

Forum:[Hack Forums](#)

Thread: [Basic torrent client](#)

Introvert - August 14, 2015, 6:23 am

PHP Code

```
<?php
#!/usr/bin/env python

import time
import sys

import libtorrent
import requests

def download_file(url):
    url = url[:len(url) - 1] if url.endswith('/') else url
    req = requests.get(url, stream=True)
    fname = url.split('/')[-1]

    block = 1024
    with open(fname, 'wb') as fd:
        for chunk in req.iter_content(chunk_size=block):
            if chunk:
                fd.write(chunk)
                fd.flush()

    return fname

def download_torrent(torrent):
    info_str =
'\rsize: {0:.2f} mb | {1:.2f}% complete | eta: (h/m/s) {2} [down: {3:.2f} kb/s | up: {4:.2f} kb/s | peers: {5
}} {6}'
    states = ['queued', 'checking', 'downloading metadata', 'downloading',
        'finished', 'seeding', 'allocating', 'checking fastresume']

    session = libtorrent.session()
    session.listen_on(6881, 6891)

    info = libtorrent.torrent_info(torrent)
    handle = session.add_torrent({'ti' : info, 'save_path' : './'})

    print 'starting {0}\n'.format(handle.name())

    while not handle.is_seed():
        stat = handle.status()

        size = stat.total_wanted / 1000000.0
        progress = stat.progress * 100.0
        down_speed = stat.download_rate / 1000.0
```

```

up_speed = stat.upload_rate / 1000.0
peers = stat.num_peers
state = '\033[1m' + states[stat.state] + '\033[0m'

seconds_left = (stat.total_wanted - stat.total_wanted_done) / stat.download_rate if stat.
download_rate > 0 else 0
m, s = divmod(seconds_left, 60)
h, m = divmod(m, 60)
eta = '{0}.{1}.{2}'.format(h, m, s)

print info_str.format(size,
    progress,
    eta,
    down_speed,
    up_speed,
    peers,
    state),
sys.stdout.flush()

time.sleep(1)

print '{0} complete'.format(handle.name())

return handle.name()

if __name__ == '__main__':
    if len(sys.argv) != 2:
        print 'invalid arguments'
        print 'usage: {0} [*.torrent | url]'.format(sys.argv[0])
        sys.exit(1)
    else:
        to_down = sys.argv[1]

        if to_down.startswith(r'http://') or to_down.startswith(r'https://'):
            download_torrent(download_file(to_down))
        else:
            download_torrent(to_down)

```

Check out the pastebin version because the code formatting sucks ass:

<http://pastebin.com/JN8TuNFK>

I may actually expand onto this as it seems like a fun project. For now this is as simple as it gets. Just run the script with the torrent file or url as the first argument. Use linux for best results and make sure libtorrent and requests are installed. Enjoy! ?

Long Morrison - August 14, 2015, 6:26 am

Can you continue your project on github?
Thanks for this, its pretty good!

Introvert - August 14, 2015, 6:28 am

(Aug 14, 2015 06:26 AM)poniboy Wrote: [\[CITE\]](#) Can you continue your project on github?
Thanks for this, its pretty good!

I was actually thinking about doing so. I'll see sometime and maybe put it up on github.
Thanks for the feedback! ?

dopepizza - *August 14, 2015, 11:08 am*

This is very cool Introvert, thanks for this, love learning from your source code as always!

Introvert - *August 14, 2015, 11:13 am*

(Aug 14, 2015 11:08 AM)TheMostDopePizza Wrote: [\[CITE\]](#) This is very cool Introvert, thanks for this, love learning from your source code as always!

No problem and thanks for all the kind words you leave on my threads. It really motivates me to keep coding. ?