

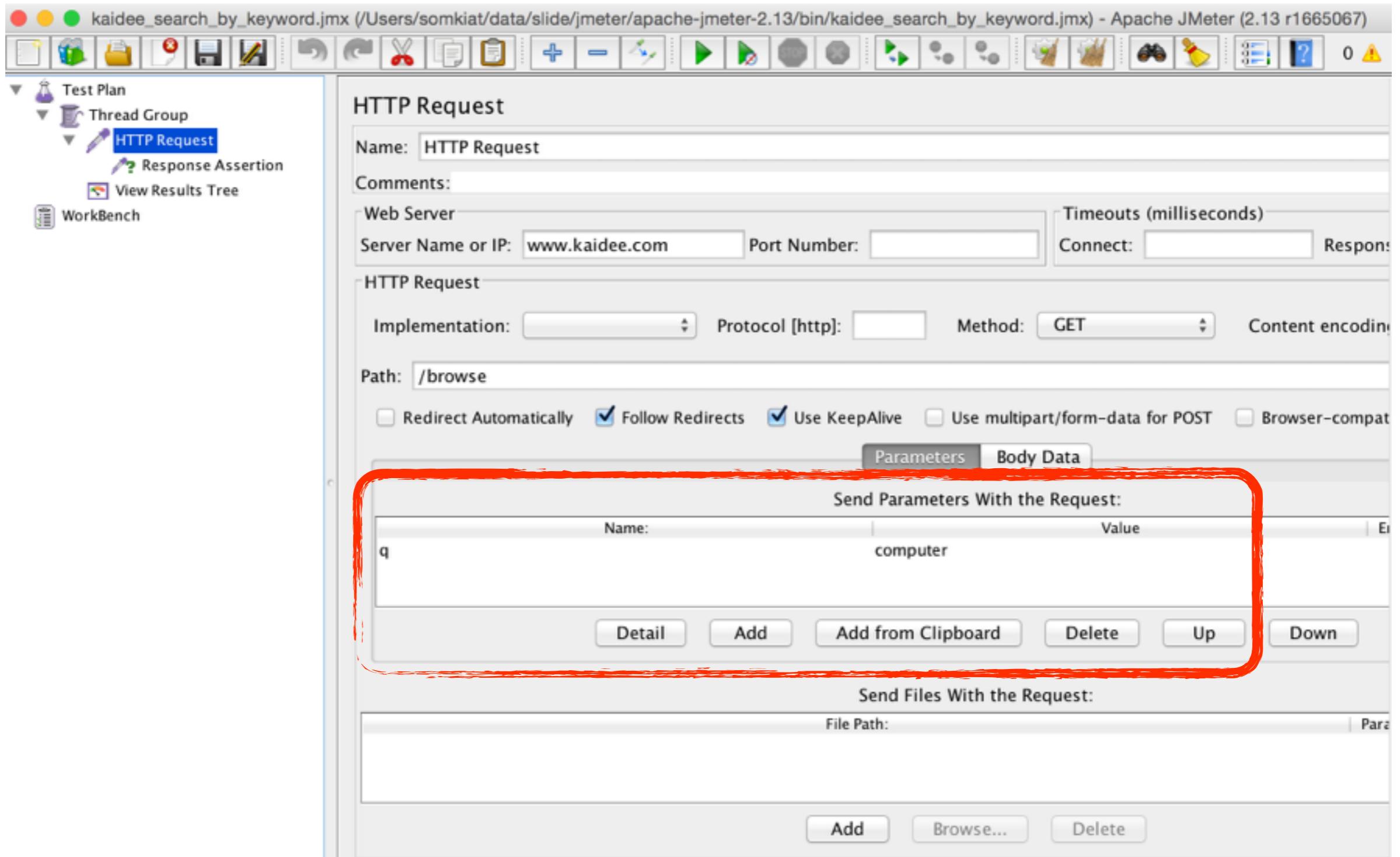
Working with data



Parameterization ?

Way to replace a **hard code** value in script
with a **parameter** that presents a **list of value**

Search keyword [hard code]



The screenshot shows the Apache JMeter interface with a test plan named "kaidee_search_by_keyword.jmx". The "HTTP Request" configuration is selected in the tree view. The "Parameters" tab is active, showing a parameter named "q" with the value "computer". This section is highlighted with a red box.

HTTP Request

Name: HTTP Request

Comments:

Web Server

Server Name or IP: www.kaidee.com Port Number: Timeouts (milliseconds)

Connect: Response:

HTTP Request

Implementation: Protocol [http]: Method: GET Content encoding:

Path: /browse

Redirect Automatically Follow Redirects Use KeepAlive Use multipart/form-data for POST Browser-compat

Parameters Body Data

Send Parameters With the Request:

Name:	Value
q	computer

Detail Add Add from Clipboard Delete Up Down

Send Files With the Request:

File Path:

Add Browse... Delete

What we need ?

Test with different values

Replace hard code with parameters

Simulate real user behaviour with test

Prepare test data [real data]

Top 20 keywords for search

1	facebook
2	youtube
3	download
4	movies
5	google
6	streaming
7	hotmail
8	facebook login
9	internet
10	yahoo
11	madasfish
12	ebay
13	antivirus software
14	yahoo mail
15	craigslist
16	aot
17	paid to promote
18	dvd movies online
19	gmail
20	games

How to replace [hard code] ?

The screenshot shows the Apache JMeter interface with a test plan containing a single thread group and an HTTP request sampler. The 'HTTP Request' configuration is highlighted with a red box around its parameters section. The 'Name' field is set to 'HTTP Request'. In the 'Parameters' tab, there is a table with one row:

Name:	Value
q	computer

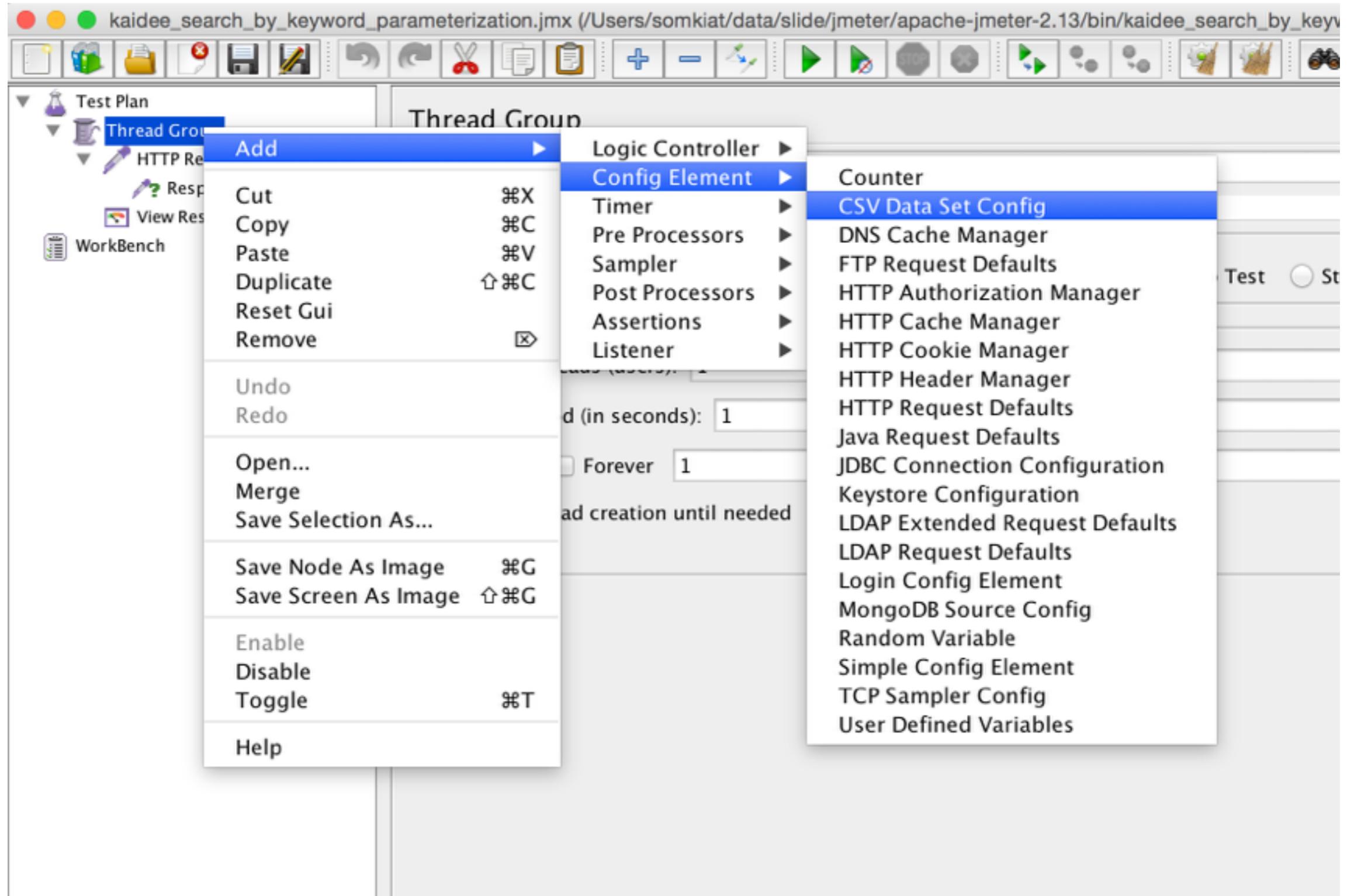
Below the table are buttons for 'Detail', 'Add', 'Add from Clipboard', 'Delete', 'Up', and 'Down'. The 'Body Data' tab is also visible.



