

Tool for experiment

The Apache Jmeter is an open source java-based application. It helps to measure the respond time at every load level. Jmeter deals with the server-side components. It can be used to simulate a heavy load on a server, group of servers, network or object to test its strength or to analyze overall performance under different load types. This helps in creating high concurrent user scenarios [1], [2]. Jmeter simulates the client to send a request to the web server or database server [3].

JMeter is known as performance and load testing tool that runs the tests on the cloud by using the cloud infrastructure. The tool enables to create and execute test cases on cloud and makes it possible to run the tests with the help of thousands of virtual users without requiring any setups on machines [4].

Reference

1. T. A. SOFTWARE FOUNDATION, “Apache JMeter - Apache JMeter™,” 05-Aug-2019. [Online]. Available: <https://jmeter.apache.org/>. [Accessed: 08-May-2019].
2. S. Stevens, “JMeter - Open Source Functional and Load Testing,” 05-Aug-2019. [Online]. Available: <http://www.methodsandtools.com/tools/tools.php?jmeter>. [Accessed: 08-May-2019].
3. F. Wang and W. Du, “A Test Automation Framework Based on WEB,” in *2012 IEEE/ACIS 11th International Conference on Computer and Information Science*, 2012, pp. 683–687.
4. N. Kılınç, L. Sezer, and L. Mishra, “Cloud-Based Test Tools: A Brief Comparative View,” *Cybern. Inf. Technol.*, vol. 18, no. 4, pp. 3–14, Nov. 2018.