

## Record Your First Script

To Record Script we need to add **Thread Group**, **HTTP Request Default** and **HTTP Proxy Server**.

*Don't be panic I will explain why we need to add all these things.*

**Download** Jmeter and **Install** it on your System.

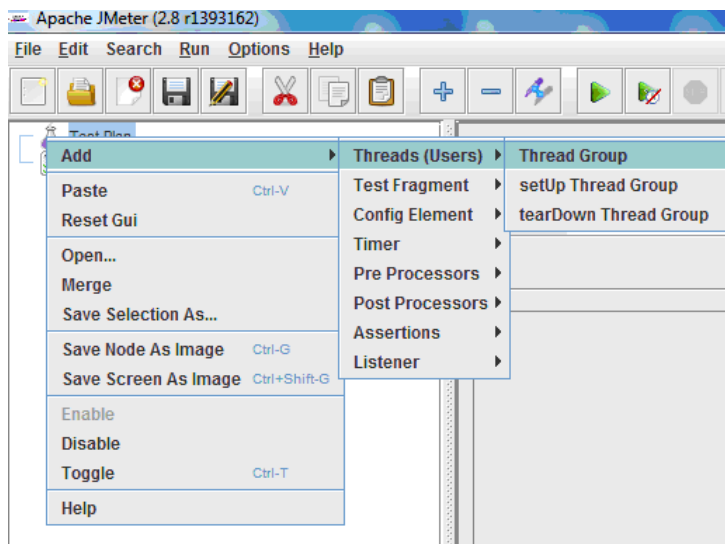
Follow the instruction to record your first script :

### Add Thread Group :

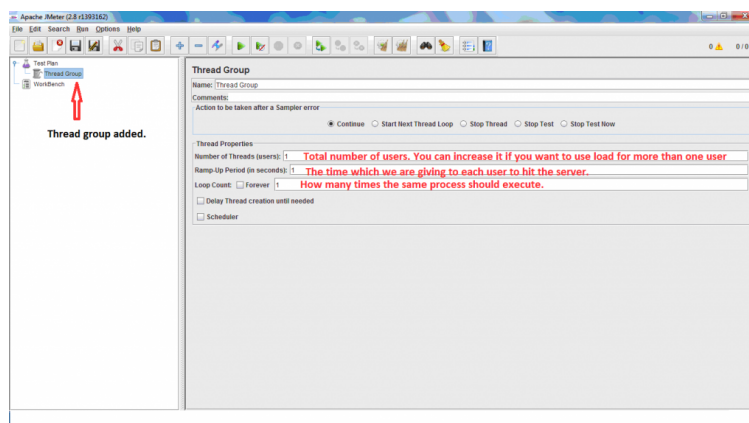
Thread group is nothing but the Total Number of users who are going to hit the website at a time.

Right Click on Test Plan option and go to-

Test Plan → Add → Threads (Users) → Thread Group.



Once the thread group will be added the window will look like-



**Number of Threads**– Number of Threads is total number of users which are going to hit the server. Suppose you want 5 users to hit the server at a time we need to make it 5 instead of 1.

**Ramp-Up Period**– Ramp up period is the time give for each users. Let it make it more easy to understand. Suppose you have 5 users ( Number of Thread) and Ramp up period is 5. The we are giving each user 1 second to hit the server.

