Laporan Tugas Akhir Sistem Terdistribusi

M Raihan Kanjul Adhim 1203210138

M Farhan Siregar   1203210108

1. Buat lxc baru dan konfigurasikan IP masing-masing lxc

```
root@DESKTOP-6JQ34U7:~# lxc-ls -f
NAME            STATE    AUTOSTART GROUPS IPV4        IPV6 UNPRIVILEGED
LXC_DB_SERVER   RUNNING  0         -      10.0.3.89   -    false
LXC_PHP5_1      RUNNING  0         -      10.0.3.102  -    false
LXC_PHP5_2      RUNNING  0         -      10.0.3.137  -    false
LXC_PHP7_1      RUNNING  0         -      10.0.3.222  -    false
LXC_PHP7_2      RUNNING  0         -      10.0.3.224  -    false
LXC_PHP7_3      RUNNING  0         -      10.0.3.200  -    false
LXC_PHP7_4      RUNNING  0         -      10.0.3.187  -    false
LXC_PHP7_5      RUNNING  0         -      10.0.3.23   -    false
LXC_PHP7_6      RUNNING  0         -      10.0.3.70   -    false
```

- sudo lxc-create -t download -n LXC_PHP7_1 -- -d ubuntu -r focal -a amd64
- sudo lxc-create -t download -n LXC_PHP7_2 -- -d ubuntu -r focal -a amd64
- sudo lxc-create -t download -n LXC_PHP7_3 -- -d ubuntu -r focal -a amd64
- sudo lxc-create -t download -n LXC_PHP7_4 -- -d ubuntu -r focal -a amd64
- sudo lxc-create -t download -n LXC_PHP7_5 -- -d ubuntu -r focal -a amd64
- sudo lxc-create -t download -n LXC_PHP7_6 -- -d ubuntu -r focal -a amd64

- sudo lxc-create -t download -n LXC_PHP5_1 -- -d debian -r buster -a amd64
- sudo lxc-create -t download -n LXC_PHP5_2 -- -d debian -r buster -a amd64

- sudo lxc-create -t download -n LXC_DB_SERVER -- -d debian -r buster -a amd64

2. Lakukan Langkah ini pada setiap LXC

- sudo lxc-attach -n LXC_PHP7_1 -- apt update
- sudo lxc-attach -n LXC_PHP7_1 -- apt install -y php7.4 php7.4-fpm openssh-server

- sudo lxc-attach -n LXC_PHP7_2 -- apt update
- sudo lxc-attach -n LXC_PHP7_2 -- apt install -y php7.4 php7.4-fpm openssh-server

- sudo lxc-attach -n LXC_PHP7_3 -- apt update
- sudo lxc-attach -n LXC_PHP7_3 -- apt install -y php7.4 php7.4-fpm openssh-server

- sudo lxc-attach -n LXC_PHP7_4 -- apt update
- sudo lxc-attach -n LXC_PHP7_4 -- apt install -y php7.4 php7.4-fpm openssh-server

- sudo lxc-attach -n LXC_PHP7_5 -- apt update
- sudo lxc-attach -n LXC_PHP7_5 -- apt install -y php7.4 php7.4-fpm openssh-server

- sudo lxc-attach -n LXC_PHP7_6 -- apt update
- sudo lxc-attach -n LXC_PHP7_6 -- apt install -y php7.4 php7.4-fpm openssh-server

- sudo lxc-attach -n LXC_PHP5_1 -- apt-get install -y software-properties-common apt-transport-https lsb-release ca-certificates
- sudo lxc-attach -n LXC_PHP5_1 -- wget -O /etc/apt/trusted.gpg.d/php.gpg https://packages.sury.org/php/apt.gpg
- sudo lxc-attach -n LXC_PHP5_1 -- sh -c 'echo "deb https://packages.sury.org/php/ $(lsb_release -sc) main" > /etc/apt/sources.list.d/php.list'
- sudo lxc-attach -n LXC_PHP5_1 -- apt update

