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| **edX 분석서** |

문서 이력 정보

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| **Ver** | **주요 제/개정 내용** | **작성일** | **작성자** | **승인자** | **시행일** |
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1. **설치-Windows**
   1. **준비**

바이오스 화면에서 INTEL VT-X 적용여부 확인  
2CPU 이상, RAM 4G 이상 (4CPU, RAM 6G 이상 64bit 추천)

* 1. **edx Production stack installation using Vagrant Virtualbox**

<https://github.com/edx/configuration/wiki/edx-Full-stack--installation-using-Vagrant-Virtualbox>

virtual box 설치(version 4.3.24) <https://www.virtualbox.org/wiki/Downloads>

제어판 -> 시스템 속성 ->환경변수->시스템변수

제어판->시스템 및 보안 -> 시스템 -> 고급 -> 환경변수(Windows 7)

PATH에 virtualbox 설치 폴더 추가 "C:\Program Files\Oracle\VirtualBox\";

vagrant windows 설치 1.7.2 <http://www.vagrantup.com/download-archive/v1.5.4.html>

VAGRANT\_HOME= 공백문자, 한글이 없는 폴더로 지정 (환경변수에 추가)

PATH에 vagrant의 embedded/bin 폴더 추가 (curl실행 위한 것)

* 1. **가상머신 기동**

관리자 모드로 cmd 실행

mkdir fullstack

cd fullstack

curl –k –L https://raw.githubusercontent.com/edx/configuration/master/vagrant/release/fullstack/Vagrantfile > Vagrantfile

(에러발생시 -k옵션 추가)

vagrant plugin install vagrant-hostsupdater

(정상 실행시 메시지)

D:\fullstack>vagrant plugin install vagrant-hostsupdater

Installing the 'vagrant-hostsupdater' plugin. This can take a few minutes...

Installed the plugin 'vagrant-hostsupdater (0.0.11)'!

(에러발생시 rebase 실행)

<http://azza.tistory.com/152>

rebase.exe를 다운받아서 embedded/bin 밑으로 복사

embedded/bin 폴더에서 다음 명령 실행

rebase -b 0x30000000 msys-1.0.dll

PS D:\fullstack> vagrant plugin install vagrant-hostsupdater

Installing the 'vagrant-hostsupdater' plugin. This can take a few minutes...

Bundler, the underlying system Vagrant uses to install plugins,

reported an error. The error is shown below. These errors are usually

caused by misconfigured plugin installations or transient network

issues. The error from Bundler is:

An error occurred while installing json (1.8.2), and Bundler cannot continue.

Make sure that `gem install json -v '1.8.2'` succeeds before bundling.

Gem::Installer::ExtensionBuildError: ERROR: Failed to build gem native extension.

C:/HashiCorp/Vagrant/embedded/bin/ruby.exe extconf.rb

Gem files will remain installed in C:/Users/Administrator/.vagrant.d/gems/gems/json-1.8.2 for inspection.

Results logged to C:/Users/Administrator/.vagrant.d/gems/gems/json-1.8.2/ext/json/ext/generator/gem\_make.out

-> 두번째 실행에서 오류사라짐

vagrant up

* LMS: <http://192.168.33.10/>
* Studio: <http://192.168.33.10:18010/>
  1. **외부 연결 추가**

vagrant halt 후 virtual box에서 재시작하면 콘솔 윈도우 열림. (계정: vagrant/vagrant)

환경설정->네트워크->NAT에서 포트포워딩 설정 (기본으로 2222->22가 설정되어 있음.)

추가로 80, 18010 설정 필요 (virtualbox GUI 기동의 경우)

Vagrantfile에 다음을 추가하면 vagrant up시 자동으로 headless mode virtual box에 추가됨.

config.vm.network "forwarded\_port", guest: 80, host: 80

config.vm.network "forwarded\_port", guest: 22, host: 2222, id: "ssh", auto\_correct: true

config.vm.network "forwarded\_port", guest: 18010, host: 18010

* 1. **메모리 증가(optional)**

윈도우 PC에 메모리가 충분할 때 2G->4G로 메모리 증가하는 법

Vagrantfile 수정함.

MEMORY = 4096

* 1. **ssh**

<http://docs-v1.vagrantup.com/v1/docs/getting-started/ssh.html>

insecure\_private\_key는 vagrant ssh-config실행해보면 알 수 있음.

* 1. **putty 설정(계정 접속 추가)**

콘솔에서 /etc/ssh/sshd\_config 수정

PasswordAuthentication yes 로 변경

$ sudo service ssh restart 로 재시작 -> 비밀번호 방식으로 로그인 가능

* 1. **gmail smtp 설정**

/edx/app/edxapp

lms.env.json, cms.env.json

"EMAIL\_HOST": "smtp.gmail.com",

"EMAIL\_PORT": 25,

"EMAIL\_USE\_TLS": true,

lms.auth.json, cms.auth.json

"EMAIL\_HOST\_USER": “\*\*\*\*\*@gmail.com”,

"EMAIL\_HOST\_PASSWORD":"\*\*\*\*\*",

(edx 재기동 필요)

### 확인메일 링크를 위한 SITE\_NAME 변경

/edx/app/edxapp/lms.env.json

/edx/app/edxapp/cms.env.json

"SITE\_NAME": "your.custom.domain",

(edx 재기동 필요)

* 1. **live preview 링크를 위한 LMS\_BASE 변경**

/edx/app/edxapp/lms.env.json

/edx/app/edxapp/cms.env.json

"LMS\_BASE": "your.custom.domain",

* 1. **edx 재기동**

sudo /edx/bin/supervisorctl restart edxapp: edxapp\_worker:

sudo /edx/bin/supervisorctl restart edxapp\_worker:

* 1. **vagrant 가상머신 중지/기동**

vagrant halt (중지)

vagrant up (기동)

* 1. **강의 만들기 등 기타 링크**

<http://ca.readthedocs.org/en/latest/index.html>

* 1. **강의 만들기 등 기타 링크**

<https://github.com/edx/configuration/wiki/edX-Managing-the-Full-Stack>

* 1. **ORA**

<http://edx-open-response-assessments.readthedocs.org/en/latest/index.html>

<http://edx-guide-for-students.readthedocs.org/en/latest/SFD_ORA.html>

<https://media.readthedocs.org/pdf/edx-ora/latest/edx-ora.pdf>

<http://edx-partner-course-staff.readthedocs.org/en/latest/students/ora_students.html>

<https://groups.google.com/forum/#!topic/edx-code/CZu3uuTw-nE>

<https://groups.google.com/forum/#!topic/edx-code/3sf9L8Pkq3k>

<http://edx-code.narkive.com/WMrY7Wxu/ease-enhanced-ai-scoring-engine>

<https://github.com/edx/ease/wiki/EASE-%28Enhanced-AI-Scoring-Engine%29>

<http://vikparuchuri.github.io/boston-python-ml/>

Edx platform template modification

<https://groups.google.com/forum/#!topic/edx-code/pxIRTxe2LDE>

Microsites Theming

<https://github.com/edx/edx-platform/wiki/Microsites-Theming>

* 1. **한글화**

$ sudo -H -u edxapp bash

$ source /edx/app/edxapp/edxapp\_env

$ cd /edx/app/edxapp/edx-platform

<http://git-scm.com/book/ko/v1/%EC%8B%9C%EC%9E%91%ED%95%98%EA%B8%B0-Git-%EC%B5%9C%EC%B4%88-%EC%84%A4%EC%A0%95>

$ git config --global user.name "John Doe"

$ git config --global user.email [johndoe@example.com](mailto:johndoe@example.com)

<https://github.com/edx/edx-platform/wiki/Internationalization-and-localization>

Configure your ~/.transifexrc file:

[https://www.transifex.com]

hostname = https://www.transifex.com

username = daegunlee

password = [default]

token =

<전체 한글화 과정(안함)>

// backup conf file

$ cp conf/locale/config.yaml conf/locale/config.yaml.bak

Edit conf/locale/config.yaml

$ vi conf/locale/config.yaml

Comment out excep en and ko-kr

Log-out and new user for default

https://groups.google.com/forum/#!topic/openedx-translation/yMO-y6v5AXA

1) You need to change LANGUAGE\_CODE setting in /edx/app/edxapp/lms.env.json and /edx/app/edxapp/cms.env.json files for appropriate code (instead of or together with lms/envs/common.py as it noted in wiki).

2) Also as it was mentioned here in forum that after language had been successfully changed the already existed users still have the default language (English). To change this issue you should make some modifications in database table user\_api\_userpreference. Here how you can do it:

* log in into MySQL shell with command 'mysql -u edxapp001 -p' with password equal to 'password' (database access credentials can be found in /edx/app/edxapp/lms.auth.json file)
* change database to edxapp with command 'use edxapp;'
* you can check language preferences for users in user\_api\_userpreference table - 'select \* from user\_api\_userpreference;' (look for records with key='pref-lang')
* you can change language preference for users by modify specific records or simply delete them:
  + 'update user\_api\_userpreference set value="*LANGUAGE\_CODE*" where user\_id=*USER\_ID*;' where *LANGUAGE\_CODE* is preferred language code and *USER\_ID* is your user's id
  + 'update user\_api\_userpreference set value="*LANGUAGE\_CODE*";' to change language preferences for all users
  + 'delete from user\_api\_userpreference where user\_id=*USER\_ID*;' to delete language preference for particular user (in this case the system will take the default language for this user, i.e. from setting file)

Hope this info will help someone in future and decrease amount of time spent for localization process!

$ vi /edx/app/edxapp/lms.env.json

$ vi /edx/app/edxapp/cms.env.json

"LANGUAGE\_CODE": "ko-kr",

$ vi lms/envs/common.py

$ vi cms/envs/common.py

TIME\_ZONE = 'Asia/Seoul' # http://en.wikipedia.org/wiki/List\_of\_tz\_zones\_by\_name

LANGUAGE\_CODE = 'ko-kr' # <http://www.i18nguy.com/unicode/language-identifiers.html>

$ paver i18n\_robot\_pull

Wait about 1hr and type y.

Update translations (autogenerated message)

# Please enter the commit message for your changes. Lines starting

# with '#' will be ignored, and an empty message aborts the commit.

# On branch master

# Your branch is up-to-date with 'origin/master'.

#

# Changes to be committed:

# modified: conf/locale/config.yaml

# new file: conf/locale/config.yaml.bak

# modified: conf/locale/eo/LC\_MESSAGES/django.mo

# modified: conf/locale/eo/LC\_MESSAGES/django.po

# modified: conf/locale/eo/LC\_MESSAGES/djangojs.mo

# modified: conf/locale/eo/LC\_MESSAGES/djangojs.po

# modified: conf/locale/ko\_KR/LC\_MESSAGES/django.mo

# modified: conf/locale/ko\_KR/LC\_MESSAGES/django.po

# modified: conf/locale/ko\_KR/LC\_MESSAGES/djangojs.mo

# modified: conf/locale/ko\_KR/LC\_MESSAGES/djangojs.po

#

# Changes not staged for commit:

# modified: cms/envs/common.py

# modified: lms/envs/common.py

#

ctrl-x

Success!

