
Phantom Doc Documentation

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What is Phantom

Phantom is an open source Web server, proxy server and load generator, with a strong focus on high concurrency, performance and low memory usage. It is licensed under a LGPL-like license and it runs on Linux.

1.1 Features

1.1.1 Very accurate and predictable measurement

Test scenario is defined up to every millisecond and every byte send to test host

1.1.2 Low level data collected in simple format

Test plan and result both are plain-text files, which could be parsed with ever You want

Result consist of:

- send/receive data size
- rtt, connection, send, server-side processing and receive times for each request
- networks error codes(errno) and application layer protocol specific codes, like HTTP status codes.

1.1.3 Distributed & Scalable - supports tens of thousands of concurrent requests

You can get ~40K HTTP rps from one Phantom instance(POSIX process) on one Linux box

Process are independent from each other

1.1.4 Extendable/Hackable

You can write Your own Phantom modules for custom protocols like SSL or put anything in plain-text protocols body.

1.2 Background

1.3 Analogs

1.3.1 Free tools

- jMeter
- Tsung
- Siege
- ab
- Locust
- iago
- Httpperf
- Pylot
- http_load
- Grinder
- Gatling
- wrk
- funkload
- sniper
- vegeta

1.3.2 Nonefree tools

- HP LoadRunner
- IBM - IBM Rational Performance Tester
- Borland SilkPerformer
- Visual Studio Load Test
- WebLoad

1.3.3 online Services

- loadstorm
- loadimpact
- neustar
- loader.io
- blazemeter
- apica

1.4 Authors

- Evgeniy Mamchits

1.5 License

Open source licensed under the [LGPL](#) license.

Installation

2.1 Build *.deb packages from source

Quick Start

3.1 Smoke test

Phantom Conf

Extending Phantom

Changelog
