Simple JMeter Web Load Test

This will go through the process of setting up JMeter to do a simple load test on a given website

# Building a Basic Test Plan

Rename the Test Plan to whatever you like the test to be about

## Add a Thread Group

First, add a Thread Group to Test Plan:

1. Right-click on Test Plan
2. Mouse over Add >
3. Mouse over Threads (Users) >
4. Click on Thread Group

The Thread Group has three particularly important properties influence the load test:

* **Number of Threads (users)**: The number of users that JMeter will attempt to simulate.
* **Ramp-Up Period (in seconds)**: The duration of time that JMeter will distribute the start of the threads over.
* **Loop Count**: The number of times to execute the test.

## Add an HTTP Request Sampler

Now you will want to add an *HTTP Request* sampler to *Thread Group*, which represents a page request that each thread (user) will access:

1. Select *Thread Group*, then Right-click it
2. Mouse over *Add >*
3. Mouse over *Sampler >*
4. Click on *HTTP Request*
5. *>* fill in the *Server Name or IP* field with the name or IP address of the web server you want to test and *Port Number.*
6. If necessary, fill in the *Path* field with the url extension

In HTTP Request, under the HTTP Request section, fill in the *Path*with the item that you want each thread (user) to request.

## Add a View Results in Table Listener

In JMeter, listeners are used to output the results of a load test. There are a variety of listeners available, and the other listeners can be added by installing plugins. We will use the Table because it is easy to read.

1. Select Thread Group, then Right-click it
2. Mouse over Add >
3. Mouse over Listener >
4. Click on View Results in Table

You may also type in a value for Filename to output the results to a CSV file.

## Run the Test

First, save the test plan by clicking on File then Save, then specify your desired file name. Then select on View Results in Table in the left pane, then click Run from the main menu then click Start (or just click the green Start arrow below the main menu).