**부분 한글화 방법 사용**

$ tx pull -l ko\_KR

$ paver i18n\_generate

//처음 한번

$ vi /edx/app/edxapp/lms.env.json

$ vi /edx/app/edxapp/cms.env.json

"LANGUAGE\_CODE": "ko-kr",

Edx 재기동

시간이 많이 소요되는 extract를 생략하기 위해서는 pavelib/i18n.py수정 필요

generate에서 need extract 삭제함

기존 사용자 선호 언어 전환

$ mysql -u edxapp001 -p

Enter password:

기본암호: “password” 입력

mysql> use edxapp

mysql> select \* from user\_api\_userpreference;

mysql> update user\_api\_userpreference set value="ko-kr";

mysql> quit

### k-mooc 추가

edxapp@precise64:~/venvs/edxapp/src/i18n-tools/conf/locale$ vi config.yaml

* 1. **Your Platform name here**

lms.env.jason 수정

cms.env.jason 수정

edx 재시작

* 1. **Backup data (not tested)**

<https://github.com/edx/configuration/wiki/Preparation-For-Production-Launch>

-Backup your data and restore it in the new server. You can do it with:

mongodump -o ./mongo-backup

mongorestore -drop ./mongo-backup

mysqldump -u root -p --all-databases > ./backup.sql

mysql -u root -p < ./backup.sql

* 1. **Manual activation**

Start djago shell

$ sudo -u edxapp /edx/bin/python.edxapp /edx/app/edxapp/edx-platform/manage.py lms --settings=aws shell

2015-05-15 07:32:52,161 INFO 4819 [dd.dogapi] dog\_stats\_api.py:66 - Initializing dog api to use statsd: localhost, 8125

Python 2.7.3 (default, Feb 27 2014, 19:58:35)

[GCC 4.6.3] on linux2

Type "help", "copyright", "credits" or "license" for more information.

(InteractiveConsole)

>>> from django.contrib.auth.models import User

>>> user = User.objects.get(username='sheviousk')

>>> print user

sheviousk

>>> user.set\_active()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'User' object has no attribute 'set\_active'

>>> print user.is\_active

False

>>> user.is\_active=True

>>> print ser.is\_active

Traceback (most recent call last):

File "<console>", line 1, in <module>

NameError: name 'ser' is not defined

>>> print user.is\_active

True

>>> user.is\_active

True

>>> user.save()

* 1. **Certificate (v1)**

<https://docs.djangoproject.com/en/1.8/ref/contrib/auth/>

<https://github.com/edx/configuration/issues/834>

<https://github.com/edx/edx-platform/wiki/Shell-commands>

http://stackoverflow.com/questions/1873806/changing-password-in-django

certificate

<https://github.com/edx/configuration/wiki/edX-Managing-the-Full-Stack>

rc.local:

sudo -u www-data mkdir /tmp/certificates

$ sudo -H -u certs bash

$ cd /edx/app/edxapp/edx-platform

$ vi /edx/app/certs/certificates/cert-data.yml

$ cd /edx/app/certs/certificates/template\_data/v1-cert-templates/

$ cp certificate-template-edX-Open\_DemoX.pdf certificate-template-K-MOOC-cs101.pdf

Set end date for course at studio web.

User vagrant

$ sudo /edx/bin/supervisorctl restart certs:

$ sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws ungenerated\_certs -c course-v1:kmooc+cs102+2015 –insecure

sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws regenerate\_user -u shevious@kotech.co.kr -c course-v1:kmooc+cs102+2015 --insecure

sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws regenerate\_user -u shevious@daum.net -c course-v1:kmooc+cs101+2015 --insecure

sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws regenerate\_user -u honor@example.com –c kmoocX/cs101/test1 –insecure

sudo /edx/bin/supervisorctl -c /edx/etc/supervisord.conf restart certs:

/edx/var/log/supervisor/certstd\*.log

/edx/var/log/supervisor/certstdout.log

2015-05-17 01:05:30,269 CRITICAL 19575 [certificates.gen\_cert] gen\_cert.py:123 - Unable to lookup long names for course kmoocX/cs101/test1

2015-05-17 01:05:30,276 CRITICAL 19575 [certificates: \_\_main\_\_] certificate\_agent.py:90 - Unable to parse queue response submission (u'kmoocX/cs101/test1') : {u'xqueue\_files': u'{}', u'xqueue\_header': u'{"submission\_id": 8, "submission\_key": "90564ddf1346168ee46815f1d063f7ee"}', u'xqueue\_body': u'{"username": "honor", "template\_pdf": "certificate-template-kmoocX-cs101.pdf", "course\_name": "Test1", "name": "honor", "grade": "Pass", "course\_id": "kmoocX/cs101/test1", "action": "create"}'}

~~/edx/app/certs/certificates/cert-data.yml~~ (이건 cypress 이후에는 불필요)

~~코스 추가후 cert재기동~~

/edx/var/log/supervisor/certstderr.log

Traceback (most recent call last):

File "/edx/app/certs/certificates/certificate\_agent.py", line 152, in <module>

main()

File "/edx/app/certs/certificates/certificate\_agent.py", line 82, in main

aws\_key=args.aws\_key)

File "/edx/app/certs/certificates/gen\_cert.py", line 161, in \_\_init\_\_

open(os.path.join(template\_path, template\_pdf), 'rb'))

IOError: [Errno 2] No such file or directory: path('/edx/app/certs/certificates/template\_data/v1-cert-templates/certificate-template-kmoocX-cs101.pdf')

~

/edx/app/certs/certificates/template\_data/v1-cert-templates/

CERTIFICATES\_HTML\_VIEW가 true이면 이수증이 발급되어도 보이지 않음.

* 1. **vagrant ssh on windows**

1. Install git: <http://git-scm.com/download/win>
2. Start Menu > cmd (shift+enter to go as Administrator)
3. set PATH=%PATH%;C:\Program Files (x86)\Git\bin
4. vagrant ssh
   1. **named release devstack**

<https://github.com/edx/configuration/wiki/Named-Releases>

<http://opendsax3.readthedocs.org/en/latest/Devstack.html>

cmd이용

1. C:\> mkdir devstack
2. C:\> cd devstack
3. C:\devstack> curl -L https://raw.githubusercontent.com/edx/configuration/master/vagrant/release/devstack/Vagrantfile -k > Vagrantfile
4. C:\devstack> vagrant plugin install vagrant-vbguest
5. C:\devstack> SETX OPENEDX\_RELEASE "named-release/birch"

Bash 이용

1. $ cd ~
2. $ mkdir devstack
3. $ cd devstack
4. $ curl -L https://raw.githubusercontent.com/edx/configuration/master/vagrant/release/devstack/Vagrantfile -k > Vagrantfile
5. $ vagrant plugin install vagrant-vbguest
6. $ export OPENEDX\_RELEASE="named-release/birch"
7. $ vagrant up
   1. **Devstack running**

$ sudo su edxapp

$ paver devstack lms

* 1. **Devstack default release error**

<https://groups.google.com/forum/#!msg/edx-code/ZtPe0vVaARg/KhX_JC7VkK4J>

You should be able to do this:

$ vagrant ssh

$ sudo su edxapp

$ cd /edx/app/edxapp/edx-platform

$ git fetch

$ git reset —hard origin/master

$ exit

$ exit

$ vagrant provision

Let me know if that works!

What is vagrant provision?

<http://bcho.tistory.com/806>

어떻게 하면 release대신에 master를 설치할 수 있나?

어떻게 하면 vagrant로 협업할 수 있나?

<http://www.slideshare.net/kthcorp/h3-2012-vagrant>

<http://www.slideshare.net/arawnkr/vagrant-chef?next_slideshow=1>

* 1. **Theme**

**Git ssh error:**

edxapp@precise64:~/themes$ git clone git@github.com:Stanford-Online/edx-default-theme.git default

Cloning into 'default'...

The authenticity of host 'github.com (192.30.252.129)' can't be established.

RSA key fingerprint is 16:27:ac:a5:76:28:2d:36:63:1b:56:4d:eb:df:a6:48.

Are you sure you want to continue connecting (yes/no)? y

Please type 'yes' or 'no': yes

Warning: Permanently added 'github.com,192.30.252.129' (RSA) to the list of known hosts.

Permission denied (publickey).

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

**Fix:**

<https://github.com/edx/configuration/wiki/edX-Developer-Stack>

<https://github.com/olefredrik/FoundationPress/issues/38>

git clone https://github.com/Stanford-Online/edx-default-theme.git default

edxapp@precise64:~/edx-platform$ paver update\_assets lms --settings=devstack

error:

(Line 47: Undefined variable: "$sans-serif".)

<https://groups.google.com/forum/#!topic/edx-code/vtFl8_79YTc>

>In the development server the sans-serif error goes away on second running. Not in the >production server.

>Has anyone made any progress on this?

links:

<https://github.com/edx/edx-platform/wiki/Stanford-Theming>

* 1. **Theme on production stack**

<https://github.com/edx/edx-platform/wiki/Stanford-Theming>

(provisioning method, manual method, custom theme)

<https://codingexpress.ca/2014/05/07/finally-the-theme-works/>

<https://github.com/CDOT-EDX/ProductionStackDocs/wiki/Applying-the-Stanford-Online-Theme-for-Viewing-%28Production-Stack%29>

<https://github.com/edx/configuration/wiki/Launching-the-Stanford-Online-theme>

provisioning method 실패 with kifli fullstack

suggestion (not tried yet)

<https://groups.google.com/forum/#!topic/edx-code/Hthq-KBc8K4>

**manual method on birch fullstack**

edxapp 환경

/edx/app/edxapp/lms.env.json 을 수정하여

FEATURES.USE\_CUSTOM\_THEME (True), THEME\_NAME (stanford)

로 변경

git clone https://github.com/Stanford-Online/edx-default-theme.git stanford

sass 폴더내의 \_default.scss를 \_stanford.scss로 바꾸고 파일내용의 default를 stanford로 변경

template 폴더내의 template\_header.html내의 default 폴더명을 stanford폴더로 변경

컴파일

sudo -H -u edxapp bash

source /edx/app/edxapp/edxapp\_env

cd /edx/app/edxapp/edx-platform

paver update\_assets cms --settings=aws

paver update\_assets lms --settings=aws

lms, cms 재시작

**stanford original theme 적용 방법**

<https://github.com/Stanford-Online/edx-theme/tree/dd8d0c7afd5d4b5f36e4d4e36cf538f401413042>

zip으로 다운받아서 themes폴더에 풀어놓은 후에

templates폴더내의 template\_footer.html의 about\_edx->about으로 변경

(어떻게 추적했나?)

git메인의 commit 히스토리에서 master 브랜취중 default theme으로 돌아가기 전의

상태로 다운로드함. 그 후의 변경상태중 about\_edx -> about변경점 본 적 있음.

/edx/var/log/lms/edx.log에서 about\_edx 오류 발견.

**kifli fullstack에서 stanford edx theme 오류 해결방법**

위와는 반대로 about -> about\_edx로 변경해주어야 함.

