

JMETER - FTP TEST PLAN

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In this chapter, we will see how to test a FTP site using JMeter. Let us create a Test Plan to test the FTP site.

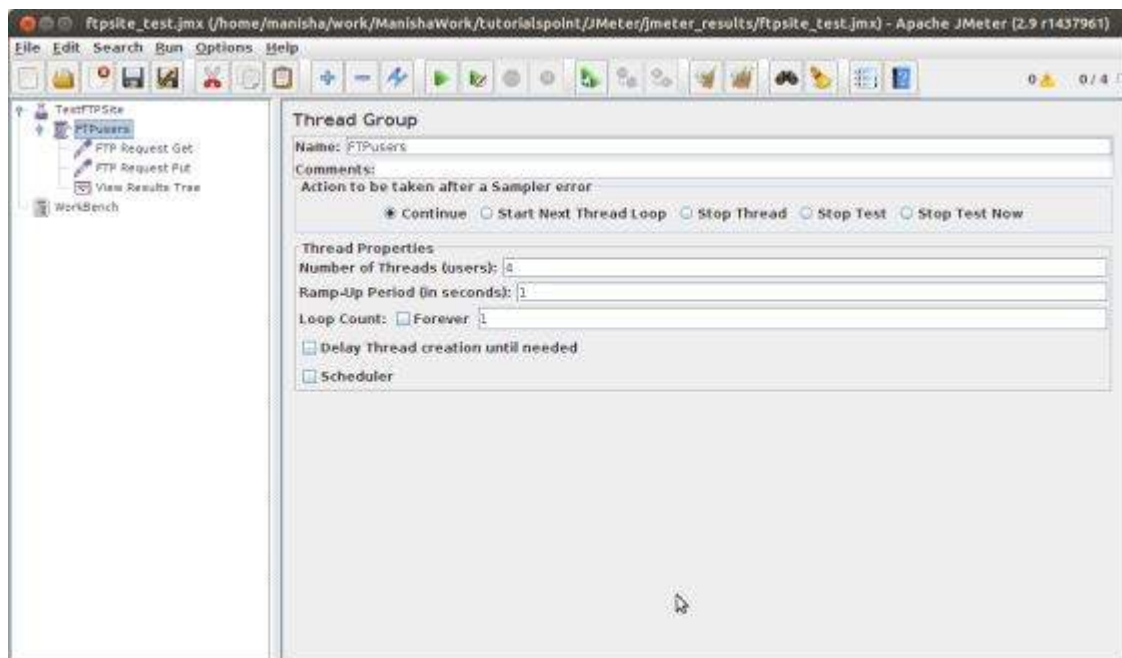
Rename Test Plan

- Open the JMeter window by clicking `/home/manisha/apache-jmeter-2.9/bin/jmeter.sh`
- Click on the Test Plan node.
- Rename this Test Plan node as TestFTPSite.

Add Thread Group

Add one Thread Group, which is placeholder for all other elements like Samplers, Controllers, and Listeners.

- Right click on TestFTPSite *ourTestPlan*
- Select Add > ThreadsUsers > Thread Group. Thread Group will get added under the Test Plan *TestFTPSite* node.
- Modify the default properties of the Thread Group to suit our testing as follows –
 - **Name** – FTPUsers
 - **Number of Threads Users** – 4
 - **Ramp-Up Period** – leave the the default value of 0 seconds.
 - **Loop Count** – 1

