1. Install Nginx

wiros4bleng@gendeng212:~$ sudo su
[sudo] password for wiros4bleng:
root@gendeng212:/home/wiros4bleng# add-apt-repository ppa:nginx/stable
root@gendeng212:/home/wiros4bleng# apt-get install nginx -y

2. Konfig Nginx

root@gendeng212:~# cp /dev/null /etc/nginx/nginx.conf
root@gendeng212:~# nano /etc/nginx/nginx.conf

Paste:

```
user www-data;
worker_processes auto;
pid /var/run/nginx.pid;
include /etc/nginx/modules-enabled/*.conf;

events {
}

http {

    include /etc/nginx/mime.types;
    default_type application/octet-stream;

    log_format main '$remote_addr - $remote_user [$time_local] "$request" '
    '$status $body_bytes_sent "$http_referer" '
    '"$http_user_agent" "$http_x_forwarded_for"';

    access_log /var/log/nginx/access.log main buffer=128k;
    error_log /var/log/nginx/error.log;
    log_not_found off;

    #gzip
    gzip on;
    gzip_disable "msie6";
    gzip_vary on;
    gzip_proxied any;
    gzip_comp_level 6;
    gzip_min_length 256;
    gzip_buffers 16 8k;
    gzip_http_version 1.1;

    gzip_types
    application/atom+xml
    application/javascript
    application/json
    application/rss+xml
    application/vnd.ms-fontobject
    application/x-font-ttf
```

```
    application/x-web-app-manifest+json
    application/xhtml+xml
    application/xml
    font/opentype
    image/svg+xml
    image/x-icon
    text/css
    text/plain
    text/x-component;

    #Cache information about frequently accessed files
    open_file_cache max=2000 inactive=20s;
    open_file_cache_valid 60s;
    open_file_cache_min_uses 5;
    open_file_cache_errors on;

    client_max_body_size 10m;
    client_body_buffer_size 128k;
    large_client_header_buffers 4 4k;
    client_body_timeout 60s;
    client_header_timeout 60s;
    keepalive_timeout 30s;
    keepalive_requests 20;

    send_timeout 60s;
    sendfile on;
    tcp_nopush on;
    tcp_nodelay on;
    #types_hash_max_size 2048;

    #Adjust output buffers
    fastcgi_buffers 4 12k;
    fastcgi_buffer_size 12k;
    fastcgi_send_timeout 30s;
    fastcgi_read_timeout 30s;
    fastcgi_max_temp_file_size 0;
    reset_timedout_connection on;
    server_names_hash_bucket_size 128;

    include /etc/nginx/sites-enabled/*;
    include /etc/nginx/conf.d/*.conf;

}
```

Ctrl + O (for save)
Ctrl + X (for quit)

root@gendeng212:~# cp /dev/null /etc/nginx/sites-enabled/default
root@gendeng212:~# nano /etc/nginx/sites-enabled/default

Paste:

```
server {
    listen 80;
    server_name localhost;
    root /usr/share/nginx/html;
    index index.php index.html;

    location / {
        #index  index.php index.html;
        try_files $uri $uri/ /index.php?$uri&$args;
    }


    location ~ [^/]\.php(/|$) {
        fastcgi_split_path_info ^(.+?\.php)(/.*)$;
        if (!-f $document_root$fastcgi_script_name) {
            return 404;
        }

        # Mitigate https://httpoxy.org/ vulnerabilities
        fastcgi_param HTTP_PROXY "";

        #fastcgi_pass 127.0.0.1:9000;
            # fastcgi_pass unix:/run/php/php7.1-fpm.sock;
            fastcgi_pass unix:/run/php/php5.6-fpm.sock;
        fastcgi_index index.php;
        fastcgi_read_timeout 60;
        include fastcgi_params;
    }

    location = /favicon.ico {
        access_log off; log_not_found off;
    }
    location = /robots.txt {
        access_log off; log_not_found off;
    }

    location /codeigniter {
        try_files $uri $uri/ /codeigniter/index.php?$uri&$args;
    }

    # start laravel
    location ^~ /laravel5 {
        alias /usr/share/nginx/html/laravel5/public;
        try_files $uri $uri/ @laravel5;

        location ~ \.php {
            include snippets/fastcgi-php.conf;
            fastcgi_pass unix:/run/php/php7.1-fpm.sock;
            fastcgi_param SCRIPT_FILENAME /usr/share/nginx/html/laravel5/public/index.php;
        }
    }
```

```
   location @laravel5 {
      rewrite /laravel5/(.*)$ /laravel5/index.php?/$1 last;
   }
   # end laravel5

}
```

Ctrl + O (for save)
Ctrl + X (for quit)

root@gendeng212:~# cp /etc/nginx/fastcgi.conf /etc/nginx/fastcgi_params
root@gendeng212:~# nginx -t
root@gendeng212:~# /etc/init.d/nginx restart

3. Install PHP

```
add-apt-repository ppa:ondrej/php
apt update
apt install php5.6 php5.6-mysql php5.6-curl php5.6-mcrypt php5.6-fpm php5.6-soap
php5.6-gd php5.6-curl php5.6-zip php5.6-bz2 php5.6-bcmath php5.6-xml php5.6-cgi
php5.6-cg php5.6-mbstring php5.6-igbinary php5.6-imagick php5.6-intl php5.6-
mcrypt php5.6-msgpack php5.6-mysqlnd php5.6-xdebug php5.6-xsl
```

4. Konfig PHP

Paste:

```
sed -i 's|pm.max_children = 5|pm.max_children = 50|g'
/etc/php/5.6/fpm/pool.d/www.conf
sed -i 's|pm.start_servers = 2|pm.start_servers = 5|g'
/etc/php/5.6/fpm/pool.d/www.conf
sed -i 's|pm.min_spare_servers = 1|pm.min_spare_servers = 3|g' /etc/php/5.6/fpm/
pool.d/www.conf
sed -i 's|pm.max_spare_servers = 3|pm.max_spare_servers = 10|g'
/etc/php/5.6/fpm/pool.d/www.conf
sed -i 's|;pm.max_requests = 500|pm.max_requests = 200|g'
/etc/php/5.6/fpm/pool.d/www.conf
chown -R www-data:root /var/lib/nginx && chmod g+s /var/lib/nginx
chown -R www-data:root /var/lib/php && chmod g+s /var/lib/php
chmod 755 /var/lib/php/sessions
chown -R www-data:root /var/run/php/ && chmod g+s /var/run/php
chown -R www-data:root /usr/lib/nginx/modules && chmod g+s
/usr/lib/nginx/modules
chown -R www-data:root /usr/lib/php/5.6 && chmod g+s /usr/lib/php
chown -R www-data:www-data /usr/lib/cgi-bin && chmod g+s /usr/lib/cgi-bin &&
chmod u+s /usr/lib/cgi-bin
chown -R www-data:www-data /usr/lib/php && chmod g+s /usr/lib/php && chmod u+s /
usr/lib/php
chown -R www-data:www-data /usr/lib/nginx && chmod g+s /usr/lib/nginx && chmod
u+s /usr/lib/nginx
sed -i 's|upload_max_filesize = 2M|upload_max_filesize = 32M|g'
/etc/php/5.6/fpm/php.ini
```

5. Restart PHP

root@gendeng212:~# /etc/init.d/php5.6-fpm restart