- sudo lxc-attach -n LXC_PHP5_2 -- apt-get install -y software-properties-common apt-transport-https lsb-release ca-certificates
- sudo lxc-attach -n LXC_PHP5_2 -- wget -O /etc/apt/trusted.gpg.d/php.gpg https://packages.sury.org/php/apt.gpg
- sudo lxc-attach -n LXC_PHP5_2 -- sh -c 'echo "deb https://packages.sury.org/php/ $(lsb_release -sc) main" > /etc/apt/sources.list.d/php.list'
- sudo lxc-attach -n LXC_PHP5_2 -- apt update

- sudo lxc-attach -n LXC_PHP5_1 -- apt install php5.6 php5.6-fpm php5.6-cli php5.6-json
- sudo lxc-attach -n LXC_PHP5_2 -- apt install php5.6 php5.6-fpm php5.6-cli php5.6-json

- sudo lxc-attach -n LXC_DB_SERVER -- apt update
- sudo lxc-attach -n LXC_DB_SERVER -- apt install mariadb-server
- sudo lxc-attach -n LXC_DB_SERVER -- systemctl start mariadb
- sudo lxc-attach -n LXC_DB_SERVER -- mysql_secure_installation

- sudo apt install openssh-server python
- apt install nano
- cd /etc/ssh
- nano sshd_config

- tambahkan

- PermitRootLogin yes

- sudo service sshd restart

- passwd

- set passwd bebas

- exit

- ssh root@ip lxc

3. Dan kemudian pergi ke 'nano host' untuk mengklasifikasikan setiap lxc seperti skema di bawah

```
root@DESKTOP-6JQ34U7:~/ansible/TUBES# cat host
[yii2_containers]
LXC_PHP7_1 ansible_host=10.0.3.222 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_2 ansible_host=10.0.3.224 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_4 ansible_host=10.0.3.187 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_5 ansible_host=10.0.3.23 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_6 ansible_host=10.0.3.70 ansible_ssh_user=root ansible_become_pass=Hans


[wordpress]
LXC_PHP7_2 ansible_host=10.0.3.224 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_3 ansible_host=10.0.3.200 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_4 ansible_host=10.0.3.187 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_5 ansible_host=10.0.3.23 ansible_ssh_user=root ansible_become_pass=Hans

[lxc_php_7]
LXC_PHP7_1 ansible_host=10.0.3.222 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_2 ansible_host=10.0.3.224 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_3 ansible_host=10.0.3.200 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_4 ansible_host=10.0.3.187 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_5 ansible_host=10.0.3.23 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP7_6 ansible_host=10.0.3.70 ansible_ssh_user=root ansible_become_pass=Hans

[lxc_php_5]
LXC_PHP5_1 ansible_host=10.0.3.102 ansible_ssh_user=root ansible_become_pass=Hans
LXC_PHP5_2 ansible_host=10.0.3.137 ansible_ssh_user=root ansible_become_pass=Hans

[lxc_db]
LXC_DB_SERVER ansible_host=10.0.3.89 ansible_ssh_user=root ansible_become_pass=Hans
```