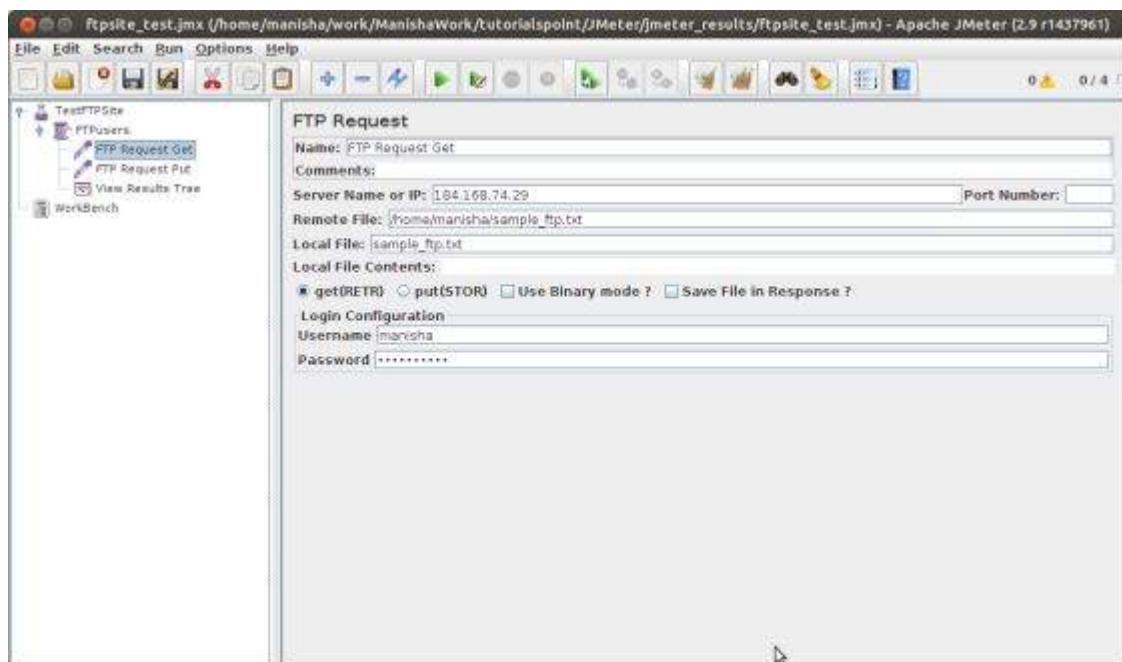


Add Sampler – FTP Request

Now that we have defined our users, it is time to define the tasks that they will be performing. Add FTP Request elements. We add two FTP request elements, one which retrieves a file and the other which puts a file on the ftp site.

- Select the FTPUsers element.
- Right-click the mouse button to get the Add menu

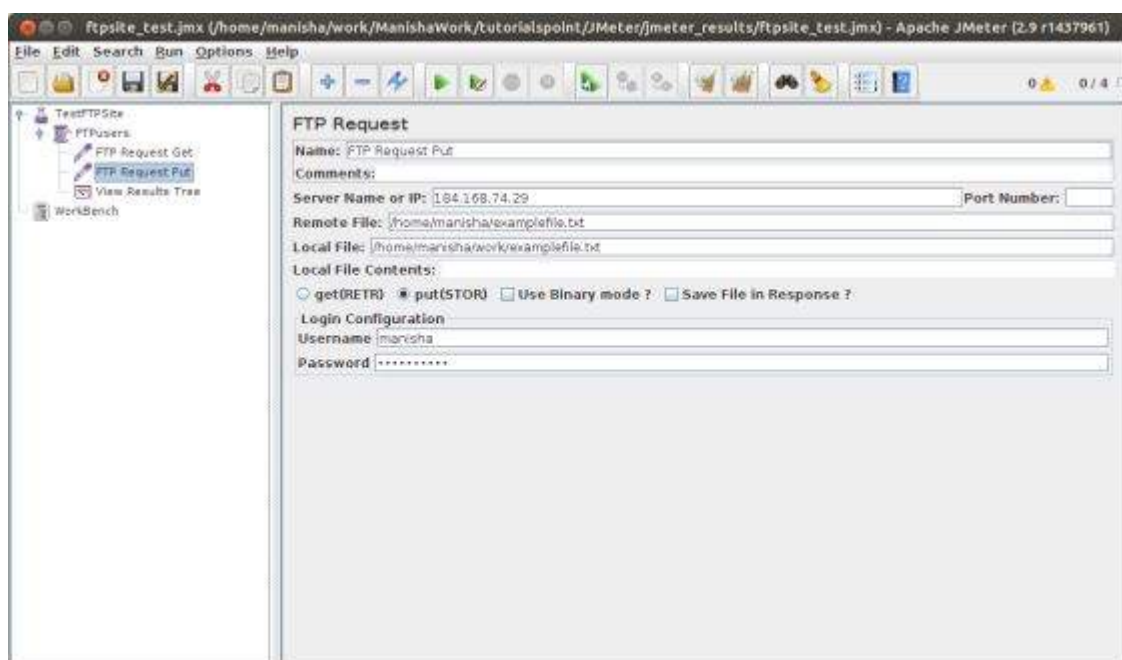
- Select Add > Sampler > FTP Request.
- Select the FTP Request element in the tree.
- Edit the following properties as shown below –



