OMSE-535   Assignment 2 (Load test-Jmeter)

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Submit a description of the System Under test, submit the scripts you used and the results for a 2 or more user load test.
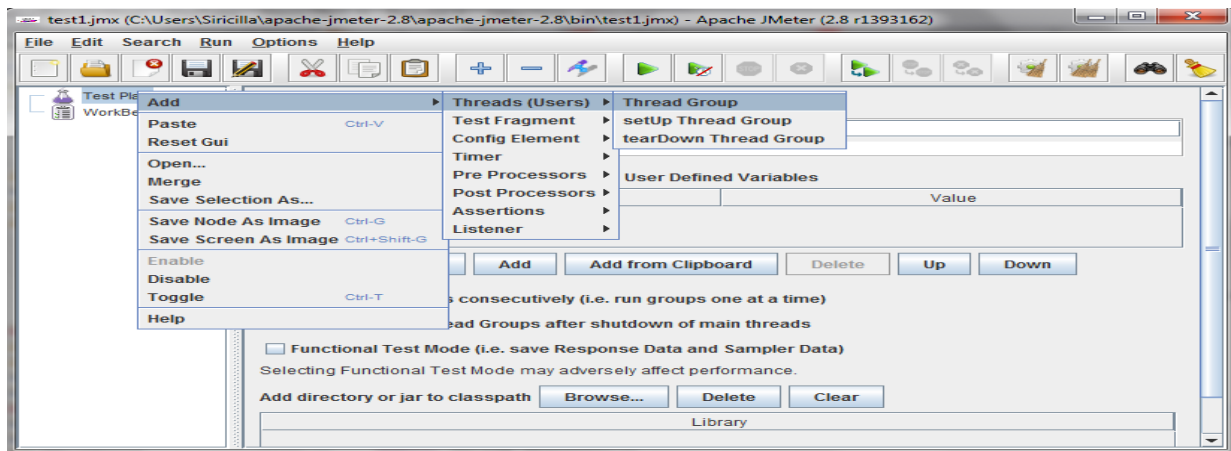
The following test plan describes the system that *Jmeter* will take to perform the testing

Description of the system under test:

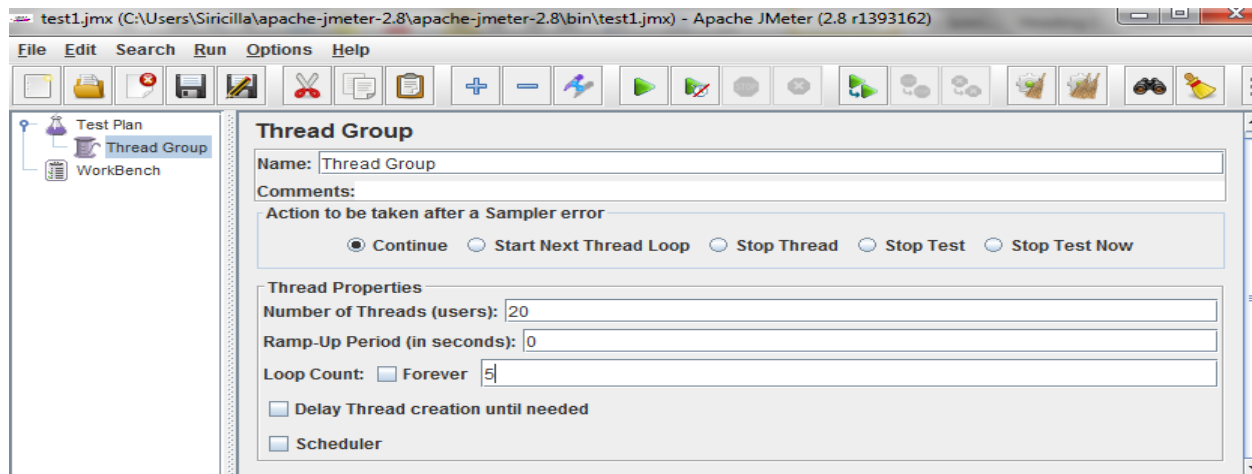The test plan does the stress testing of a "d2l.pdx.edu" website with a load of 100 requests at the same time.