* 1. **PyCharm**

Windows 7에서 remote interpreter 연결 안되는 문제

<https://youtrack.jetbrains.com/issue/PY-14748>

1. Open the "Run" window by pressing the **Windows key** + **R**.  
2. In the text box, Enter **%HOMEPATH%** and click **ok**.  
3. If you have a folder named **.ssh**, double-click to open it. Otherwise, create a new folder named **.ssh**.  
4. If you have a file called **known\_hosts** in your **.ssh** folder, open it. Otherwise, create a new file called **known\_hosts** and open it.  
5. Make a minor change in the file (e.g. add an empty space in some blank line) and save it.  
6. Open PyCharm and try running the remote interpreter again.

* 1. **open edx on Ubuntu 12.04**

sshd install

$ sudo apt-get install openssh-server

오류남. (ubuntu 업데이트 실행 함. – 시간 많이 걸림)

$ sudo /etc/init.d/ssh restart

$ dpkg -l |grep ssh

**sudo without password**

http://askubuntu.com/questions/147241/execute-sudo-without-password

sudo visudo

In the bottom of the file, type the follow:

username ALL=(ALL) NOPASSWD: ALL

Where username is your username in your system. Save and close sudoers file (if you haven't changed your default terminal editor (you'll know if you have), press ctl+x to exit nano (but note that the screenshot below shows vim), and it'll prompt you to save).

After this, you can, in terminal window, type sudo <Whatever you want>, without being prompted for the password.

* 1. **birch fullstack on ubuntu**

<https://github.com/edx/configuration/wiki/edX-Ubuntu-12.04-64-bit-Installation>

<http://blog.arttechresearch.com/tech/2015/05/08/setting-up-open-edx-boxes/>

sudo apt-get update -y

sudo apt-get upgrade -y

sudo reboot

export OPENEDX\_RELEASE=named-release/birch (is this really necessary?)

Manual installation만 동작함. 단일 vagrant.sh 파일의 경우 named-release를 설치 못하게 되어 있음.

sudo apt-get install -y build-essential software-properties-common python-software-properties curl git-core libxml2-dev libxslt1-dev libfreetype6-dev python-pip python-apt python-dev

sudo pip install --upgrade pip

sudo pip install --upgrade virtualenv

( <https://groups.google.com/forum/#!topic/openedx-ops/q5d7-o1oQpQ> )

cd /var/tmp

git clone https://github.com/edx/configuration

git checkout tags/named-release/birch

git checkout tags/named-release/cypress (cypress의 경우)

또는

git clone https://github.com/shevious/configuration

cd /var/tmp/configuration

sudo pip install -r requirements.txt

vi /var/tmp/configuration/playbooks/roles/common/defaults/main.yml

COMMON\_SSH\_PASSWORD\_AUTH to "yes"

cd /var/tmp/configuration/playbooks

// not working

sudo ansible-playbook -c local ./vagrant-fullstack.yml -i "localhost,"

오류발생

TASK: [elasticsearch | download elasticsearch] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

failed: [localhost] => {"failed": true, "item": ""}

msg: Failed to validate the SSL certificate for download.elasticsearch.org:443. Use validate\_certs=no or make sure your managed systems have a valid CA certificate installed. Paths checked for this platform: /etc/ssl/certs, /etc/pki/ca-trust/extracted/pem, /etc/pki/tls/certs, /usr/share/ca-certificates/cacert.org, /etc/ansible

FATAL: all hosts have already failed -- aborting

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

to retry, use: --limit @/home/vagrant/vagrant-fullstack.retry

localhost : ok=352 changed=79 unreachable=0 failed=1

elasticsearch ansible-playbook error

<https://github.com/edx/configuration/issues/1640>

$ cd /var/tmp/configuration/playbooks/roles/elasticsearch/tasks

$ git checkout 6371322aec2c1790178a4082482ad6ddfce33989 main.yml

vagrant@ubuntu12:/var/tmp/configuration/playbooks$ sudo ansible-playbook -c local ./vagrant-fullstack.yml -i "localhost," --limit @/home/vagrant/vagrant-fullstack.retry

설치 성공

하지만 vagrant-fullstack.yml파일에서 오류있음. (Vagrantfile을 보고 수정함)

full.sh 만듬

#!/bin/bash

OPENEDX\_RELEASE=named-release/cypress

EXTRA\_VARS="-e edx\_platform\_version=$OPENEDX\_RELEASE \

-e certs\_version=$OPENEDX\_RELEASE \

-e forum\_version=$OPENEDX\_RELEASE \

-e xqueue\_version=$OPENEDX\_RELEASE \

"

CONFIG\_VER=$OPENEDX\_RELEASE

ansible-playbook -i localhost, -c local vagrant-fullstack.yml -e configuration\_version=$CONFIG\_VER $EXTRA\_VARS

### vagrant guest addition auto update

<https://coderwall.com/p/mvf0aq/vagrant-auto-update-virtualbox-guest-additions>

C:\precise64> vagrant plugin install vagrant-vbguest

* + 1. **update a specific app (not working)**

http://blog.arttechresearch.com/tech/2015/05/08/setting-up-open-edx-boxes/

cd /edx/app/edx\_ansible/edx\_ansible/playbooks/

sudo ansible-playbook -c local ./run\_roles.yml -i "localhost," -e 'role=edx\_notes\_api'

* + 1. **ansible log**

<http://docs.ansible.com/intro_configuration.html>

<http://stackoverflow.com/questions/18794808/how-do-i-get-logs-details-of-ansible-playbook-module-executions>

If present and configured in ansible.cfg, Ansible will log information about executions at the designated location. Be sure the user running Ansible has permissions on the logfile:

log\_path=/var/log/ansible.log

* + 1. **elasticsearch error on virtual ubuntu**

TASK: [elasticsearch | install elasticsearch from local package] \*\*\*\*\*\*\*\*\*\*\*\*\*\*

failed: [localhost] => {"changed": true, "cmd": "dpkg -i --force-confold /var/tmp/elasticsearch-0.90.11.deb ", "delta": "0:00:01.506691", "end": "2015-06-22 16:17:19.528824", "item": "", "rc": 1, "start": "2015-06-22 16:17:18.022133"}

stderr: dpkg-deb (subprocess): short read on buffer copy for failed to write to pipe in copy

dpkg-deb: error: subprocess paste returned error exit status 2

dpkg: error processing /var/tmp/elasticsearch-0.90.11.deb (--install):

short read on buffer copy for backend dpkg-deb during `./usr/share/elasticsearch/lib/lucene-analyzers-common-4.6.1.jar'

Errors were encountered while processing:

/var/tmp/elasticsearch-0.90.11.deb

stdout: Selecting previously unselected package elasticsearch.

(Reading database ... 188438 files and directories currently installed.)

Unpacking elasticsearch (from .../tmp/elasticsearch-0.90.11.deb) ...

FATAL: all hosts have already failed -- aborting

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

to retry, use: --limit @/home/vagrant/vagrant-fullstack.retry

localhost : ok=362 changed=133 unreachable=0 failed=1

vagrant@ubuntu:/var/tmp/configuration/playbooks$ sudo /edx/bin/ansible-playbook -c local ./vagrant-fullstack.yml -i "localhost," -e 'role=elasticsearch'

* 1. **kmooc ansible**

vagrant@ubuntu:/var/tmp/configuration/playbooks$ export OPENEDX\_RELEASE="named-release/birch"

vagrant@ubuntu:/var/tmp/configuration/playbooks$ export KMOOC\_RELEASE=kmooc.rc0

vagrant@ubuntu:/var/tmp/configuration/playbooks$ export KMOOC\_GITPAHT=shevious

vagrant@ubuntu:/var/tmp/configuration/playbooks$ sudo ansible-playbook -v -c local ./vagrant-fullstack.yml -i "localhost,"

* 1. **Enable XBlock on fullstack**

<https://github.com/edx/edx-platform/wiki/Installing-a-new-XBlock>

<https://github.com/CDOT-EDX/ProductionStackDocs/wiki/Updating-EDX-using-a-Fork-%28Production-Stack%29>

**edit** /edx/app/edx\_ansible/server-vars.yml on vagrant account

EDXAPP\_FEATURES:

ALLOW\_ALL\_ADVANCED\_COMPONENTS: true

cms.envs.json:

"ALLOW\_ALL\_ADVANCED\_COMPONENTS": true,

**Update edx-platform for birch fullstack**

$ sudo /edx/bin/update edx-platform named-release/birch

### List of Xblocks

<http://openedx.extensionengine.com/xblock-directory/>

* 1. **Office mix xblock**

<https://github.com/edx/edx-platform/wiki/Installing-a-new-XBlock>

$ cd /edx/app/edxapp

$ sudo -u edxapp git clone <https://github.com/OfficeDev/xblock-officemix.git>

$ sudo -u edxapp /edx/bin/pip.edxapp install xblock-officemix/

Edx 재기동

* 1. **How Stanford Runs Its Own Fork**

<https://open.edx.org/blog/how-stanford-runs-its-own-fork>

<https://github.com/edx/edx-platform/wiki/How-to-Rebase-a-Pull-Request>

* 1. **GitHub**
     1. **learn about git**

<https://gun.io/blog/how-to-github-fork-branch-and-pull-request/>

* + 1. **github ssh**

<https://help.github.com/articles/generating-ssh-keys/>

(only need step1,2,4 for linux)

git@github.com:edx/edx-platform.git

* + 1. **create new branch**

$ git checkout named-release/birch

$ git branch kmooc.rc0

$ git push –u origin kmooc.rc0

* + 1. **edx-platform**

vagrant@ubuntu12:~/github$ git clone git@github.com:shevious/edx-platform.git

Cloning into 'edx-platform'...

remote: Counting objects: 396945, done.

remote: Compressing objects: 100% (24/24), done.

Receiving objects: 100% (396945/396945), 482.44 MiB | 4.86 MiB/s, done.

remote: Total 396945 (delta 22), reused 10 (delta 10), pack-reused 396911

Resolving deltas: 100% (288792/288792), done.

vagrant@ubuntu12:~/github$ cd edx-platform/

vagrant@ubuntu12:~/github/edx-platform$ git tag -l | grep birch

named-release/birch

named-release/birch.rc1

named-release/birch.rc2

named-release/birch.rc3

vagrant@ubuntu12:~/github/edx-platform$ git checkout named-release/birch

Note: checking out 'named-release/birch'.

You are in 'detached HEAD' state. You can look around, make experimental

changes and commit them, and you can discard any commits you make in this

state without impacting any branches by performing another checkout.

If you want to create a new branch to retain commits you create, you may

do so (now or later) by using -b with the checkout command again. Example:

git checkout -b new\_branch\_name

HEAD is now at 464ae71... Bump MongoDBProxy to handle AutoReconnect during find\_one

copy id\_rsa to ~/.ssa

$ chmod 400 id\_rsa

vagrant@ubuntu12:~/github/edx-platform$ git branch kmooc.rc0

vagrant@ubuntu12:~/github/edx-platform$ git checkout kmooc.rc0

vagrant@ubuntu12:~/github/edx-platform$ git push -u origin kmooc.rc0

Total 0 (delta 0), reused 0 (delta 0)

To git@github.com:shevious/edx-platform.git

\* [new branch] kmooc.rc0 -> kmooc.rc0

Branch kmooc.rc0 set up to track remote branch kmooc.rc0 from origin.

