

 **BlazeMeter** APACHE
JMeterTM

Blazemeter
and
Jmeter

HOA LE

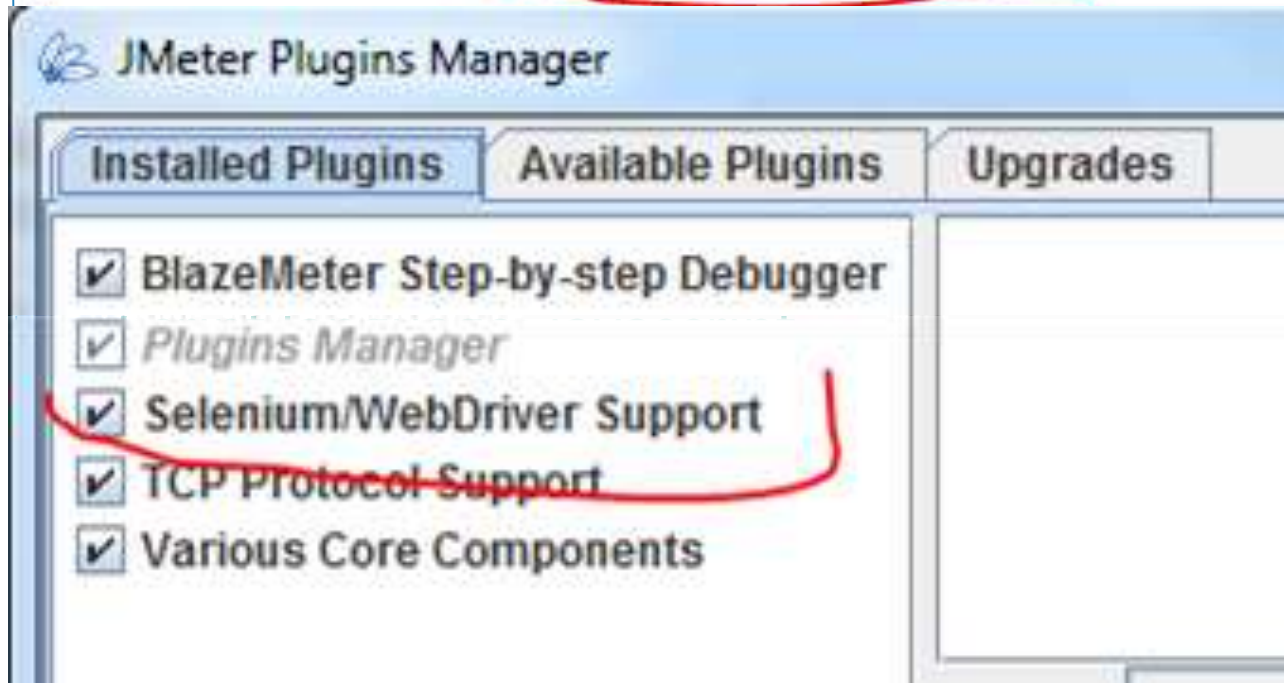
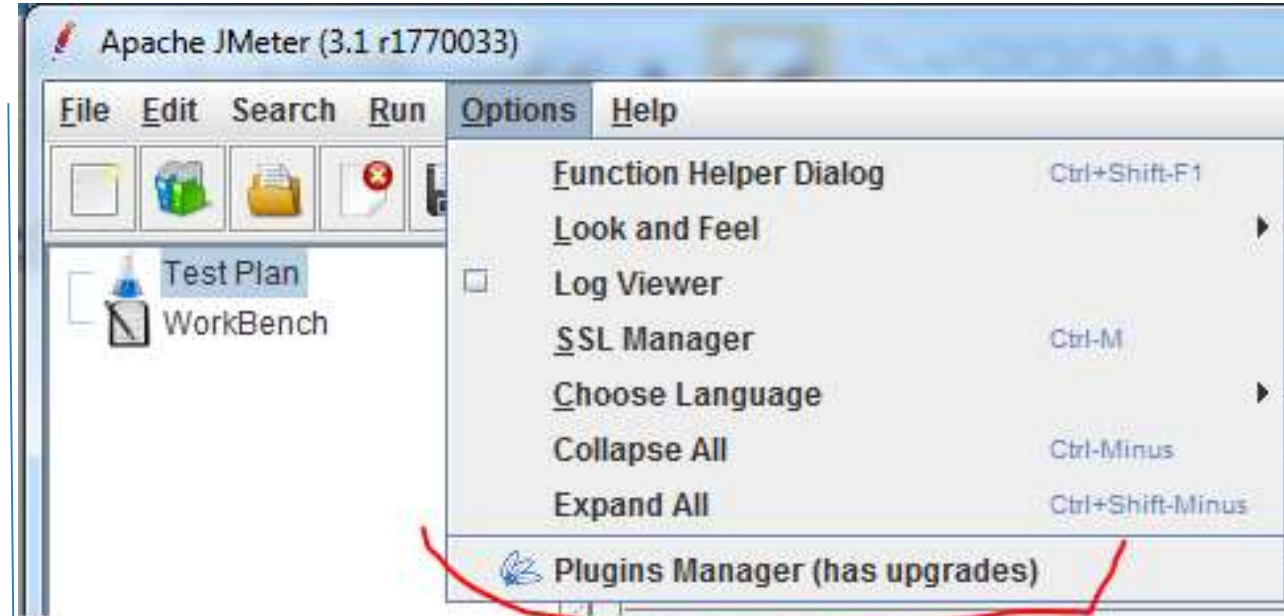


