BHCDS PERFORMANCE TEST

DEFINITION

Median – is the “middle number” in a sorted list of number.

Throughput - The throughput is generally measured in requests/second in things Jmeter,

In computer technology, throughput is the amount of work that a computer can do in a given time period.

In general terms, throughput is the rate of production or the rate at which something can be processed.

**Throughput**–

It is the number of requests per unit of time (seconds, minutes, hours) that are sent to your server during the test.

It means number of requests per one second. So if two users open your website at the same time throughput will be 2/s - 2 requests in one second.

How it can be useful: check your website analytics and you see number of hosts and hits per one day. Throughput stands for hits per day. If analytics shows 200 000 hits per day this means: 200 000 / 86400 (seconds in one day) = 2,31 hits/s.

**Average** - the average of response time (it's time between sending request and getting response from server). To get the average response time you should sum all samplers response time and divide to number of samplers. Sampler means user, request, hit, the meaning is the same.

**Min** - the minimal response time in all samplers. Differently we may say the fastest response.

**Max** - opposite of Min, the slowest response.

Some useful JMeter plugins

View Results tree,

Summary Report,

View Result in Table,

Graph Result,

Aggregate Graph,

Spline Visualizer.

Transaction Throughput vs Threads

<http://jmeter-plugins.org/wiki/TransactionThroughputVsThreads/>

Response Times vs Threads

<http://jmeter-plugins.org/wiki/ResponseTimesVsThreads/>

Response Times Distribution

<http://jmeter-plugins.org/wiki/RespTimesDistribution/>

Response Times Over Time

<http://jmeter-plugins.org/wiki/ResponseTimesOverTime/>

Server Hits per Second

<http://jmeter-plugins.org/wiki/HitsPerSecond/>

Transactions per Second

<http://jmeter-plugins.org/wiki/TransactionsPerSecond/>

Active Threads Over Time Listener

<http://jmeter-plugins.org/wiki/ActiveThreadsOverTime/>