

Locust



Cynical Technology Nepal
Kathmandu, Nepal



LOCUST

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Locust

1. Open source and distributed load testing tool
2. Intend to load test websites
3. Developed by a small team of community-driven developers
4. Scripts in pure Python Language
5. Highly scalable due to its fully event-based implementation

Load testing tools

1. Grinder
2. Gatling
3. Tsung
4. JMeter

Features of Locust over Jmeter

1. Easy to verify through Coding for all tests changes that is done by our teammates,

By using a version control system like Git.



Features of Locust over Jmeter


1. Faster and simpler editing in console rather than opening a UI application.
2. Jmeter use a built-in functions and third-party plugins to create performance tests for everything in one place.

JDBC, FTP, LDAP, SMTP

Locust built mainly for **HTTP** web based testing and do more with Python custom script.

3. Does not required so many of machine resources.
4. Suitable for any OS platform.



 LOCUST

HOST
http://15.125.92.195

STATUS
READY

SLAVES
2



LOCUST
A MODERN LOAD TESTING TOOL

STATUS
RUNNING
100 users
[Edit](#)

SLAVES
2

RPS
2

FAILURES
0%



[Reset Stats](#)

[Statistics](#) [Failures](#) [Exceptions](#) [Download Data](#)

Type	Name	# requests	# fails	Median	Average	Min	Max	Content Size	# reqs/sec
GET	/	7	0	10000	11227	9710	16833	186003	0.67
GET	/info.php	14	0	380	411	240	546	71575	1.33
Total		21	0	380	4016	240	16833	109717	2



Locust

YouTube

Messenger

Locust

IANA — IANA-manager

+

127.0.0.1:8089

Search

HOST
http://example.comSTATUS
STOPPED
[New test](#)RPS
1FAILURES
28%

Statistics

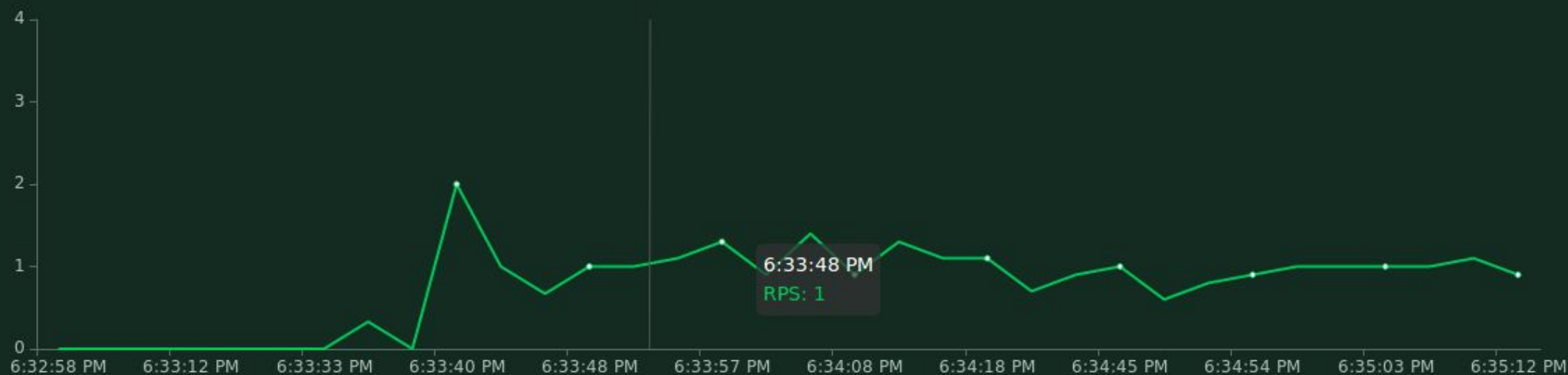
Charts

Failures

Exceptions

Download Data

Total Requests per Second



Average Response Time

700
600



Locust

YouTube

Messenger

Locust

IANA — IANA-manage

+

127.0.0.1:8089

Search

HOST
http://example.comSTATUS
STOPPED
[New test](#)RPS
1FAILURES
28%

0
6:32:58 PM 6:33:12 PM 6:33:33 PM 6:33:40 PM 6:33:48 PM 6:33:57 PM 6:34:08 PM 6:34:18 PM 6:34:45 PM 6:34:54 PM 6:35:03 PM 6:35:12 PM

Average Response Time



Number of Users

20



HOST
http://example.com

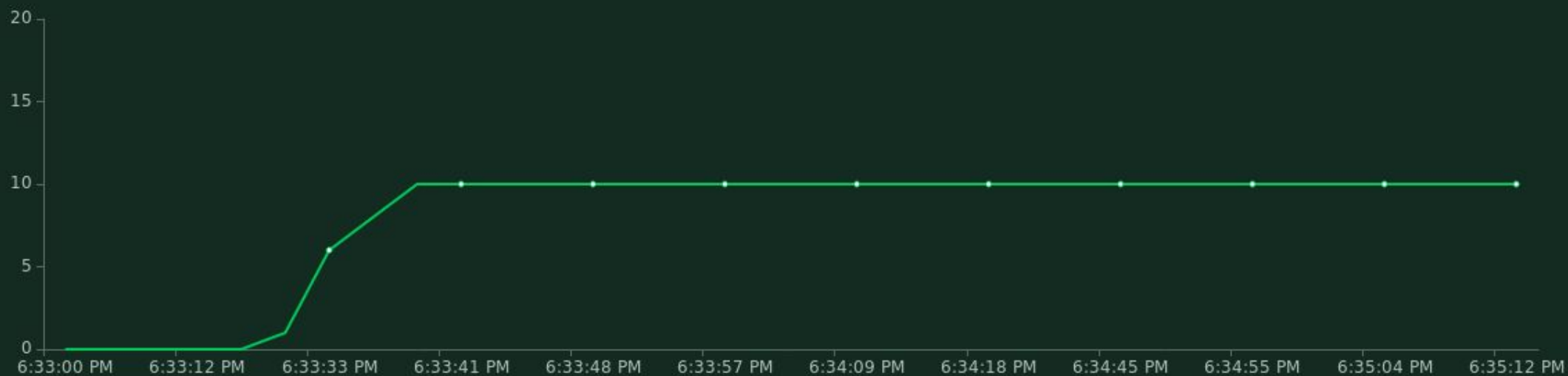
STATUS
STOPPED
[New test](#)

RPS
1

FAILURES
28%



Number of Users



Note: There is no persistence of these charts, if you refresh this page, new charts will be created.

Problems

1. Script recording is not recommended if you are going to run stable performance.
2. No GUI mode.
3. Monitoring is only from web.
4. Must learn Python Programming.
5. Stare at running the locust while testing.