AGENDA

- Reasons For Combine Blazemter And Jmeter
- Introduce Jmeter 3.1 Tool
- Introduce Blazemeter Tool
- How To Run Jmeter Script In Blazemeter



- Open Source tool
- Download Jmeter from the official Apache Jmeter website
- Need to have JRE 1.8 to run Jmeter since it's written in pure java
- Unzip apache-jmeter-3.1
- Add [selenium-chrome-driver-2.52.0.jar, selenium-firefox-driver-2.52.0.jar, selenium-ie-driver-2.52.0.jar] into apache-jmeter-3.1\lib



- Require adding a path to the Chrome Driver in the scripts chrome driver configuration

jp@gc - Chrome Driver Config

Name: jp@gc - Chrome Driver Config

Comments:

[Help on this plugin](#)

v1.4.0


Proxy Chrome Experimental


Path to Chrome Driver ..\chromedriver.exe

☐ Use Chrome on Android

- Don't need to sampleStart() and sampleEnd() in the sample script

- New 'Sent Bytes' KPI is supported

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	
1	07:00:00.000	Thread Group 1-1	Login_HRM_Log...	0		

us	Bytes	Sent Bytes	Latency	Connect Time(ms)
	67305	0	0	0

▪Example: compose Jmeter Script (javascript)

WebDriver classes

```
var pkg = JavaImporter(org.openqa.selenium,  
org.openqa.selenium.support.ui)
```