### TRENDING NOW

Auto Deploy Code to GCP from Git Workflow

Access Files From Git Shared Repository To Other Repositories

Read Data From CSV And Store In a Variable – Python

Sync JMeter Samplers With Jenkins Job

Integrate Jmeter With Jenkins and Generate HTML Report

Schedule Windows Shut Down Automatically-Windows10

Make Start Menu Full Screen – Windows10

Email Validation Using VB Script In QTP/UFT

All About Dictionary Object in QTP/UFT

Social Media Privacies to Protect Children from Cyber Dangers



Testingfreak

Like Page 200 likes

### CATEGORIES

Jmeter

Selenium

LinkChecker

XENU

Testcase

Checklist

SDLC

Bug/Defect Life Cycle

Waterfall Model

Spiral Model

V-Model

Incremental Model

RAD Model

Testing Differences

Agile Methodology

Test Plan

Operational Readiness Test

Security Testing

Cross Browser Testing

ETL Testing

Open Source Load Testing Tools

Performance Testing Tools

Open Source Functional Testing Tools

Open Source Unit Testing Tools

Mobile Testing

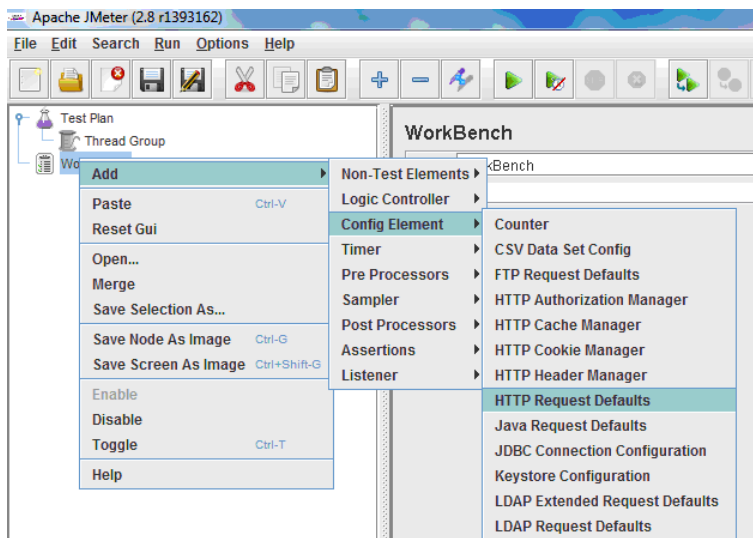
**Loop Count**– Suppose you want to execute the same process 2 times continuously then you need to increase the loop count as 2. It mean 5 people will hit the server two times.

So now lets configure Jmeter for 5 users.

### Add HTTP Request Defaults :

If you are going to send multiple requests to the same web server, consider using an HTTP Request Defaults Configuration Element so you do not have to enter the same information for each HTTP Request. As we are going sent the same request again and again to the server so by this configuration we are making Jmeter to understand the it has to send every time http request only.

Right Click on WorkBench → Add→ Config Elements → HTTP Request Defaults.



Once the HTTP Request Defaults will be added the page will look like-

Now you have to change three things here-

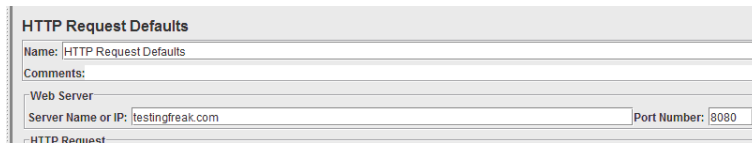
- Server Name or IP.
- Port Number.
- Protocol.

**Server Name or IP** :Server name or IP is nothing but this is url of your web site on which you want to perform load. For example if I want to perform load on testingfreak.com then I need to mention testingfreak.com as server name or IP. (Don't write as https://testingfreak.com).

**Port Number** : The default port number is 8080. So just mention in Port Number field as 8080.

**Protocol [http]** : As you are going to send HTTP request so just mention Protocol as http. Don't mention as in caps.

Next screen shot is shown with configuration-

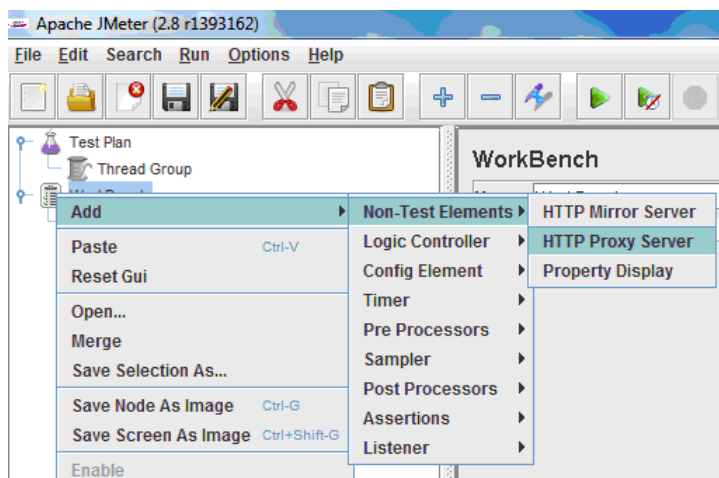


The screenshot shows the 'HTTP Request Defaults' configuration window. It has a 'Name' field with the value 'HTTP Request Defaults' and an empty 'Comments' field. Under the 'Web Server' section, the 'Server Name or IP' is set to 'testingfreak.com' and the 'Port Number' is set to '8080'. The window title is 'HTTP Request Defaults'.

