

AI-02030 Wordpress Install Commands

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Tags	Project
Created time	@August 29, 2025 2:52 AM

I need to install Wordpress to Ubuntu Server running on Hyper-V server. The Ubuntu server is now up and running and updated and needed the following:

1. **mysql**
2. **PHP**
3. **Apache2**
4. **Wordpress**

List all the sudo commands I need to accomplish the installation so that Wordpress opens to the login page.

Install and Configure Wordpress on Ubuntu Server

The following is a list of commands you'll need to install and configure WordPress on your Ubuntu server running on Hyper-V. This guide assumes you have a clean installation of Ubuntu Server.

1. Install Apache2, MySQL, and PHP

First, you need to install the core components of the LAMP (Linux, Apache, MySQL, PHP) stack. This includes the Apache web server, MySQL database server, and PHP along with necessary extensions for WordPress to function.

Bash

```
sudo apt update  
sudo apt upgrade
```

```
sudo apt install apache2 mysql-server php libapache2-mod-php php-mysql php-cli php-curl php-gd php-mbstring php-xml php-xmlrpc php-soap php-intl php-zip
```

After the installation is complete, start and enable Apache and MySQL to run on boot.

Bash

```
sudo systemctl start apache2
sudo systemctl enable apache2
sudo systemctl start mysql
sudo systemctl enable mysql
```

Run the MySQL secure installation script to set a root password and secure your MySQL installation.

Bash

```
sudo mysql_secure_installation
```

Follow the on-screen prompts to set a strong password for the root user and answer 'Y' to all security questions.

2. Create a MySQL Database for WordPress

Log in to the MySQL command prompt using the root user.

Bash

```
sudo mysql -u root -p
```

Once logged in, create a new database and a new user for WordPress. Replace `wordpress_db`, `wordpress_user`, and `your_password` with your desired database name, username, and a strong password.

SQL

```
CREATE DATABASE wordpress_db;
CREATE USER 'wordpress_user'@'localhost' IDENTIFIED BY 'your_password';
GRANT ALL PRIVILEGES ON wordpress_db.* TO 'wordpress_user'@'localhost';
FLUSH PRIVILEGES;
EXIT;
```

3. Download and Configure WordPress

Navigate to the temporary directory and download the latest version of WordPress.

Bash

```
cd /tmp  
wget https://wordpress.org/latest.tar.gz
```

Extract the downloaded file and move the contents to the web server's document root directory, which is typically `/var/www/html/`.

Bash

```
tar -xzf latest.tar.gz  
sudo rsync -avP /tmp/wordpress/ /var/www/html/
```

Set the correct permissions for the WordPress files so that the web server can read and write to them.

Bash

```
sudo chown -R www-data:www-data /var/www/html/  
sudo chmod -R 755 /var/www/html/
```

Now, configure the WordPress site by creating the configuration file from the sample file.

Bash

```
sudo cp /var/www/html/wp-config-sample.php /var/www/html/wp-config.php
```

Edit the `wp-config.php` file to include your database details.

Bash

```
sudo nano /var/www/html/wp-config.php
```

Find the following lines and update them with the database name, user, and password you created earlier:

PHP

```
define('DB_NAME', 'wordpress_db');  
define('DB_USER', 'wordpress_user');  
define('DB_PASSWORD', 'your_password');
```

Save and close the file.

4. Finalizing Installation

Open your web browser and navigate to the IP address of your Ubuntu server. You should now see the WordPress installation page. Follow the on-screen instructions to complete the setup, which includes creating your administrator account, and your WordPress site will be ready to use.