Parameter for test data

```
user = "${user}"  
pass = "${pass}"
```

WDS.browser methods

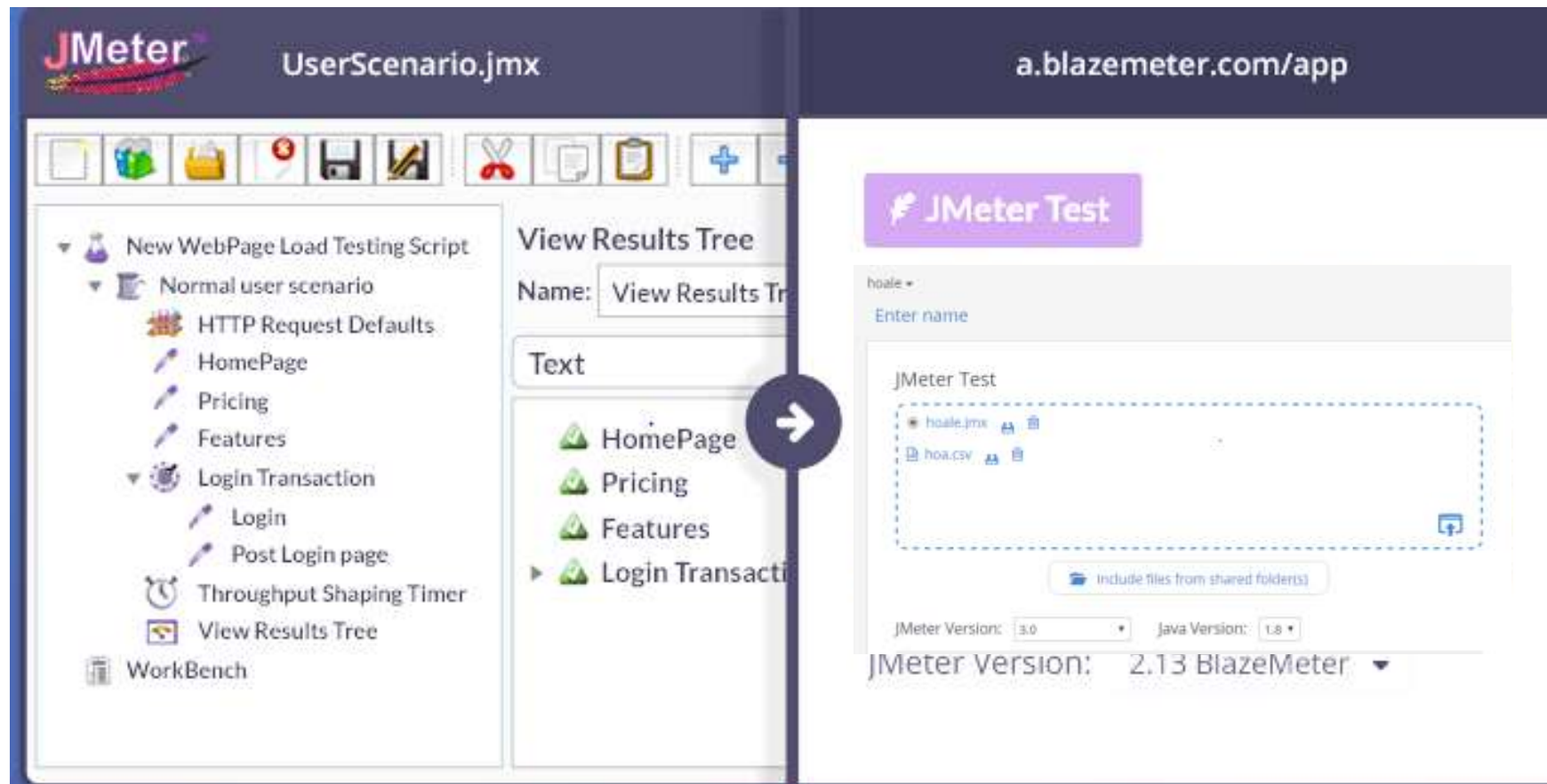
```
WDS.browser.get('http://example.com')  
wait.until(conditions.presenceOfElementLocated(pkg.By  
.linkText('More information...')))  
var  
element=WDS.browser.findElement(pkg.By.linkText("More  
information..."))  
element.click()
```



Demo and Report

Scenario Name		Start Time		End Time				Reason				
Scenario #1: xxxxxxxx												
Performance test result												
Performance Test				Reports								
#	Scenario Name	Total users	Time (duration)	Date	No.of session		60th Percentile response Time	70th Percentile response Time	80th Percentile response Time	90th Percentile response Time	Avg Response Time	Failed Session %
					Success	Failure						
1	Scenario #1: xxxx	xxx	xxx									
Note: Issues: xxx												

- Open Source tool
- Compatible with Apache Jmeter
- Can upload .jmx file, Groovy.jar, *.csv file, User.Properties
- Choose specific versions of Jmeter for replay



Annual - Save up to 35%

Month-to-Month



FREE

50 Concurrent Users
10 Tests
1 Shared Load Generator

[Start Testing Now](#)



Basic

\$99_{/mo}

1,000 Concurrent Users
200 Tests/Year
1 Load Generator

[Upgrade to Basic](#)

Most Popular



Pro

\$499_{/mo}

3,000 Concurrent Users
250 Tests/Year
5 Load Generators

[Upgrade to Pro](#)



