Apache IMeter:

- *I Meter is a software that can perform load test performance - Oriented business test, regression test etc., on different Protocols & technologies.
- * I Meter is a java desktop application withdraphical interform that uses the sking graphical API.

Installation of Apache Imeter:

- * Installation of I Meter is extremely easy and simple, you Simply unzip, the zipl tarfile into the directory where you want I Meter to be Installed.
 - * Thereis no tedious installation screen to deal with, simply unzip and you are done.
 - * once the unzipping is done installation directory structure Should look like as figure below.

Apache 3.9 > Root Directory bin examples JSP

-> Contains Script file for storing the I Meter.

- * I Meter directory Contains many files & directory
- * /bin: Contains JMeter Script file for Starting JMeter
- * I docs: I Meter documentation files
- * / extras: Ant related extra files
- * / lib : contains the required Javo library for IMeter.

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* |lib|ext: Contains the Core jar files for JMeter and the protocols.

* | Lib junit : Junit library used for JMeter

* Iprintable does,

* Launch JMeter:

you can start I Meter in 3 modes:

* GUI Mode

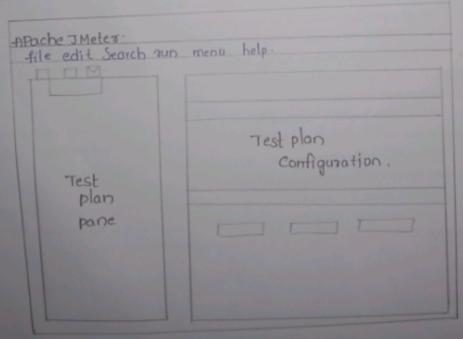
* Server Mode

* Command line Mode -

Start JMeter in GUI Mode:

If you are Using window, just our the file bin j meter. bat to start I Meterin GUI mode as shown below.

The following figure annotates the various components in the JMeter GUI:



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*Build JMeter Test Plan:

Let's start building a test plan by following these. Simple Steps:

Step-1: launch the JMeter Window

- * Go to your I Meter bin folder and double click on the Apache I Meter interface.
- * The following image shows the default I Meter interface with out any additional elements added to it.
- * the default I Meter interfaces Contains a test plan node where the real test plan is Kept
- * The test plan node Contains name of the test plan and user defined variables.
- * User defined variables provides flexibility when you have.

 to repeat any value in any farts of the test plan.

Step-8: Add/remove test plan elements:

- * once you have created a test plan for I Meter the next step is to add and remove elements to I Meter test plan.
- * Select the text plan mode and right click on the selected item
- * Mouse hover on "Add" option, then element list will be displayed.
 - * Mouse hover on destred list element and then select the desired option by clicking.

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usedafte inputde Step-3: Load and save test plan elements:

* To Load elements to JMeter test plan tree, select and right click on any Tree element on which you want to add the loaded element.

* Select "merge" option.

* choose the " jmx file" where you save the elements.

* elements will be merged into the I Meter test plan tree.

* To save the tree elements, right click on the element.

* choose the "Save selection As" option save file on desired location.

Step-4: Configuring the tree elements.

* Elements in the lest plan can be Configured by using Controls present on Imeter's right hand side frame.

* the Control allow you to configure the behaviour of the selected element.

* for example, a thread group can be configured by

Step-5: Save I Meter test plan.

*Till now whe are done with creating test plan, adding on element and Configuring a Tree. Now, you can solve the entire test plan by Choosing the "save" or "save test plan As" from file menu.

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-Apache JMeter-Experiment-I * Creating a Test plan

Step-1: Start JMeter

Step-a: Create a test plan. Step-3: create a thread group that is right click on

test plan, next add, next thread group.

Step-4: Add a sampler, that is tittp request → Add > Samples > Http Request

> WWW. gmoil.com Poth: /

Step-5: Add Listeners

- Add > Listeners

Step-6: save text plan with the extension of jmx.

Summary - Summary Report.

Output: Summary Report.

Name: Summary Repost

comments:

write results to filelread from file.

file name

Label # samples Average min mon stable errors throughput Avg 187 0137 Byles -Http Request 60651 44 64869 95.16.1. 10903 60 44 1876U37 15.16./ 64069 60651 1090360

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Context Sensitive GUIobjects. As y button, or list), andti For example, if following:button When it runs the inthe test script. If dialogbox, WinRun



-Apache I Meter - Experiment - II Creating a Test plan. Step 1: Start JMeter Step-a: Create a test plan. Step-3: Create a thread group that is right, click on test plane Youcancheckas next add, next thread group. ledor whetherar Step-4: Add a Samples, that is http request Property dialog → Add → Sampler >+ Http Request script:button_ch edit_check_infost WWW.google.com ist_check_infowi check info path: 1 TocreateaGUIch Step-5: Add Listeners 1. ChooseInsert> -> Add -> Listeners GUIFORSING -> Summary -> Graph Results The WinRunner step-6: Save test plan With the extension of jmx. Step-7: run the test plan. Output : Graph Results. yassignsargum Name: Graph Results Comments: Write Results to the file read from file file name: Toutput. 1. Youcanmodify o To modify 4 6922 ms expectedvalu o Tochooseadi nerautomatic Note: that if 2. Click Pastetop oms Latest Sample 1796724 Average: 68916 No. of samples 50846 medium 7230 Throughput Desivation 269655

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Apache JMeter - Experiment - III Creating a Test plan.

Step-1: Start JMeter

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Step-6: -ndd Listeners-

->Add > Listeners

-> Summary - View Results tree.

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· jmx.

step-7: run the test plan.

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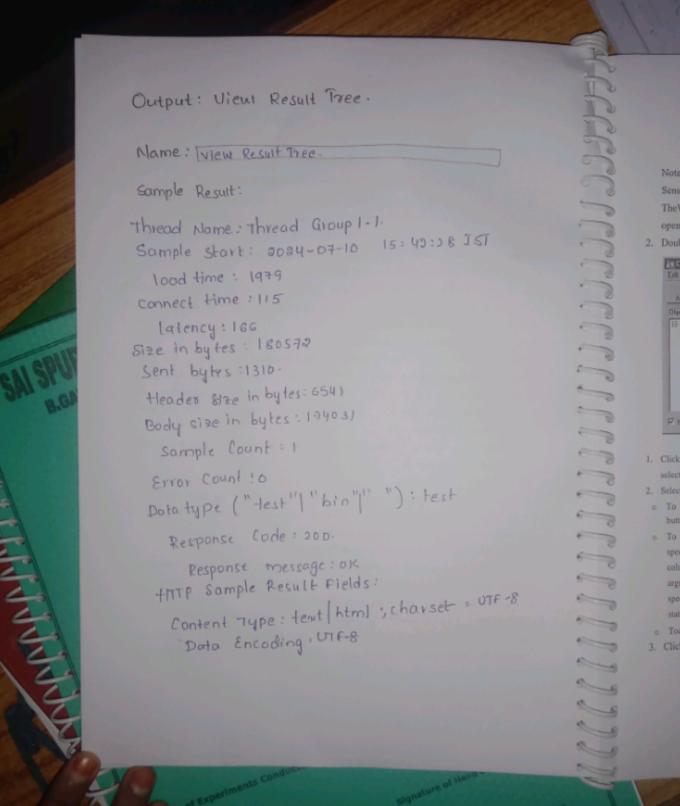
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1. Choose forObj



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2. Double-clicktheobjects



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- 2. Selectthepropertiesyouw
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