- cd ~/tubes/inventories
- nano hosts

4. Lalu membuat file
   - ⭘ nano install-ci.yml //for code igniter
   - ⭘ nano install-laravel.yml //for laravel
   - ⭘ nano install-wp.yml //for wordpress
   - ⭘ nano install-yii.yml //for yii2.0
   - ⭘ nano install-mariadb.yml //for phpMyAdmin

```
root@MSI:~/tubes/inventories# ls
hosts  install-ci.yml  install-laravel.yml  install-mariadb.yml  install-wp.yml  install-yii.yml
```

```
  GNU nano 6.2
- hosts : ci
  vars:
    git_url: 'http://github.com/aldonesia/sas-ci'
    destdir: '/var/www/html/ci'
    domain : 'lxc_php5.dev'
  roles:
    - app
```

```
  GNU nano 6.2
---
- hosts: Laravel
  vars:
    username: 'admin'
    password: '1203210131'
    domain: '10.0.3.187'
  roles:
    - php
    - lv
```

```
GNU nano 6.2
- hosts: database
  vars:
    username: 'admin'
    password: '1203210131'
    domain: '10.0.3.59'
  roles:
    - db
    - pma
```

```
GNU nano 6.2
---
- hosts: Wordpress
  vars:
    username: 'admin'
    password: '1203210131'
    domain: '10.0.3.204'
  roles:
    - wp
```

```
GNU nano 6.2
---
- hosts: yii2
  vars:
    username: 'admin'
    password: '1203210131'
    domain: 'lxc_php7_10.dev'
  roles:
    - yii
```

5. Setelah selesai lakukan seperti ini
   - cd /roles/ci/tasks
   - nano main.yml

```yaml
---
- name: delete apt chache
  become: yes
  become_user: root
  become_method: su
  command: rm -vf /var/lib/apt/lists/*

- name: install requirement dpkg to install php5
  become: yes
  become_user: root
  become_method: su
  apt: name={{ item }} state=latest update_cache=true
  with_items:
    - python
    - ca-certificates
    - apt-transport-https
    - wget
    - curl
    - python-apt
    - software-properties-common
    - git

- name: Add key
  apt_key:
    url: https://packages.sury.org/php/apt.gpg
    state: present

- name: Add Php Repository
  apt_repository:
    repo: "deb https://packages.sury.org/php/ stretch main"
    state: present
    filename: php.list
    update_cache: true

- name: install nginx php5
  become: yes
  become_user: root
```

```
GNU nano 6.2                                                            main.yml
  become_method: su
  apt: name={{ item }} state=latest update_cache=true
  with_items:
    - nginx
    - nginx-extras
    - php5.6
    - php5.6-fpm
    - php5.6-common
    - php5.6-cli
    - php5.6-curl
    - php5.6-mbstring
    - php5.6-mysqlnd
    - php5.6-xml

- name: Git clone repo sas-ci
  become: yes
  git:
    repo: '{{ git_url }}'
    dest: "{{ destdir }}"

- name: Copy app.conf
  template:
    src=template/app.conf
    dest=/etc/nginx/sites-available/{{ domain }}
  vars:
    servername: '{{ domain }}'

- name: Delete another nginx config
  become: yes
  become_user: root
  become_method: su
  command: rm -f /etc/nginx/sites-enabled/*

- name: Symlink app.conf
  command: ln -sfn /etc/nginx/sites-available/{{ domain }} /etc/nginx/sites-enabled/{{ domain }}
  notify:
    - restart nginx
```

- cd ../templates
- nano app.conf

```
GNU nano 6.2                                                            app.conf
server {
  listen 80;
  server_name {{servername}};
  root {{ destdir }};
  index index.php;
  location / {
      try_files $uri $uri/ /index.php?$query_string;
  }
  location ~ \.php$ {
      fastcgi_pass unix:/run/php/php5.6-fpm.sock;
      fastcgi_index index.php;
      fast_param SCRIPT_FILENAME {{ desstdir }}$fastcgi_script_name;
      include fastcgi_params;
  }
}
```

- cd ../handlers
- nano main.yml

```
GNU nano 6.2                                                              main.yml
---
- name: restart nginx
  become: yes
  become_user: root
  become_method: su
  action: service name=nginx state=restarted

- name: restart php
  become: yes
  become_user: root
  become_method: su
  action: service name=php5.6-fpm state=restarted
```