Implementation of the test plan:

Created a thread group. It is used to control the threads that will be created by Jmeter to simulate simultaneous users.
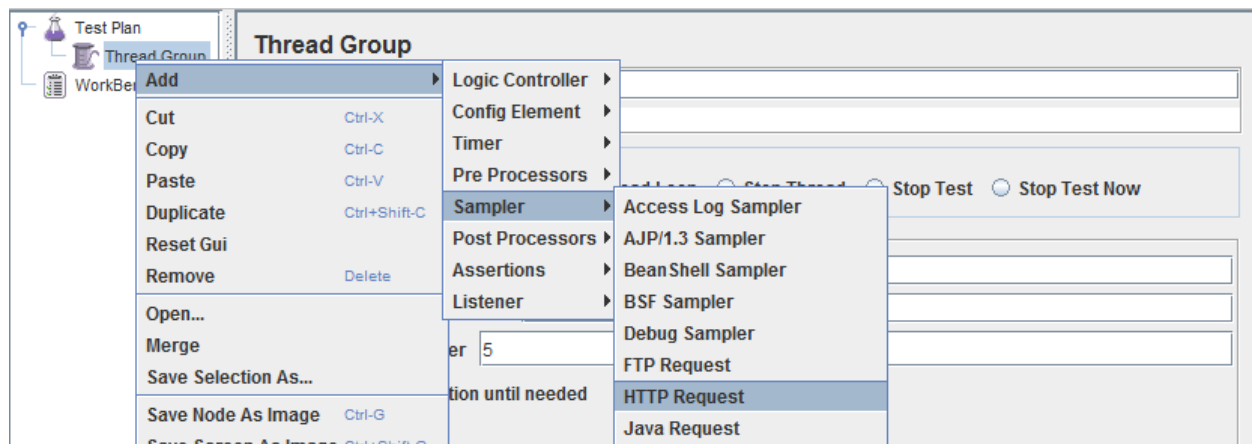

Assigned 20 in *Number of Threads(users)* , set the *Ramp Up Period* to 0 which creates all the threads at once and kept the *Loop Count* to 5(repeat the test 5 times).

This test plan generates a load of 100 requests to website.

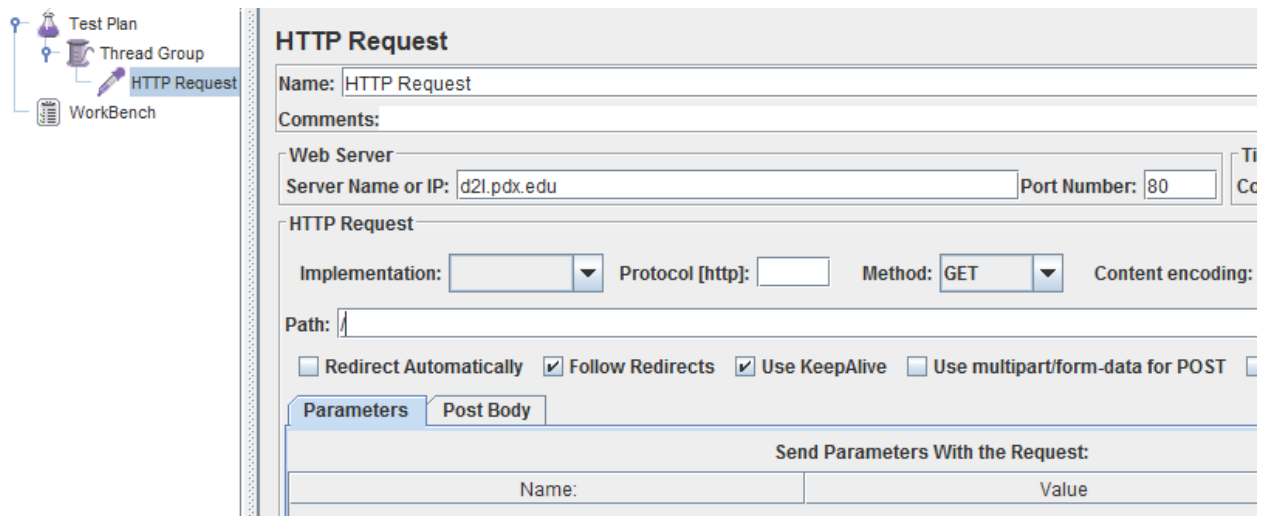Added the *HTTP Request* page, which is used to hit the web application

