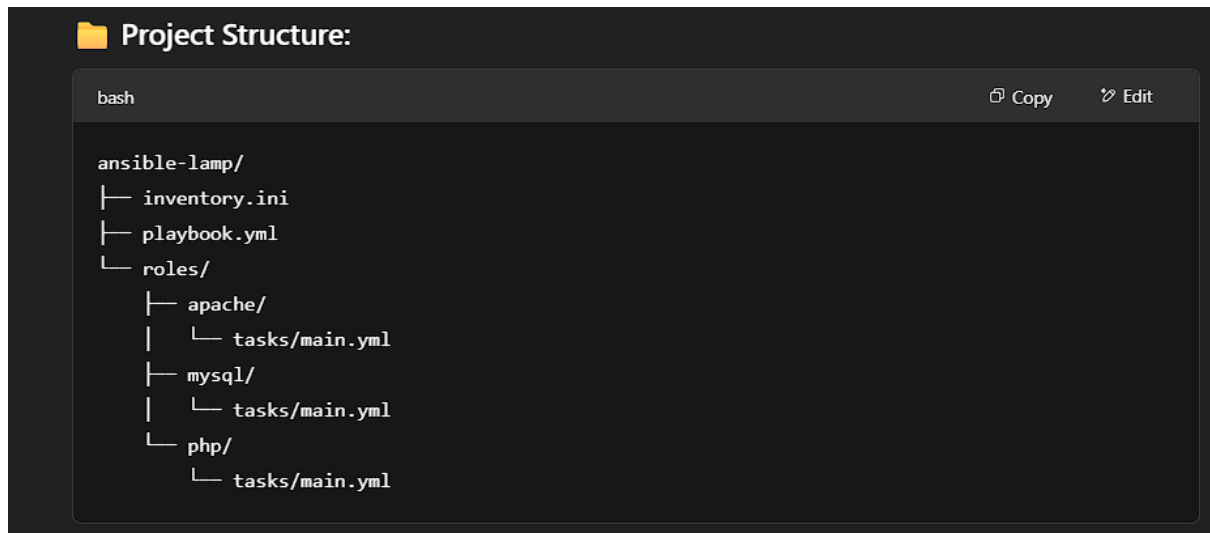


Project structure



Ansible has been configured and has been running without any errors.

```
ubuntu@ip-172-31-37-98:~/ansible-lamp$ ansible-playbook -i inventory.ini playbook.yml  
  
PLAY [Setup LAMP Stack] *****  
  
TASK [Gathering Facts] *****  
ok: [localhost]  
  
TASK [apache : Install Apache] *****  
ok: [localhost]  
  
TASK [apache : Start and enable Apache] *****  
ok: [localhost]  
  
TASK [mysql : Install MySQL server] *****  
ok: [localhost]  
  
TASK [mysql : Start and enable MySQL] *****  
ok: [localhost]  
  
TASK [php : Install PHP and modules] *****  
ok: [localhost]  
  
TASK [php : Restart Apache to load PHP] *****  
changed: [localhost]  
  
PLAY RECAP *****  
localhost : ok=7  changed=1  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0
```

Apache server starting automatically.

```
ubuntu@ip-172-31-37-98:~/ansible-lamp$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2025-05-28 12:28:53 UTC; 19min ago
     Docs: https://httpd.apache.org/docs/2.4/
  Process: 12421 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 12424 (apache2)
    Tasks: 7 (limit: 1129)
   Memory: 14.8M (peak: 15.1M)
      CPU: 113ms
   CGroup: /system.slice/apache2.service
           └─12424 /usr/sbin/apache2 -k start
             └─12431 /usr/sbin/apache2 -k start
               └─12432 /usr/sbin/apache2 -k start
                 └─12433 /usr/sbin/apache2 -k start
                   └─12434 /usr/sbin/apache2 -k start
                     └─12435 /usr/sbin/apache2 -k start
                       └─12444 /usr/sbin/apache2 -k start

May 28 12:28:53 ip-172-31-37-98 systemd[1]: Starting apache2.service - The Apache HTTP Server...
May 28 12:28:53 ip-172-31-37-98 systemd[1]: Started apache2.service - The Apache HTTP Server.
```

