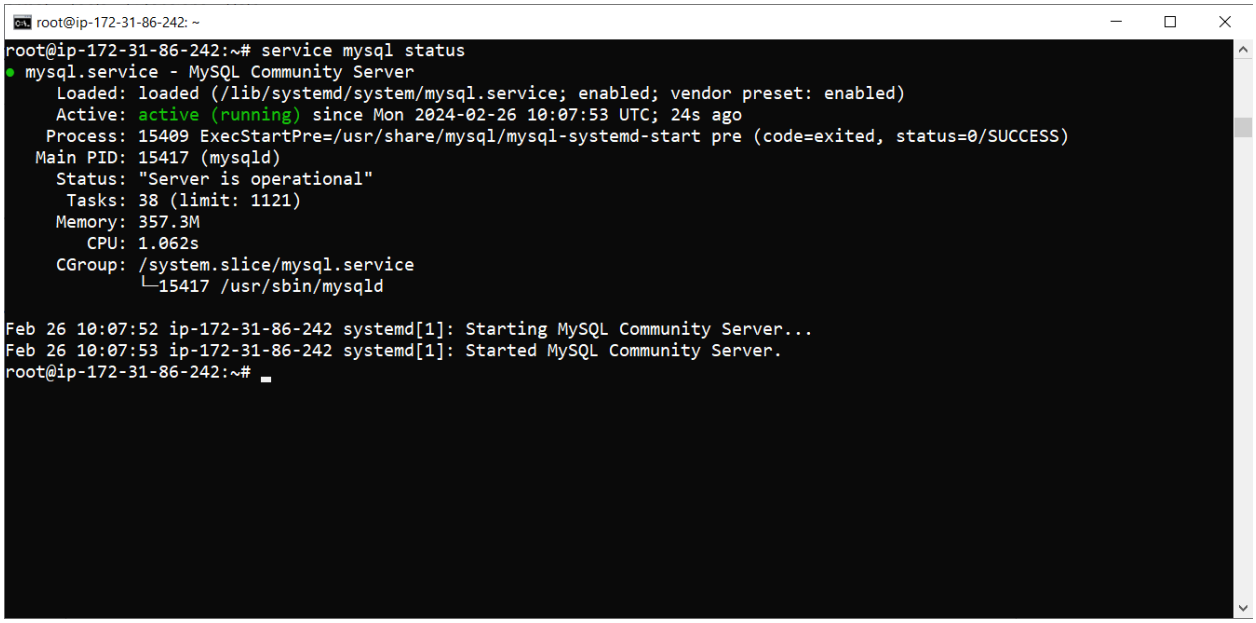


Step 2 : Install Mysql database.

Use the following command to install the mysql database on an ubuntu machine.

```
apt-get install mysql-server
```

Check if the server is properly installed or not.



Step 3 : Install PHP and related libraries.

We have to install PHP and libraries that are required by PHP to communicate with Apache server and Mysql server.

- libapache2-mod-php
- php-mysql

Run the following command to install PHP and related libraries.

```
apt-get install php libapache2-mod-php php-mysql
```

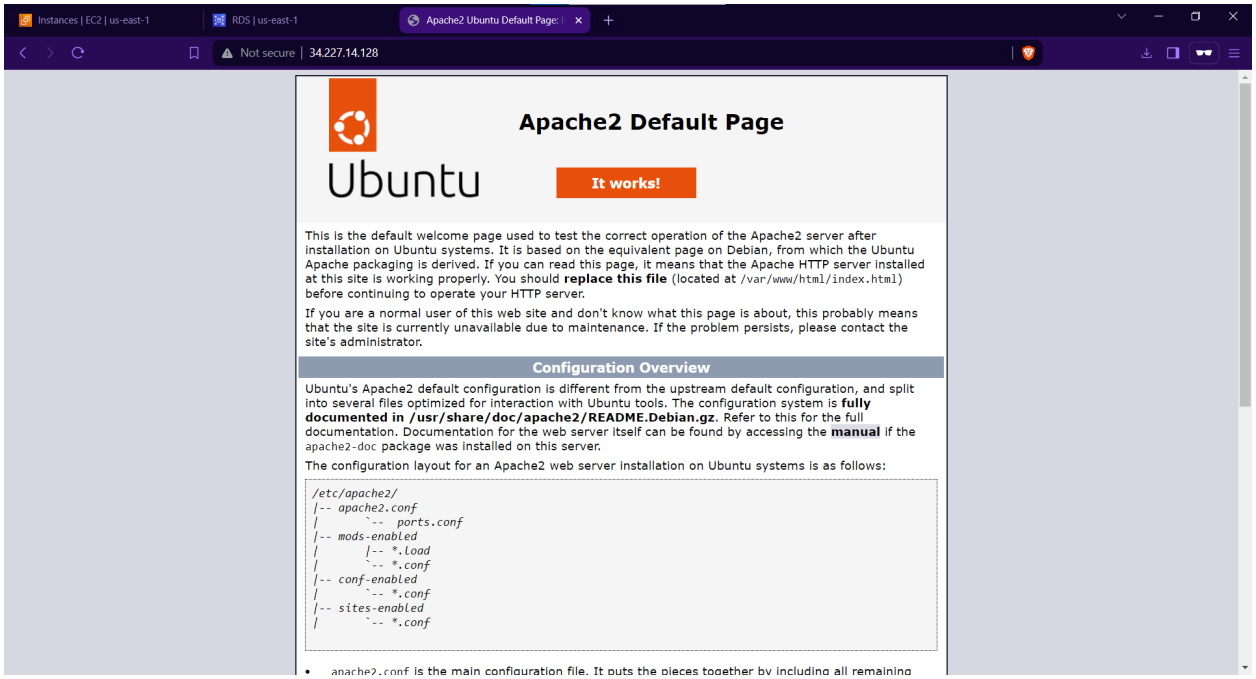
Step 4 : Final Configurations.

