

## Regression Test Report

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### Description:

This report is being created to document the procedure for performing a regressions test on the 393torrent software. The functionality being tested is the ability to download a torrent file to completion and verify it's contents. The test procedure was completed on an amazon ec2 machine running python 2.7.6.

### Procedure:

1. Open a terminal window
2. Verify python 2.7.6 is installed on the computer
3. Change directory to the 393torrent directory
  - a. `cd 393torrent/`
4. Verified the usage printout
  - a. `python torrent/torrent.py`

```
usage: torrent.py [-h] [--seed] [--port PORT] torrent_file
torrent.py: error: too few arguments
```

5. Verified the options in usage
  - a. `python torrent/torrent.py -h` and `python torrent/torrent.py --help`

```
usage: torrent.py [-h] [--seed] [--port PORT] torrent_file

Process a torrent file.

positional arguments:
  torrent_file  a single torrent file

optional arguments:
  -h, --help    show this help message and exit
  --seed        seed forever (default: seed while downloading)
  --port PORT   Optionally set the port for the client to listen on
```

6. Verified the full ubuntu iso could be downloaded to completion
  - a. `python torrent/torrent.py testcases/ubuntu.torrent`
7. Verified the port number used by --port was correct
  - a. `python torrent/torrent.py --port 2567 testcases/ubuntu.torrent`
8. Verified the client remained open using --seed
  - a. `python torrent/torrent.py --seed testcases/ubuntu.torrent`

### Results:

All verifications completed successfully.

### Conclusions:

Functionality of the bittorrent client is working with the ubuntu torrent as expected.