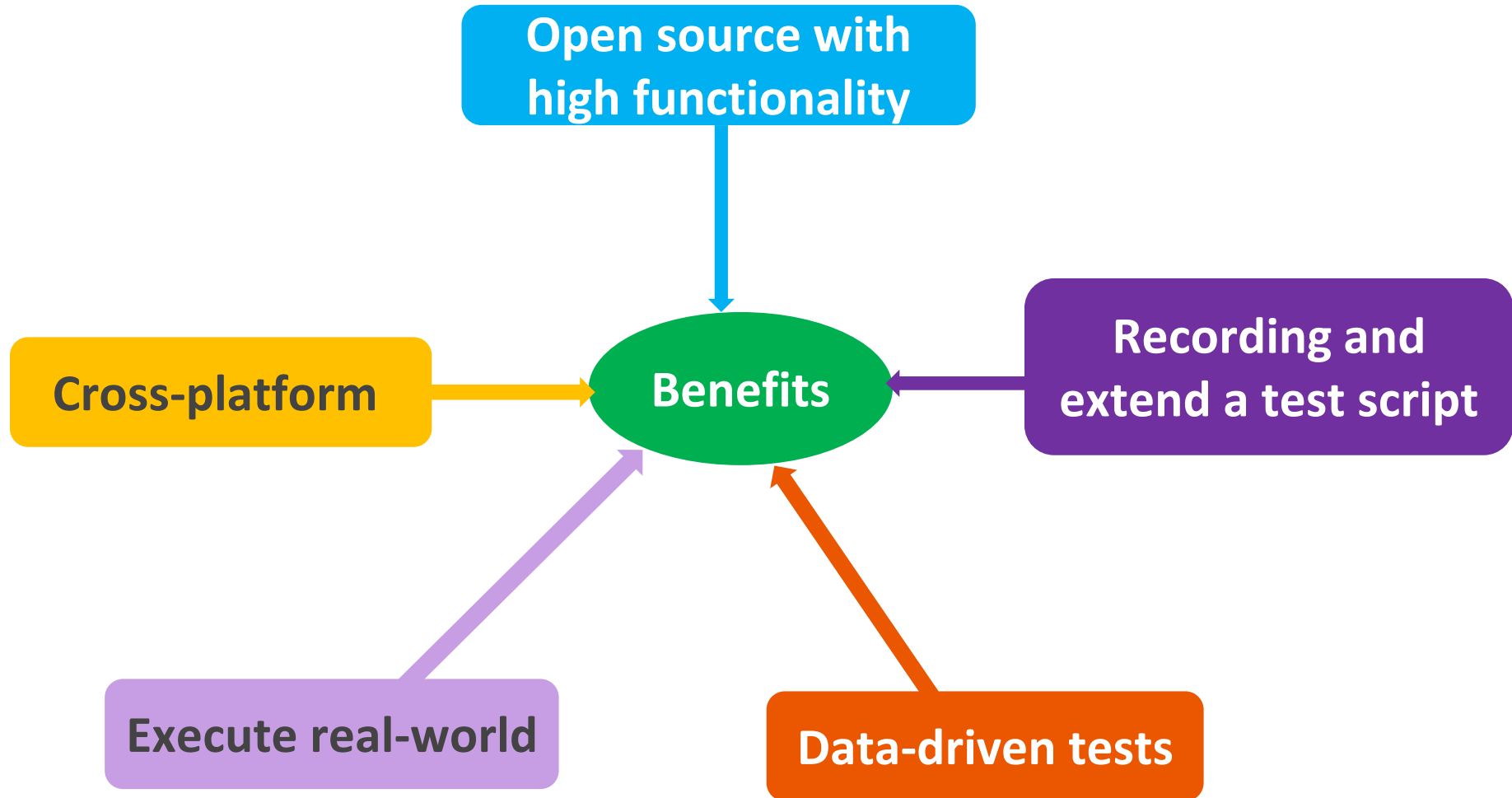
Enterprise

+1.855.445.2285

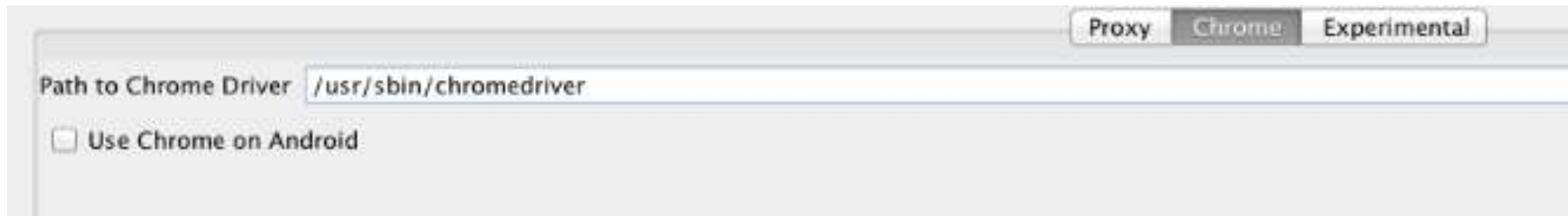
As Many Concurrent Users as You Need
As Many Tests as You Need
Scripting Support
Enhanced Support SLA

