# JMeter

The **Apache JMeterTM**is pure[Java](https://www.guru99.com/java-tutorial.html)**open source** software, which was first developed by Stefano Mazzocchi of the[Apache](https://www.guru99.com/apache.html)Software Foundation, designed to load test functional behavior and measure performance. You can use JMeter to analyze and measure the performance of web application or a variety of services. Performance[Testing](https://www.guru99.com/software-testing.html)means testing a web application against heavy load, multiple and concurrent user traffic. JMeter originally is used for testing Web Application or FTP application. Nowadays, it is used for a functional test, database server test etc.

## JMeter Advantages

* Open source license: JMeter is totally free,  allows developer use the source code for the development
* Friendly GUI: JMeter is extremely easy to use and doesn't take time to get familiar with it
* Platform independent: JMeter is 100% pure Java desktop application. So it can run on multiple platforms
* Full multithreading framework. JMeter allows concurrent and simultaneous sampling of different functions by a separate thread group
* Visualize Test Result: Test result can be displayed in a different format such as chart, table, tree and log file
* Easy installation: You just copy and run the \*.bat file to run JMeter. No installation needed.
* Highly Extensible: You can write your own tests. JMeter also supports visualization plugins allow you to extend your testing