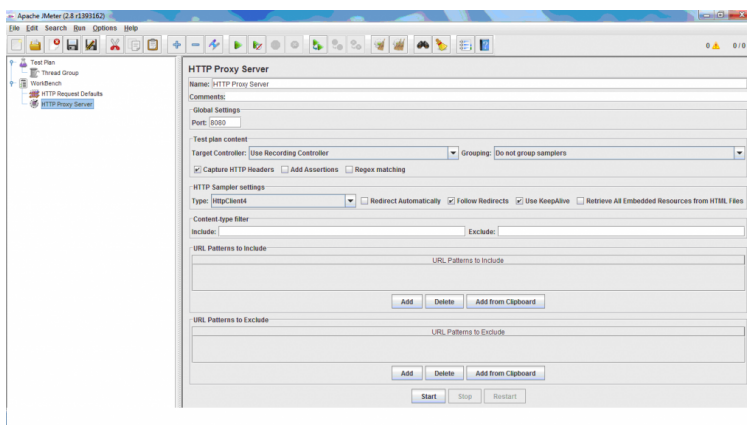
### Add HTTP Proxy Server :

The Proxy Server allows JMeter to watch and record your actions while you browse your web application with your normal browser . JMeter will create test sample objects and store them directly into your test plan as you go (so you can view samples interactively while you make them).

Right Click on Workbench→ Add→ Non-Test Elements → HTTP Proxy Server.



Once HTTP proxy server is added the window will look like this-



On this page you need to change-

Port.

Target Controller.

URL pattern to Include.

URL pattern to Exclude.

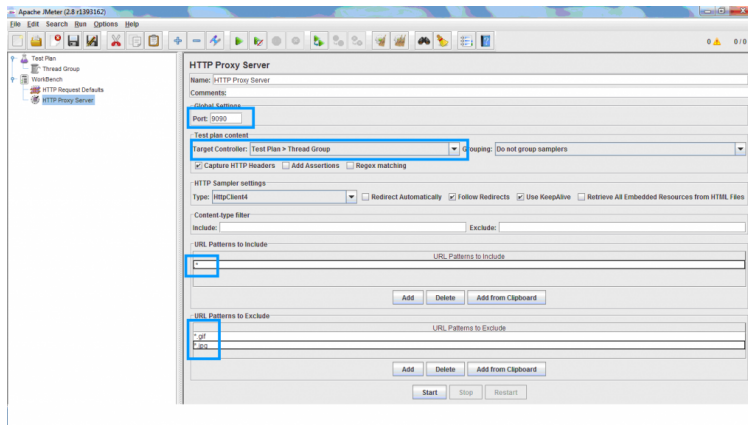
**Port-** We need to change the port as 9090 as sometimes the default port 8080 will be busy once your system is open. So we reserve one port for Jmeter which always be free. It can be any other port also but generally Jmeter works fine with 9090 port.

**Target Controller-** Where your recorded scripts will be added. So we are making Jmeter to understand that what operation that has to perform. How many user that has to use or what are the time specified for the load.

**URL Pattern to Include-** Once your website page loads it loads with all the images. So to perform it perfectly we restrict the images to load or we allow the images to load. So in Include I am going to include all the images and for this we need to put ( \*.\* ). To add this you need to click on Add button.

**URL Pattern to Exclude-** We generally exclude png or gif images so that it could perform well and load fast. So in this field I am going to put (\*gif) and (\*.png). To add more click on Add button.

See the configuration in the next screen shot-



Here we are almost done.

Now we need to add some Listeners so that we could see our result and performance of Jmeter. We have lots of listeners that we can use for the report purpose. We can generate the report in Graph or Table or whatever useful and comfortable for you.

**Add Listener :**

Right click on Thread Group-> Add -> Listener -> View Results Tree.

