

Ansible Playbook - Web Server Setup

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# Ansible Playbook - Web Server Setup

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- name: Configure Web Servers
  hosts: webservers
  become: true
  vars:
    nginx_port: 80
    app_user: deploy

  tasks:
    - name: Install nginx
      apt:
        name: nginx
        state: present
        update_cache: yes

    - name: Copy nginx config
      template:
        src: templates/nginx.conf.j2
        dest: /etc/nginx/nginx.conf
      notify: Restart nginx

    - name: Enable UFW firewall
      ufw:
        rule: allow
        port: "{{ nginx_port }}"
        proto: tcp

    - name: Create app directory
      file:
        path: /var/www/app
        state: directory
        owner: "{{ app_user }}"
        mode: "0755"

    - name: Deploy application
      copy:
        src: files/app/
        dest: /var/www/app/
        owner: "{{ app_user }}"

    - name: Start nginx
      service:
        name: nginx
        state: started
        enabled: yes

  handlers:
    - name: Restart nginx
      service:
        name: nginx
        state: restarted
```