**Logic Controllers in JMeter**

Logic controller helps us define the order of request which need to be executed in the JMeter.

Steps:

* Create a new Test plan.
* Add new Thread Group.
* Add Two HTTP Request.
* Add a Listener.
* Change the loop number of tread to execute as 2
* Run the test

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* Add Logic Controller – Simple Controller

Simple Controller doesn’t provide any functionality its just a container that contains user request.

Simple controller group the Thread request

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* Add some Thread Request inside the Simple controller and Run

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* Add Once Only Controller

Once Only Controller provides functionality to run any user request to run only once per loop. Add once only controller to thread group by using below steps.

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‘HTTP Request\_need to execute only once’ is executed only once because it is inside the Once Only Controller

Module Controller

Module Controller provides functionality to run which module needs to run. Add module controller to thread group by using below steps.

Right click on Thread Group >> Add >> Logic Controller >> Module Controller

Examle:-

Creating some Scenario:

1.login and search a product

2.login and order a product

3.login and cancel order

Steps:

* Create a new Test Plan
* Create 3 Thread Group for 3 Scenario
* Create HTTP requestes
* Add a Listener

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* Add Test Fragment

Test Fragment element is a special controller which can be added directly under JMeter test plan like Thread Group. But It does nothing except holding other elements inside!! It gets executed only when it is referenced by a Module/Include controller from other Thread Groups.

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Place the request inside it [repeating Request is login]

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Request gets executed when called from controller like module controller/include controller

* Add Module controller

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Select Test fragment

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Add controller in all Thread group [because every thread group has login]

Run the Test plan [Same as previous Tread]

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Include Controller

Include controller of JMeter is very useful if you want to break your test plan in small fragments. There are many different jmeter controllers available. Each of them has a different purpose as per its name.

Include controller is useful to include external test fragments in your test. Means you can include external test fragment in your software load test plan using include controller.

Include controller provides you the facility to use external test fragments in your test plan. So you have to save login steps as a test fragment and then you can use that test fragment in your all software load test plans using Include Controller

Example:

Scenario

1.Login

2.Search product

4.Cancel Product

Steps:

* Add Thread Group
* Save login as JMX file for include controller

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* Add include controller inside Thread group

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* Add File

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* Add requests inside the Thread Group and Run

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