Make kmooc.rc0 ‘default branch’ at github.com settings.

vagrant@ubuntu12:~/github/edx-platform$ vi README.md

vagrant@ubuntu12:~/github/edx-platform$ git add --all

vagrant@ubuntu12:~/github/edx-platform$ git commit --all -m "kmooc.rc0 branch created"

[kmooc.rc0 452ac33] kmooc.rc0 branch created

1 file changed, 3 insertions(+)

vagrant@ubuntu12:~/github/edx-platform$ git push -u origin

Counting objects: 5, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 313 bytes, done.

Total 3 (delta 2), reused 0 (delta 0)

To git@github.com:shevious/edx-platform.git

464ae71..452ac33 kmooc.rc0 -> kmooc.rc0

Branch kmooc.rc0 set up to track remote branch kmooc.rc0 from origin.

Branch master set up to track remote branch master from origin.

* 1. **Hosting edx production**

<https://github.com/edx/configuration/wiki/Hosting-edX-in-Production>

### aws & jenkins

<https://speakerdeck.com/jarv/how-edx-uses-ansible>

<https://speakerdeck.com/jarv/edx-deployment-aws>

Hosting edX in Production

<https://open.edx.org/videos/edx-hosting-architecture>

Hosting edX in Production

<https://openedx.atlassian.net/wiki/display/OpenOPS/Hosting+edX+in+Production>

## db split

<https://groups.google.com/forum/#!topic/edx-code/_weS_Y_YhLU>

<https://github.com/edx/configuration/wiki/Preparation-For-Production-Launch>

<http://ngi644.net/blog/archives/1086>

* 1. **configuration**

<http://hackersome.com/p/natea/configuration>

* 1. **OAuth & CAS (open source)**

Java

<http://stackoverflow.com/questions/10296681/is-there-an-oauth-2-0-provider-implementation-in-java-not-oauth-client>

<https://github.com/OAuth-Apis/apis>

<https://github.com/stepanowon/OAuth_20>

spring

<http://projects.spring.io/spring-security-oauth/docs/Home.html>

django

<http://django-oauth-toolkit.readthedocs.org/en/latest/tutorial/tutorial_01.html>

CAS on Windows

<http://blog.lukesampson.com/cas-on-windows-localhost-setup-in-5-mins>

Setting Up External Authentification (open edx)

<https://github.com/edx/configuration/wiki/Setting-Up-External-Authentication>

<https://groups.google.com/forum/#!topic/edx-code/1eerZ4k4xk8>

<http://edx-code.narkive.com/PDYa6yUB/external-auth-cas-and-userprofile>

<https://groups.google.com/forum/#!topic/edx-code/b1ccc6dJ6ZE>

django-mama-cas

<https://github.com/jbittel/django-mama-cas>

django-cas-provider

<https://github.com/mitocw/django-cas-provider>

OAuth2 Server Library for PHP

<https://bshaffer.github.io/oauth2-server-php-docs/>

demo

<http://brentertainment.com/oauth2/>

third party auth demo

<https://www.youtube.com/watch?v=w9a5bajXpgY>

cas vagrant test server

<http://hackersome.com/p/ubc/vagrant-cas>

* 1. **Ansible**

<https://www.digitalocean.com/community/tutorials/how-to-install-and-configure-ansible-on-an-ubuntu-12-04-vps>

<http://deview.kr/2014/session?seq=15>

<http://www.slideshare.net/SarahZelechoski>

<https://www.reinteractive.net/posts/167-ansible-real-life-good-practices>

* 1. **수식 편집기**

<http://www.tuhh.de/MathJax/test/sample-dynamic-2.html>

* 1. **vagrant**

How to Create a Vagrant Base Box from an Existing One

<https://scotch.io/tutorials/how-to-create-a-vagrant-base-box-from-an-existing-one>

<http://tumblr.nrako.com/post/22319686853/ubuntu-precise-vagrant-box>

<http://docs.vagrantup.com/v2/providers/basic_usage.html>

* + 1. **new precise64 vagrant box (auto)**
    2. **new precise64 vagrant box (auto2)**

D:\precise64>vagrant box add precise64 http://files.vagrantup.com/precise64.box

D:\precise64>vagrant init precise64

D:\precise64>vagrant plugin install vagrant-vbguest

D:\precise64>vagrant up

* + 1. **new precise64 vagrant box (manual)**

D:\precise64>vagrant box add precise64 http://files.vagrantup.com/precise64.box

D:\precise64>vagrant init

**Edit Vagrant file**

config.vm.network "private\_network", ip: "192.168.33.11"

config.vm.network "forwarded\_port", guest: 8080, host: 8080

config.vm.network "forwarded\_port", guest: 8088, host: 8088

config.vm.network "forwarded\_port", guest: 22, host: 2224, id: "ssh", auto\_correct: true

config.vm.provider :virtualbox do |vb|

#vb.customize ["modifyvm", :id, "--memory", MEMORY.to\_s]

#vb.customize ["modifyvm", :id, "--cpus", CPU\_COUNT.to\_s]

vb.name = "kotech1"

vb.cpus = 2

vb.memory = 4096

#vb.gui = true

# Allow DNS to work for Ubuntu 12.10 host

# http://askubuntu.com/questions/238040/how-do-i-fix-name-service-for-vagrant-client

vb.customize ["modifyvm", :id, "--natdnshostresolver1", "on"]

end

$ sudo apt-get update –y

$ sudo apt-get upgrade –y

(부트 섹터 선택 – 맨 위에걸로 선택 sda)

* 1. **django oauth**

install django

vagrant@precise64:~$ sudo apt-get install python-pip

vagrant@precise64:~$ sudo pip install django

vagrant@precise64:~$ python

Python 2.7.3 (default, Dec 18 2014, 19:10:20)

[GCC 4.6.3] on linux2

Type "help", "copyright", "credits" or "license" for more information.

>>> import django

>>> print(django.get\_version())

1.8.2

>>> exit()

<http://django-oauth-toolkit.herokuapp.com/>

<http://django-oauth-toolkit.readthedocs.org/en/latest/tutorial/tutorial_01.html>

$ sudo pip install django-oauth-toolkit django-cors-headers

vagrant@precise64:~/mysite$ python manage.py runserver

Performing system checks...

System check identified no issues (0 silenced).

You have unapplied migrations; your app may not work properly until they are applied.

Run 'python manage.py migrate' to apply them.

June 25, 2015 - 12:09:19

Django version 1.8.2, using settings 'mysite.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CONTROL-C.

^Cvagrant@precise64:~/mysite$ python manage.py migrate

Operations to perform:

Synchronize unmigrated apps: staticfiles, corsheaders, messages

Apply all migrations: admin, oauth2\_provider, contenttypes, auth, sessions

Synchronizing apps without migrations:

Creating tables...

Creating table corsheaders\_corsmodel

Running deferred SQL...

Installing custom SQL...

Running migrations:

Rendering model states... DONE

Applying contenttypes.0001\_initial... OK

Applying auth.0001\_initial... OK

Applying admin.0001\_initial... OK

Applying contenttypes.0002\_remove\_content\_type\_name... OK

Applying auth.0002\_alter\_permission\_name\_max\_length... OK

Applying auth.0003\_alter\_user\_email\_max\_length... OK

Applying auth.0004\_alter\_user\_username\_opts... OK

Applying auth.0005\_alter\_user\_last\_login\_null... OK

Applying auth.0006\_require\_contenttypes\_0002... OK

Applying oauth2\_provider.0001\_initial... OK

Applying sessions.0001\_initial... OK

vagrant@precise64:~/mysite$

<https://docs.djangoproject.com/en/1.8/topics/auth/default/>

<http://www.effectivedjango.com/tutorial/authzn.html>

* + 1. **provider만들기**

$ django-admin startproject myprovider

$ cd myprovider

$ chmod 755 manage.py

$ ./manage.py syncdb (migrate, createsuperuser)

$ ./manage.py runserver 0.0.0.0:8080

(django 기본 서비스 보이는 지 확인, /admin 확인 )

**settings.py:**

INSTALLED\_APPS = (

....

'oauth2\_provider',

'corsheaders',

)

MIDDLEWARE\_CLASSES = (

...

'corsheaders.middleware.CorsMiddleware',

)

CORS\_ORIGIN\_ALLOW\_ALL = True

TEMPLATES = [

{

'BACKEND': 'django.template.backends.django.DjangoTemplates',

'DIRS': [ os.path.join(BASE\_DIR, 'templates'), ],

'APP\_DIRS': True,

'OPTIONS': {

'context\_processors': [

'django.template.context\_processors.debug',

'django.template.context\_processors.request',

'django.contrib.auth.context\_processors.auth',

'django.contrib.messages.context\_processors.messages',

],

},

},

]

**urls.py:**

from .views import ApiEndpoint

urlpatterns = [

url(r'^admin/', include(admin.site.urls)),

url(r'^o/', include('oauth2\_provider.urls', namespace='oauth2\_provider')),

url(r'^accounts/login/$', 'django.contrib.auth.views.login'),

url(r'^accounts/logout/$', 'django.contrib.auth.views.logout'),

url(r'^api/hello', ApiEndpoint.as\_view()), # and also a resource server!

]

**views.py:**

from oauth2\_provider.views.generic import ProtectedResourceView

from django.http import HttpResponse

class ApiEndpoint(ProtectedResourceView):

def get(self, request, \*args, \*\*kwargs):

return HttpResponse('Hello, OAuth2!')

**templates/base.html:**

<html>

<head>

<title>{% block title %}{% endblock %}</title>

{% block extrahead %}{% endblock %}

</head>

<body>

{% block postman\_menu %}{% endblock %}

{% block content %}{% endblock %}

</body>

</html>

**templates/registration/login.html:**

{% extends "base.html" %}

{% block content %}

{% if form.errors %}

<p>Your username and password didn't match. Please try again.</p>

{% endif %}

<form method="post" action="{% url 'django.contrib.auth.views.login' %}">

{% csrf\_token %}

<table>

<tr>

<td>{{ form.username.label\_tag }}</td>

<td>{{ form.username }}</td>

</tr>

<tr>

<td>{{ form.password.label\_tag }}</td>

<td>{{ form.password }}</td>

</tr>

</table>

<input type="submit" value="login" />

<input type="hidden" name="next" value="{{ next }}" />

</form>

{% endblock %}

OAuth2서버 기동:

$ ./manage.py migrate

$ ./manage.py runserver 0.0.0.0:8080

**테스트:**

서버설정: <http://127.0.0.1:8080/o/applications/>

<http://django-oauth-toolkit.herokuapp.com/>

<https://django-oauth-toolkit.readthedocs.org/en/latest/tutorial/tutorial_01.html#create-an-oauth2-client-application>

서버에 앱 등록:

Name: testapp (아무거나)

Client type: Confidential

Authorization grant type: Authorization code

Redirect uris: <http://django-oauth-toolkit.herokuapp.com/consumer/exchange/>

클라이언트:

<http://django-oauth-toolkit.herokuapp.com/consumer/>

id복사

authorization url: <http://127.00.0.1:8080/o/authorize>/

<token 테스트>

id, secret 복사, token url: <http://127.00.0.1:8080/o/token/>

<token refresh 테스트>

성공

* + 1. **third party auth 분석**

pip package 확인하는 법

$ pip list

$ pip show python-social-auth

rake 테스트 동작안함. (paver test\_python의 기능은?)

