■ Ansible WordPress + phpMyAdmin Deployment Guide

This professional deployment guide details the automated setup of a full WordPress + phpMyAdmin environment using Ansible. It configures Nginx, PHP-FPM, SSL with Certbot, and SFTP access — all from a single playbook.

■ Project Structure

ansible_wordpress/ ■■■ ansible.cfg ■■■ group_vars/ ■ ■■■ web.yml ■■■ inventory/ ■ ■■■ hosts ■■■ roles/ ■ ■■■ nginx/ ■ ■ ■■■ tasks/ ■ ■ ■ ■■■ main.yml ■ ■ ■ ■■■ ssl.yml ■ ■ ■■■ templates/ ■ ■ ■■■ phpmyadmin.conf.j2 ■ ■ ■■■ wordpress.conf.j2 ■ ■■■ php/ ■ ■ ■■■ tasks/main.yml ■ ■■■ phpmyadmin/ ■ ■ ■■■ tasks/main.yml ■ ■■■ sftp_user/ ■ ■ ■■■ tasks/main.yml ■ ■■■ wordpress/ ■ ■■■ tasks/main.yml ■ ■■■ templates/wp-config.php.j2 ■■■ site.yml

■■ Features

- Automated WordPress installation and configuration
- phpMyAdmin deployment under /phpMyAdmin
- Nginx setup with SSL (Let's Encrypt / Certbot)
- PHP-FPM configuration and optimization
- SFTP user creation with chroot restrictions
- Automatic SSL renewal
- Dynamic variable-based setup for easy scaling

■ Variables (group_vars/web.yml)

server_ip: "13.127.64.74" domain_name: "muhammedfasilp07.info" wordpress_root: "/home/fasil/webfasil/public/wordpress" wordpress_db_name: "wpdb" wordpress_db_user: "fasilwpsr" wordpress_db_password: "your_db_password" phpmyadmin_root: "/home/fasil/webfasil/public/phpMyAdmin" sftp_username: "fasil" sftp_password: "your_sftp_password" sftp_directory: "/home/fasil/webfasil/public"

■■ Deployment Steps

1. 1■■ Update the inventory file with your server IP and SSH credentials.
2. 2■■ Adjust variables in group_vars/web.yml to match your environment.
3. 3■■ Run the Ansible playbook: ansible-playbook -i inventory/hosts site.yml.
4. 4■■ Verify deployment:
5. - WordPress → https://
6. - phpMyAdmin → https:///phpMyAdmin

■ SSL & Security

- Certbot automatically issues and renews SSL certificates. - All HTTP traffic is redirected to HTTPS. - Access to hidden files (.ht*) is blocked. - Redirect added for /wp-admin/install.php:

location = /wp-admin/install.php { return 301 https://{{ domain_name }}; }

■ SFTP Access

Host: {{ domain_name }} Protocol: SFTP Username: fasil Password: your_sftp_password Port: 22 Remote Directory: /home/fasil/webfasil/public/

■ Maintenance Commands

- sudo nginx -t # Test Nginx configuration
- sudo systemctl reload nginx # Reload Nginx service
- sudo certbot renew --dry-run # Test SSL renewal
- sudo systemctl restart php-fpm # Restart PHP-FPM

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