- cd ../../
- cd php/tasks
- nano main.yml

```
GNU nano 6.2
---
- name: delete apt chache
  become: yes
  become_user: root
  become_method: su
  command: rm -vf /var/lib/apt/lists/*

- name: install php
  become: yes
  become_user: root
  become_method: su
  apt: name={{ item }} state=latest update_cache=tru
  with_items:
    - gtkhash
    - crack-md5
    - git
    - curl
    - nginx
    - nginx-extras
    - php7.4
    - php7.4-fpm
    - php7.4-curl
    - php7.4-xml
    - php7.4-gd
    - php7.4-opcache
    - php7.4-mbstring
    - php7.4-zip
    - php7.4-json
    - php7.4-cli

- name: enable module php mbstring
  command: phpenmod mbstring
  notify:
    - restart php
```

- cd ../handlers
- nano main.yml

```
GNU nano 6.2
---
- name: restart php
  become: yes
  become_user: root
  become_method: su
  action: service name=php7.4-fpm state=restarted
```

- cd ../../
- cd lv/tasks

- nano main.yml

```
GNU nano 6.2                                          main.yml
---
- name: delete apt chache
  become: yes
  become_user: root
  become_method: su
  command: rm -vf /var/lib/apt/lists/*

- name: Download and install Composer
  shell: curl -sS https://getcomposer.org/installer | php
  args:
    chdir: /usr/src/
    creates: /usr/local/bin/composer
    warn: false
  become: yes

- name: Add Composer to global path
  copy:
    dest: /usr/local/bin/composer
    group: root
    mode: '0755'
    owner: root
    src: /usr/src/composer.phar
    remote_src: yes
  become: yes

- name: Ansible delete file create_project
  file:
    path: /var/www/html/landing
    state: absent

- name: composer create-project
  shell: /usr/local/bin/composer create-project laravel/laravel /var/www/html/landing --prefer-dist --no-interaction

- name: Copy .env.template
  template:
    src=templates/env.template
    dest=/var/www/html/landing/.env
```

```
GNU nano 6.2                                          main.yml

- name: composer
  shell: cd /var/www/html/landing; /usr/local/bin/composer install  --no-interaction

- name: key
  shell: /usr/bin/php7.4 /var/www/html/landing/artisan key:generate

- name: chmod
  become: tes
  become_user: root
  become_method: su
  command: chmod 777 -R /var/www/html/landing/storage

- name: www.conf
  template:
    src=templates/www.conf
    dest=/etc/php/7.4/fpm/pool.d/www.conf

- name: Copy lv.conf
  template:
    src=templates/lv.conf
    dest=/etc/nginx/sites-available/{{ domain }}
  vars:
    servername: '{{ domain }}'

- name: Symlink lv.conf
  command: ln -sfn /etc/nginx/sites-available/{{ domain }} /etc/nginx/sites-enabled/{{ domain }}
  notify:
    - restart nginx

- name: Write {{ domain }} to /etc/hosts
  lineinfile:
    dest: /etc/hosts
    regexp: '.*{{ domain }}$'
    line: "127.0.0.1 {{ domain }}"
    state: present
```

- cd ../templates
- nano env.template

```
  GNU nano 6.2
APP_NAME=Laravel
APP_ENV=local
APP_KEY=
APP_DEBUG=true
APP_URL=http://vm.local

LOG_CHANNEL=stack
LOG_DEPRECATIONS_CHANNEL=null
LOG_LEVEL=debug

DB_CONNECTION=mysql
DB_HOST=10.0.3.59
DB_PORT=3306
DB_DATABASE=landing
DB_USERNAME=admin
DB_PASSWORD=1203210131

BROADCAST_DRIVER=log
CACHE_DRIVER=file
FILESYSTEM_DRIVER=file
QUEUE_CONNECTION=sync
SESSION_DRIVER=file
SESSION_LIFETIME=120

MEMCACHED_HOST=127.0.0.1
REDIS_HOST=127.0.0.1
REDIS_PASSWORD=null
REDIS_PORT=6379

MAIL_MAILER=smtp
MAIL_HOST=mailhog
MAIL_PORT=1025
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null
MAIL_FROM_ADDRESS=null
MAIL_FROM_NAME="${APP_NAME}"
```

```
AWS_ACCESS_KEY_ID=
AWS_SECRET_ACCESS_KEY=
AWS_DEFAULT_REGION=us-east-1
AWS_BUCKET=
AWS_USE_PATH_STYLE_ENDPOINT=false

PUSHER_APP_ID=
PUSHER_APP_KEY=
PUSHER_APP_SECRET=
PUSHER_APP_CLUSTER=mt1

MIX_PUSHER_APP_KEY="${PUSHER_APP_KEY}"
MIX_PUSHER_APP_CLUSTER="${PUSHER_APP_CLUSTER}"
```

