

Running Lobber for development

In order to run Lobber you will need at least the following software.
This example is for running Lobber on localhost.

Software

- python
- django (apt-get install python-django)
- the web application – [lobber](#)
- a database
- sqlite
- or
- postgresql
- a tracker
- opentracker ([git://git.nordu.net/opentracker.git](https://git.nordu.net/opentracker.git))

Installation

```
• sudo apt-get install python-django python-libtorrent python-bittorrent python-django-doc  
python-egenix-mxdatetime python-egenix-mxtools python-pycurl python-openssl python-  
setuptools python-pysqlite2 python-django-tagging python-twisted sqlite3 sqlite3-doc
```

```
• sudo easy_install orbited
```

If this doesn't work, do

```
wget http://pypi.python.org/pypi/orbited/0.7.10 && tar xzf orbited-0.7.10.tar.gz && cd  
orbited-0.7.10 && python setup.py install
```

```
• sudo easy_install stompservice
```

- stomp

```
wget http://stomppy.googlecode.com/files/stomp.py-3.0.1-beta2.tar.gz  
tar xzf stomp.py-3.0.1-beta2.tar.gz  
cd stomp.py-3.0.1/  
sudo python setup.py install
```

- opentracker

```
cvs -d :pserver:cvs@cvs.fefe.de:/cvs login  
cvs -d :pserver:cvs@cvs.fefe.de:/cvs co libowfat  
cd libowfat && make && cd ..
```

```
git clone git://git.nordu.net/opentracker.git  
cd opentracker && make && cd ..
```

See [Lobber development sandbox](#) for more details on configuration.

Bootstrapping

Do this once:

- Set up lobber

```
cd lobber  
mkdir db logs torrents  
cd src  
./dev-django-admin.sh syncdb
```

- Configure orbited

```

cat > orbited.cfg <<EOF
listen http://:9000
stomp://:61613

access

    ◦ -> localhost:61613

static

global
session.ping_interval = 300
user=www-data

logging
debug=STDERR,debug.log
info=STDERR,info.log
access=STDERR,info.log
warn=STDERR,error.log
error=STDERR,error.log

#Don't enable debug by default
enabled.default=info,access,warn,error
EOF

```

- Set up the tracker

```

mkdir /tmp/tracker
cat >> opentracker.conf << EOF
listen.tcp_udp 0.0.0.0:4711
access.stats_path stats-xyzy
tracker.rootdir /tmp/tracker
EOF

```

Starting up

- lobber

```

cd lobber/src
./dev-django-admin.sh runserver

```

- opentracker

```

opentracker/opentracker -f opentracker.conf -a http://localhost:8000/torrent/exists/

```

- orbited

```

orbited -c orbited.cfg

```

Using, first time

- Go to <http://localhost:8000/admin/> and log in as whatever admin user you created in the syncbd phase under Bootstrapping above.
- Create an ordinary account
- Log out

Using

- <http://localhost:8000/>
- To craft your own torrent files, try

```

btmakemetatile <FILE> http://localhost:4711/announce

```

Resetting database

Django model classes are represented as tables in the database.

When members of model classes are added, removed or changed, the database needs to be recreated.

There's probably a way of keeping all the data too but this does not save any data. Beware:

- `localhost:lobber/src% ./dev-django-admin.sh sqlreset share | ./dev-django-admin.sh dbshell`