[Schedule a Demo](#)

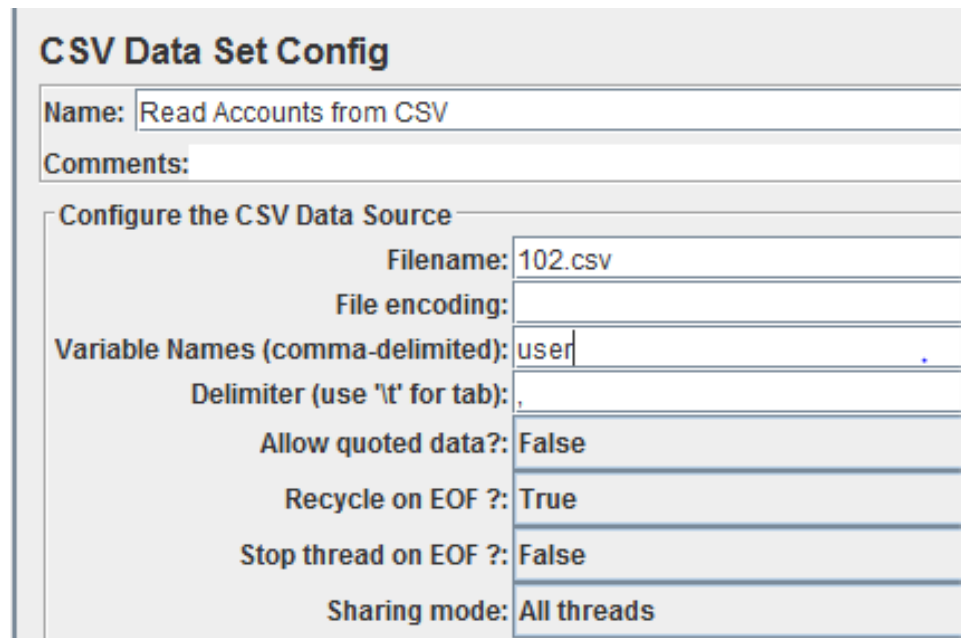




- Following guide of configuration for configuration driver, when launching the WebDriver sampler test in the cloud, two kinds of browser supported such as: FireFox and Chrome.
- Require adding a path to the Chrome Driver in the scripts chrome driver configuration



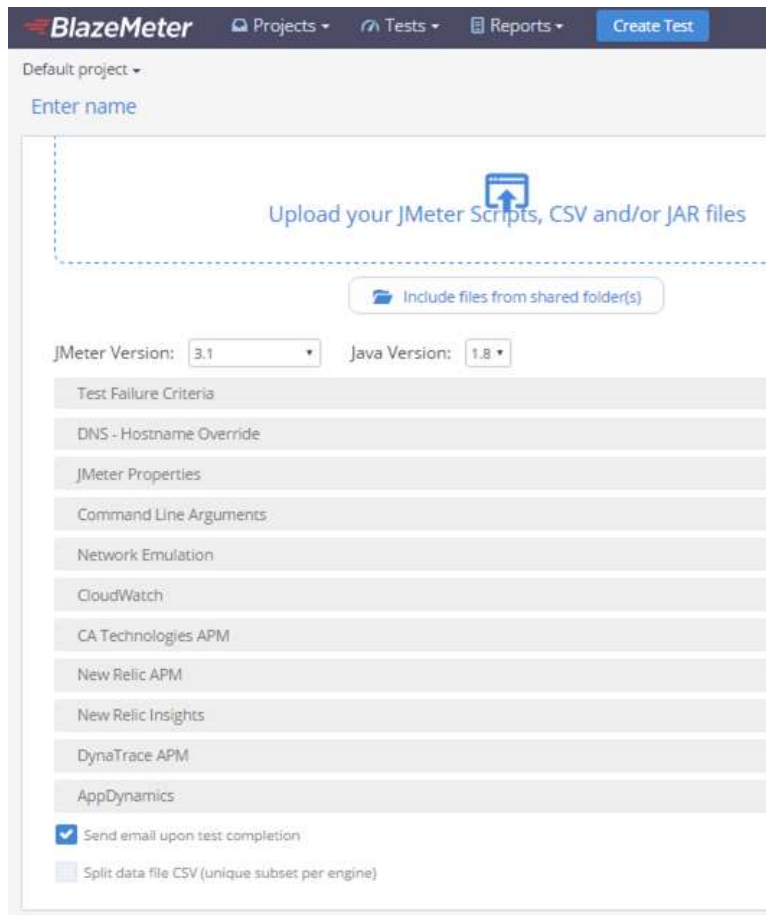
- Must have sampleStart() and sampleEnd() in the sample script
- We can set CSV file Upload and Split data file CSV in guide of Blazemeter



