

# Configuring Django to work with your OSX X (Leopard) apache

admin · Friday, February 27th, 2009

I hope that I finally got it right, since I can see the admin interface and the media files are being served by the same development server as the site. The machine is an Intel MacBook running OS X 10.5.6 and python 2.6.1 I suggest reading the official [Django documentation](#) on setting it with up mod\_python first. I hope that this article can fill in the gaps. Remember to change the paths and names to the ones that you use.

## Configure the virtual hosts

In this case 'mysite' is the name of the virtual host and 'my\_site' is the name of the project, and server root directory. The server root was in my /Users/discodancer/Dev/my\_site directory

```
<VirtualHost *:80>
  ServerAdmin jordanovskid@gmail.com
  DocumentRoot "/Users/discodancer/Dev/my_site"
  ServerName mysite
  ServerAlias mysite
  ErrorLog "/private/var/log/apache2/my_site-error_log" CustomLog "/private/var/log/apache2/my_site
-access_log" common
  <Directory "/Users/discodancer/Dev/my_site
">
  Options FollowSymLinks MultiViews Includes
  AllowOverride All
  Order allow,deny
  Allow from all
</Directory>
<Location "/">
  SetHandler mod_python SetEnv DJANGO_SETTINGS_MODULE my_site
.settings
  PythonHandler django.core.handlers.modpython
  PythonPath sys.path+['/Users/discodancer/Dev/']
</Location>
# Do not use python interpreter for /media
<Location "/media">
  SetHandler none
</Location>
# Do not use python interpreter for images
<LocationMatch ".(jpg|gif|png)$">
  SetHandler None
</LocationMatch></VirtualHost>
```

Then, to allow serving of media files, you need to make a symlink from django's contrib/admin/media directory to your project. The apache user normally does not have privileges to the django installation, so you need to do this.

```
In -s /Library/Frameworks/Python.framework/Versions/2.6/lib/python2.6/site-packages/django/
contrib/admin/media/Users/discodancer/Dev/my_site/media
```

(the path is too long, try not to paste the line breaks in your terminal :) Then make a file apache\_settings.py in your project directory/server root and paste these lines in it:

```
import osos.environ['PYTHON_EGG_CACHE'] = '/Users/discodancer/Temp'
```

The path in my case is writable by the webserver (anyone for that matter). Finally add these 2 lines in the apache httpd.conf file. They will tell apache to load the settings from the file you just created.

```
PythonInterpreter my_sitePythonImport /Users/discodancer/Dev/my_site/apache_settings.py my_site
```

Restart the web server. I suppose you already know, but the apache httpd.conf file can be found in /etc/apache2/httpd.conf and the virtual hosts file can be found in /etc/apache2/extra/httpd-vhosts.conf. This should work :) at least it did for me. One more note: at the

moment of writing there is no current MySQLdb module for python 2.6. I am using the one that works with python 2.5 and each time I import it it throws a warning that the sets module is deprecated. Just ignore this, it didn't cause any trouble to me. If someone can explain what it really means, i'd be grateful.

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