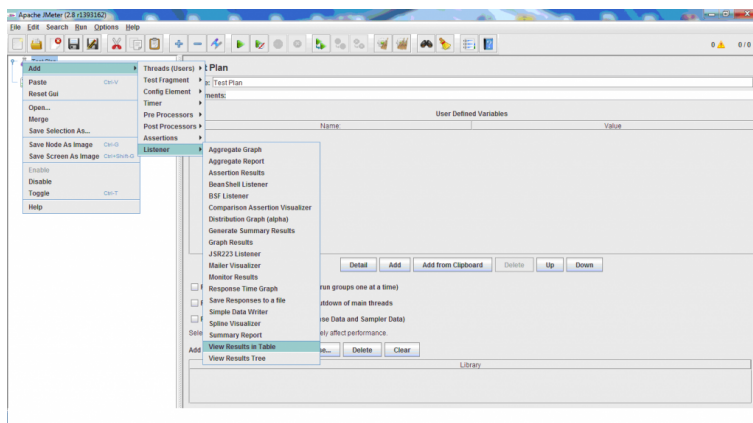
You can add more than one listeners.

Right click on WorkBench-> Add -> Listener -> View Results in Table.

Right click on WorkBench-> Add -> Listener -> Graph Results.

Right click on WorkBench-> Add -> Listener -> Summary Report.

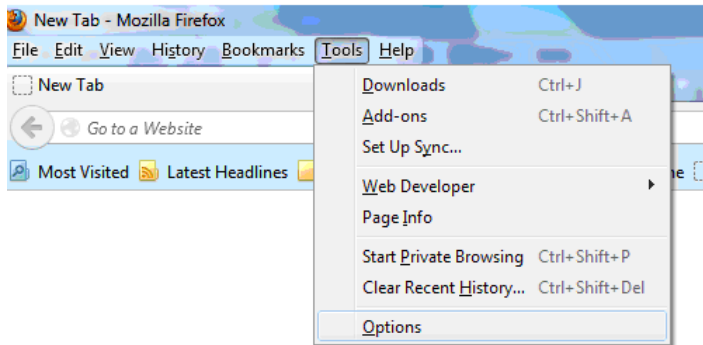
Please add at lease View Result in Table and Summary Report to see the complete report.



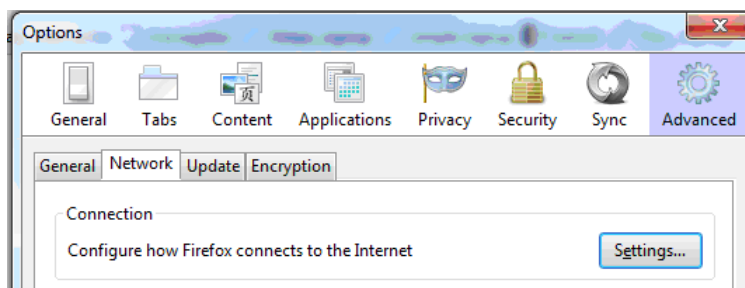
Finally Before running the script we need to Record the script. And for recording the script we need to do little change in our Browser. Recording the script needed only one time and we can use recorded script to perform load as many we want.

#### Browser Proxy Configuration :

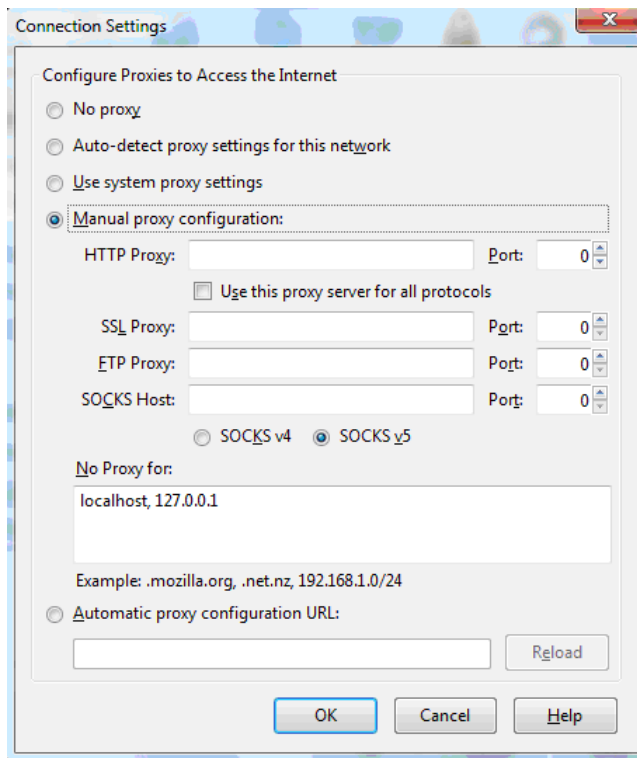
- 1) Open Firefox Browser.
- 2) Click on Tools shown at the top menu.
- 3) Click on Options shown under Tools



- 4) Click on Network tab shown on the window after clicking Options.
- 5) Click on Settings Button.

