

Local.yml

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- hosts: localhost
  become: yes
  tasks:
    - name: Install Apache
      ansible.builtin.apt:
        name: apache2
        state: present
    - name: Start the apache2 services
      ansible.builtin.service:
        name: apache2
        state: started
        enabled: true

    - name: Create uploads folder
      ansible.builtin.file:
        path: /var/www/html/uploads
        state: directory
        owner: root
        group: root
        mode: '0777'

    - name: Copy index.php
      ansible.builtin.copy:
        src: www/index.php
        dest: /var/www/html/index.php

    - name: Copy favicon.ico
      ansible.builtin.copy:
        src: www/favicon.ico
        dest: /var/www/html/favicon.ico

    - name: Copy style.css
      ansible.builtin.copy:
        src: www/style.css
        dest: /var/www/html/style.css

    - name: Copy conn.php
      ansible.builtin.copy:
        src: www/conn.php
        dest: /var/www/html/conn.php

    - name: Copy create_thread.php
      ansible.builtin.copy:
        src: www/create_thread.php
        dest: /var/www/html/create_thread.php

    - name: Copy view_forum.php
```

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ansible.builtin.copy:
  src: www/view_forum.php
  dest: /var/www/html/view_forum.php

- name: Copy view_thread.php
  ansible.builtin.copy:
    src: www/view_thread.php
    dest: /var/www/html/view_thread.php

- name: Install MariaDB server
  ansible.builtin.apt:
    name: mariadb-server
    state: present

- name: Start and enable MariaDB service
  ansible.builtin.service:
    name: mariadb
    state: started
    enabled: true

- name: Ensure pip is installed
  ansible.builtin.apt:
    name: python3-pip
    state: present

- name: Install PyMySQL
  ansible.builtin.pip:
    name: PyMySQL
    state: present

- name: Create .my.cnf for MySQL authentication
  ansible.builtin.copy:
    dest: "~/.my.cnf"
    content: |
      [client]
      user=root
      password=kjak2kjak
      mode: '0600'
  become: yes

- name: Set root password for MySQL/MariaDB
  ansible.builtin.mysql_user:
    name: root
    password: kjak2kjak
    login_user: root
    check_implicit_admin: yes
    host_all: yes
```

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- name: Ensure the database 'kjakdb' exists
  ansible.builtin.mysql_db:
    name: kjakdb
    state: present
    login_user: root
    login_password: kjak2kjak

- name: Ensure the kjakdb user exists with privileges
  ansible.builtin.mysql_user:
    name: kjak_user
    password: kjak2kjak
    priv: 'kjakdb.*:ALL'
    state: present
    login_user: root
    login_password: kjak2kjak

- name: Copy SQL script to target machine
  ansible.builtin.copy:
    src: sql/kjakdb.sql
    dest: /tmp/kjakdb.sql

- name: Import SQL script into kjakdb database
  ansible.builtin.mysql_db:
    name: kjakdb
    state: import
    target: /tmp/kjakdb.sql
    login_user: root
    login_password: kjak2kjak

- name: Copy check and update script on kjakdb
  ansible.builtin.copy:
    src: sh/update_kjakdb.sh
    dest: /tmp/update_kjakdb.sh
    mode: '0755'

- name: Execute the update script on kjakdb
  ansible.builtin.command:
    cmd: /tmp/update_kjakdb.sh
```