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# **Phantom Doc Documentation**

***Release 0.0.1***

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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](#)
- [Tsunami](#)
- [Siege](#)
- [ab](#)
- [Locust](#)
- [Httpperf](#)
- [Pylot](#)
- [http\\_load](#)
- [Grinder](#)

### 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](#)

## 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