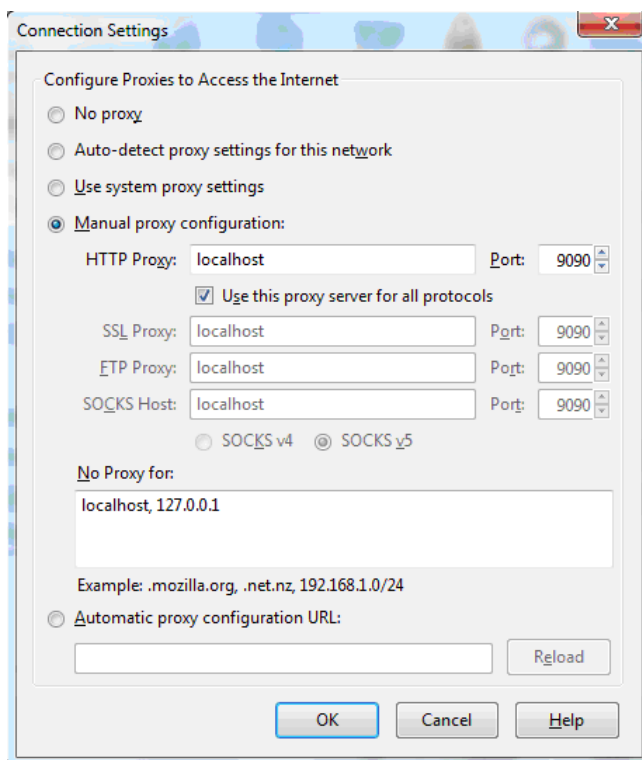


- 6) Click on Manual proxy configuration



7) Type HTTP Proxy as localhost and Port 9090.

8) Click on checkbox "Use this proxy server for all protocols".

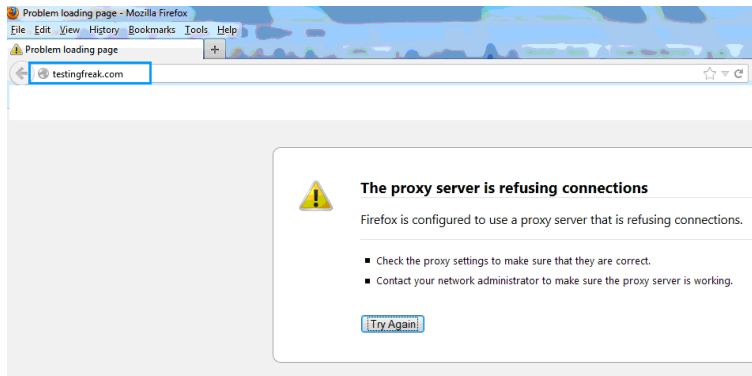


9) Close all the windows by clicking on OK button.

*Wow we are done with all the settings and going to record the script.*

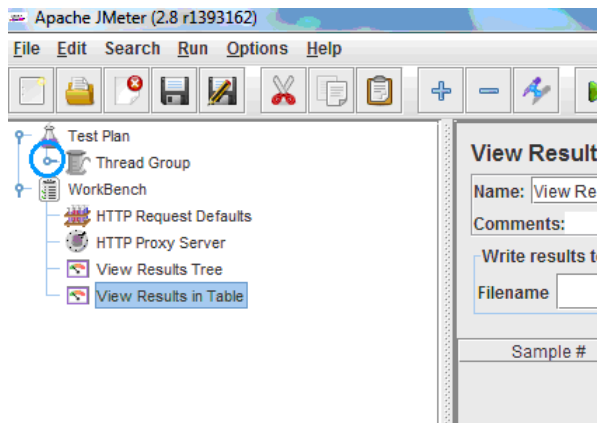
## Record the Script :

1) Type the url in Firefox browser and hit Enter. The page will not load and will show the error message.