O nano lv.conf

```
  GNU nano 6.2                                            lv.conf
server {
    listen 80;
    listen [::]:80;
    #log files for debugging
    access_log /var/log/nginx/vhostlaravel-access.log;
    error_log /var/log/nginx/vhostlaravel-error.log;
    #webroot directory for laravel project
    root /var/www/html/landing/public;
    index index.php index.html index.htm;

    server_name {{servername}};

    location / {
            try_files $uri $uri/ /index.php?$query_string;
    }

    location ~ \.php$ {
            try_files $uri =404;
            fastcgi_split_path_info ^(.+\.php)(/.+)$;
            fastcgi_pass 127.0.0.1:9001;
            fastcgi_index index.php;
            fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
            include fastcgi_params;
    }
}
```

-
-
  cd ../handlers nano
  main.yml

```
  GNU nano 6.2
---
- name: restart php
  become: yes
  become_user: root
  become_method: su
  action: service name=php7.4-fpm state=restarted

- name: restart nginx
  become: yes
  become_user: root
  become_method: su
  action: service name=nginx state=restarted
```

- cd ../../
- cd db/tasks
- nano main.yml

```
  GNU nano 6.2                                                    main.
---
- name: delete apt cache
  become: yes
  become_user: root
  become_method: su
  command: rm -vf /var/lib/apt/list/*

- name: install mariadb
  become: yes
  become_user: root
  become_method: su
  apt: name={{ item }} state=latest update_cache=true
  with_items:
  - python
  - mariadb-server
  - python-mysqldb
  - python-pymysql

- name: Stop MySQL
  service: name=mysqld state=stopped

- name: set environment variables
  shell: systemctl set-environment MYSQLD_OPTS="--skip-grant-tables"

- name: Start MySQL
  service: name=mysqld state=started
```

- cd ../templates
- nano my.cnf

-
-

```
  GNU nano 6.2
[server]


[mysqld]



user            = mysql
pid-file        = /var/run/mysqld/mysqld.pid
socket          = /var/run/mysqld/mysqld.sock
port            = 3306
basedir         = /usr
datadir         = /var/lib/mysql
tmpdir          = /tmp
lc-messeges-dir = /usr/share/mysql
ski[-external-locking
```

cd ../handlers nano
main.yml

```
   GNU nano 6.2
---
- name: restart mysql
  become: yes
  become_user: root
  become_method: su
  action: service name=mysql state=restarted
```

