

Project on Ansible

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Problem Statement: Configure the below script in another host using ansible playbook.

```
sudo apt-get update

sudo apt install apache2 php libapache2-mod-php php-mysql php-curl php-
gd php-mbstring php-xml php-xmlrpc unzip -y

cd /var/www/html/
sudo rm -f index.html
sudo a2enmod rewrite
cd html
sudo wget https://wordpress.org/latest.zip
sudo unzip latest.zip
sudo mv wordpress/* /var/www/html/
sudo chown -R www-data:www-data /var/www/html
sudo find /var/www/html -type d -exec chmod g+s {} \;
sudo chmod g+w /var/www/html/wp-content
sudo chmod -R g+w /var/www/html/wp-content/themes
sudo chmod -R g+w /var/www/html/wp-content/plugins
cd /etc/apache2/sites-available/
sudo cp 000-default.conf domain.com.conf
sudo vim domain.com.conf

.....
ServerName domain.com
ServerAlias www.domain.com
ServerAdmin webmaster@localhost
DocumentRoot /var/www/html

.....
....

sudo a2ensite domain.com.conf
sudo a2disssite 000-default.conf
sudo systemctl restart apache2
```

Solution:

Playbook.yml

```
---
- hosts: webserver
  become: yes
  tasks:
    - name: configuring the apache2
      shell: |
        apt update
    - name: Install Apache HTTPD
      apt:
        name:
          - apache2
          - php
          - libapache2-mod-php
          - php-mysql
          - php-curl
          - php-gd
          - php-mbstring
          - php-xml
          - php-xmlrpc
          - unzip
        state: present
      tags:
        - install

    - name: configuring the apache2
      shell: |
        cd /var/www/html/
        rm -f index.html
        a2enmod rewrite
        cd html
        wget https://wordpress.org/latest.zip
        unzip latest.zip
        mv wordpress/* /var/www/html/
        chown -R www-data:www-data /var/www/html
        find /var/www/html -type d -exec chmod g+s {} \;
        chmod g+w /var/www/html/wp-content
        chmod -R g+w /var/www/html/wp-content/themes
        chmod -R g+w /var/www/html/wp-content/plugins
        cd /etc/apache2/sites-available/
        cp 000-default.conf domain.com.conf

    - name: copying file
```

```

copy:
  src: /etc/apache2/sites-available/domain.com.conf
  dest: work/domain.com.conf

- name: configuring the apache2
  shell: |
    a2ensite domain.com.conf
    a2dissite 000-default.conf

- name: Restart apache
  service:
    name: apache2
    state: restarted

```

Output:

```

The authenticity of host '172.31.21.131 (172.31.21.131)' can't be established.
ED25519 key fingerprint is SHA256:XWyrDuD+jc2Iejh19NCwlabgeo04DDCwOGJ2p/0knyA.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
172.31.21.131 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-31-18-207:~$ ansible-playbook play.yml

PLAY [webserver] *****

TASK [Gathering Facts] *****
ok: [172.31.21.131]

TASK [configuring the apache2] *****
changed: [172.31.21.131]

TASK [Install Apache HTTPD] *****
changed: [172.31.21.131]

TASK [configuring the apache2] *****
changed: [172.31.21.131]

TASK [copying file] *****
changed: [172.31.21.131]

TASK [configuring the apache2] *****
changed: [172.31.21.131]

TASK [Restart apache] *****
changed: [172.31.21.131]

PLAY RECAP *****
172.31.21.131 : ok=7  changed=6  unreachable=0  failed=0  s
kipped=0  rescued=0  ignored=0

ubuntu@ip-172-31-18-207:~$

```