**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

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- 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