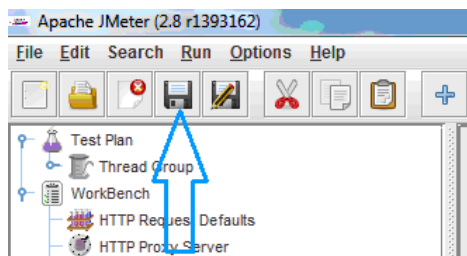


- 2) Now go to the Jmeter and click on HTTP Proxy Server option shown at the left side.
- 3) At the bottom there is a Start button. Click on it. Once you will click on start button the Jmeter will start recording.
- 4) Now go to the Firefox and reload the page testingfreak.com
- 5) Do any operation whatever you want. For example navigate some pages.
- 6) Go to the Jmeter and Click on Stop Button.
- 7) Now you can see the script has been recorded for your operations done in the browser.

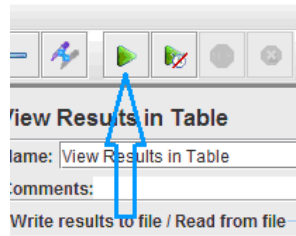
Click on the key to view the recorded script.



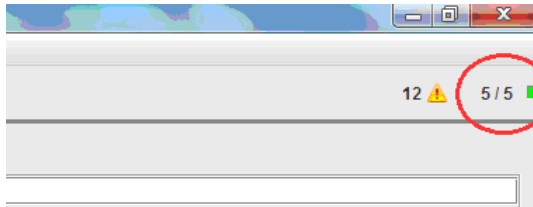
- 8) Now you are ready with the recorded script. Click on the Save Icon or press Ctrl + s to save the recorded script.



- 9) Press Ctrl + r or click on start button



Once you will run the script you can see the green light at the top right corner.



After sometime the green color will get changed brown color that mean Jmeter has completed running the script and load has been performed.

## View Result :

Now its time to view the result

Click on Summary Report-

View Results in Table...

Apache JMeter (2.9.139162)

File Edit Search Run Options Help

Test Plan

- Test Plan
  - Summary Report
  - Aggregate Graph
  - View Results in Table
  - View Results Tree

Workbench

- HTTP Request Defaults
- HTTP Proxy Server

Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename:  Browse Log/Display Only: ☐ Errors ☐ Successes ☐ Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	KB/sec	Agg. Bytes
wp-content/th...	759	562	987	145.27	0.00%	1.10sec	3.35	3244	817.9
wp-content/th...	303	285	340	19.74	0.00%	1.20sec	0.92	787.9	194.0
wp-content/th...	200	287	320	13.63	0.00%	1.20sec	0.66	578.9	142.0
wp-content/th...	414	304	574	118.27	0.00%	1.10sec	0.67	630.9	152.0
wp-content/th...	202	287	320	11.99	0.00%	1.10sec	0.70	624.0	152.0
wp-content/th...	434	341	673	123.70	0.00%	1.10sec	1.12	1102.0	273.0
wp-content/th...	353	290	586	106.62	0.00%	1.10sec	1.02	922.0	224.0
wp-content/th...	309	301	311	11.16	0.00%	1.10sec	0.84	758.0	183.0
wp-content/th...	386	301	586	111.35	0.00%	1.10sec	6.21	4793.0	1153.0
wp-content/th...	1545	1208	1679	176.52	0.00%	5.34min	61.88	6025.0	1461.0
wp-content/th...	870	636	1631	381.93	0.00%	1.10sec	39.45	38914.0	9454.0
wp-content/th...	330	302	367	33.23	0.00%	1.10sec	7.00	6815.0	1681.0
wp-content/th...	386	288	562	65.47	0.00%	1.10sec	0.26	242.0	59.0
wp-content/th...	316	311	311	12.22	0.00%	1.10sec	7.70	2198.0	538.0
wp-content/th...	361	300	576	107.65	0.00%	1.10sec	7.79	2615.0	641.0
TOTAL	75	491	285	1679	352.51	0.00%	6.40sec	55.52	8875.5

☐ Include group name in label?  ☒ Save Table Header

Click on View Result in Table :

**View Results in Table**

Name: View Results in Table

Comments:

