Performance Testing using Jmeter

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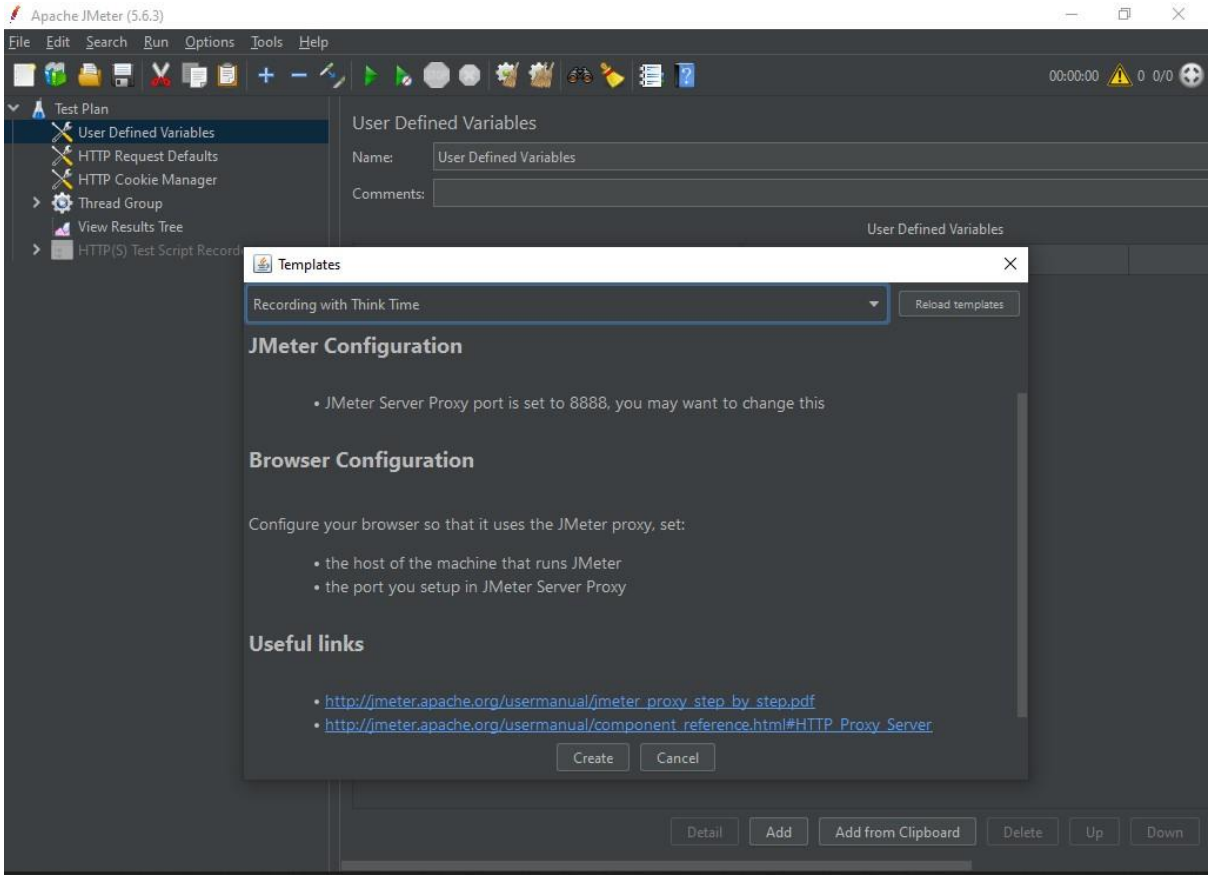
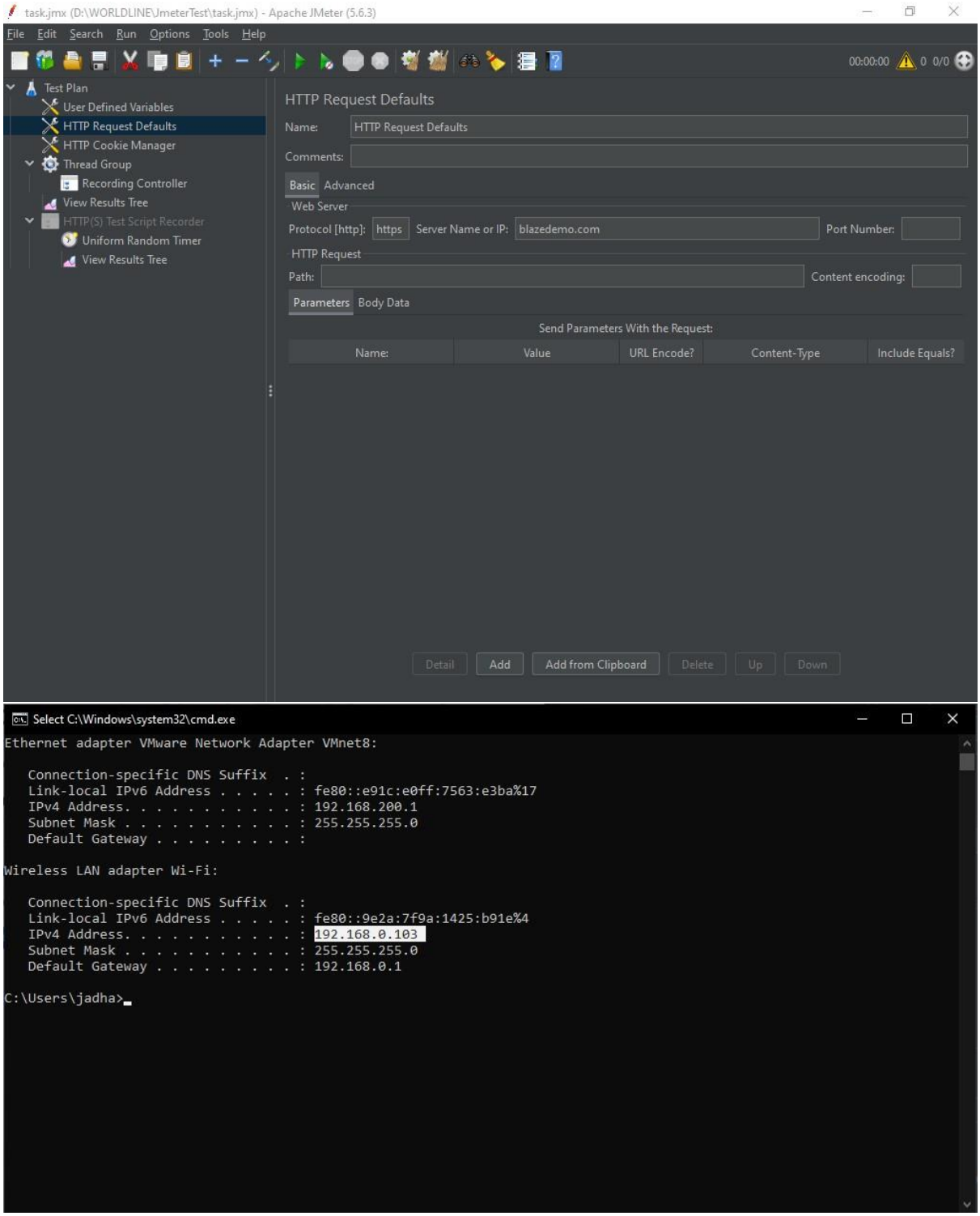
Name :- Swapnil Jadhav