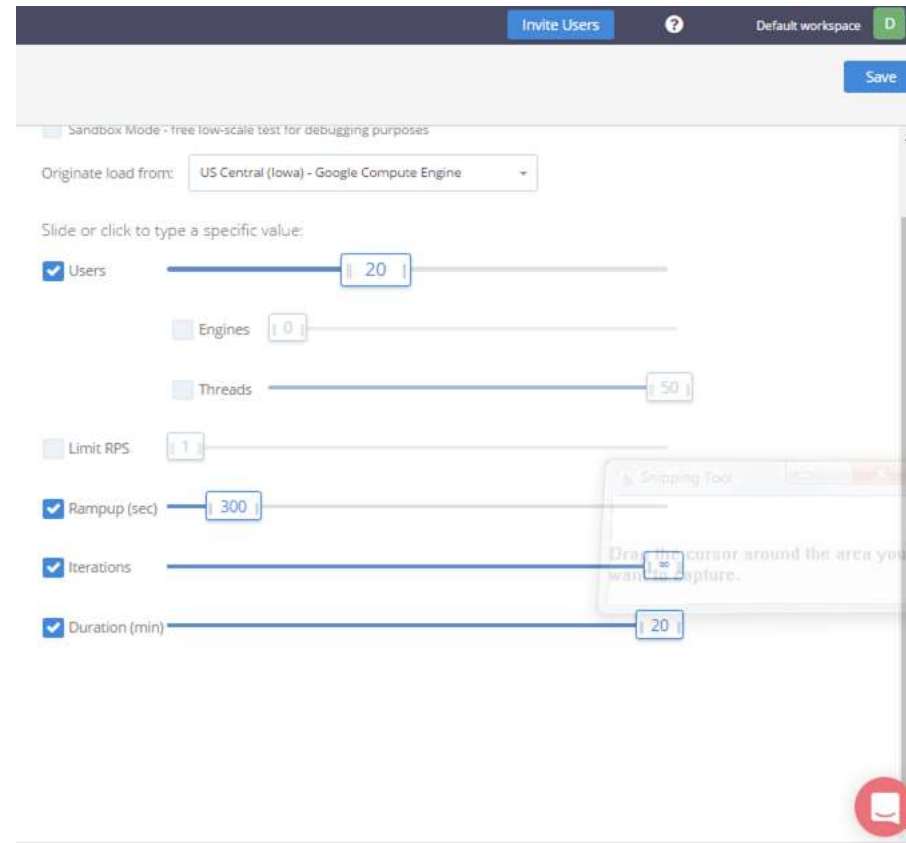
- Clicking on [Upload your Jmeter Scripts, CSV and/or JAR files after that upload .jmx file and data file.

Set your test configuration to:

- Number of threads: 500
- Ramp-up: 2400 seconds
- Iteration: forever
- Duration: 50 minutes
- Use 1 load generator (engine).



