1. Install Django 1.5.1. See

<http://virtualenvdemo.pythonanywhere.com/>

source virtualenvwrapper.sh

mkvirtualenv django151 --system-site-packages

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The prompt will look like

(django151)14:51 ~ $

Testing:

which pip

The answer will be like

/home/virtualenvdemo/.virtualenvs/django151/bin/pip

See <https://www.pythonanywhere.com/forums/topic/109/>

Install Django

pip install -U django==1.5.1

or pip install --upgrade django

Test Django and MySQL:

pip freeze | grep Django # will show 1.5.1

pip freeze | grep MySQL # will show MySQL-python is installed

Test Django from python:

import django

django.VERSION

Test MySQL from python:

import MySQLdb

1. from console type: django-admin.py startproject publication\_base

To test it type: tree publication\_base

The folders tree will be shown

1. Now edit your wsgi file (from the link on the "Web" tab) -- you'll need code like this

activate\_this = '/home/heraldknu/.virtualenvs/django151/bin/activate\_this.py'

execfile(activate\_this, dict(\_\_file\_\_=activate\_this))

import os

import sys

path = '/home/heraldknu/publication\_base'

if path not in sys.path:

sys.path.append(path)

os.environ['DJANGO\_SETTINGS\_MODULE'] = 'publication\_base.settings'

import django.core.handlers.wsgi

application = django.core.handlers.wsgi.WSGIHandler()

Now **Reload the web app** -- click the button on the "Web" tab, while your domain is selected on the left-hand side.

Go to site -- you should see Django "it worked!"

Remember: whenever you want to get back and work on your virtualenv, you need to make sure it's active -- if you're opening a new console, for example.

Look out for the little (django151) prefix at the command-line.

It's also well worth checking which pip to make sure you're using the virtualenv pip when installing.

If in doubt, run:

source virtualenvwrapper.sh

To switch on virtualenvwrapper (you can add this to your .bashrc in [**/**](https://www.pythonanywhere.com/user/heraldknu/files/)**>**[**home**](https://www.pythonanywhere.com/user/heraldknu/files/home)**>  heraldknu folder**)

And

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to switch to working on your virtual environment.

1. Create database polyakov$publication\_db

Change default charset:

USE heraldknu$publication\_db;

SHOW CREATE DATABASE heraldknu$publication\_db;

ALTER DATABASE heraldknu$publication\_db DEFAULT CHARACTER SET utf8 COLLATE utf8\_unicode\_ci;

To convert empty table use next command:

alter table table\_name convert to character set utf8 collate utf8\_unicode\_ci;

To convert non empty table:

alter table TABLE\_NAME modify FIELD\_NAME blob;

alter database DATABASE\_NAME charset=utf8;

alter table TABLE\_NAME modify FIELD\_NAME varchar(255) character set utf8;

Test connection from python:

import MySQLdb

con = MySQLdb.connect(user=’heraldknu’, passwd=’polyakov’, db=’polyakov$publication\_db’, host='mysql.server')

1. Load application files to hosting
2. Update setting.py database parameters:

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.mysql', # Add 'postgresql\_psycopg2', 'mysql', 'sqlite3' or 'oracle'.

'NAME': 'polyakov$publication\_db', # Or path to database file if using sqlite3.

'USER': 'polyakov', # Not used with sqlite3.

'PASSWORD': 'polyakov', # Not used with sqlite3.

'HOST': 'mysql.server', # Set to empty string for localhost. Not used with sqlite3.

'PORT': '', # Set to empty string for default. Not used with sqlite3.

#'HOST': '', # Set to empty string for localhost. Not used with sqlite3.

#'PORT': '', # Set to empty string for default. Not used with sqlite3.

#'OPTIONS': {"init\_command": "SET storage\_engine=INNODB", },

# DATABASE\_OPTIONS = { "init\_command": "SET storage\_engine=INNODB, SESSION TRANSACTION ISOLATION LEVEL READ COMMITTED", }

}

}

1. Following is not mandatory:

create application in bash concole:

cd /home/polyakov/publication\_base/

python manage.py startapp model\_publication

update setting.py

1. create tables:

cd /home/polyakov/publication\_base/

python manage.py syncdb

superuser: admin, password: admin

email: [sergey.a.polyakov@gmail.com](mailto:sergey.a.polyakov@gmail.com)

To create superuser later execute command

python manage.py createsuperuser --username admin --email sergey.a.polyakov@gmail.com

1. populate db:

set coding to utf8 from koi8

in bash concole:

cd /home/polyakov/publication\_base/

python manage.py shell

from model.populate\_db\_2 import functions and execute them

1. set paths to static files in Web page:

/static/admin/ :

/home/polyakov/.local/lib/python2.7/site-packages/Django-1.5.1- py2.7.egg/django/contrib/admin/static/admin

OR

/home/heraldknu/.virtualenvs/django151/lib/python2.7/site-packages/django/contrib/admin/static/admin

/static/:

/home/polyakov/publication\_base/publication\_base/static

/media/:

/home/polyakov/publication\_base/publication\_base/media

1. Reload application
2. Go to my admin console and add users with rights “Can edit edition…”.
3. Clear the browser settings