* + 1. **python-social authentication**

<http://psa.matiasaguirre.net/>

preciese64 vagrant, django환경

설치:

$ pip install python-social-auth

**테스트1:**

$ git clone <https://github.com/omab/python-social-auth.git>

$ cd examples/django-example

$ ./manage.py syncdb

$ ./manage.py runserver 0.0.0.0:8080

다음 섹션으로 계속

* + 1. **django\_social\_project**

**테스트2:**

<https://realpython.com/blog/python/adding-social-authentication-to-django/>

twitter app - shevious계정으로 연결

key 설정 전에는 404오류발생

key 설정 후 정상 동작

<Friendly Views 추가>

<google 추가> (예정)

이틀간 작업함. (기록 필요함)

로그인 1회 성공후 – social\_user가 None으로 설정되는 오류 현상.

로그인 시 “id”가 없어서 django-admin의 social 관련 테이블에 신규추가가 안됨.

provdider의 앱 api/hello를 수정해서 “id” 필드를 반환하게 함.

username\_signup.html 템플릿

<https://github.com/omab/psa-allauth/blob/master/example/templates/username_signup.html>

* + 1. **python-social-auth에 lifelongedu 추가**

작업 성공(기록 필요함)

### open edx third party authentication

lms.auth.json 수정

"THIRD\_PARTY\_AUTH": {

"Google": {

"SOCIAL\_AUTH\_GOOGLE\_OAUTH2\_KEY": "google\_key",

"SOCIAL\_AUTH\_GOOGLE\_OAUTH2\_SECRET": "google\_secret"

},

"LinkedIn": {

"SOCIAL\_AUTH\_LINKEDIN\_OAUTH2\_KEY": "linkedin\_key",

"SOCIAL\_AUTH\_LINKEDIN\_OAUTH2\_SECRET": "linkedin\_secret"

},

"Facebook": {

"SOCIAL\_AUTH\_FACEBOOK\_KEY": "linkedin\_key",

"SOCIAL\_AUTH\_FACEBOOK\_SECRET": "linkedin\_secret"

},

"Lifelongedu": {

"SOCIAL\_AUTH\_LIFELONGEDU\_KEY": "onyWnQkxElbrXTsAvOo5YbQ30Elsojv5orBUC4SD",

"SOCIAL\_AUTH\_LIFELONGEDU\_SECRET": "BP4ZAolWyQjaYmJ06JspOI1URljBQH0wdrDBEuC1raxwukR0bfaryvAykCiSGNLGKz1WD7fCmknryizkZ4C7VScEYJEjWMIWYsBWZlFQyuPmBHc5KmnpKsyJM748cKwB"

},

"Twitter": {

"SOCIAL\_AUTH\_TWITTER\_KEY": "No17nbxqIugMkRwtm1qzkqgxA",

"SOCIAL\_AUTH\_TWITTER\_SECRET": "chiVWxRu88oDIS70JVnBepS71xujtcNQl0BWoyEBwVcsYMj4Jg"

},

"Username": {

"SOCIAL\_AUTH\_USERNAME\_FORM\_HTML": "username\_signup.html"

}

}

~/edx-platform/common/djangoapps/third\_party\_auth/provider.py 수정

from social.backends import google, linkedin, facebook, twitter, username

from . import lifelongedu

class GoogleOauth2(BaseProvider):

"""Provider for Google's Oauth2 auth system."""

BACKEND\_CLASS = google.GoogleOAuth2

ICON\_CLASS = 'fa-google-plus'

NAME = 'Google'

SETTINGS = {

'SOCIAL\_AUTH\_GOOGLE\_OAUTH2\_KEY': None,

'SOCIAL\_AUTH\_GOOGLE\_OAUTH2\_SECRET': None,

}

@classmethod

def get\_email(cls, provider\_details):

return provider\_details.get('email')

@classmethod

def get\_name(cls, provider\_details):

return provider\_details.get('fullname')

class LinkedInOauth2(BaseProvider):

"""Provider for LinkedIn's Oauth2 auth system."""

BACKEND\_CLASS = linkedin.LinkedinOAuth2

ICON\_CLASS = 'fa-linkedin'

NAME = 'LinkedIn'

SETTINGS = {

'SOCIAL\_AUTH\_LINKEDIN\_OAUTH2\_KEY': None,

'SOCIAL\_AUTH\_LINKEDIN\_OAUTH2\_SECRET': None,

}

@classmethod

def get\_email(cls, provider\_details):

return provider\_details.get('email')

@classmethod

def get\_name(cls, provider\_details):

return provider\_details.get('fullname')

class FacebookOauth2(BaseProvider):

"""Provider for LinkedIn's Oauth2 auth system."""

BACKEND\_CLASS = facebook.FacebookOAuth2

ICON\_CLASS = 'fa-facebook'

NAME = 'Facebook'

SETTINGS = {

'SOCIAL\_AUTH\_FACEBOOK\_KEY': None,

'SOCIAL\_AUTH\_FACEBOOK\_SECRET': None,

}

@classmethod

def get\_email(cls, provider\_details):

return provider\_details.get('email')

@classmethod

def get\_name(cls, provider\_details):

return provider\_details.get('fullname')

class LifelongeduOauth2(BaseProvider):

"""Provider for Lifelongedu's Oauth2 auth system."""

BACKEND\_CLASS = lifelongedu.LifelongeduOAuth2

ICON\_CLASS = 'fa-username'

NAME = 'Lifelongedu'

SETTINGS = {

'SOCIAL\_AUTH\_LIFELONGEDU\_KEY': None,

'SOCIAL\_AUTH\_LIFELONGEDU\_SECRET': None,

}

@classmethod

def get\_email(cls, provider\_details):

return provider\_details.get('email')

@classmethod

def get\_name(cls, provider\_details):

return provider\_details.get('fullname')

class TwitterOauth(BaseProvider):

"""Provider for Lifelongedu's Oauth2 auth system."""

BACKEND\_CLASS = twitter.TwitterOAuth

ICON\_CLASS = 'fa-twitter'

NAME = 'Twitter'

SETTINGS = {

'SOCIAL\_AUTH\_TWITTER\_KEY': None,

'SOCIAL\_AUTH\_TWITTER\_SECRET': None,

}

@classmethod

def get\_email(cls, provider\_details):

return provider\_details.get('email')

@classmethod

def get\_name(cls, provider\_details):

return provider\_details.get('fullname')

class Usernameauth(BaseProvider):

"""Provider for Lifelongedu's Oauth2 auth system."""

BACKEND\_CLASS = username.UsernameAuth

ICON\_CLASS = 'fa-username'

NAME = 'Username'

SETTINGS = {

# 'SOCIAL\_AUTH\_USERNAME\_KEY': None,

# 'SOCIAL\_AUTH\_USERNAME\_SECRET': None,

# 'SOCIAL\_AUTH\_USERNAME\_FORM\_HTML': 'username\_signup.html',

'SOCIAL\_AUTH\_USERNAME\_FORM\_HTML': None,

}

@classmethod

def get\_email(cls, provider\_details):

return provider\_details.get('email')

@classmethod

def get\_name(cls, provider\_details):

return provider\_details.get('fullname')

from social.backends.oauth import BaseOAuth2

from django.utils.http import urlencode

import json

lifelongedu.py 추가:

class LifelongeduOAuth2(BaseOAuth2):

"""Lifelongedu OAuth authentication backend"""

name = 'lifelongedu'

AUTHORIZATION\_URL = 'http://121.78.115.125:8080/o/authorize'

ACCESS\_TOKEN\_URL = 'http://121.78.115.125:8080/o/token/'

# AUTHORIZATION\_URL = 'https://github.com/login/oauth/authorize'

# ACCESS\_TOKEN\_URL = 'https://github.com/login/oauth/access\_token'

SCOPE\_SEPARATOR = ','

# STATE\_PARAMETER = 'random\_state\_string'

# STATE\_PARAMETER = False

# REDIRECT\_STATE = False

# STATE\_PARAMETER = True

# REDIRECT\_STATE = True

ACCESS\_TOKEN\_METHOD = 'POST'

EXTRA\_DATA = [

('id', 'id'),

('expires', 'expires'),

]

def get\_user\_details(self, response):

"""Return user details from Github account"""

return {'username': response.get('login'),

'email': response.get('email') or '',

'first\_name': response.get('name'),

'fullname': response.get('fullname'),

'last\_name': response.get('last\_name'),

'id': response.get('id'),

'uid': response.get('id') }

# return {'username': response.get('login'),

# 'email': response.get('email') or '',

# 'first\_name': response.get('name'),

# 'fullname': response.get('name'),

# 'provider': response.get('name'),

# 'uid': response.get('id') }

def user\_data(self, access\_token, \*args, \*\*kwargs):

"""Loads user data from service"""

url = 'http://121.78.115.125:8080/api/hello?' + urlencode({

# url = 'http://api.github.com/user?' + urlencode({

'access\_token': access\_token

})

# url = 'https://121.78.115.125:8080/api/hello?' + {

# 'access\_token': access\_token

# }

try:

return self.get\_json(url)

except ValueError:

return None

pipeline.py 추가부분:

def parse\_query\_params(strategy, response, \*args, \*\*kwargs):

"""Reads whitelisted query params, transforms them into pipeline args."""

""" pipe line for password validation for username backends """

if strategy.backend.name == 'username':

username = strategy.request\_data()['username']

password = strategy.request\_data()['password']

print "username=", username, " password=", password

if strategy.backend.name == 'username' and not (password == 'edx'):

# return {'user':None, 'social': None}

raise AuthEntryError(strategy.backend, 'wrong password')

# raise AuthException(strategy.backend)

**common/templates/username\_signup.html 추가:**

{% extends "base.html" %}

{% load url from future %}

{% block content %}

<form action="{% url 'social:complete' "username" %}" method="post">{% csrf\_token %}

<p>

<label for="username">Username:</label>

<input id="username" type="text" name="username" value="" />

</p>

<p>

<label for="password">Password:</label>

<input id="password" type="password" name="password" value="" />

</p>

<button>Signup</button>

</form>

{% endblock %}

**common/templates/base.html 추가:**

<html>

<head>

<title>{% block title %}{% endblock %}</title>

{% block extrahead %}{% endblock %}

</head>

<body>

{% block postman\_menu %}{% endblock %}

{% block content %}{% endblock %}

</body>

</html>

~

### git hub user data

vagrant@precise64:~/django\_social\_project$ curl -L https://api.github.com/user?access\_token=baa803463f4221ba920b1e496640029fe9da420f

{

"login": "shevious",

"id": 12979664,

"avatar\_url": "https://avatars.githubusercontent.com/u/12979664?v=3",

"gravatar\_id": "",

"url": "https://api.github.com/users/shevious",

"html\_url": "https://github.com/shevious",

"followers\_url": "https://api.github.com/users/shevious/followers",

"following\_url": "https://api.github.com/users/shevious/following{/other\_user}",

"gists\_url": "https://api.github.com/users/shevious/gists{/gist\_id}",

"starred\_url": "https://api.github.com/users/shevious/starred{/owner}{/repo}",

"subscriptions\_url": "https://api.github.com/users/shevious/subscriptions",

"organizations\_url": "https://api.github.com/users/shevious/orgs",

"repos\_url": "https://api.github.com/users/shevious/repos",

"events\_url": "https://api.github.com/users/shevious/events{/privacy}",

"received\_events\_url": "https://api.github.com/users/shevious/received\_events",

"type": "User",

"site\_admin": false,

"public\_repos": 5,

"public\_gists": 0,

"followers": 0,

"following": 0,

"created\_at": "2015-06-20T16:00:06Z",

"updated\_at": "2015-06-28T09:14:32Z"

}

<https://github.com/teddziuba/django-sslserver>

### 카카오톡

<https://developers.kakao.com/docs/restapi>

<http://django-oauth-toolkit.herokuapp.com/consumer> 에서 테스트 방법

카카오 엡-웹 정보에 사이트도메인 <http://django-oauth-toolkit.herokuapp.com>

Redirect\_path는 /consumer/exchange로 입력

rest api키를 client api 키에 입력.

