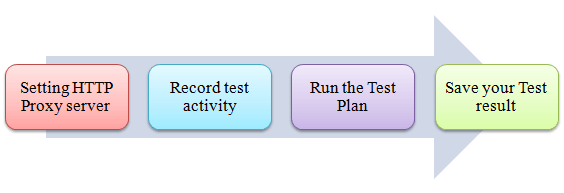
# **HTTP Proxy Server in JMeter: Record Example Script**

Record[Testing](https://www.guru99.com/software-testing.html)help tester to record & run their activity against test target. It is a type of automated testing but for multiple users. This tutorial guides you how to use Proxy Server to record your test.

The Proxy Server allows JMeter to watch and record user activity while they are browsing web application with a normal browser.

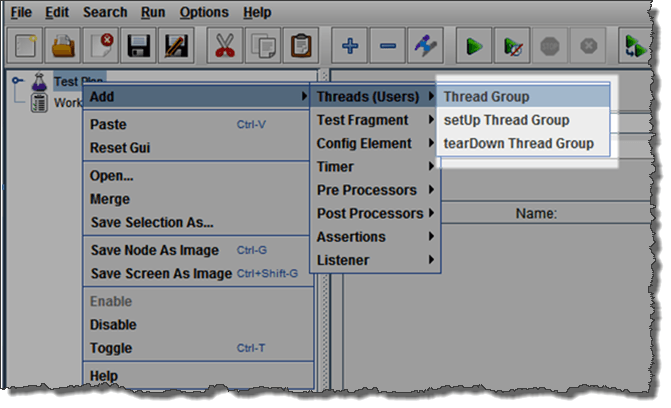
Here is the **roadmap** of this practical example



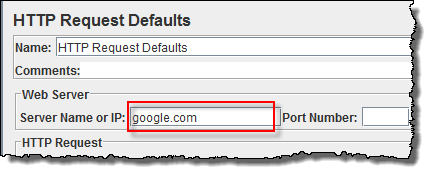
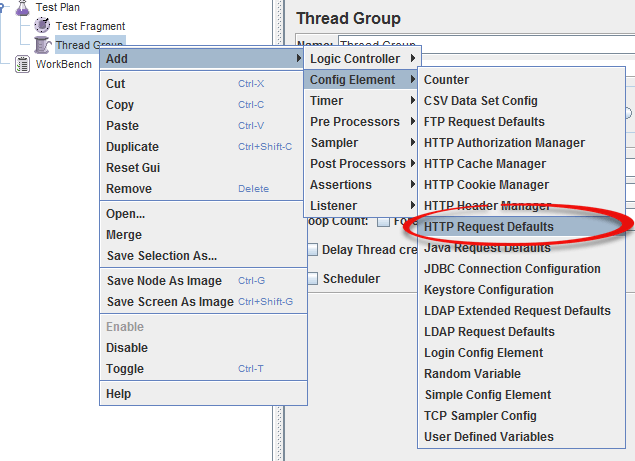
## **Step 1) Setting the HTTP Proxy server**

This is a Step-by-step guide to setup proxy

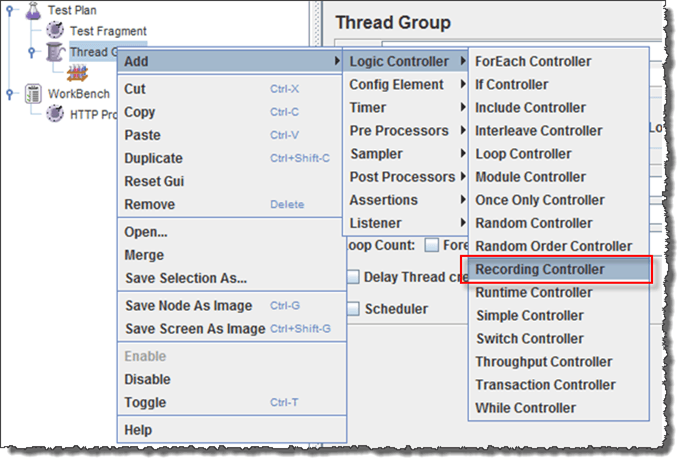
1. Start **JMeter**
2. Select **Test Plan** on the tree
3. Add **Thread Group**Right click on the Test Plan and add a new thread group: **Add => Threads (Users) =>Thread Group**



