

# GNU/Linux Administration - Support #974

## Install Wordpress on Debian

07/13/2022 10:46 PM - Daniel Curtis

|                        |               |                        |            |
|------------------------|---------------|------------------------|------------|
| <b>Status:</b>         | Resolved      | <b>Start date:</b>     | 07/13/2022 |
| <b>Priority:</b>       | Normal        | <b>Due date:</b>       |            |
| <b>Assignee:</b>       | Daniel Curtis | <b>% Done:</b>         | 100%       |
| <b>Category:</b>       | Web Server    | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b> | Debian        | <b>Spent time:</b>     | 0.00 hour  |

### Description

This is a simple guide for setting up WordPress with nginx on Debian 10.

- Make sure the system is up to date:

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

### Install Nginx

- Install nginx:

```
sudo apt install nginx
```

- Start and enable nginx at boot:

```
sudo systemctl nginx enable  
sudo systemctl nginx start
```

### Install PHP

- Install php-fpm and extensions:

```
sudo apt install php-fpm php-common php-gd php-getid3 php-mysql php7.3-cli php7.3-common php7.3-gd php7.3-json php7.3-mysql php7.3-openssl php7.3-readline
```

- Start and enable php-fpm:

```
sudo systemctl enable php7.3-fpm  
sudo systemctl start php7.3-fpm
```

### Install MariaDB

- Install MariaDB:

```
sudo apt install mariadb-server mariadb-client
```

- Secure the database server:

```
sudo mysql_secure_installation
```

- NOTE: I had an issue logging in as root, to workaround this:

```
sudo systemctl stop mariadb
sudo mysqld_safe --skip-grant-tables --skip-networking
mysql -u root
```

```
UPDATE mysql.user SET plugin = 'mysql_native_password' WHERE user = 'root' AND plugin = 'u
nix_socket';
FLUSH PRIVILEGES;
```

```
sudo kill -9 $(pgrep mysql)
```

```
sudo systemctl start mariadb
```

## Configure a new MySQL database

- Log into the MySQL console:

```
mysql -h localhost -u root -p
```

- Create the wordpressuser user with the SuperSecretPassword password and the wordpressdb database:

```
CREATE USER 'wordpressuser'@'localhost' IDENTIFIED BY 'SuperSecretPassword';
CREATE DATABASE IF NOT EXISTS `wordpressdb` CHARACTER SET utf8 COLLATE utf8_general_ci;
GRANT ALL PRIVILEGES ON `wordpressdb`.* TO 'wordpressuser'@'localhost';
flush privileges;
exit
```

## Install Wordpress

- Install git:

```
sudo apt install git
```

- Download wordpress:

```
cd /var/www
sudo git clone -b 6.0-branch --depth=1 https://github.com/WordPress/WordPress.git
```

- Create the nginx config:

```
sudo nano /etc/nginx/sites-enabled/wordpress.conf
```

- And add the following:

```
server {
    listen      80;
    server_name wordpress-example.com;
    root /var/www/wordpress;
    index index.php index.html index.htm;
    client_max_body_size 122400m;

    location / {
        try_files $uri $uri/ /index.php?q=$uri&$args;
    }
}
```

```
error_page      500 502 503 504  /50x.html;
location = /50x.html {
    root /usr/local/www/nginx-dist;
}

location ~ /\.php$ {
    try_files $uri =404;
    fastcgi_split_path_info ^(.+\.(php))(/.+)$;
    fastcgi_pass unix:/var/run/php/php7.3-fpm.sock;
    fastcgi_index index.php;
    fastcgi_param SCRIPT_FILENAME $request_filename;
    include fastcgi_params;
}
}
```

- Change the wordpress ownership:

```
sudo chown -R www-data:www-data /var/www/WordPress/
```

- Restart nginx:

```
sudo systemctl nginx restart
```

## History

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### #1 - 07/18/2022 03:53 PM - Daniel Curtis

- Description updated

### #2 - 04/10/2023 12:57 PM - Daniel Curtis

- % Done changed from 0 to 100

- Status changed from New to Resolved