

AWS NGINX WP Install (LEMP)

```
DEBIAN_FRONTEND=noninteractive && \
    apt-get --assume-yes update && \
```

WEBSERVER ONLY

```
#!/usr/bin/bash
sudo -s
apt update && apt -y upgrade
apt install -y nginx php-fpm php-mysql php-curl php-dom php-mbstring php-imagick php-zip unzip
memcached libmemcached-tools php-memcached
cd /var/www/
wget https://wordpress.org/latest.tar.gz
tar -xzf latest.tar.gz
rm latest.tar.gz
chown -R www-data:www-data wordpress/
find wordpress/ -type d -exec chmod 755 {} \;
find wordpress/ -type f -exec chmod 644 {} \;
=====
```

WEBSERVER AND DATABASESERVER COMBINED

```
#!/usr/bin/bash
sudo -s
apt update && apt -y upgrade
apt install -y nginx mariadb-server php-fpm php-mysql php-curl php-dom php-mbstring php-imagick
php-zip unzip memcached libmemcached-tools php-memcached
cd /var/www/
wget https://wordpress.org/latest.tar.gz
tar -xzf latest.tar.gz
rm latest.tar.gz
chown -R www-data:www-data wordpress/
find wordpress/ -type d -exec chmod 755 {} \;
find wordpress/ -type f -exec chmod 644 {} \;
=====
```

DATABASE SERVER ONLY

```
#!/usr/bin/bash
sudo -s
apt update && apt upgrade -y
apt install mariadb-server -y
systemctl enable mariadb.service
systemctl start mariadb.service

vim /etc/mysql/mariadb.conf.d/50-server.cnf
#bind-address          = 127.0.0.1

systemctl restart mariadb
=====
```

<https://www.linode.com/docs/guides/configure-wordpress-remote-database/>

```
sudo -s
mysql_secure_installation
```

Switch to unix_socket authentication [Y/n] n

Enter Current password for root (enter for none):
Set root password [Y]

l#4zupquif7&546JJ

```
Remove anonymous users [Y]
Disallow root login remotely [Y]
Remove test database and access to it [Y]
Reload privileges now [Y]
```

=====

```
mysql -u root -p
Enter password:
l#4zupquif7&546JJ
l#4zupquif7&546JJ
```

```
CREATE DATABASE wpdb;
CREATE USER 'wpuser'@'localhost' IDENTIFIED BY 'l#zwhip&&ZIP*#';
GRANT ALL PRIVILEGES ON wordpress.* TO 'wpuser'@'localhost';
-----
```

```
CREATE USER 'wpuser'@'10.0.0.0' IDENTIFIED BY 'l#zwhip&&ZIP*#';
```

```
#GRANT SELECT , INSERT , UPDATE , DELETE ON wordpress.* TO 'wpuser'@'10.0.0.0';
GRANT ALL PRIVILEGES ON wordpress.* TO 'wpuser'@'10.0.0.0';
```

```
FLUSH PRIVILEGES;
exit;
```

=====

```
mysql -u wpuser -h 10.0.0.165 -p
l#zwhip&&ZIP*#
status;
exit;
```

=====

```
sudo -s
nano /etc/nginx/sites-available/wordpress.conf
```

```
upstream php-handler {
    server unix:/var/run/php/php8.1-fpm.sock;
}
server {
    listen 80;
    server_name wp.mrifax.com;
    root /var/www/wordpress;
    index index.php;
    location / {
        try_files $uri $uri/ /index.php?$args;
    }
    location ~ \.php$ {
        include snippets/fastcgi-php.conf;
        fastcgi_pass php-handler;
    }
}
```

```
ln -s /etc/nginx/sites-available/wordpress.conf /etc/nginx/sites-enabled/
NOTE: /sites-available/default may override wordpress.conf site enabled.
```

```
rm /etc/nginx/sites-enabled/default
nginx -t

systemctl enable nginx
systemctl start nginx

nginx -s reload

or
reboot
=====
***** Entity too large Error *****

php.ini
line 850
upload_max_filesize = 20M
-----
nano /etc/nginx/nginx.conf
http {

    ### Added for WP Entity too large Error
    client_max_body_size 20M;

##
# `gzip` Settings
#
#
gzip on;
gzip_disable "msie6";

gzip_vary on;
gzip_proxied any;
gzip_comp_level 6;
gzip_buffers 16 8k;
gzip_http_version 1.1;

gzip_min_length 256;

gzip_types
    application/atom+xml
    application/geo+json
    application/javascript
    application/x-javascript
    application/json
    application/ld+json
    application/manifest+json
    application/rdf+xml
    application/rss+xml
    application/xhtml+xml
    application/xml
    font/eot
    font/otf
    font/ttf
    image/svg+xml
    text/css
    text/javascript
    text/plain
```

```
text/xml;
```

```
=====
systemctl restart nginx
reboot
```

```
WP Site Health
```

```
=====
LET's Encrypt
```

```
snap install core;
snap refresh core
```

```
snap install --classic certbot
ln -s /snap/bin/certbot /usr/bin/certbot
```

```
--- Final Let's Encrypt email and questions
certbot --nginx
```

```
systemctl list-timers
```

```
=====
aws configure
```

```
How to transfer files between AWS S3 and AWS EC2
https://kloudle.com/academy/how-to-transfer-files-between-aws-s3-and-aws-ec2
```

```
aws s3 ls s3://mrIService-bucket1 --recursive --human-readable
aws s3 ls s3://mrIService-bucket1 --recursive --human-readable --summarize
```

```
aws s3 cp s3://mrIService-bucket1/importbuddy.php ./importbuddy.php
```