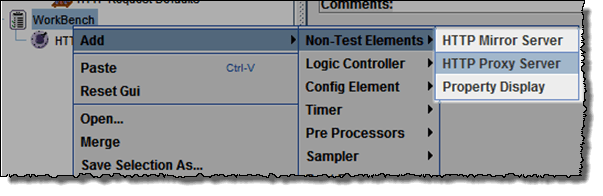
1. Add **HTTP Request**Select the Thread Group; right click **Add => Config Element => HTTP Request Defaults**In new HTTP Request Defaults element: In Server name or IP, enter “google.com”. You should keep the others fields blank



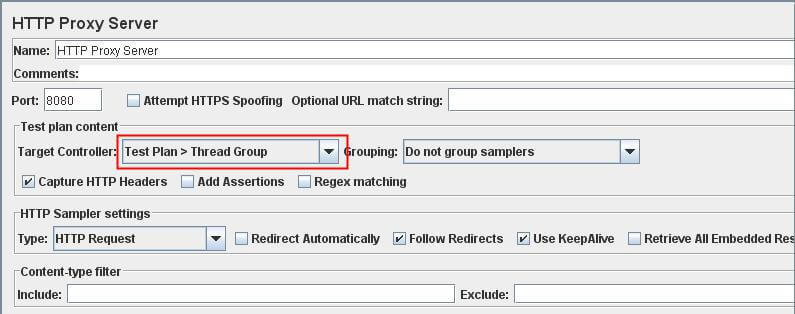
1. Add **Recording Controller**Right click on the “Thread Group” and add a recording controller: **Add => Logic Controller =>  
   Recording Controller**



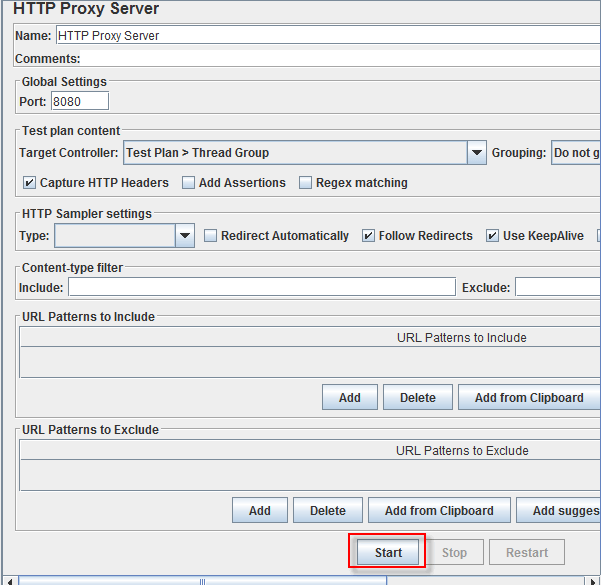
1. Add **Proxy Server** to WorkBenchRight click on the Workbench and add the http proxy: **Add => Non-Test Elements => HTTP Proxy Server**



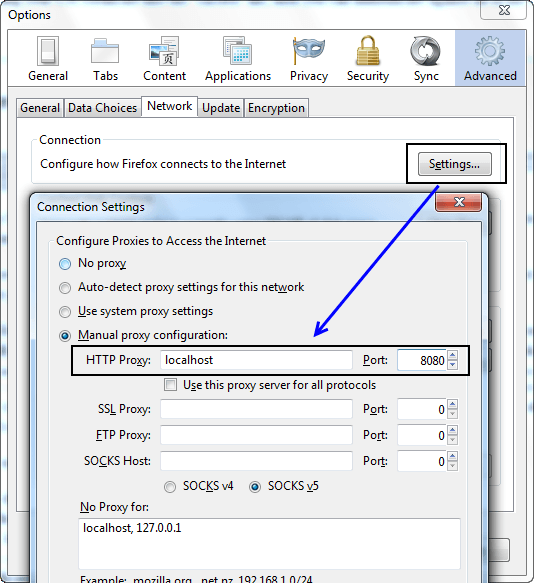
1. Set **Target Controller** where your recorded scripts will be added



1. Start Proxy Server  
   Return to HTTP Proxy Server, and click the Start button at the bottom. Now your JMeter proxy server start