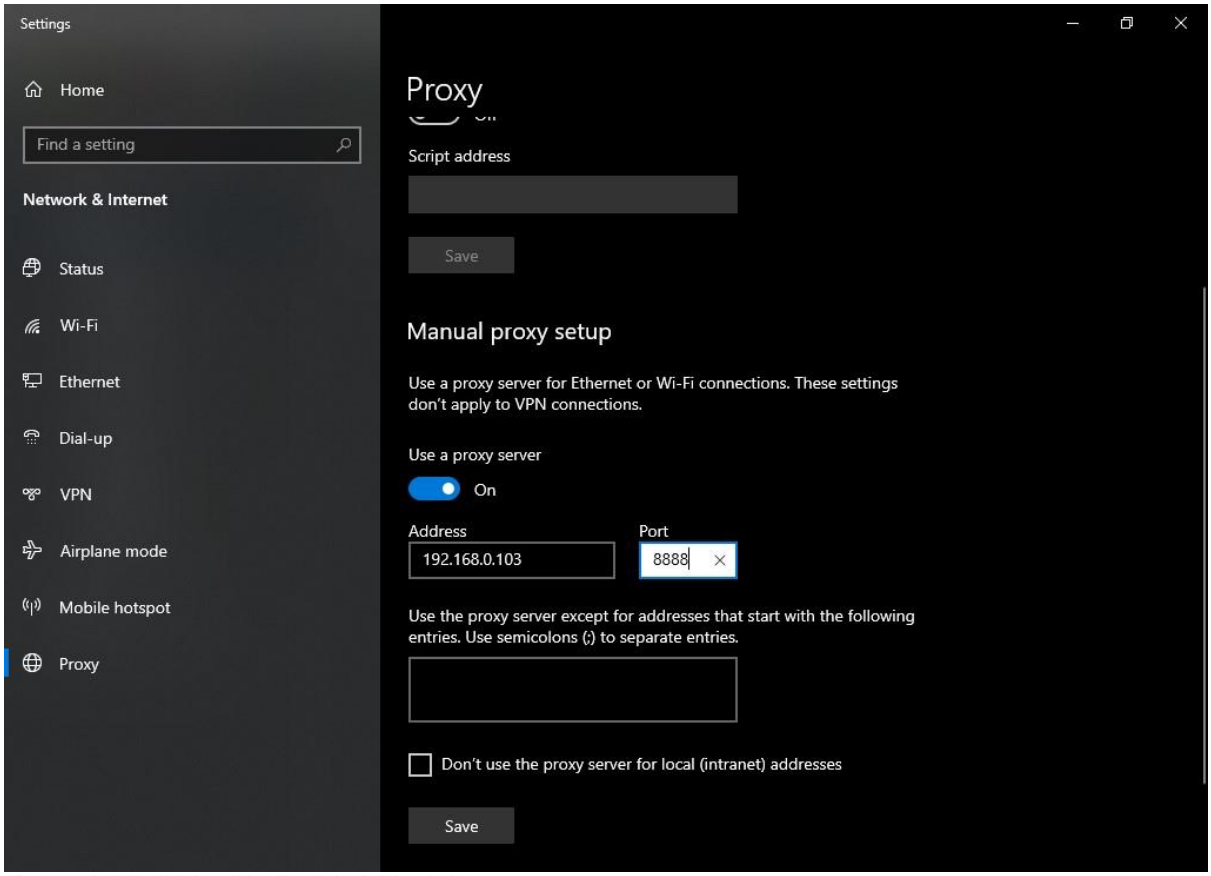
Task :- Install Jmeter and do performance testing. Document the screenshots and submit it.