서버 주소에는 <https://kauth.kakao.com/oauth/authorize> 입력

버튼을 누르고 앱 활성화를 하면, 카카오에서 redirect\_uri 오류 메시지 표시.

herokuapp에는 redirect\_uri가 없음. (카카오는 redirect uri도 정확해야함.)

에러난 웹주소에 redirect\_uri=http://django-oauth-toolkit.herokuapp.com/consumer/exchange추가

(로그인 까지 테스트)

python-social-auth-example:

kakao id 입력하면 됨 (secret 필요없음)

### python-social-auth Disconnect시 오류

<http://stackoverflow.com/questions/20589948/python-social-auth-notallowedtodisconnect-at-disconnect-facebook-1>

* 1. **bulk email**

<http://www.dangtrinh.com/2014/06/edx-platform-how-to-enable-bulk-email.html>

<https://github.com/edx/edx-platform/wiki/Bulk-Email>

<https://groups.google.com/forum/#!topic/openedx-ops/kb4WMNQQXsk>

4. Enable email template Course:  
    Home --> Bulk\_Email --> Course email templates.  
        Html template: {{message\_body}}  
        Plain template: {{message\_body}}  
        Name: 빈칸

### django 함수

https://docs.djangoproject.com/en/1.8/topics/email/

* 1. **유튜브 자막**

<https://www.youtube.com/watch?v=QRS8MkLhQmM>

* 1. **./managy.py**

<https://github.com/edx/configuration/wiki/edX-Managing-the-Full-Stack>

* + 1. **이메일 목록**

edx/app/edxapp/edx-platform$ sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws emaillist

* + 1. **패스워드 변경**

sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws changepassword enguser

### Python Django library path 찾기

$ python

>>> import.sys

>>> print sys.path

## preview

<http://edx-release-notes.readthedocs.org/en/latest/2015/05-12-2015.html#studio>

5월12일 부터 preview 가능

sudo ansible-playbook -c local --limit "localhost:127.0.0.1" ./vagrant-fullstack.yml -i "localhost," -e 'EDXAPP\_PREVIEW\_LMS\_BASE=preview.edxserver2 EDXAPP\_LMS\_BASE=edxserver2 EDXAPP\_LMS\_PREVIEW\_NGINX\_PORT=80 EDXAPP\_CMS\_BASE=studio.edxserver2 EDXAPP\_CMS\_NGINX\_PORT=18010 EDXAPP\_LMS\_NGINX\_PORT=80 edx\_platform\_version=named-release/cypress.rc3 certs\_version=named-release/cypress.rc3 forum\_version=named-release/cypress.rc3 xqueue\_version=named-release/cypress.rc3'

### 직접변경

listen 80;

## elastic search

<http://edx-installing-configuring-and-running.readthedocs.org/en/latest/configuration/edx_search.html>

<https://github.com/edx/edx-documentation/blob/master/en_us/install_operations/source/configuration/enable_course_search.rst#id2>

검색은 cypress부터 적용가능함.

<https://groups.google.com/forum/#!topic/edx-code/WEbuZmGup8o>

## ban user

<http://edx.readthedocs.org/en/latest/internal_data_formats/sql_schema.html>.

## named-release/cypress.rc3

D:\fullcypressrc2>set OPENEDX\_RELEASE="named-release/cypress.rc3"

D:\fullcypressrc2>curl -L https://github.com/edx/configuration/raw/named-release/cypress.rc/vagrant/release/fullstack/Vagrantfile > Vagrantfile

## migration to birch to cypress.rc3 / cypress.rc4

1) entrance exam

2)한글화

3)db backup restore

mongodump -o ./mongo-backup

mongorestore -drop ./mongo-backup

mysqldump -u root -p --all-databases > ./backup.sql

mysql -u root -p < ./backup.sql

restore 하기 전에 mysql의 edxapp 데이터베이스를 drop 해야함.

4)xblock enable

5)xblock 설치

6)db migration

7)reboot

## migration to test server to 2+1 configuration

### backup old system

mongodump -o ./mongo-backup

mysqldump -u root -p --all-databases > ./backup.sql

lms.env.json, lms.auth.json, cms.env.json, cms.auth.json

### env variables

lms.env.json, lms.auth.json, cms.env.json, cms.auth.json

lms.auth.json cms.auth.json

"EMAIL\_HOST\_PASSWORD": "",

"EMAIL\_HOST\_USER": "",

cms.env.json

edxapp@ip-172-31-23-94:~$ diff cms.env.json /home/ubuntu/backup/cms.env.json

58c58

< "KEY\_PREFIX": "ip-172-31-23-94\_general",

---

> "KEY\_PREFIX": "precise64\_general",

72c72

< "CMS\_BASE": "",

---

> "CMS\_BASE": "edx.kotech.biz:18010",

89c89

< "EMAIL\_HOST": "localhost",

---

> "EMAIL\_HOST": "smtp.gmail.com",

91c91

< "EMAIL\_USE\_TLS": false,

---

> "EMAIL\_USE\_TLS": true,

92a93,97

> "LICENSING": true,

> "MILESTONES\_APP": true,

> "ENABLE\_PREREQUISITE\_COURSES": true,

> "ENTRANCE\_EXAMS": true,

> "ALLOW\_ALL\_ADVANCED\_COMPONENTS": true,

110c115

< "PREVIEW\_LMS\_BASE": "",

---

> "PREVIEW\_LMS\_BASE": "preview.kotech.biz",

136,137c141,142

< "LANGUAGE\_CODE": "en",

< "LMS\_BASE": "",

---

> "LANGUAGE\_CODE": "ko-kr",

> "LMS\_BASE": "edx.kotech.biz",

153c158

< "PLATFORM\_NAME": "Your Platform Name Here",

---

> "PLATFORM\_NAME": "KMOOC",

170c175

< "SITE\_NAME": "localhost",

---

> "SITE\_NAME": "edx.kotech.biz",

182c187

< "TIME\_ZONE": "America/New\_York",

---

> "TIME\_ZONE": "Asia/Seoul",

lms.env.json:

edxapp@ip-172-31-23-94:~$ diff lms.env.json /home/ubuntu/backup/lms.env.json

62c62

< "KEY\_PREFIX": "ip-172-31-23-94\_general",

---

> "KEY\_PREFIX": "precise64\_general",

76c76

< "CMS\_BASE": "",

---

> "CMS\_BASE": "edx.kotech.biz:18010",

106c106

< "EMAIL\_HOST": "localhost",

---

> "EMAIL\_HOST": "smtp.gmail.com",

108c108

< "EMAIL\_USE\_TLS": false,

---

> "EMAIL\_USE\_TLS": true,

109a110,114

> "LICENSING": true,

> "MILESTONES\_APP": true,

> "ENABLE\_PREREQUISITE\_COURSES": true,

> "ENABLE\_INSTRUCTOR\_EMAIL": true,

> "REQUIRE\_COURSE\_EMAIL\_AUTH": false,

124c129

< "ENABLE\_THIRD\_PARTY\_AUTH": false,

---

> "ENABLE\_THIRD\_PARTY\_AUTH": true,

127c132

< "PREVIEW\_LMS\_BASE": "",

---

> "PREVIEW\_LMS\_BASE": "preview.kotech.biz",

131a137,140

> "THIRD\_PARTY\_AUTH\_BACKENDS": [

> "social.backends.kakao.KakaoOAuth2",

> "third\_party\_auth.naver.NaverOAuth2"

> ],

153,154c162,163

< "LANGUAGE\_CODE": "en",

< "LMS\_BASE": "",

---

> "LANGUAGE\_CODE": "ko-kr",

> "LMS\_BASE": "edx.kotech.biz",

183c192

< "PLATFORM\_NAME": "Your Platform Name Here",

---

> "PLATFORM\_NAME": "KMOOC",

209c218

< "SITE\_NAME": "localhost",

---

> "SITE\_NAME": "edx.kotech.biz",

221c230

< "TIME\_ZONE": "America/New\_York",

---

> "TIME\_ZONE": "Asia/Seoul",

### third party auth source

$ cp ~ubuntu/backup/naver.py /edx/app/edxapp/edx-platform/common/djangoapps/third\_party\_auth/

### stop service

sudo /edx/bin/supervisorctl stop edxapp:

sudo /edx/bin/supervisorctl stop edxapp\_worker:

### restore db

### reboot application server

## entrance exam

cms/envs/common.py lms/envs/common.py

# Milestones application flag

'MILESTONES\_APP': True,

lms/envs/common.py

# Entrance exams feature flag

'ENTRANCE\_EXAMS': True,

run db migration

<https://github.com/edx/configuration/wiki/edX-Managing-the-Full-Stack>

python /edx/app/edxapp/edx-platform/manage.py lms syncdb --migrate --settings=aws

python /edx/app/edxapp/edx-platform/manage.py cms syncdb --migrate --settings=aws

reboot

## 선수과목(prerequisite course)

cms/envs/common.py lms/envs/common.py

# Milestones application flag

'MILESTONES\_APP': True,

cms/envs/common.py lms/envs/common.py

# Prerequisite courses feature flag

'ENABLE\_PREREQUISITE\_COURSES': True,

run db migration

<https://github.com/edx/configuration/wiki/edX-Managing-the-Full-Stack>

python /edx/app/edxapp/edx-platform/manage.py lms syncdb --migrate –settings=aws

python /edx/app/edxapp/edx-platform/manage.py cms syncdb --migrate –settings=aws

reboot

## Third party auth in cypress

lms.env.json에 ENABLE\_THIRD\_PARTY\_AUTH를 yes

migrate lms db

lms.env.json에 THIRD\_PARTY\_AUTH\_BACKENDS 추가

"THIRD\_PARTY\_AUTH\_BACKENDS": [

//"social.backends.kakao.KakaoOAuth2",

"third\_party\_auth.naver.NaverOAuth2"

],

새로운 backends file: naver.py, lifelongedu.py 추가 edx-platform/common/djangoapps/third\_party\_auth

edxapp 재기동

django admin에서 설정 추가

## mongo db

<https://github.com/edx/edx-platform/wiki/Shell-commands>

모든 코스 리스트

$ mongo

> use edxapp

> db.modulestore.find( { "\_id.category" : "course" }, {'name':'1'} )