Write results to file / Read from file

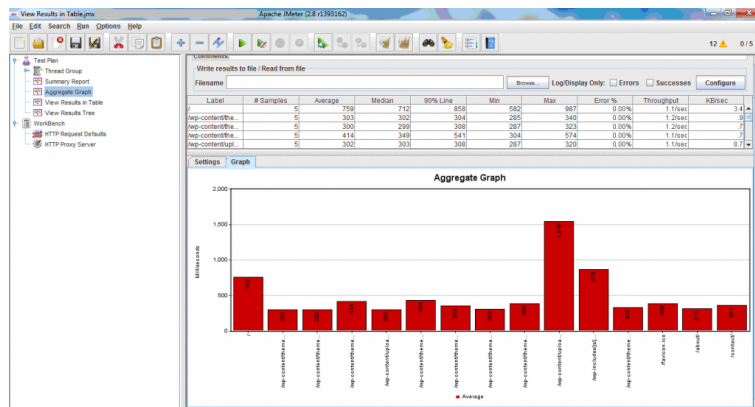
Filename:  Browse Log/Display Only: ☐ Errors ☐ Successes ☐ Configure

Sample #	Start Time	Thread Name	Label	Sample Time (ms)	Status	Bytes	Latency
1	20 47 35 977	Thread Group 1-1	/	896	Success	3244	817.9
2	20 47 36 738	Thread Group 1-1	wp-content/th...	285	Success	787.9	194.0
3	20 47 37 028	Thread Group 1-1	wp-content/th...	287	Success	578.9	142.0
4	20 47 38 064	Thread Group 1-2	/	662	Success	3244	817.9
5	20 47 37 311	Thread Group 1-1	wp-content/th...	287	Success	630.9	152.0
6	20 47 37 448	Thread Group 1-2	wp-content/th...	287	Success	787.9	194.0
7	20 47 37 622	Thread Group 1-1	wp-content/th...	294	Success	842.0	204.0
8	20 47 37 758	Thread Group 1-2	wp-content/th...	287	Success	578.9	142.0
9	20 47 38 027	Thread Group 1-2	wp-content/th...	541	Success	630.9	152.0
10	20 47 37 910	Thread Group 1-1	wp-content/th...	673	Success	1102.0	273.0
11	20 47 37 883	Thread Group 1-3	/	987	Success	3244	817.9
12	20 47 38 610	Thread Group 1-2	wp-content/th...	287	Success	642.0	157.0
13	20 47 38 610	Thread Group 1-1	wp-content/th...	292	Success	922.0	224.0
14	20 47 38 910	Thread Group 1-1	wp-content/th...	316	Success	758.0	183.0
15	20 47 38 892	Thread Group 1-3	wp-content/th...	340	Success	787.9	194.0
16	20 47 38 910	Thread Group 1-2	wp-content/th...	341	Success	1102.0	273.0
17	20 47 38 890	Thread Group 1-4	/	658	Success	3244	817.9
18	20 47 39 290	Thread Group 1-2	wp-content/th...	290	Success	922.0	224.0
19	20 47 39 251	Thread Group 1-1	wp-content/th...	304	Success	4703.0	1153.0
20	20 47 39 251	Thread Group 1-3	wp-content/th...	308	Success	578.9	142.0
21	20 47 39 572	Thread Group 1-2	wp-content/th...	293	Success	758.0	183.0
22	20 47 39 572	Thread Group 1-3	wp-content/th...	304	Success	630.9	152.0
23	20 47 39 572	Thread Group 1-4	wp-content/th...	304	Success	787.9	194.0
24	20 47 39 903	Thread Group 1-4	wp-content/th...	299	Success	578.9	142.0
25	20 47 39 903	Thread Group 1-2	wp-content/th...	301	Success	4703.0	1153.0
26	20 47 39 903	Thread Group 1-3	wp-content/th...	303	Success	842.0	204.0
27	20 47 40 340	Thread Group 1-4	wp-content/th...	340	Success	630.9	152.0

☐ Scroll automatically? ☐ Child samples? No of Samples 75 Latest Sample 321 Average 491 Deviation 352

Click on Aggregate Graph —> Display Graph





*Here we are done with recording our first script...*

[<<Previous](#)      [Next >>](#)

Comments are closed.