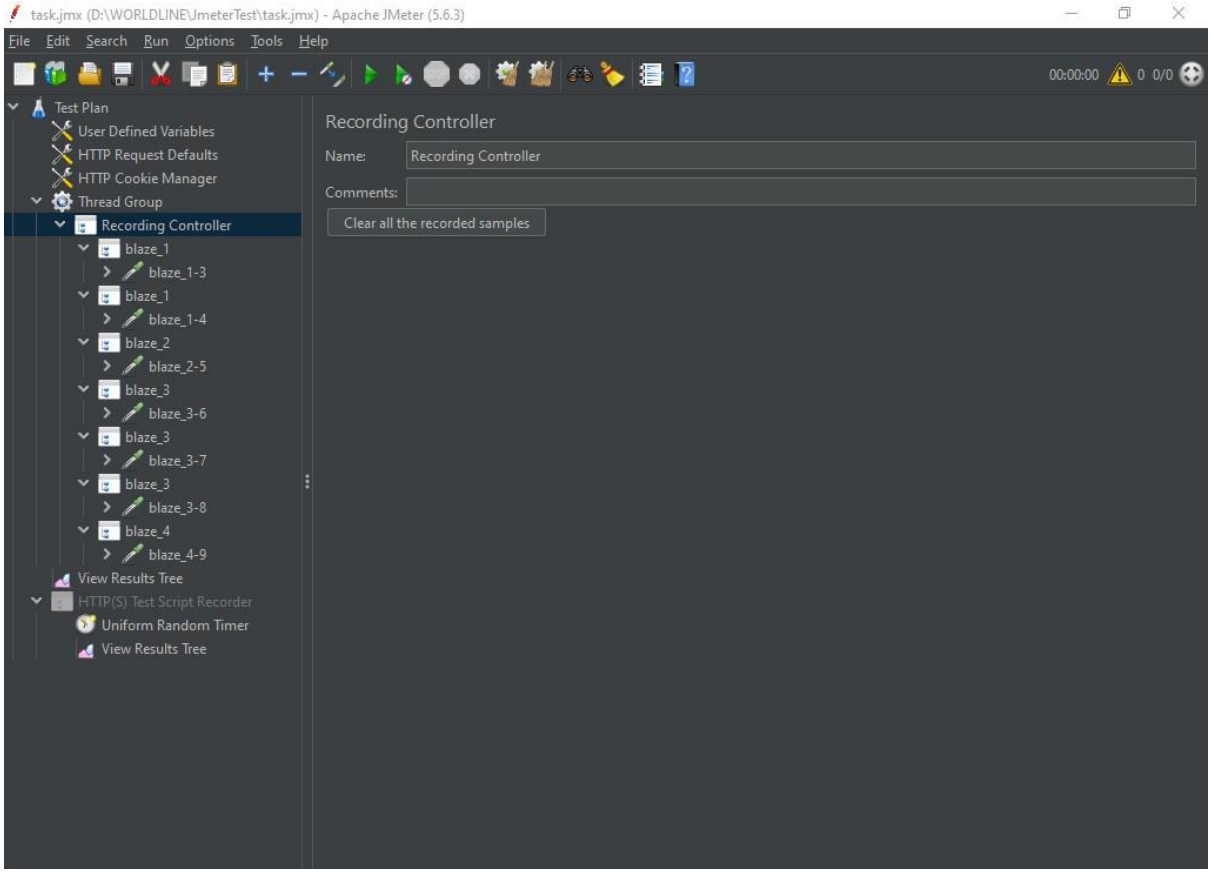
GitHub link :- https://github.com/Creative2709/Task-Jmeter.git