## super user만들기

<https://github.com/edx/configuration/wiki/edX-Managing-the-Full-Stack>

cd /edx/app/edxapp/edx-platform

sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws create\_user -s -p edx -e admin@example.com

sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws changepassword admin

sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings aws shell

from django.contrib.auth.models import User

me = User.objects.get(username="admin")

me.is\_superuser = True

me.is\_staff = True

me.save()

### batch user 만들기

echo "from django.contrib.auth.models import User; User.objects.create\_user('guest02', 'guest02@example.com', 'pass')" | sudo -u www-data /edx/bin/python.edxapp ./manage.py lms --settings=aws shell

## deleting demoX

<https://groups.google.com/forum/#!topic/edx-code/CZu3uuTw-nE>

## debug message in Vagrantfile

# Did we specify an openedx release?

if [ -n "$OPENEDX\_RELEASE" ]; then

EXTRA\_VARS="-e edx\_platform\_version=$OPENEDX\_RELEASE \

-e certs\_version=$OPENEDX\_RELEASE \

-e forum\_version=$OPENEDX\_RELEASE \

-e xqueue\_version=$OPENEDX\_RELEASE \

"

CONFIG\_VER=$OPENEDX\_RELEASE

# Need to ensure that the configuration repo is updated

# The vagrant-devstack.yml playbook will also do this, but only

# after loading the playbooks into memory. If these are out of date,

# this can cause problems (e.g. looking for templates that no longer exist).

echo "debug by shevious 1: CONFIG\_VER="

echo $CONFIG\_VER

/edx/bin/update configuration $CONFIG\_VER

else

echo "debug by shevious 2: CONFIG\_VER="

echo $CONFIG\_VER

CONFIG\_VER="release"

fi

## devstack on Ubuntu 12.04 legacy server

### vagrant install

http://www.icchasethi.com/installing-latest-vagrant-and-virtualbox-version-on-ubuntu-12-01/

dev@dev:~/devstack$ sudo dpkg -i /home/dev/Downloads/vagrant\_1.7.4\_x86\_64.deb

### install nfs

https://www.digitalocean.com/community/tutorials/how-to-set-up-an-nfs-mount-on-ubuntu-12-04

apt-get install nfs-kernel-server portmap

### install java jdk 8

<https://www.digitalocean.com/community/tutorials/how-to-install-java-on-ubuntu-with-apt-get>

$ sudo apt-get install default-jre

$ sudo apt-get install default-jdk

$ sudo apt-get install python-software-properties

$ sudo add-apt-repository ppa:webupd8team/java

$ sudo apt-get update

$ sudo apt-get install oracle-java8-installer

### install pycharm

https://sumnous.wordpress.com/2012/10/17/install-pycharm-and-jdk-on-ubuntu-12-04/

dev@dev:~$ tar -xvzf Downloads/pycharm-professional-4.5.3.tar.gz

$

## content creation right management

https://github.com/edx/edx-platform/wiki/Controlling-course-creation-rights

https://opencoderblog.wordpress.com/2014/02/20/managing-course-creation-rights-in-edx/

## certificate (cypress)

lms.env.json, cms.env.json FEATURES:

"CERTIFICATES\_HTML\_VIEW": true,

rc.local:

# rc.local

#

dhclient eth0

sudo -u www-data mkdir /tmp/certificates

exit 0

migrate database

{

"default": {

"accomplishment\_class\_append": "accomplishment-certificate",

"platform\_name": "K-MOOC",

"company\_about\_url":"http://edx.kotech.biz:8041/about",

"company\_privacy\_url": "http:// edx.kotech.biz:8041/privacy",

"company\_tos\_url": "http:// edx.kotech.biz:8041/tos",

"company\_verified\_certificate\_url": "http:// edx.kotech.biz:8041/blog",

"logo\_src": "/static/certificates/images/our\_logo.svg",

"logo\_url": " edx.kotech.biz:8041"

},

"honor": {

"certificate\_type": "honor",

"certificate\_title": "Honor Certificate",

"document\_body\_class\_append": "is-honorcode"

},

"verified": {

"certificate\_type": "verified",

"certificate\_title": "Verified Certificate",

"document\_body\_class\_append": "is-idverified"

},

"base": {

"certificate\_type": "base",

"certificate\_title": "Certificate of Achievement",

"document\_body\_class\_append": "is-base"

},

"distinguished": {

"certificate\_type": "distinguished",

"certificate\_title": "Distinguished Certificate of Achievement",

"document\_body\_class\_append": "is-distinguished"

}

}

**$ sudo /edx/bin/supervisorctl restart edxapp:**

https://groups.google.com/forum/#!topic/edx-code/XcUj5jsl4mg

https://openedx.atlassian.net/wiki/pages/viewpage.action?spaceKey=ECOM&title=How+to+Enable+On-Demand+Certificate+Download+for+Self-Paced+Courses

### update certificate 오류시

https://groups.google.com/forum/#!topic/openedx-ops/LCA-MrcLBYI

## update or reconfigure edx-platform

sudo /edx/bin/update edx-platform named-release/cypress

내부적으로는 다음과 같은 ansible이 수행됨

sudo /edx/app/edx\_ansible/venvs/edx\_ansible/bin/ansible-playbook -i localhost, -c local -e@/edx/app/edx\_ansible/server-vars.yml edxapp.yml -e edx\_platform\_version=named-release/cypress

server-vars.yml: (새로 생성함)

EDXAPP\_PREVIEW\_LMS\_BASE: "preview.kmooc.kr"

EDXAPP\_LMS\_BASE: "kmooc.kr"

EDXAPP\_CMS\_BASE: "studio.kmooc.kr"

EDXAPP\_LMS\_PREVIEW\_NGINX\_PORT: 80

EDXAPP\_LMS\_NGINX\_PORT: 80

EDXAPP\_CMS\_NGINX\_PORT: 80

테스트 실패: ansible은 정상적으로 수행이 되지만, 강의 구조가 구형임 kmooc/cs101/2015.

### test

server-vars.yml: (새로 생성함)

EDXAPP\_PREVIEW\_LMS\_BASE: "preview.kmooc.kr"

EDXAPP\_LMS\_BASE: "kmooc.kr"

EDXAPP\_CMS\_BASE: "studio.kmooc.kr"

EDXAPP\_LMS\_PREVIEW\_NGINX\_PORT: 80

EDXAPP\_LMS\_NGINX\_PORT: 80

EDXAPP\_CMS\_NGINX\_PORT: 80

edx\_platform\_version: "named-release/cypress"

certs\_version: "named-release/cypress"

forum\_version: "named-release/cypress"

xqueue\_version: "named-release/cypress"

configuration\_version: "named-release/cypress"

cd /edx/app/edx\_ansible/edx\_ansible/playbooks

sudo ansible-playbook -c local -i "localhost," -e@../server-vars.yml ./kmooc-cloud2.yml

sudo /edx/app/edx\_ansible/venvs/edx\_ansible/bin/ansible-playbook -i localhost, -c local -e@/edx/app/edx\_ansible/server-vars.yml vagrant-fullstack.yml

//EDXAPP\_PREVIEW\_LMS\_BASE: "preview.kmooc.kr"

//EDXAPP\_LMS\_BASE: "kmooc.kr"

//EDXAPP\_CMS\_BASE: "studio.kmooc.kr"

//EDXAPP\_LMS\_PREVIEW\_NGINX\_PORT: 80

//EDXAPP\_LMS\_NGINX\_PORT: 80

//EDXAPP\_CMS\_NGINX\_PORT: 80

MARIADB\_LISTEN\_ALL: true

edx\_platform\_version: "named-release/cypress"

certs\_version: "named-release/cypress"

forum\_version: "named-release/cypress"

xqueue\_version: "named-release/cypress"

configuration\_version: "named-release/cypress"

COMMON\_SSH\_PASSWORD\_AUTH: "yes"

ORA\_MYSQL\_HOST: "192.168.33.52"

EDXAPP\_MYSQL\_HOST: "192.168.33.52"

EDX\_NOTES\_API\_MYSQL\_HOST: "192.168.33.52"

XQUEUE\_MYSQL\_HOST: "192.168.33.52"

CERTS\_DOWNLOAD\_URL: 'http://192.168.33.52:18090'

CERTS\_VERIFY\_URL: 'http://192.168.33.52:18090'

EDXAPP\_MONGO\_HOSTS: ['192.168.33.52']

FORUM\_MONGO\_HOSTS: ['192.168.33.52']

- name: Configure instance(s)

hosts: all

sudo: True

gather\_facts: True

vars:

migrate\_db: 'yes'

openid\_workaround: true

EDXAPP\_LMS\_NGINX\_PORT: '80'

EDX\_ANSIBLE\_DUMP\_VARS: true

CERTS\_DOWNLOAD\_URL: 'http://kotech.iptime.org:18090'

CERTS\_VERIFY\_URL: 'http://kotech.iptime.org:18090'

# used for releases

edx\_platform\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

certs\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

forum\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

xqueue\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

roles:

- user

//- mariadb

- mongo

- role: nginx

nginx\_sites:

- xqueue

- certs

- edxlocal

//- { role: 'edxapp', celery\_worker: True }

//- { role: 'rabbitmq', rabbitmq\_ip: '127.0.0.1' }

- { role: "xqueue", update\_users: True }

- oraclejdk

- elasticsearch

- certs

Configure mysql to allow external access for the root user. In /etc/mysql/my.cnf add the line: bind-address = 0.0.0.0

and also execute the following mysql commands:

GRANT ALL PRIVILEGES ON \*.\* TO root@'%';

GRANT ALL PRIVILEGES ON \*.\* TO migrate@'%' IDENTIFIED BY 'password';

GRANT ALL PRIVILEGES ON \*.\* TO edxapp001@'%' IDENTIFIED BY 'password';

GRANT ALL PRIVILEGES ON \*.\* TO xqueue001@'%' IDENTIFIED BY 'password';

FLUSH PRIVILEGES;

- name: Configure instance(s)

hosts: all

sudo: True

gather\_facts: True

vars:

migrate\_db: 'yes'

openid\_workaround: true

EDXAPP\_LMS\_NGINX\_PORT: '80'

EDX\_ANSIBLE\_DUMP\_VARS: true

CERTS\_DOWNLOAD\_URL: 'http://192.168.33.52:18090'

CERTS\_VERIFY\_URL: 'http://192.168.33.52:18090'

# used for releases

edx\_platform\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

certs\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

forum\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

xqueue\_version: '{{ OPENEDX\_RELEASE | default("master") }}'

roles:

- edx\_ansible

- user

- role: nginx

nginx\_sites:

- cms

- lms

- forum

- xqueue

nginx\_default\_sites:

- lms

- cms

- edxapp

- { role: 'edxapp', celery\_worker: True }

- demo

- { role: 'rabbitmq', rabbitmq\_ip: '127.0.0.1' }

- forum

- { role: "xqueue", update\_users: True }

- role: analytics\_api

when: ANALYTICS\_API\_GIT\_IDENTITY

- edx\_ansible

agrant@cloud2:~$ mysql -uroot

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 92

Server version: 5.6.24-2+deb.sury.org~precise+2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use mysql;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> show tables;