Mysql server starting automatically.

```
ubuntu@ip-172-31-37-98:~/ansible-lamp$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/usr/lib/systemd/system/mysql.service; enabled; preset: enabled)
   Active: active (running) since Wed 2025-05-28 12:28:15 UTC; 20min ago
 Main PID: 4773 (mysqld)
   Status: "Server is operational"
    Tasks: 37 (limit: 1129)
   Memory: 353.0M (peak: 377.8M)
      CPU: 6.144s
   CGroup: /system.slice/mysql.service
           └─4773 /usr/sbin/mysqld


May 28 12:28:14 ip-172-31-37-98 systemd[1]: Starting mysql.service - MySQL Community Server...
May 28 12:28:15 ip-172-31-37-98 systemd[1]: Started mysql.service - MySQL Community Server.
ubuntu@ip-172-31-37-98:~/ansible-lamp$
```

PHP webpage

← → ↺ ⚠ Not secure 54.165.234.174/info.php ☆ 📄 📁

Meet - zcc-epit-dfm

PHP Version 8.3.6



System	Linux ip-172-31-37-98 6.8.0-1024-aws #26-Ubuntu SMP Tue Feb 18 17:22:37 UTC 2025 x86_64
Build Date	Mar 19 2025 10:08:38
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php8.3/apache2
Loaded Configuration File	/etc/php8.3/apache2/php.ini
Scan this dir for additional .ini files	/etc/php8.3/apache2/conf.d
Additional .ini files parsed	/etc/php8.3/apache2/conf.d/10-mysqld.ini, /etc/php8.3/apache2/conf.d/10-opcache.ini, /etc/php8.3/apache2/conf.d/10-pdo.ini, /etc/php8.3/apache2/conf.d/20-calendar.ini, /etc/php8.3/apache2/conf.d/20-ctype.ini, /etc/php8.3/apache2/conf.d/20-curl.ini, /etc/php8.3/apache2/conf.d/20-dom.ini, /etc/php8.3/apache2/conf.d/20-fileinfo.ini, /etc/php8.3/apache2/conf.d/20-ftp.ini, /etc/php8.3/apache2/conf.d/20-gettext.ini, /etc/php8.3/apache2/conf.d/20-gmp.ini, /etc/php8.3/apache2/conf.d/20-iconv.ini, /etc/php8.3/apache2/conf.d/20-intl.ini, /etc/php8.3/apache2/conf.d/20-ldap.ini, /etc/php8.3/apache2/conf.d/20-ldaplite.ini, /etc/php8.3/apache2/conf.d/20-mbstring.ini, /etc/php8.3/apache2/conf.d/20-mcrypt.ini, /etc/php8.3/apache2/conf.d/20-mysql.ini, /etc/php8.3/apache2/conf.d/20-pdo_mysql.ini, /etc/php8.3/apache2/conf.d/20-posix.ini, /etc/php8.3/apache2/conf.d/20-readline.ini, /etc/php8.3/apache2/conf.d/20-shmop.ini, /etc/php8.3/apache2/conf.d/20-sockets.ini, /etc/php8.3/apache2/conf.d/20-sysmsg.ini, /etc/php8.3/apache2/conf.d/20-syssem.ini, /etc/php8.3/apache2/conf.d/20-sysshm.ini, /etc/php8.3/apache2/conf.d/20-sysvshm.ini, /etc/php8.3/apache2/conf.d/20-tokenizer.ini
PHP API	20230831
PHP Extension	20230831
Zend Extension	420230831
Zend Extension Build	API420230831.NTS
PHP Extension Build	API20230831.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
Zend Max Execution Timers	disabled
IPv6 Support	enabled

Commands:

```
ansible-playbook -i inventory.ini playbook.yml
```

```
sudo apt update && sudo apt install python3 -y
```

```
sudo apt update
```

```
sudo apt install ansible -y
```

```
chmod +x setup-ansible-lamp.sh
```

```
./setup-ansible-lamp.sh
```