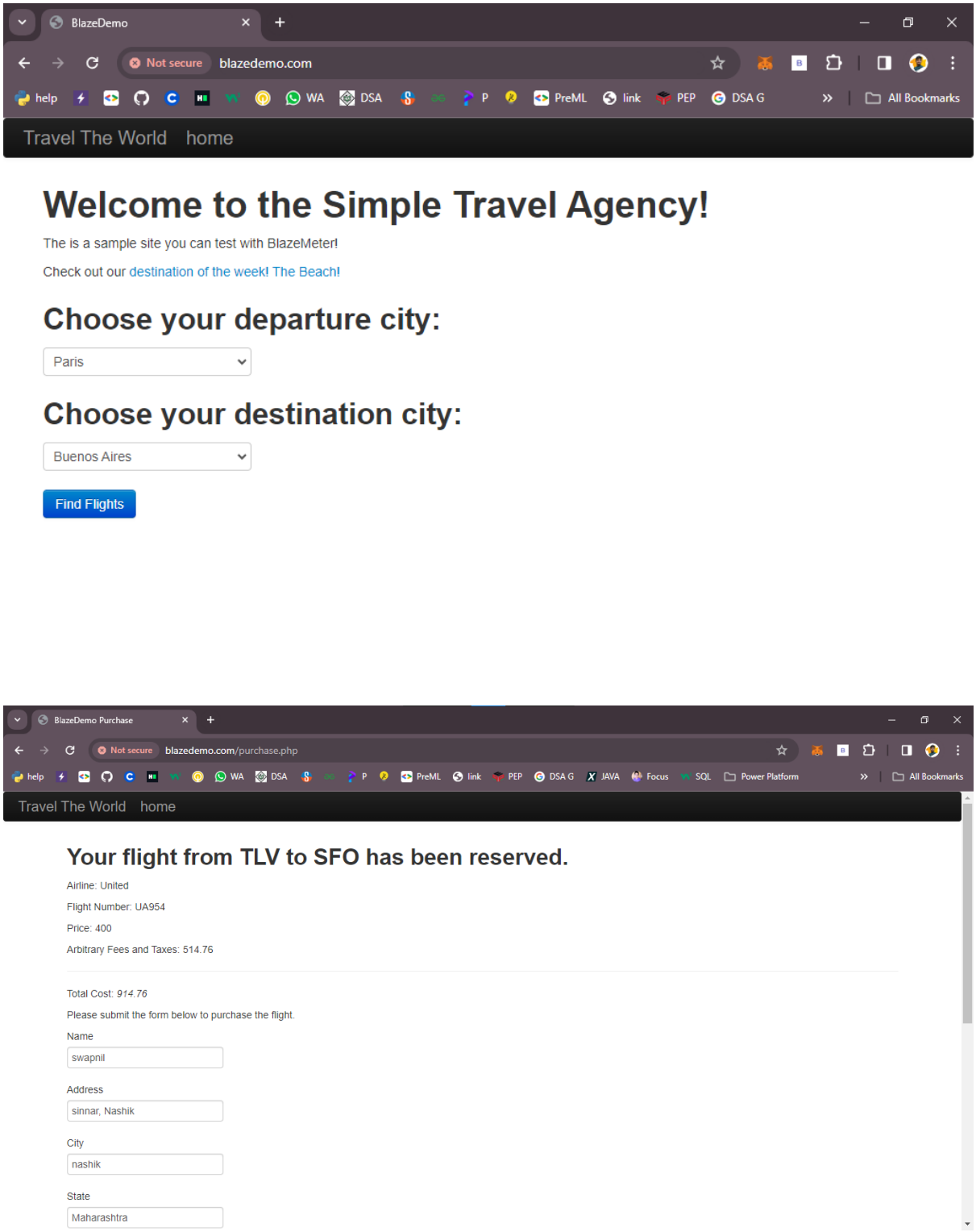
Screenshots :-



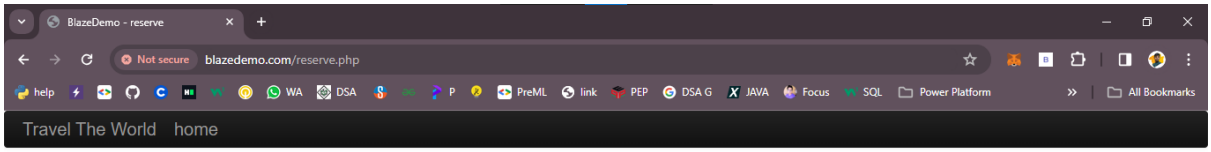

task.jmx (D:\WORLDLINE\UmeterTest\task.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:00 0 0/0
Test Plan
User Defined Variables
HTTP Request Defaults
HTTP Cookie Manager
Thread Group
Recording Controller
View Results Tree
HTTP(S) Test Script Recorder
Uniform Random Timer
View Results Tree
HTTP Request Defaults
Name: HTTP Request Defaults
Comments:
Basic Advanced
Web Server
Protocol [http]: https Server Name or IP: blazedemo.com Port Number:
HTTP Request
Path: Content encoding:
Parameters Body Data
Send Parameters With the Request:
Name: Value URL Encode? Content-Type Include Equals?
Detail Add Add from Clipboard Delete Up Down
Select C:\Windows\system32\cmd.exe
Ethernet adapter VMware Network Adapter VMnet8:
Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::e91c:e0ff:7563:e3ba%17
IPv4 Address. . . . . : 192.168.200.1
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
Wireless LAN adapter Wi-Fi:
Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::9e2a:7f9a:1425:b91e%4
IPv4 Address. . . . . : 192.168.0.103
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.0.1
C:\Users\jadha>


