

Revver Guerrilla Upload Client



tv@revver.com

<http://eagain.net/>

Upload mechanisms

Java

sucks

Flash

sucks

API

ok

XML-RPC

easy

HTTP POST
file upload

**just get to
it already..**

Python

stdlib

curl

<http://developer.revver.com/>

155 lines

Let's see it



```
#!/usr/bin/python
```

```
''''''
```

```
Guerrilla command line video upload tool.
```

```
''''''
```

```
import optparse, getpass, urlparse, urllib, \  
    xmlrpclib, subprocess
```

```
def getParser():
```

```
    parser = optparse.OptionParser(  
        usage='%prog --title=TEXT --age-rating=NUM\  
[OPTIONS] FILE..',  
        description='Upload videos to Revver')
```

```
    parser.set_defaults(  
        api_url='https://api.revver.com/xml/1.0',  
        upload_url='http://httpupload.revver.com/',  
        login=getpass.getuser(),  
    )
```

```
# more getParser(), mandatory options
```

```
parser.add_option(  
    '--login',  
    help='login name to use (default: %s)' %  
    parser.defaults['login'])
```

```
parser.add_option(  
    '--passphrase-file',  
    help='read passphrase from (prompt if not given)',  
    metavar='FILE')
```

```
parser.add_option(  
    '--age-rating',  
    help='MPAA age rating (mandatory)',  
    type='int')
```

```
# more getParser(), mandatory options
```

```
parser.add_option(  
    '--title',  
    help='title for the video (mandatory)',  
    metavar='TEXT')
```

```
parser.add_option(  
    '--tag',  
    help='tags (mandatory, repeat for more tags)',  
    metavar='KEYWORD',  
    action='append')
```

```
# more getParser(), optional
```

```
parser.add_option('--author',  
                  help='author of the video',  
                  metavar='FULLNAME')
```

```
parser.add_option('--url',  
                  help='website for extra info')
```

```
parser.add_option('--credits',  
                  help='extra credits',  
                  metavar='TEXT')
```

```
parser.add_option('--summary',  
                  help='a brief description',  
                  metavar='TEXT')
```

```
# more getParser(), dev stuff

parser.add_option('--api-url',
                  help='API URL to contact\
(developers only)')

parser.add_option('--upload-url',
                  help='Upload URL to send the file to \
(developers only)')

parser.add_option('--upload-token',
                  help='use preallocated token\
(developers only)',
                  metavar='HEX',
                  action='append')

return parser
```

```
def getPassphrase(filename=None):
    if filename is not None:
        f = file(filename)
        passphrase = f.readline().rstrip('\n')
        f.close()
    else:
        passphrase = getpass.getpass(
            'Passphrase for video upload: ')

    return passphrase
```

```
def getAPI(options):
    api = getattr(options, 'api', None)
    if api is None:
        passphrase = getPassphrase(
            filename=options.passphrase_file)

        (scheme, netloc, path, query, fragment) = \
            urlparse.urlsplit(options.api_url,
                               allow_fragments=False)
        query = urllib.urlencode([
            ('login', options.login),
            ('passwd', passphrase)])
        url = urlparse.urlunsplit((scheme, netloc, path,
                                   query, fragment))
        api = xmlrpclib.Server(url)
        options.api = api
    return api
```

```
def getToken(api):  
    url, tokens = api.video.getUploadTokens(1)  
    assert len(tokens)==1  
    token = tokens[0]  
    return url, token
```



```
def main(progname, args):
    parser = getParser()
    (options, args) = parser.parse_args()

    if options.login is None:
        parser.error('You must pass --login=LOGIN')
    if options.title is None:
        parser.error('You must pass --title=TEXT')
    if not options.tag:
        parser.error('You must pass --tag=KEYWORD')
    if options.age_rating is None:
        parser.error('You must pass --age-rating=NUM')
    if not args:
        parser.error(
            'Pass files to upload on command line')
```

```
for filename in args:
    if options.upload_token:
        token = options.upload_token.pop(0)
        url = options.upload_url
    else:
        api = getAPI(options)
        url, token = getToken(api)
        print '%s: allocated token %s' % (
            progname, token)

upload_url = urlparse.urljoin(url, token)
retcode = subprocess.call([
    'curl',
    '-F', 'file=@%s' % filename,
    '--',
    upload_url,
    ])
```

```
if retcode < 0:
    print >>sys.stderr, \
        '%s: upload aborted by signal %d' % (
            progname, -retcode)
    sys.exit(1)
elif retcode > 0:
    print >>sys.stderr, \
        '%s: upload failed with code %d' % (
            progname, retcode)
    sys.exit(1)
print '%s: used token %s for %s' % (
    progname, token, filename)

media_id = createMedia(options, token)
print '%s: created media %r from %r' % (progname,
                                       media_id,
                                       filename)
```

```
if __name__ == '__main__':  
    import sys  
    main(progname=sys.argv[0],  
         args=sys.argv[1:])
```

```
[0 tv@musti ~]$ revver-upload-video \  
--passphrase-file=/home/tv/.revver-password \  
--age-rating=1 \  
--title='Hot dogs at Grove' \  
--tag=cute --tag=dog --tag=summer --tag=los-angeles \  
--author='Tommi Virtanen' \  
--url=http://eagain.net/ \  
--summary='Chihuahuas panting on a hot summer day' \  
2006-08-19T14\ :38\ :04-0700.mpg
```

```
revver-upload-video: allocated token  
00017acd029a69d666e4ecc03f4e0b89
```

```
revver-upload-video: used token  
00017acd029a69d666e4ecc03f4e0b89  
for 2006-08-19T14:38:04-0700.mpg
```

```
revver-upload-video: created media 96973  
from 2006-08-19T14:38:04-0700.mpg
```

Questions?

This will all be on developer.revver.com soon

tv@revver.com

<http://eagain.net/>