The 'Create Test' interface shows a 'Default project' dropdown and an 'Enter name' field. Below is a large dashed box with an upload icon and the text 'Upload your JMeter Scripts, CSV and/or JAR files'. A button 'Include files from shared folder(s)' is present. Underneath, there are dropdowns for 'JMeter Version: 3.1' and 'Java Version: 1.8'. A list of integrations includes 'Test Failure Criteria', 'DNS - Hostname Override', 'JMeter Properties', 'Command Line Arguments', 'Network Emulation', 'CloudWatch', 'CA Technologies APM', 'New Relic APM', 'New Relic Insights', 'DynaTrace APM', and 'AppDynamics'. At the bottom, there are checkboxes for 'Send email upon test completion' (checked) and 'Split data file CSV (unique subset per engine)' (unchecked).

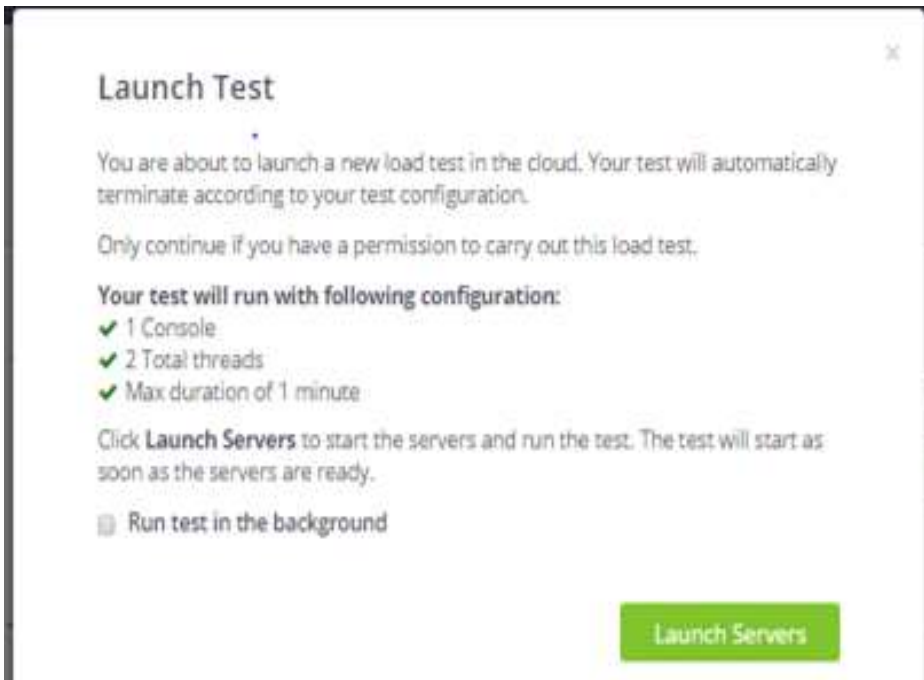


The test configuration interface shows a 'Sandbox Mode' checkbox (unchecked) and a dropdown for 'Originate load from: US Central (Iowa) - Google Compute Engine'. Below is a section 'Slide or click to type a specific value:' with sliders for 'Users' (set to 20), 'Engines' (set to 0), 'Threads' (set to 50), and 'Limit RPS' (set to 1). There are checkboxes for 'Rampup (sec)' (checked, set to 300), 'Iterations' (checked), and 'Duration (min)' (checked, set to 20). A 'Save' button is in the top right. A 'Shipping Tool' tooltip is visible over the 'Iterations' slider.

- Clicking on [Start Test] button



- Clicking on [Launch Servers] button



- Starting test to run the script





Demo and Result

Default project ▾
HRM_hoatble

Accessibility
Compare
Executive Summary
Share
Refresh
Delete

▶ HRM_hoatble

Summary
Timeline Report
Load Report
Request Stats
Engine Health
Errors
Logs
Original Test Configuration

1 VU
Max Users

0.06 Hits/s
Avg. Throughput

0 %
Errors

15.09 s
Avg. Response Time

15.18 s
90% Response Time

1.28 KiB
Avg. Bandwidth

⌚ Duration: 5 minutes
▶ Started: Mar 07, 2017, 6:04:33 AM
■ Ended: Mar 07, 2017, 6:10:56 AM

📍 Test Type: Jmeter
📍 Locations: US Central (Iowa, Google)
🕒 Response Codes: 2xx

📝 Notes: Save Note
Enter report notes...



References

JMeter

<http://jmeter.apache.org/>

BlazeMeter:

<https://www.blazemeter.com/>