

# CLIF

CLIF is a Load Injection Framework

### Key Words:

- Performance testing
- Flexible, scalable
- Integration with Eclipse™
- Integration with Hudson™



**Project Name**  
CLIF

**Category**  
Load/Performance testing

**License**  
LGPL

**Community**

- France Telecom
- Bull
- INRIA

**Some References**

- Bull Services
- Orange Labs

CLIF is OW2's project dedicated to load and performance testing, for any kind of system under test.

### Customer Satisfaction and Operational Efficiency

Tests are confronted with a double trade-off: testing time vs time-to-market, and testing costs vs return on investment. But, for a given amount of time and money you spend, the more you test, the more you improve your applications and services performance and robustness. Quicker response times, less breakdowns and a minimized run-time infrastructure will provide happy customers and optimized investment and operational costs.

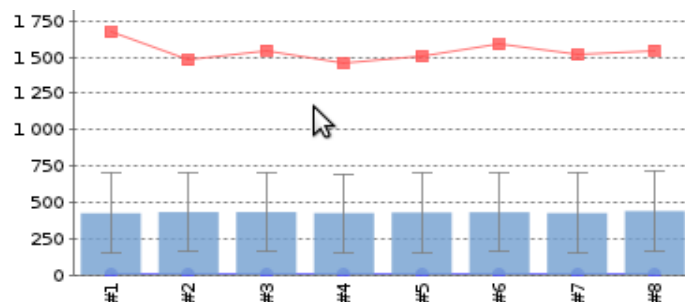
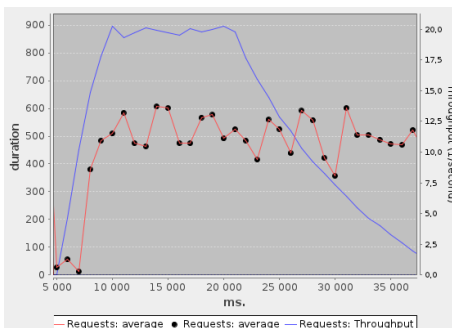
With CLIF, make more load testing for less using the same open source framework for almost all of your technologies: web applications and services, directories, database, telecommunication platforms... And your development team will enjoy using CLIF from their favourite Eclipse environment, or getting nightly performance reports through the Hudson/Jenkins plug-in.

### High power load injection

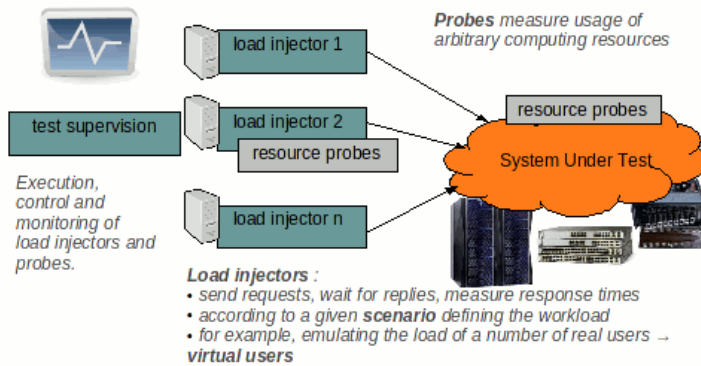
- successfully tested with up to 1300 load injectors
- successfully tested with more than 10 millions of virtual users
- transparent distribution support: centralized deployment, control and monitoring of probes and load injectors, and final collection of measures

### A variety of user interfaces

- Full-fledged Eclipse-based, or simple Java-swing graphical user interfaces
- embedded analysis and reporting tool
- full-featured ant-based or maven-based command line interface
- Hudson/Jenkins plug-in for automatic load testing in continuous integration



## The CLIF load injection framework and its tools



### Load injectors

- HTTP(S)
- FTP
- TCP
- UDP
- LDAP
- SIP
- RTP
- system command line ("shell")
- any of your own (in Java)