- cd ../../
- cd pma/tasks
- nano main.yml

- o
- o

```
GNU nano 6.2                                                    main.yml
- name: Add Php Repository
  apt_repository:
      repo: "deb https://packages.sury.org/php/ stretch main"
      state: present
      filename: php.list
      update_cache: true

- name: wget repository php
  shell: wget -O /etc/apt/trusted.gpg.d/php.gpg https://packages.sury.org/php/apt.gpg

- name: add repository php
  shell: echo "deb https://packages.sury.org/php/ $(lsb_release -sc) main" | tee /etc/apt/source.list.d/php.list

- name: wget repository
  shell: wget https://files.phpmyadmin.net/phpMyAdmin/5.1.1/phpMyAdmin-5.1.1-all-languages.tar.gz

- name: tar pypmyadmin
  shell: tar -zxvf phpMyAdmin-5.1.1-all-languages.tar.gz

- name: move phpadmin
  shell: mv pypMyAdmin-5.1.1-all-languages /usr/share/phpMyAdmin

- name: apt update
  shell: apt update

- name: Copy lxc_mariabd.conf
  template:
    src=templates/lxc_mariadb.conf
    dest=/etc/nginx/sites-available/{{ domain }}
  vars:
    servername: '{{ domain }}'

- name: Synlink lxc_mariadb.conf
  command: ln -sfn /etc/nginx/sites-avaiblable/{{ domain }} /etc/nginx/sites-enable/{{ domain }}
```

```
notify:
  - restart nginx

- name: Write {{ domain }} to /etc/hosts
  lineinfile:
    dest: /etc/hosts
    regexp: '.*{{ domain }}$'
    line: "127.0.0.1 {{ domain }}"
    state: present
```

cd ../templates

nano

lxc_mariadb.con

f

```
GNU nano 6.2                                                    lxc_mariadb.conf
server {
    listem 80;
    server_name {{servername}};
    root /usr/share/phpMyAdmin;
    index index.php;
    location / {
        try_files $uri $uri/ @phpmyadmin;
    }
    location @phpmyadmin {
        fastcgi_pass unix:/run/php/php7.2-fpm.sock;    #sesuaikan dengan versi PHP

        fastcgi_param SCRIPT_FILENAME /usr/share/phpMyAdmin/index.php;
        include /etc/nginx/fastcgi-params;
        fastcgi_param SCRIPT_NAME /index.php;
    }
    location ~ \.php$ {
        fastcgi_pass unix:/run/php/php7.2-fpm.sock; #sesuaikan dengan versi php

        fastcgi_index index.php;
        fastcgi_param SCRIPT_FILENAME /usr/share/phpMyAdmin$fastcgi_script_name;

        include fastcgi_params;
    }
}
```

- ○
- ○
- ○ cd ../handlers
- ○ nano main.yml

```
GNU nano 4.8                                    main.yml
---
  - name: stop apache2
    become: yes
    become_user: root
    become_method: su
    action: service name=apache2 state=stopped

  - name: restart nginx
    become: yes
    become_user: root
    become_method: su
    action: service name=nginx state=restarted

  - name: restart php
    become: yes
    become_user: root
    become_method: su
    action: service name=php7.2-fpm state=restarted
```

  cd ../../
  cd yii/tasks
- ○ nano main.yml

```yaml
---
- name: delete apt chache
  become: yes
  become_user: root
  become_method: su
  command: rm -vf /var/lib/apt/lists/*

- name: install php
  become: yes
  become_user: root
  become_method: su
  apt: name={{ item }} state=latest update_cache=true
  with_items:
    - curl
    - nginx
    - nginx-extras
    - php7.4
    - php7.4-fpm
    - php7.4-curl
    - php7.4-xml
    - php7.4-gd
    - php7.4-opcache
    - php7.4-mbstring
    - php7.4-zip
    - php7.4-json
    - php7.4-cli
```

```yaml
- name: Download and install Composer
  shell: curl -sS https://getcomposer.org/installer | php
  args:
    chdir: /usr/src/
    creates: /usr/local/bin/composer
    warn: false
  become: yes

- name: Add Composer to global path
  copy:
    dest: /usr/local/bin/composer
    group: root
    mode: '0755'
    owner: root
    src: /usr/src/composer.phar
    remote_src: yes
  become: yes

- name: Ansible delete file create-project
  file:
    path: /var/www/html/basic
    state: absent

- name: composer create-project
  shell: /usr/local/bin/composer create-project yiisoft/yii2-app-basic  /var/www/ht
```

```yaml
- name: chmod
  become: yes
  become_user: root
  become_method: su
  command: chmod +x /usr/local/bin/composer

- name: composer
  shell: cd /var/www/html/basic; /usr/local/bin/composer install  --no-interaction

- name: Copy yii.conf
  template:
    src=templates/yii.conf
    dest=/etc/nginx/sites-available/{{ domain }}
  vars:
    servername: '{{ domain }}'

- name: Symlink yii.conf
  command: ln -sfn /etc/nginx/sites-available/{{ domain }} /etc/nginx/sites-enabled/{{ domain }}
  notify:
    - restart nginx

- name: Write {{ domain }} to /etc/hosts
  lineinfile:
    dest: /etc/hosts
    regexp: '.*{{ domain }}$'
    line: "127.0.0.1 {{ domain }}"
```

