

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 a2dissite 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
```