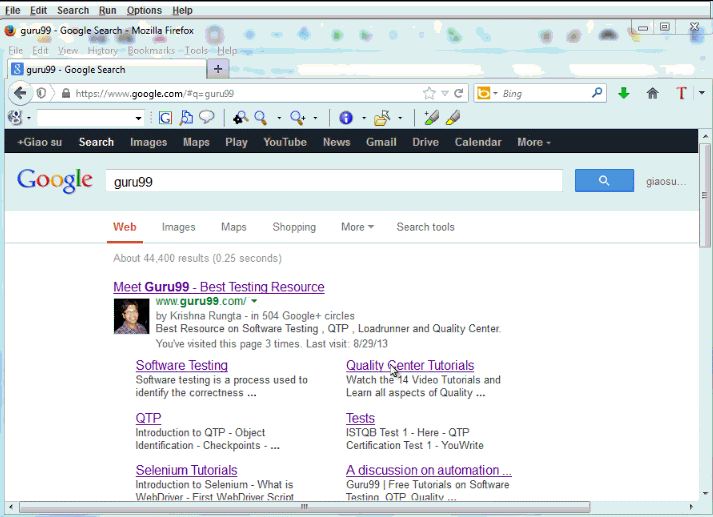


1. Start your Browser (I used Firefox), choose Tool => Option => Advanced => Network => Setting => Enter HTTP proxy as figure below

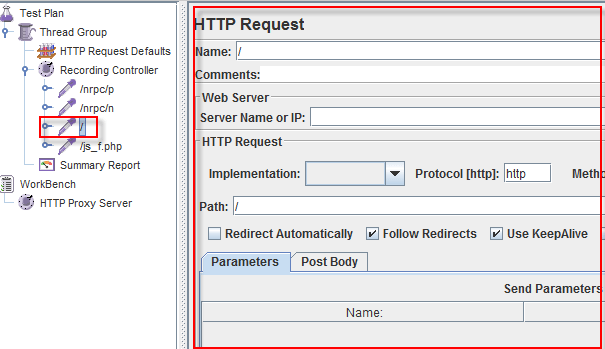


## **Step 2) Record your activity**

1. Now Launch [http://www.google.com](https://www.google.com/) in your web browser (JMeter still open)
2. Do activities search the keyword “**guru99**“.
3. Back to JMeter, in HTTP Proxy Server, click **Stop**when finished



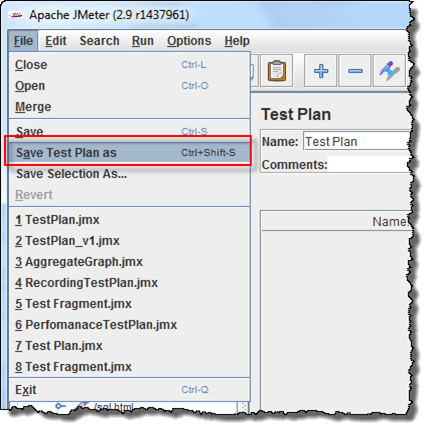
1. After finishing recording, you will see JMeter automatically created a new HTTP request as the figure below



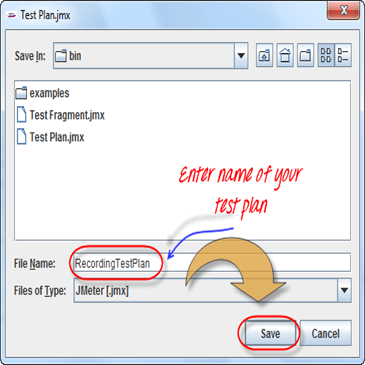
JMeter has already recorded a user request to **the Home Page** of Google website. [Http://www.google.com/](https://www.google.com/)

The other HTTP requests display in above figure, you should remove them. Because sometime JMeter also records some advertising links while you are searching keyword on Google. We should ignore them in our Test Plan

1. Click File => Save your Test Plan as

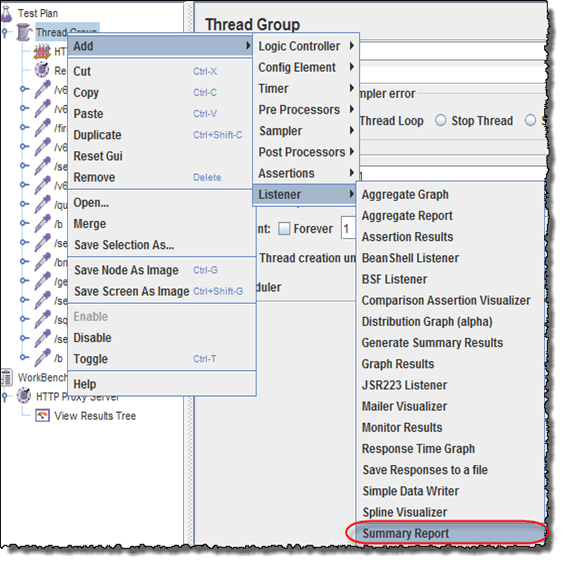


1. A Dialog box display => enter a name of your test plan at File Name field => Click Save
2. Now your Test Plan is saved under name RecordingTestPlan.jmx