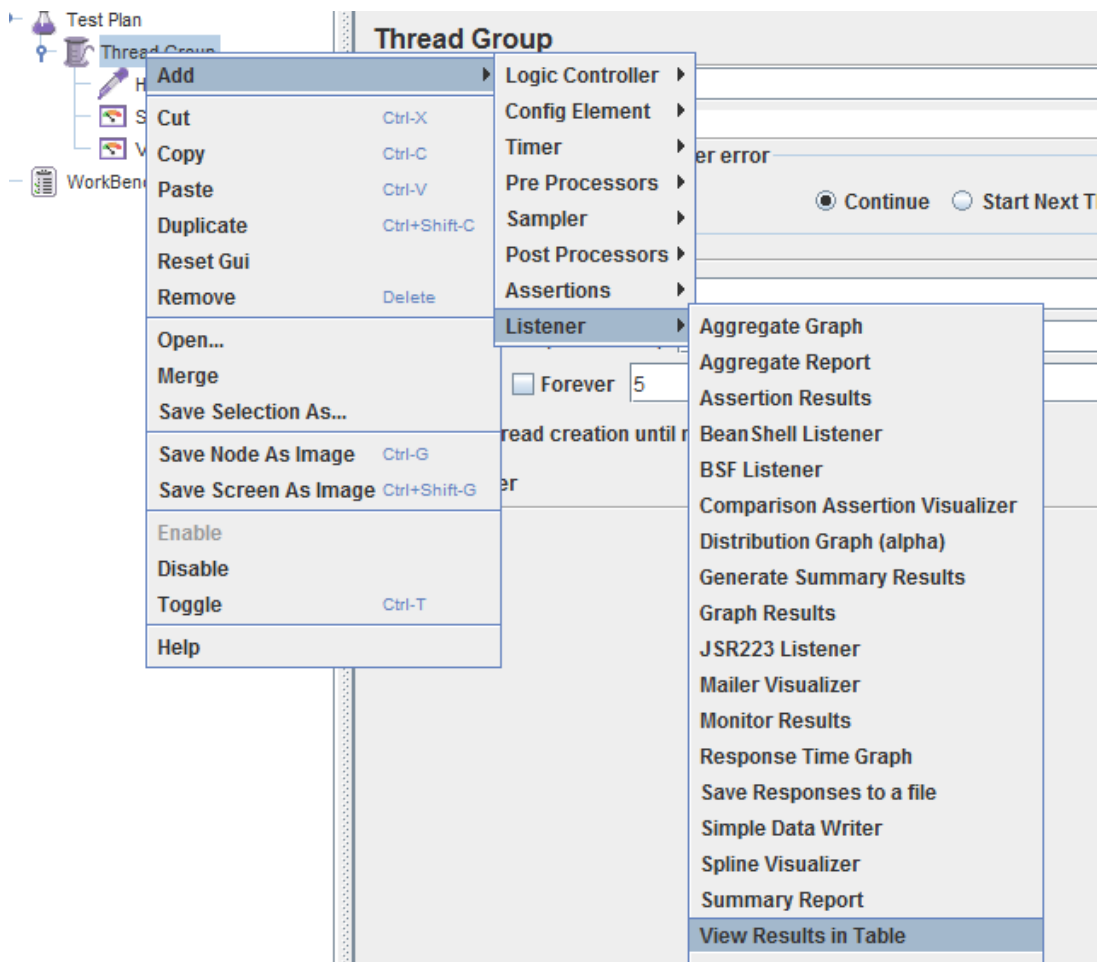
Configured the *HTTP Request* page *as below*

Server Name –d2l.pdx.edu [server name of the application being tested]

Port number – 80 [port number used by the application]

Path - / [path to the resource tha twill handle the request]

Listener gathers the data as the test runs. Used to view results in table/graphs or export data into files.

And Run the test.

Results:

The results of the test shows a total of 100 requests are executed, with a minimum response time of 184ms and maximum response time of 1936ms.An average response time of 467ms per request with a throughput of 26.8 requests per second. The test didn't show any errors (failed assertions).

Summary Report:

Results in table: