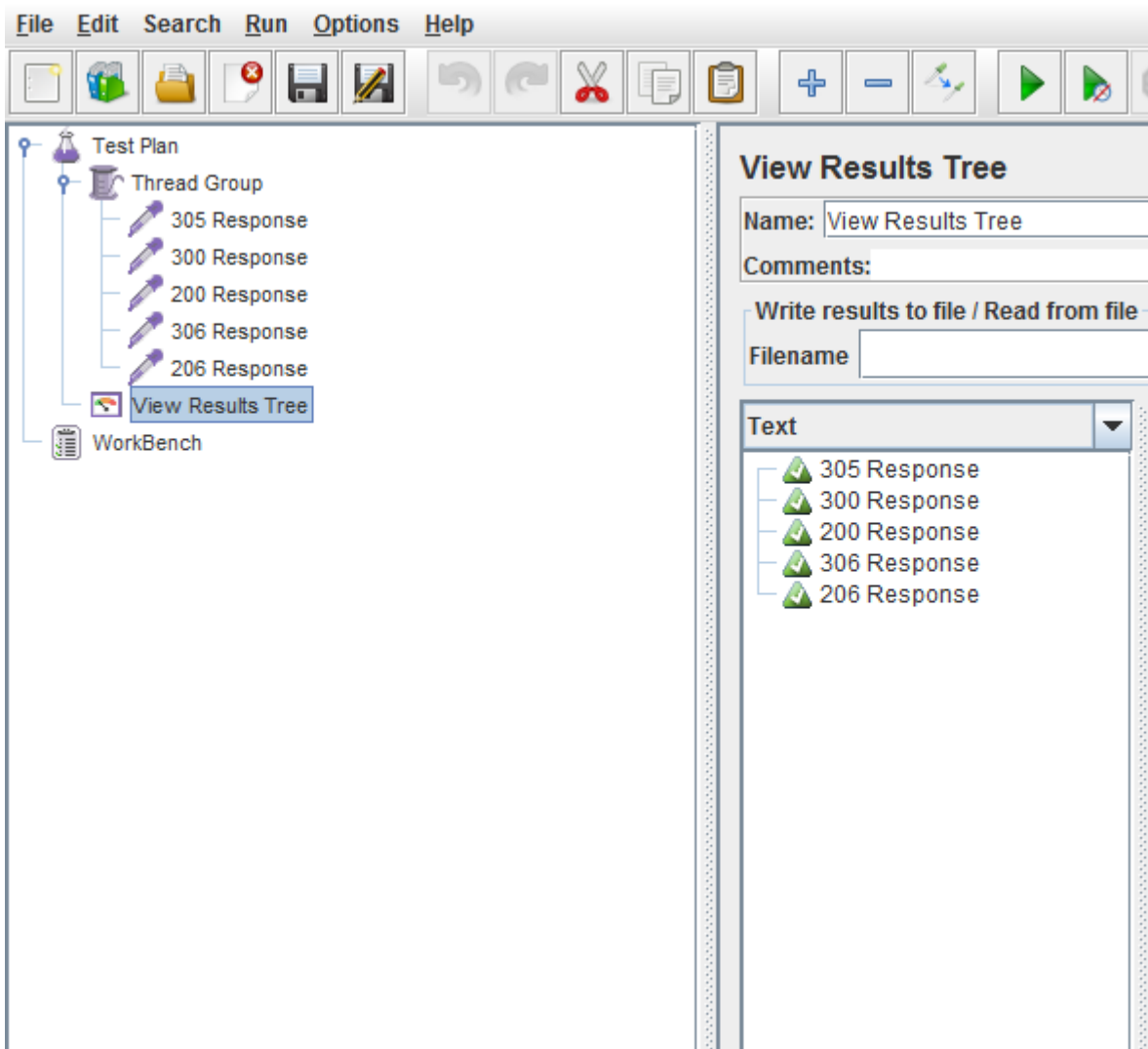


Data Enabling in JMeter

We will follow the below steps to Data enable the JMeter script and run it successfully in AIQ.

1. Create a JMeter script that works fine in JMeter and run the same in AIQ to make sure that the script is working fine. The screenshot of the working script is given below



As from the above example, there are multiple websites that are used in the script. We can store all the above websites in a CSV sheet and have JMeter access the websites from the CSV sheet. The next step would be to data enable the JMeter script and make sure it runs fine.

2. The next step would be to remove all the individual websites and store that in a CSV sheet and create a single HTTP request and have it access the website from the CSV. Please follow the below steps

Create a CSV sheet with "Sites" as the column name and all the website details below it as shown below

```
Sites
httpstat.us/200
httpstat.us/306
httpstat.us/206
httpstat.us/306
httpstat.us/206
httpstat.us/306
httpstat.us/206
```

Add a CSV Data set config and enter the following details

Right-click the thread group - Select Add - Select Config element - Select CSV Data Set Config.

Note: Please make sure to use the data.csv file in the same location as the .jmx project and also CSV Data Set Config should be available on top of HTTP Request.

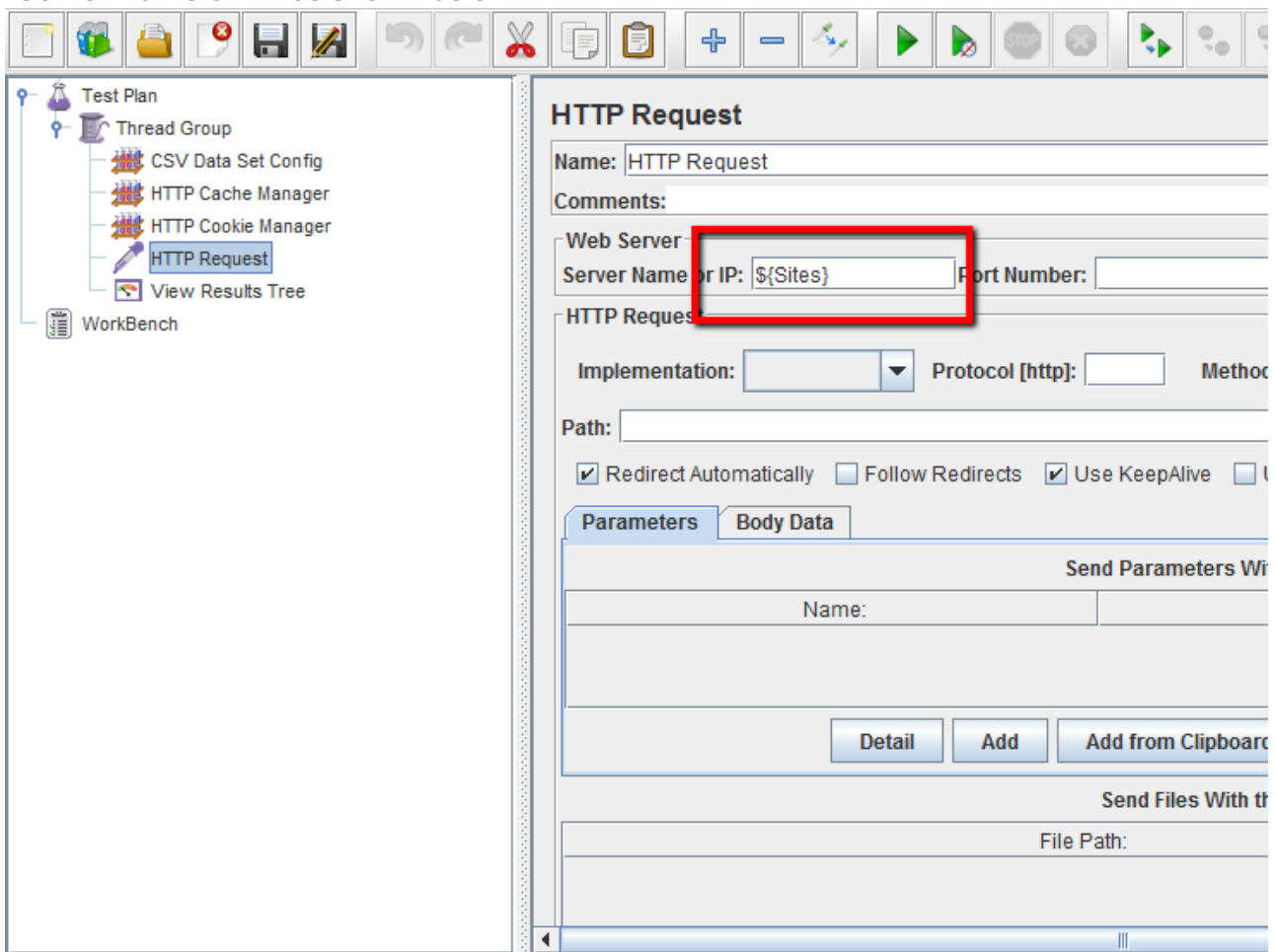
Filename: Enter the name of the file

File encoding: Should be left blank

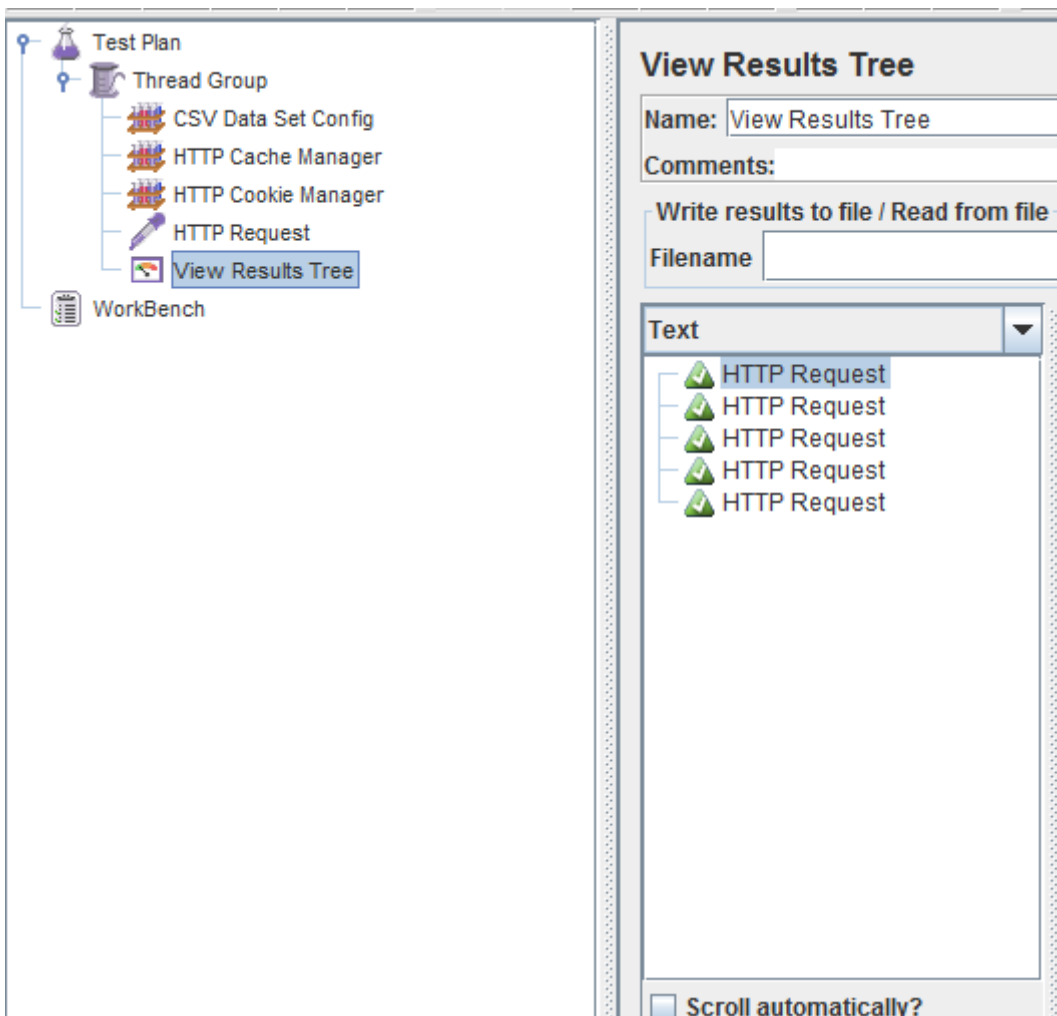
Variable Names: Should be left blank, If given data will be picked from the first column and the first entry in the CSV "Sites" will be picked and the script will fail

Delimiter: Comma

Add a new HTTP Request Sampler and Use the column name of the CSV sheet in the "Server Name or IP" as shown below



Once the above setting is done the script is data enabled successfully. Run the script and check in the results tree

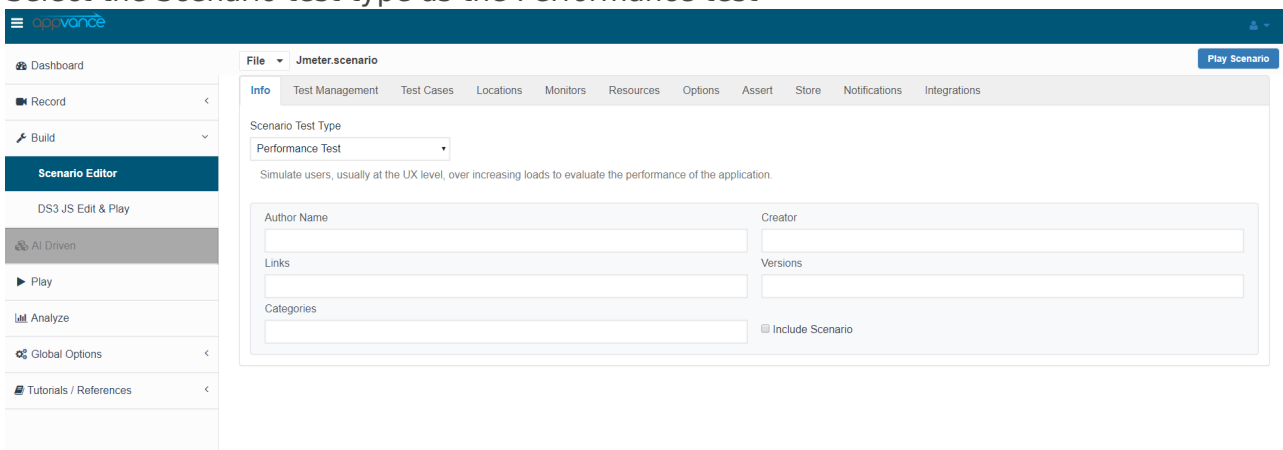


All the values from the CSV have been picked successfully.

- Run the Same script in AIQ. Steps are given below

Login to AIQ and click Build and Click File→New

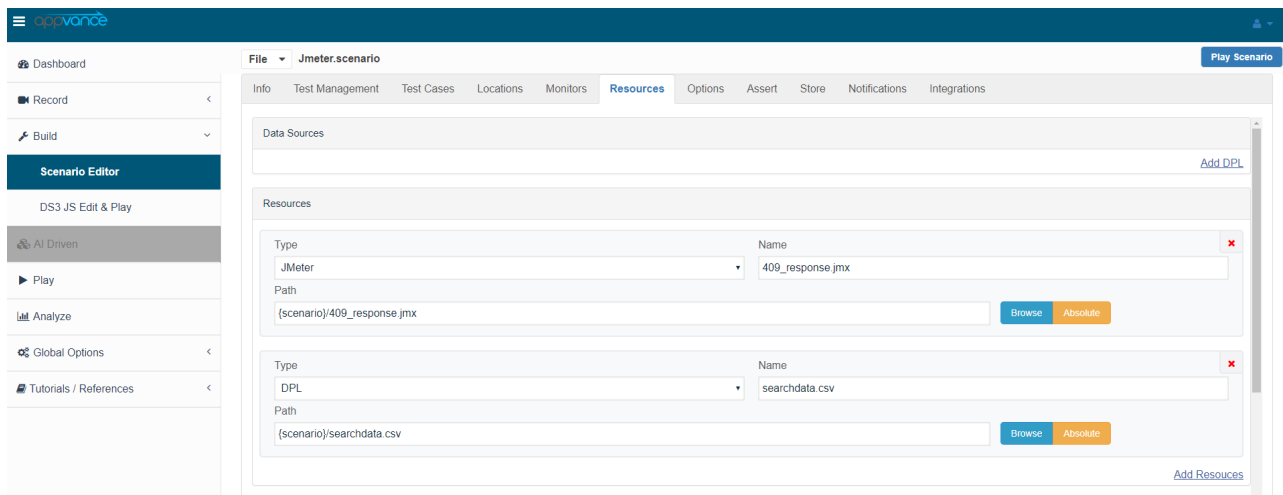
Select the Scenario test type as the Performance test



Select the completion criteria as "Executions per user"

Go to the Test cases tab and click "Edit" browse the JMeter script and select the JMeter file

Go to Resources Click "Add Data Source" and browse the CSV file



Save the scenario and run the test.

Check the controller page and verify if the data is getting pulled from the CSV

New-Scenario1.scenario
Wed Oct 12 18:44:41 IST 2016 [Edit Scenario](#)

Status	Execution done	Iteration	Succeeded	Failed
Success	Testcase1	3220	localhost	
Success	Testcase1	3223	localhost	
Success	Testcase1	3225	localhost	
Success	Testcase1	3230	localhost	
Success	Testcase1	3220	localhost	

[Play Scenario](#)

Test case(s) Executions

Testnode

Active Virtual Users

Output

Creating summariser <summary>
Created the tree successfully using F:\Appvance_SVN\UTP_Release3.0\utp_distribution\TestNode\SCENARIO\ofscou4rbvfh9fcoktnvur4zc
Starting the test @ Wed Oct 12 18:44:57 IST 2016 (1476278097243)

Output **Error** **Request & Response** **Snapshots**

eserving Sites_jmeter.csv
line read:httpstat.us/206

For Appvance IQ Reporting purposes, instead of reporting different values of a data-enabled script that causes duplicate entries, the parametrized step can be displayed as a variable name that way it does not show them as different steps instead it shows as a summary of those steps just like Appvance IQ designer enabled scripts, below are the steps for the same:

The usage recommendation for dynamic parameters on how to add parameters so the Appvance IQ report will report the variable and not the different values. Basically, you have the URL's path and a parameters section. You should not put the query part in the path if you want to get a proper report using variable in Appvance IQ. The URL query parameters should go in the parameter section, for both POST and GET requests.

Test Plan

Thread Group

HTTP Request

View Results Tree

WorkBench

HTTP Request

Name: HTTP Request

Comments:

Web Server

Server Name or IP: localhost

Port Number: 8080

Response:

HTTP Request

Implementation: HttpClient4

Protocol [http]: http

Method: GET

Content encoding:

Path: /AppvanceServices/rest/basic/echo

☐ Redirect Automatically

☒ Follow Redirects

☒ Use KeepAlive

☐ Use multipart/form-data for POST

☐ Browser-compatible headers

Parameters

Body

Data

Files Upload

Send Parameters With the Request:

param	Name:	Value	Encode?	Include
		\${myVariable}	☐	☒

Detail

Add

Add from Clipboard

Delete

Up

Down

Proxy Server

Server Name or IP:

Port Number:

Username

Password

For reporting summaries in UTP using the Variable Name of a request parameter (instead of its value), the parameter must be defined using the Parameters section of the Http Request Sampler as seen here.

Common error is to use the Path input to put the full request

You can notice in the below reporting, it displays as one step else this would have been displayed as 4 different steps with 4 different values taken from the datasheet.

E28	http://localhost:8080/AppvanceServices/rest/basic/echo?param=\${myVariable}																											
1	Scenario:	parametercheck.scenario																										
2	Author:	Not specified																										
3																												
4																												
5	Duration	25 s																										
6	Start Time	Tue Jan 09 12:23:27 IST 2018																										
7	End Time	Tue Jan 09 12:23:51 IST 2018																										
8	Total User	2																										
9	Total Hits	4																										
10	Total Thro	0.76 KB																										
11	Average H	0.16 KHz/s																										
12	Average T	0.03 KB/s																										
13	Consumed	0.25 kbps																										
14	Testcases	4																										
15	Testcases	0																										
16	Testcases	0																										
17	Step passe	4																										
18	Step failed	0																										
19	Step error	0																										
20	All durations and sizes are for successes only																											
21																												
22																												
23	Testcase n	Total User	Active Use	Step name	Request name																							
24	Testcase1	2	2																									
25				1) Untitled1																								
26				1.1) Thread Group																								
27				1.1.1) HTTP Request																								
28				http://localhost:8080/AppvanceServices/rest/basic/echo?param=\${myVariable}																								
29																												
30																												
31																												
32																												
33																												

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If you have any feedback on this topic, please contact us at documentation@appvance.ai

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