SPRINT3R

Siam Chamnankit Co., Ltd., Odd-e (Thailand) Co., Ltd. and Alliance

Use CSV data set config



Configuration

File name = **keyword.txt**
Variable names = **KEYWORD**

The screenshot shows the JMeter interface with the following details:

- Test Plan Structure:** The left sidebar shows a tree structure with "Test Plan" expanded, containing "Thread Group", "HTTP Request", "Response Assertion", "View Results Tree", and "CSV Data Set Config". The "CSV Data Set Config" node is highlighted with a blue selection bar.
- CSV Data Set Config Dialog:** The main panel displays the configuration for the selected "CSV Data Set Config" node.
 - Name:** Top 20 keywords
 - Comments:** (empty)
 - Configure the CSV Data Source:**
 - Filename:** keyword.txt
 - File encoding:** (empty)
 - Variable Names (comma-delimited):** KEYWORD
 - Delimiter (use '\t' for tab):** ,
 - Allow quoted data?:** False
 - Recycle on EOF ?:** True
 - Stop thread on EOF ?:** False
 - Sharing mode:** All threads

Update sampler with variables

Value = \${KEYWORD}

The screenshot shows the JMeter interface with the following details:

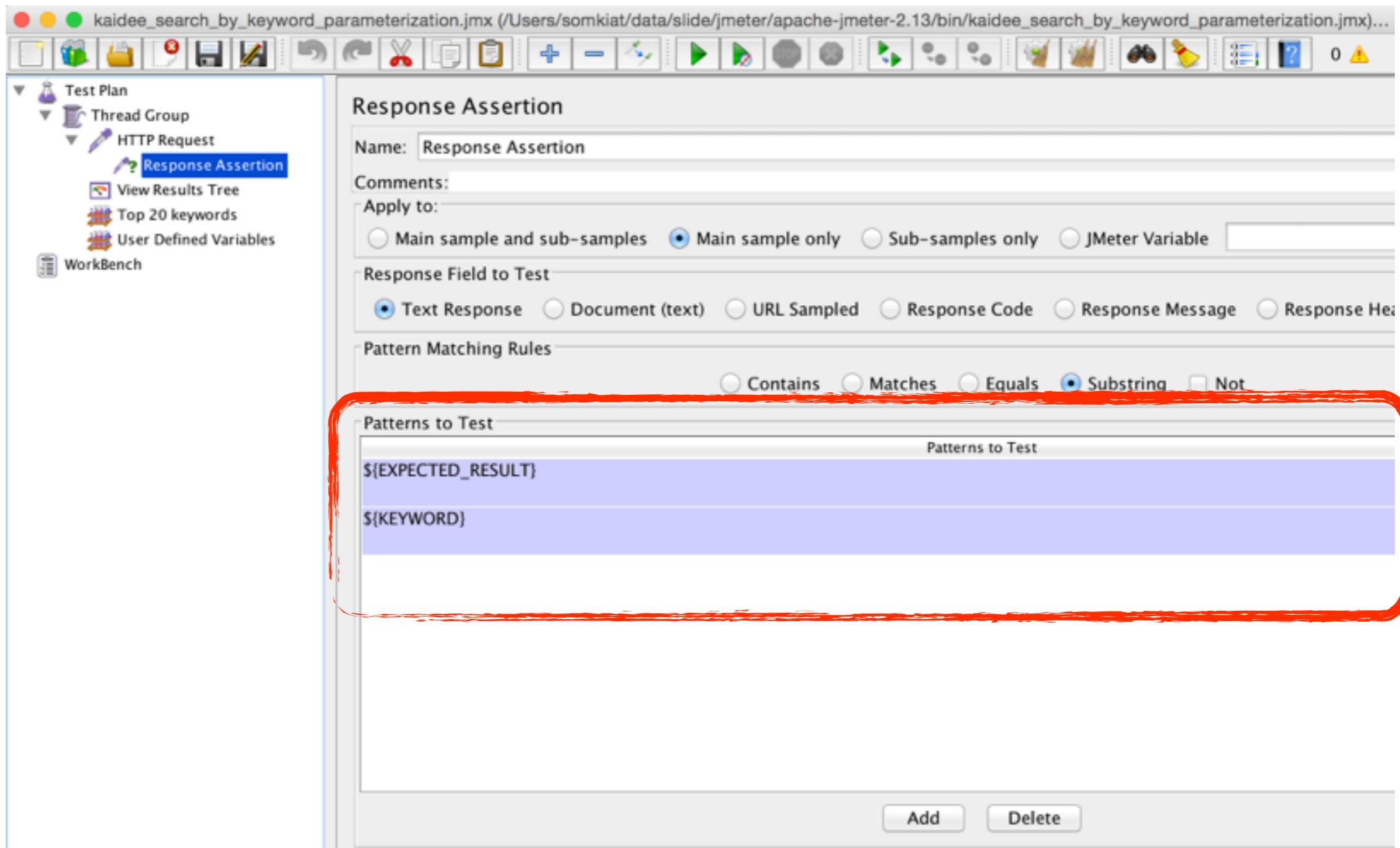
- Test Plan Structure:** Shows a Thread Group containing an **HTTP Request** sampler.
- HTTP Request Sampler Configuration:**
 - Name:** HTTP Request
 - Comments:** None
 - Web Server:**
 - Server Name or IP:** www.kaidee.com
 - Port Number:** None
 - Connect:** None
 - HTTP Request:**
 - Implementation:** None
 - Protocol [http]:** http
 - Method:** GET
 - Content:** None
 - Path:** /browse
 - Advanced Options:**
 - Redirect Automatically
 - Follow Redirects
 - Use KeepAlive
 - Use multipart/form-data for POST
 - Browser Encoding
- Send Parameters With the Request:** A table showing a single parameter:

