* What is Thread Group?

A thread group is a set of threads/users executing the same scenario.

* Understand the Process of applying the Load using Thread Group
* Introduction to Listeners:

View Results tree  
Aggregate Report  
Graph Results

* Understand the Jmeter Load parameters to analyze results

**Samples : No of users hit that specific request = 2153**

**Average:** It is the average time taken by all the samples to execute specific label. = 129 Milli seconds

**Min:** The shortest time taken by a sample for specific label.

**Max:** The longest time taken by a sample for specific label

**Std. Dev.:** This shows the set of exceptional cases which were deviating from the average value of sample response time. The lesser this value more consistent the data. Standard deviation should be less than or equal to half of the average time for a label.

* **Error%:** Percentage of Failed requests per Label.
* **Throughput:** Throughput is the number of request that are processed per time unit(seconds, minutes, hours) by the server. This time is calculated from the start of first sample to the end of the last sample. Larger throughput is better.

**Median:** It is the time in the middle of a set of samples result. It indicates that 50% of the samples took no more than this time i.e the remainder took at least as long.

***90% Line:*** 90% of the samples took no more than this time. The remaining samples took at least as long as this. (90th percentile)

* Additional Plugins for Simulating real time Load

Download the jar from   
<https://jmeter-plugins.org/wiki/PluginsManager/>

Concurrency Thread Group  
Ultimate Thread Group

Created Jmeter script

ThreadGroup – 1

View results tree-

200 response Green tick-

200 status code – response may be the wrong one-

AddEmployee - employee is successfully added 200 status

* Employee already exists – 200 stats

3 users

12 15 30

12+15+30/3 = average

Min=12 Max=30

With 100 users of load, through put is 300 Requests/Sec for reserve.php

200 requsts