+---------------------------+

| Tables\_in\_mysql |

+---------------------------+

| columns\_priv |

| db |

| event |

| func |

| general\_log |

| help\_category |

| help\_keyword |

| help\_relation |

| help\_topic |

| innodb\_index\_stats |

| innodb\_table\_stats |

| ndb\_binlog\_index |

| plugin |

| proc |

| procs\_priv |

| proxies\_priv |

| servers |

| slave\_master\_info |

| slave\_relay\_log\_info |

| slave\_worker\_info |

| slow\_log |

| tables\_priv |

| time\_zone |

| time\_zone\_leap\_second |

| time\_zone\_name |

| time\_zone\_transition |

| time\_zone\_transition\_type |

| user |

+---------------------------+

28 rows in set (0.01 sec)

mysql> desc user;

+------------------------+-----------------------------------+------+-----+-----------------------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------------------+-----------------------------------+------+-----+-----------------------+-------+

| Host | char(60) | NO | PRI | | |

| User | char(16) | NO | PRI | | |

| Password | char(41) | NO | | | |

| Select\_priv | enum('N','Y') | NO | | N | |

| Insert\_priv | enum('N','Y') | NO | | N | |

| Update\_priv | enum('N','Y') | NO | | N | |

| Delete\_priv | enum('N','Y') | NO | | N | |

| Create\_priv | enum('N','Y') | NO | | N | |

| Drop\_priv | enum('N','Y') | NO | | N | |

| Reload\_priv | enum('N','Y') | NO | | N | |

| Shutdown\_priv | enum('N','Y') | NO | | N | |

| Process\_priv | enum('N','Y') | NO | | N | |

| File\_priv | enum('N','Y') | NO | | N | |

| Grant\_priv | enum('N','Y') | NO | | N | |

| References\_priv | enum('N','Y') | NO | | N | |

| Index\_priv | enum('N','Y') | NO | | N | |

| Alter\_priv | enum('N','Y') | NO | | N | |

| Show\_db\_priv | enum('N','Y') | NO | | N | |

| Super\_priv | enum('N','Y') | NO | | N | |

| Create\_tmp\_table\_priv | enum('N','Y') | NO | | N | |

| Lock\_tables\_priv | enum('N','Y') | NO | | N | |

| Execute\_priv | enum('N','Y') | NO | | N | |

| Repl\_slave\_priv | enum('N','Y') | NO | | N | |

| Repl\_client\_priv | enum('N','Y') | NO | | N | |

| Create\_view\_priv | enum('N','Y') | NO | | N | |

| Show\_view\_priv | enum('N','Y') | NO | | N | |

| Create\_routine\_priv | enum('N','Y') | NO | | N | |

| Alter\_routine\_priv | enum('N','Y') | NO | | N | |

| Create\_user\_priv | enum('N','Y') | NO | | N | |

| Event\_priv | enum('N','Y') | NO | | N | |

| Trigger\_priv | enum('N','Y') | NO | | N | |

| Create\_tablespace\_priv | enum('N','Y') | NO | | N | |

| ssl\_type | enum('','ANY','X509','SPECIFIED') | NO | | | |

| ssl\_cipher | blob | NO | | NULL | |

| x509\_issuer | blob | NO | | NULL | |

| x509\_subject | blob | NO | | NULL | |

| max\_questions | int(11) unsigned | NO | | 0 | |

| max\_updates | int(11) unsigned | NO | | 0 | |

| max\_connections | int(11) unsigned | NO | | 0 | |

| max\_user\_connections | int(11) unsigned | NO | | 0 | |

| plugin | char(64) | YES | | mysql\_native\_password | |

| authentication\_string | text | YES | | NULL | |

| password\_expired | enum('N','Y') | NO | | N | |

+------------------------+-----------------------------------+------+-----+-----------------------+-------+

43 rows in set (0.00 sec)

mysql> select host,user,password from user;

+-----------+------------------+-------------------------------------------+

| host | user | password |

+-----------+------------------+-------------------------------------------+

| localhost | root | |

| cloud2 | root | |

| 127.0.0.1 | root | |

| ::1 | root | |

| localhost | | |

| cloud2 | | |

| localhost | debian-sys-maint | \*6B0C863331E301EF1DA083315C92DC0CE9CA5B14 |

| localhost | xqueue001 | \*2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |

| localhost | migrate | \*2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |

| localhost | read\_only | \*2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |

| localhost | admin | \*2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |

| % | root | |

| % | migrate | \*F46DE6ABADA809AE6D07D936EF2D25873D59034C |

+-----------+------------------+-------------------------------------------+

13 rows in set (0.01 sec)

mysql> select password('password');

+-------------------------------------------+

| password('password') |

+-------------------------------------------+

| \*2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |

+-------------------------------------------+

1 row in set (0.00 sec)

mysql>

mysql>

mysql> select password('migrate');

+-------------------------------------------+

| password('migrate') |

+-------------------------------------------+

| \*1D6BE701C19D30177E5259EB1828E65FB61BD83A |

+-------------------------------------------+

1 row in set (0.00 sec)

sudo ansible-playbook -c local -i "localhost," ./npcomms\_webserver.yml -e@../server-vars.yml -e EDXAPP\_MEMCACHE="['localhost:11211']"

ASK: [edxapp | install python pre-requirements] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

failed: [localhost] => {"cmd": "/usr/local/bin/pip install -i https://pypi.python.org/simple --exists-action w -r /edx/app/edxapp/edx-platform/requirements/edx/pre.txt", "failed": true}

msg: stdout: Downloading/unpacking setuptools==18.0.1 (from -r /edx/app/edxapp/edx-platform/requirements/edx/pre.txt (line 9))

Requirement already satisfied (use --upgrade to upgrade): numpy==1.6.2 in /usr/local/lib/python2.7/dist-packages (from -r /edx/app/edxapp/edx-platform/requirements/edx/pre.txt (line 13))

Downloading/unpacking pip==6.0.8 (from -r /edx/app/edxapp/edx-platform/requirements/edx/pre.txt (line 16))

Requirement already satisfied (use --upgrade to upgrade): Cython==0.21.2 in /usr/local/lib/python2.7/dist-packages (from -r /edx/app/edxapp/edx-platform/requirements/edx/pre.txt (line 19))

Installing collected packages: setuptools, pip

Found existing installation: setuptools 3.6

Uninstalling setuptools:

aaaaa /usr/local/bin/easy\_install /tmp/pip-a7a2db-uninstall/usr/local/bin/easy\_install

Cleaning up...

Exception:

Traceback (most recent call last):

File "/usr/local/lib/python2.7/dist-packages/pip/basecommand.py", line 122, in main

status = self.run(options, args)

File "/usr/local/lib/python2.7/dist-packages/pip/commands/install.py", line 283, in run

requirement\_set.install(install\_options, global\_options, root=options.root\_path)

File "/usr/local/lib/python2.7/dist-packages/pip/req.py", line 1431, in install

requirement.uninstall(auto\_confirm=True)

File "/usr/local/lib/python2.7/dist-packages/pip/req.py", line 598, in uninstall

paths\_to\_remove.remove(auto\_confirm)

File "/usr/local/lib/python2.7/dist-packages/pip/req.py", line 1836, in remove

renames(path, new\_path)

File "/usr/local/lib/python2.7/dist-packages/pip/util.py", line 295, in renames

shutil.move(old, new)

File "/usr/lib/python2.7/shutil.py", line 301, in move

os.unlink(src)

OSError: [Errno 13] Permission denied: '/usr/local/bin/easy\_install'

Storing debug log for failure in /edx/app/edxapp/.pip/pip.log

FATAL: all hosts have already failed -- aborting

## memcache 전체 아이피 오픈

/etc/memcached.conf:

#-l 127.0.0.1

-l 0.0.0.0

# Limit the number of simultaneous incoming connections. The daemon default is 1024

# -c 1024

# Lock down all paged memory. Consult with the README and homepage before you do this

# -k

# Return error when memory is exhausted (rather than removing items)

# -M

# Maximize core file limit

# -r

~

~

~

"/etc/memcached.conf" [Modified][readonly] line 36 of 48 --75%-- col 10

## forum mongodb 연결

/edx/app/forum/cs\_comments\_service/config/mongoid.yml 수정

$ sudo /edx/bin/supervisorctl

supervisor> restart forum

forum: stopped

forum: started

supervisor>

## elasticsearch lms 외부 연결

/edx/app/edxapp/venvs/edxapp/src/edx-search/search/elastic.py:

def \_\_init\_\_(self, index=None):

super(ElasticSearchEngine, self).\_\_init\_\_(index)

self.\_es = getattr(settings, "ELASTIC\_SEARCH\_IMPL", Elasticsearch(hosts=[{"host":"localhost", "port":9200}]))

if not self.\_es.indices.exists(index=self.index\_name):

self.\_es.indices.create(index=self.index\_name)

또는,

/edx/app/edxapp/venvs/edxapp/lib/python2.7/site-packages/elasticsearch/client/\_\_init\_\_.py:

# def \_\_init\_\_(self, hosts=None, transport\_class=Transport, \*\*kwargs):

def \_\_init\_\_(self, hosts=[{"host":"192.168.33.52","port":9200}], transport\_class=Transport, \*\*kwargs):

(edxapp 사용자 환경)

python –m compileall .

(후자가 나음. 전자는 git checkout시 오류 발생 가능성)

### elasticsearch version

curl -XGET 'localhost:9200'

## supervisord

/etc/init/supervisor.conf

http://askubuntu.com/questions/19320/how-to-enable-or-disable-services

## Course Discovery 한글화

/edx/app/edxapp/edx-platform/lms/static/js/discovery/result\_item\_view.js

여기에 날짜 format 부분이 있음.

Starts: 로 검색

./lms/static/templates/discovery/result\_item.underscore에 포함됨.

비슷한 소스를 찾기 위해 검색

grep -r "div class=\"course-date\"" .

./lms/static/templates/course.html:

<div class="course-date" aria-hidden="true">${\_("Starts")}: ${course.start\_datetime\_text()}</div>

다음 python 모듈안에 있음.

./common/lib/xmodule/xmodule/course\_module.py

최종 변경 소스 위치:

/edx/app/edxapp/edx-platform/lms/templates/discovery/result\_item.underscore

git에서 update된 소스 확인

lms/templates/discovery/course\_card.underscore

## Ie 한글 주관식 문제

Lms-modules\*\*\*\*.js

Problem.prototype.check\_fd = function () {

Problem.prototype.check = function () {

Problem.prototype.check\_internal = function () {

Problem.prototype.check\_internal = function () {

Lms-applicatoin \*\*\* .js

## analyticstack

### Ubuntu install

virtualenv venv오류시:

virtualevnt설치

/home/dev/edx-analytics-pipeline/venv/bin/pip install: error: no such option: --allow-external

오류시:

pip –version 확인:

venv에서 pip install –r requirement/pre.txt로 해당 pip version설치

src/MD2.c:31:20: fatal error: Python.h: No such file or directory

compilation terminated.

error: command 'gcc' failed with exit status 1

http://stackoverflow.com/questions/11596839/installing-pycrypto-on-ubuntu-fatal-error-on-build

sudo apt-get install python-dev (sudo계정으로)