Name:	Value:
q	\${KEYWORD}

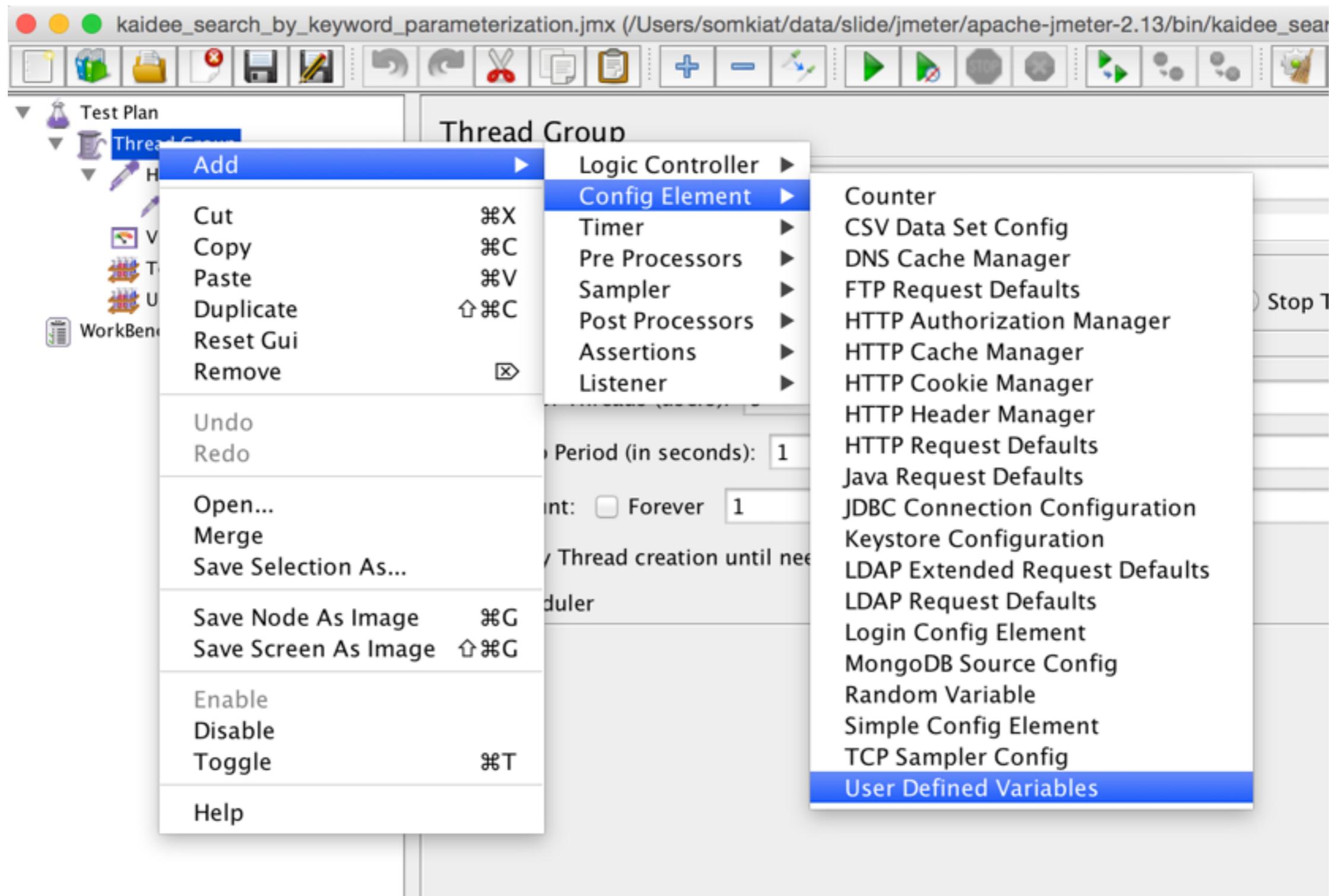
Buttons below the table: Detail, Add, Add from Clipboard, Delete, Up, Down.
- Send Files With the Request:** A section with a File Path input field.

Update assertion with variables

\${KEYWORD}



Try to use User defined variable



Try to use User defined variable

Name = EXPECTED_RESULT

Value = ผลการค้นหา

The screenshot shows the JMeter interface with a test plan named "kaidee_search_by_keyword_parameterization.jmx". The left sidebar shows a tree structure with "Test Plan", "Thread Group", "HTTP Request", "Response Assertion", "View Results Tree", "Top 20 keywords", and "User Defined Variables". The "User Defined Variables" item is selected and highlighted in blue. The main panel displays the "User Defined Variables" configuration. It has fields for "Name" (set to "User Defined Variables") and "Comments". Below is a table titled "User Defined Variables" with columns "Name", "Value", and "Description". A single row is present with "EXPECTED_RESULT" in the Name column, "ผลการค้นหา" in the Value column, and an empty Description column.

Name	Value	Description
EXPECTED_RESULT	ผลการค้นหา	

Run and see result

The screenshot shows the JMeter interface with the 'View Results Tree' listener selected. The left sidebar shows a tree structure with 'Test Plan', 'Thread Group', 'HTTP Request', 'Response Assertion', 'View Results Tree' (which is selected and highlighted in blue), 'Top 20 keywords', and 'User Defined Variables'. Below this is a 'WorkBench' section. The main panel is titled 'View Results Tree' and contains fields for 'Name' (set to 'View Results Tree'), 'Comments' (empty), and 'Write results to file / Read from file' (checkbox checked). There are also fields for 'Filename' (empty) and 'Browse...' button, and checkboxes for 'Log/Display Only' (Errors and Successes are unchecked). A dropdown menu 'Text' is open. On the right, there are tabs for 'Sampler result', 'Request', and 'Response data'. The 'Request' tab is selected, displaying the following details:

```
GET http://www kaidee com/browse? q=facebook  
[no cookies]  
Request Headers:  
Connection: keep-alive  
Host: www kaidee com  
User-Agent: Apache-HttpClient/4.2.6 (java 1.5)
```

Let's workshop

