How to Deploy Lifelog System

— Marissa Zhou (marissa.zhou.cn@gmail.com)

=============

This documentation describes how to deploy the lifelog system

Software Requirements:

In order to successfully run the prototype code, all following prerequisites (packages/softwares) are necessary to be installed beforehand. Please be aware that, the versions labeled are the lowest requests.

- Unbuntu 12.04 system
- Django (1.5.4)
- mod_python
- django-bootstrap-staticfiles (3.0.0.1)
- django-bootstrap-toolkit (2.15.0)
- django-suit (0.2.5)
- ipython (1.1.0)
- matplotlib (1.3.0)
- MySQL-python (1.2.4)
- nose (1.3.0)
- numpy (1.7.1)
- pip (1.4.1)
- pip-tools (0.3.4)
- psycopg2 (2.5.1)
- pyparsing (2.0.1)
- python-dateutil (2.1)
- scipy (0.12.0)
- setuptools (0.9.8)
- six (1.4.1)
- tornado (3.1.1)
- wsgiref (0.1.2)
- easy-thumbnails
- django_php
- Celery(3.1)
- django-admin-tools
- openpyxl
- django-haystack

For Unbuntu 12.04 system, the commands for deployment:

-

Refer to: https://docs.djangoproject.com/en/dev/topics/install/

To install ``MySQLdb`` module, download it from MySQLdb Download page and proceed as follows `pip`_::
url:http://sourceforge.net/projects/mysql-python/

```
$ gunzip MySQL-python-1.2.2.tar.gz
$ tar -xvf MySQL-python-1.2.2.tar
$ cd MySQL-python-1.2.2
$ python setup.py build
```

```
$ python setup.py install
```

To install mod_python
----
http://www.djangoproject.com/r/mod_python/
mod_python (http://www.djangoproject.com/r/mod_python/) is an Apache plug-in that embeds Python within Apache and loads Python code into memory when the server starts. Code stays in memory throughout the life of an Apache process, which leads to significant performance gains over other server arrangements.

To install easy-thumbnails
----
sudo pip install easy-thumbnails

For Mac OS 10.0.9 system, the commands for deployment:
----
you can use the commands like
pip install MySQL-python

To install django_php

$ pip install django_php
# or
$ easy_install django_php
reference: url:http://animuchan.net/django_php/

To install Celery

Celery(3.1)
is a job server, with Redis as the backend
url:http://docs.celeryproject.org/en/latest/django/first-steps-with-django.html

To install rabbitmq-server
----
sudo apt-get install rabbitmq-server
rabbitmq-server
url:http://docs.celeryproject.org/en/latest/getting-started/first-steps-with-celery.html#first-steps
examples:https://github.com/celery/celery/tree/master/examples

Python-Memcached
----
python setup.py install --with-libmemcached=/opt/local

django-haystack
----
pip install django-haystack