The following details are entered in this element –

- **Name** – FTP Request Get
- **Server Name or IP** – 184.168.74.29
- **Remote File** – /home/manisha/sample_ftp.txt
- **Local File** – sample_ftp.txt
- Select getRETR
- **Username** – manisha
- **Password** – manisha123

Now add another FTP request as above and edit the properties as shown in the following screenshot –



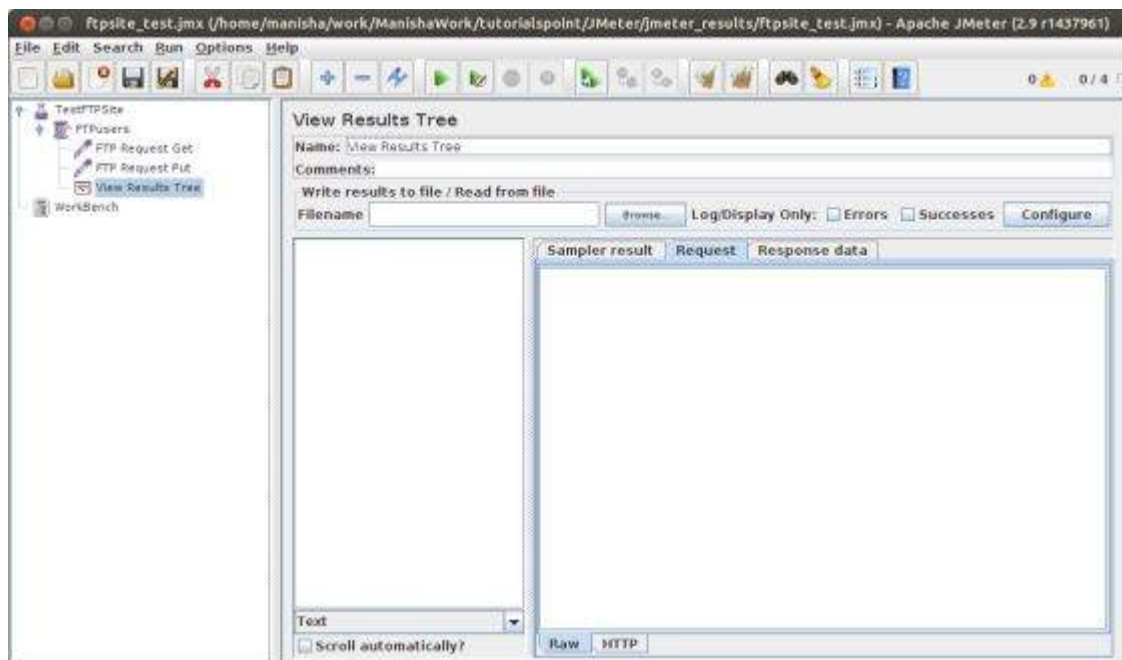
The following details are entered in this element –

- **Name** – FTP Request Put
- **Server Name or IP** – 184.168.74.29
- **Remote File** – /home/manisha/examplefile.txt
- **Local File** – /home/manisha/work/examplefile.txt
- Select put**STOR**
- **Username** – manisha
- **Password** – manisha123

Add Listener

The final element you need to add to your Test Plan is a Listener. This element is responsible for storing all of the results of your FTP requests in a file and presenting a visual model of the data.

- Select the FTPUsers element.
- Add a View Results Tree listener by selecting Add > Listener > View Results Tree.