Create a file named ‘info.php’ in /var/www/html/ and add following content in that file.

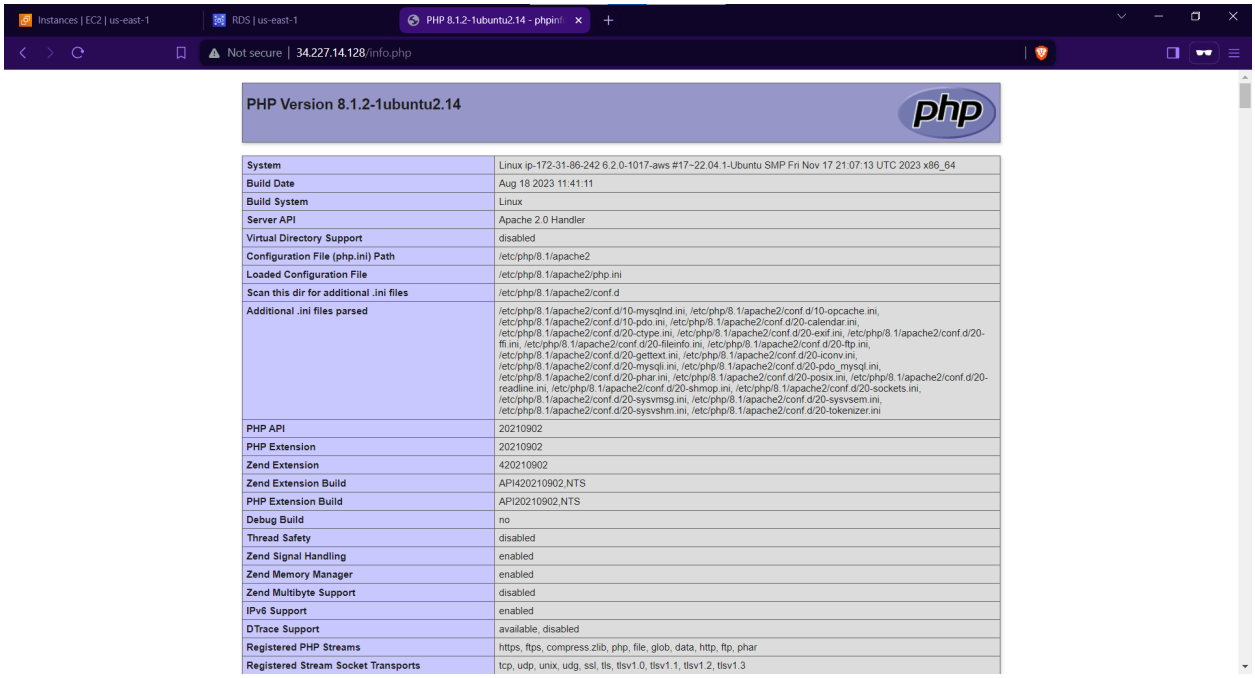
```
<?php phpinfo(); ?>
```

Save file and exit.

Now check whether everything is installed properly or not. To check the installation copy the public IP of the instance and paste it in a search bar of a browser.



Type /php.info at the end of the link in above image. This will redirect us to the PHP file we created in /var/www/html directory.



System	Linux ip-172-31-86-242 6.2.0-1017-aws #17~22.04.1-Ubuntu SMP Fri Nov 17 21:07:13 UTC 2023 x86_64
Build Date	Aug 18 2023 11:41:11
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-mysqlnd.ini, /etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-mysqli.ini, /etc/php/8.1/apache2/conf.d/20-pdo_mysql.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysvmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
Zend Extension Build	API420210902,NTS
PHP Extension Build	API20210902,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3

If you see this page on your browser, your installation is successful.