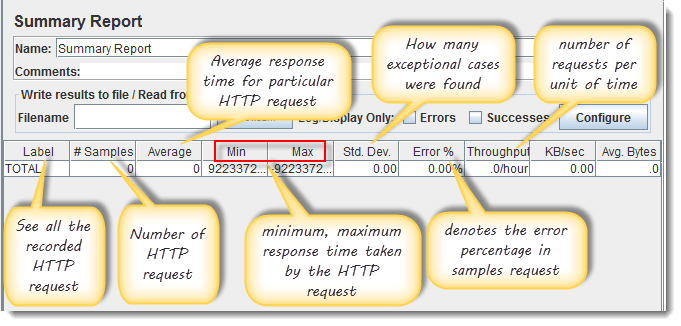


## **Step 3) Run your Test Plan**

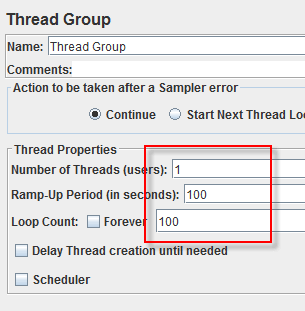
1. Select **Thread Group => Add => Listener=> Summary Report**



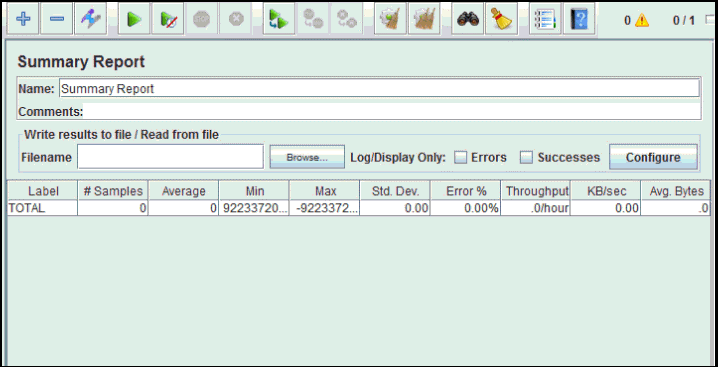
1. The Summary Report will show some basic statics



1. Select Thread Group, enter information as the figure below  
   You can refer the article 5 JMeter Performance Testing.doc to know the detail about Thread Group configuring

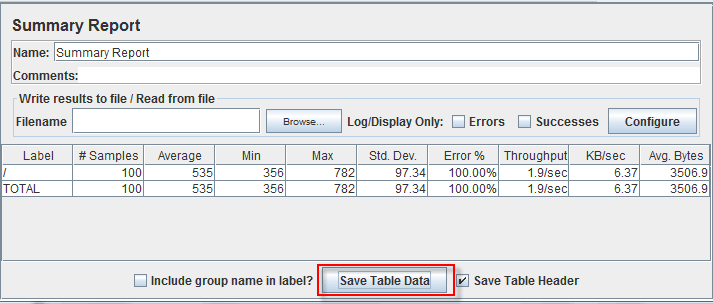


1. Before you start the test, select “Summary Report”. When you ready to run a test, select Run => Start (Ctrl+R). JMeter will playback your activity in 100 times  
   As the test runs, the statistics will change until the test is done.

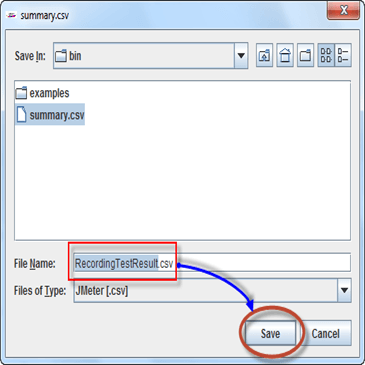


## **Step 4) Save your test result**

1. Click **Save Table Data** to save test result to file



1. Enter the name of the test result and click Save. Test Result in JMeter is saved in \*.csv format as default



[**Download the File Recording Test Plan**](https://drive.google.com/uc?export=download&id=0B_vqvT0ovzHcb0ZveUNDeUFHUnc)

[**Download the File HTTP Proxy Server**](https://drive.google.com/uc?export=download&id=0B_vqvT0ovzHcbVQ0SXM4MFNPUG8)

## **Troubleshooting**

If you face the issue while running the above scenario … do the following

1. Check whether you are connecting to the internet via a proxy. If yes, remove the proxy.
2. Open a new instance of Jmeter
3. Open the RecordingTestPlan.jmx in Jmeter
4. Right Click on Workbench => Merge=> Select HTTP Proxy Server.jmx
5. Click on Thread Group => Summary Report
6. Run the Test