### Resource probes

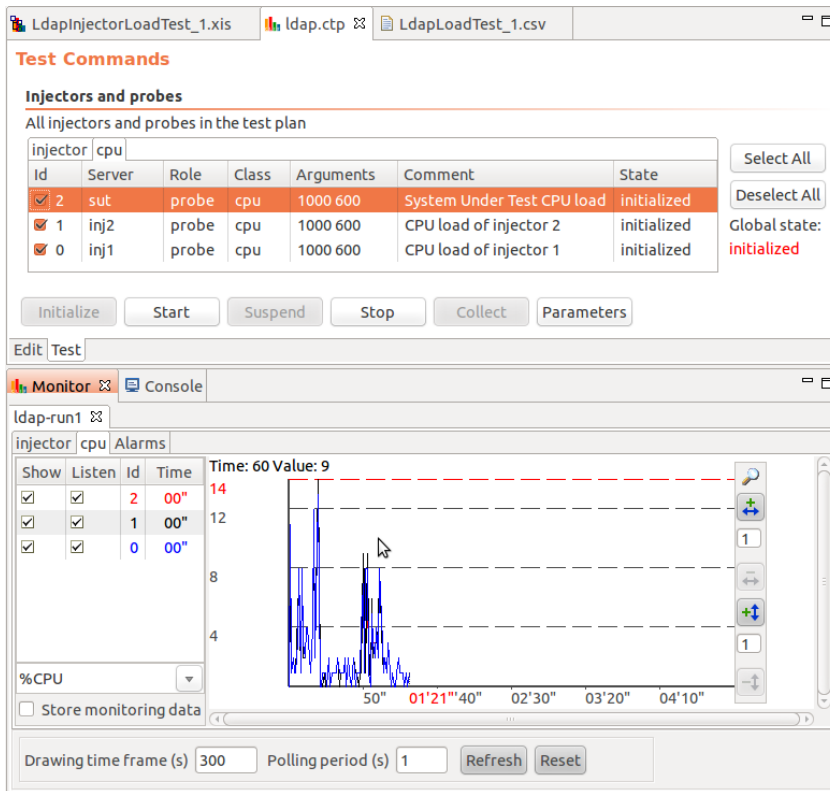
- CPU \* \*\*
  - memory \* \*\*
  - JVM
  - disk\*
  - network\*
  - any of your own (in Java)
  - JMX and SNMP samples
- \* available for Linux, Windows/i386 and MacOSX/PPC/i386
- \*\* available for Solaris

### User interfaces

- Plug-ins for Eclipse and Hudson
- web sessions capture and replay
- analysis and reporting tool
- command line (via ant or maven)
- Eclipse wizard to create your own injectors and data sets (in Java)

### Requirements

- Java 1.5+
- Apache ant 1.8+
- Eclipse 3.3+



Professional Support



[www.acial.fr](http://www.acial.fr)



[www.bull.com](http://www.bull.com)



[www.devoteam.fr](http://www.devoteam.fr)



[www.itlabs.fr.orange-business.com](http://www.itlabs.fr.orange-business.com)

### OW2

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### About OW2

Founded in January 2007 as a result of the merger of ObjectWeb and OrientWare communities, OW2 is an independent industry consortium dedicated to developing open source code middleware and to fostering a vibrant community and business ecosystem. Building on the legacy of ObjectWeb and OrientWare, OW2 federates more than one hundred organizations and 6000 developers in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including Lomboz, Sync4j, eXo Platform, XWiki, SpagoBI and JOnAS. Several of the OW2 projects are combined into market-driven Initiatives, such as the ESB/SOA Initiative and the Business Intelligence Initiative, which facilitate their implementation by systems integrators, OEMs and end-users. A typical global open-source organization, OW2 aims to bring together grassroots communities across all continents through Local Chapters.

More information about OW2 is available at <http://www.ow2.org>.