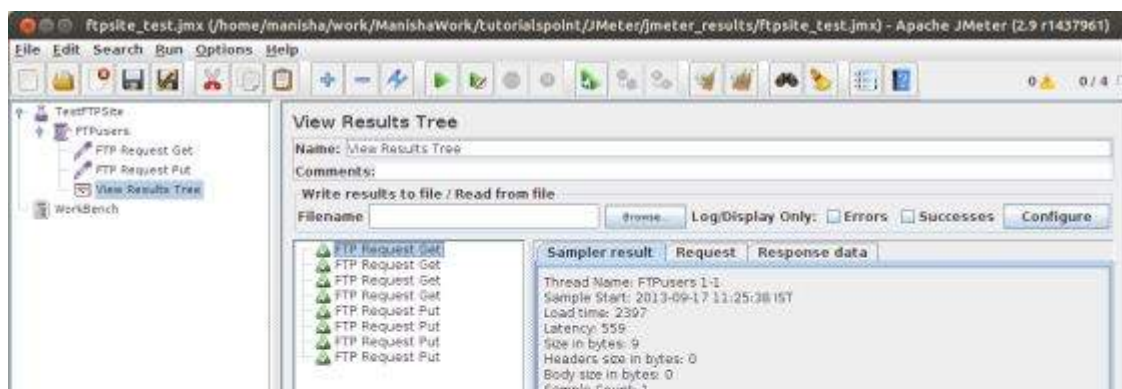


Run the Test Plan

Now save the above test plan as *ftpsite_test.jmx*. Execute this test plan using **Run > Start** option.

View the Output

The following output can be seen in the listener.



Test

Scroll automatically?

Error Count: 0
Response code: 200
Response message: OK

Response headers:

SampleResult fields:
ContentType:
DataEncoding: null

Raw Parsed

ftpsite_test.jmx (/home/manisha/work/ManishaWork/tutorialspoint/JMeter/jmeter_results/ftpsite_test.jmx) - Apache JMeter (2.9 r1437961)

File Edit Search Run Options Help

TestFTPSite
FTPUsers
FTP Request Get
FTP Request Put
View Results Tree
WorkBench

View Results Tree

Name: View Results Tree
Comments:

Write results to file / Read from file
Filename: Browse Log/Display Only: ☐ Errors ☐ Successes

FTP Request Get
FTP Request Get
FTP Request Get
FTP Request Put
FTP Request Put
FTP Request Put

Text

Scroll automatically?

Raw HTTP

Sampler result Request Response data

ftp://184.168.74.25/home/manisha/sample_ftp.bt (ASCII) -> sample_ftp.bt

ftpsite_test.jmx (/home/manisha/work/ManishaWork/tutorialspoint/JMeter/jmeter_results/ftpsite_test.jmx) - Apache JMeter (2.9 r1437961)

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FTP Request Get
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FTP Request Put
FTP Request Put
FTP Request Put

Text

Scroll automatically?

Raw Parsed

Sampler result Request Response data

Thread Name: FTPUsers 1-4
Sample Start: 2013-09-17 11:25:42 IST
Load time: 3047
Latency: 560
Size in bytes: 9
Headers size in bytes: 0
Body size in bytes: 0
Sample Count: 1
Error Count: 0
Response code: 200
Response message: OK

Response headers:

SampleResult fields:
ContentType:
DataEncoding: null

ftpsite_test.jmx (/home/manisha/work/ManishaWork/tutorialspoint/JMeter/jmeter_results/ftpsite_test.jmx) - Apache JMeter (2.9 r1437961)

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FTP Request Put
FTP Request Put
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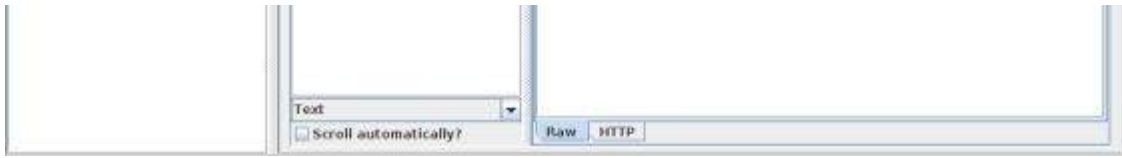
Text

Scroll automatically?

Raw Parsed

Sampler result Request Response data

ftp://184.168.74.25/home/manisha/sample_ftp.bt (ASCII) -> sample_ftp.bt



You can see that four requests are made for each FTP request and the test is successful. The retrieved file for GET request is stored in the /bin folder. In our case, it is **/home/manisha/apache-imotor-2.9/bin/**. For PUT request, the file is uploaded at the path **/home/manisha/**.

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