# Automate the setup of Linux, Apache, MySQL, and PHP on multiple servers

### 1)create all directories and files

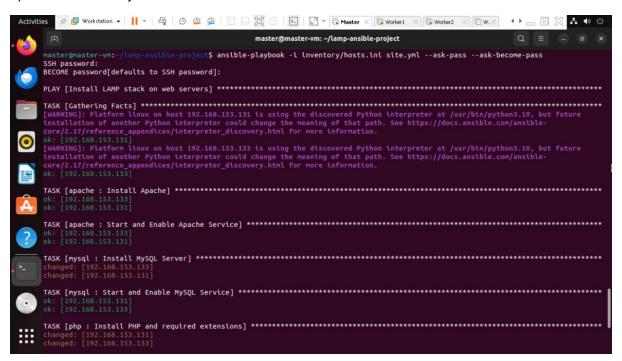
```
master@master-vm:-/Desktop$ mkdir -p ~/lamp-ansible-project/inventory
mkdir -p ~/lamp-ansible-project/roles/{apache,mysql,php,firewall}/tasks
mkdir -p ~/lamp-ansible-project/roles/php/files
cd ~/lamp-ansible-project
master@master-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amster-vm:-//amsteremaster-vm:-//amsteremaster-vm:-//amsteremaste
     master@master-vm:-/lamp-ansible-project$ nano inventory/hosts.ini
master@master-vm:-/lamp-ansible-project$ nano site.yml
master@master-vm:-/lamp-ansible-project$ nano roles/apache/tasks/main.yml
master@master-vm:-/lamp-ansible-project$ nano roles/mysql/tasks/main.yml
master@master-vm:-/lamp-ansible-project$ nano roles/php/tasks/main.yml
master@master-vm:-/lamp-ansible-project$ nano roles/php/files/index.php
master@master-vm:-/lamp-ansible-project$ nano roles/firewall/tasks/main.yml
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                $ cd ~/lamp-ansible-project
  master@master-vm:
```

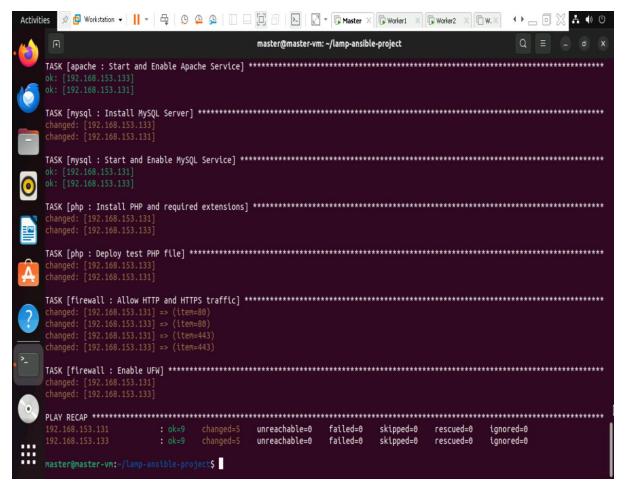
## 2) check for the ping

```
HARNING]: Platform linux on host 192.168.153.133 is using the discovered Python interpreter at /usr/bin/python3.10, but future istallation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-ire/2.17/reference_appendices/interpreter_discovery.html for more information.

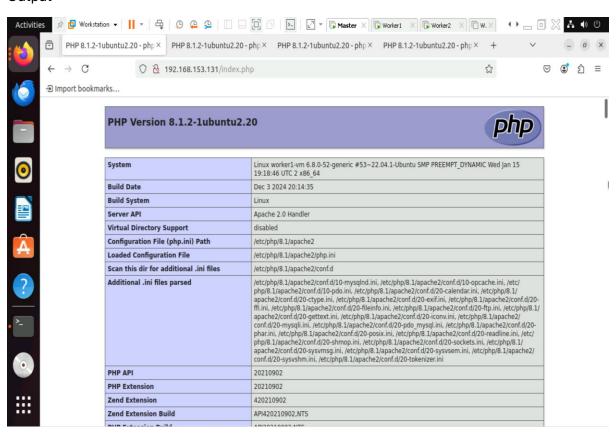
"ansible_facts": {
    "discovered" is the preter is a subject to the path of the path of
MARNING]: Platform linux on host 192.168.153.131 is using the discovered Python interpreter at /usr/bin/python3.10, but future nstallation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-ore/2.17/reference_appendices/interpreter_discovery.html for more information.
92.168.153.131 | SUCCESS => {
   "ansible_facts": {
     "discovered_interpreter_python": "/usr/bin/python3.10"
```

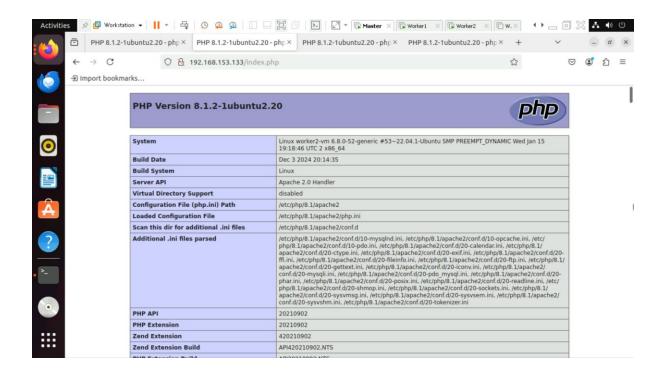
### 3) Now run the site.yml file





## Output





```
master@master-vm:~/lamp-ansible-project$ curl -I http://192.168.153.131
HTTP/1.1 200 OK
Date: Fri, 28 Mar 2025 13:16:54 GMT
Server: Apache/2.4.52 (Ubuntu)
Last-Modified: Fri, 28 Mar 2025 06:33:57 GMT
ETaq: "29af-63161414f2224"
Accept-Ranges: bytes
Content-Length: 10671
Vary: Accept-Encoding
Content-Type: text/html
master@master-vm:~/lamp-ansible-project$ curl -I http://192.168.153.133
HTTP/1.1 200 OK
Date: Fri, 28 Mar 2025 13:17:01 GMT
Server: Apache/2.4.52 (Ubuntu)
Last-Modified: Fri, 28 Mar 2025 06:34:02 GMT
ETag: "29af-6316141a13dd9"
Accept-Ranges: bytes
Content-Length: 10671
Vary: Accept-Encoding
Content-Type: text/html
```