-
-

cd ../templates

nano yii.conf

```
server {
    set $host_path "/var/www/html/basic";
    #access_log  /www/basic/log/access.log  main;
    server_name  lxc_php7_6.dev www.lxc_php7_6.dev;
    root    $host_path/web;
    set $yii_bootstrap "index.php";

    charset utf-8;
    location / {
        index  index.html $yii_bootstrap;
        try_files $uri $uri/ /$yii_bootstrap?$args;
    }
    location ~ ^/(protected|framework|themes/\w+/views) {
        deny  all;
    }
    #avoid processing of calls to unexisting static files by yii
    location ~ \.(js|css|png|jpg|gif|swf|ico|pdf|mov|fla|zip|rar)$ {
        try_files $uri =404;
    }
    # pass the PHP scripts to FastCGI server listening on UNIX socket
    location ~ \.php {
        fastcgi_split_path_info  ^(.+\.php)(.*)$;
        #let yii catch the calls to unexising PHP files
        set $fsn /$yii_bootstrap;
        if (-f $document_root$fastcgi_script_name){
            set $fsn $fastcgi_script_name;
```

```
  GNU nano 4.8                                          yii.conf
    }
    # pass the PHP scripts to FastCGI server listening on UNIX socket
    location ~ \.php {
        fastcgi_split_path_info  ^(.+\.php)(.*)$;
        #let yii catch the calls to unexising PHP files
        set $fsn /$yii_bootstrap;
        if (-f $document_root$fastcgi_script_name){
            set $fsn $fastcgi_script_name;
        }
    fastcgi_pass   unix:/run/php/php7.4-fpm.sock;
    include fastcgi_params;
    fastcgi_param  SCRIPT_FILENAME  $document_root$fsn;

        #PATH_INFO and PATH_TRANSLATED can be omitted, but RFC 3875 specifies them for CGI
        fastcgi_param  PATH_INFO        $fastcgi_path_info;
        fastcgi_param  PATH_TRANSLATED  $document_root$fsn;
    }

    # prevent nginx from serving dotfiles (.htaccess, .svn, .git, etc.)
    location ~ /\. {
        deny all;
        access_log off;
        log_not_found off;
    }
}
```

- cd ../handlers
- nano main.yml

- ○
- ○

```
GNU nano 4.8                                                          main

---
- name: restart php
  become: yes
  become_user: root
  become_method: su
  action: service name=php7.4-fpm state=restarted

- name: restart nginx
  become: yes
  become_user: root
  become_method: su
  action: service name=nginx state=restarted
```

cd ../../
cd wp/tasks

- ○ nano main.yml

```
GNU nano 4.8                                           main.yml

---
- name: delete apt chache
  become: yes
  become_user: root
  become_method: su
  command: rm -vf /var/lib/apt/lists/*

- name: install php
  become: yes
  become_user: root
  become_method: su
  apt: name={{ item }} state=latest update_cache=true
  with_items:
    - nginx
    - nginx-extras
    - php7.4
    - php7.4-fpm
    - php7.4-curl
    - php7.4-xml
    - php7.4-gd
    - php7.4-opcache
    - php7.4-mbstring
    - php7.4-zip
    - php7.4-json
    - php7.4-cli
    - php7.4-mysqlnd
```