Settings
Home
Find a setting
Network & Internet
Status
Wi-Fi
Ethernet
Dial-up
VPN
Airplane mode
Mobile hotspot
Proxy
Proxy
Script address
Save
Manual proxy setup
Use a proxy server for Ethernet or Wi-Fi connections. These settings don't apply to VPN connections.
Use a proxy server
On
Address
192.168.0.103
Port
8888
Use the proxy server except for addresses that start with the following entries. Use semicolons (;) to separate entries.
Don't use the proxy server for local (intranet) addresses
Save


task.jmx (D:\WORLDLINE\JmeterTest\task.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:00 0 0/0
Test Plan
User Defined Variables
HTTP Request Defaults
HTTP Cookie Manager
Thread Group
Recording Controller
blaze_1
blaze_1-3
blaze_1
blaze_1-4
blaze_2
blaze_2-5
blaze_3
blaze_3-6
blaze_3
blaze_3-7
blaze_3
blaze_3-8
blaze_4
blaze_4-9
View Results Tree
HTTP(S) Test Script Recorder
Uniform Random Timer
View Results Tree
Recording Controller
Name: Recording Controller
Comments:
Clear all the recorded samples

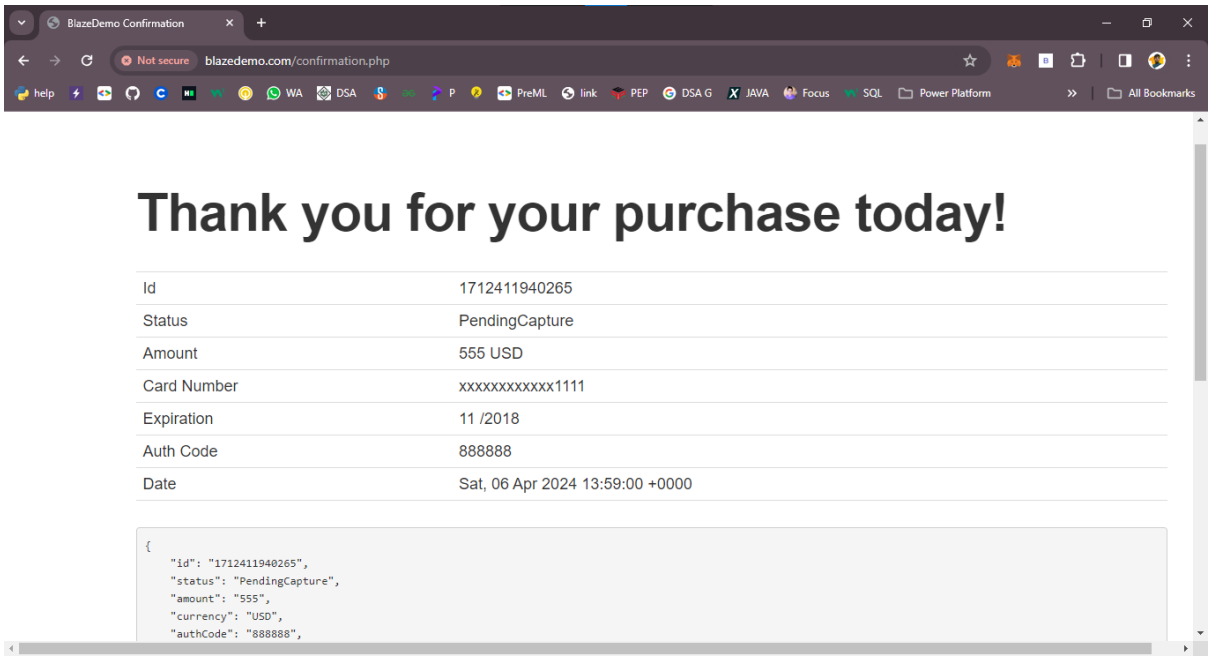

BlazeDemo
Not secure
blazedemo.com
Travel The World
home
Welcome to the Simple Travel Agency!
The is a sample site you can test with BlazeMeter!
Check out our destination of the week! The Beach!
Choose your departure city:
Paris
Choose your destination city:
Buenos Aires
Find Flights

BlazeDemo Purchase
Not secure
blazedemo.com/purchase.php
Travel The World
home
Your flight from TLV to SFO has been reserved.
Airline: United
Flight Number: UA954
Price: 400
Arbitrary Fees and Taxes: 514.76
Total Cost: 914.76
Please submit the form below to purchase the flight.
Name
swapnil
Address
sinnar, Nashik
City
nashik
State
Maharashtra



Flights from Paris to Buenos Aires:

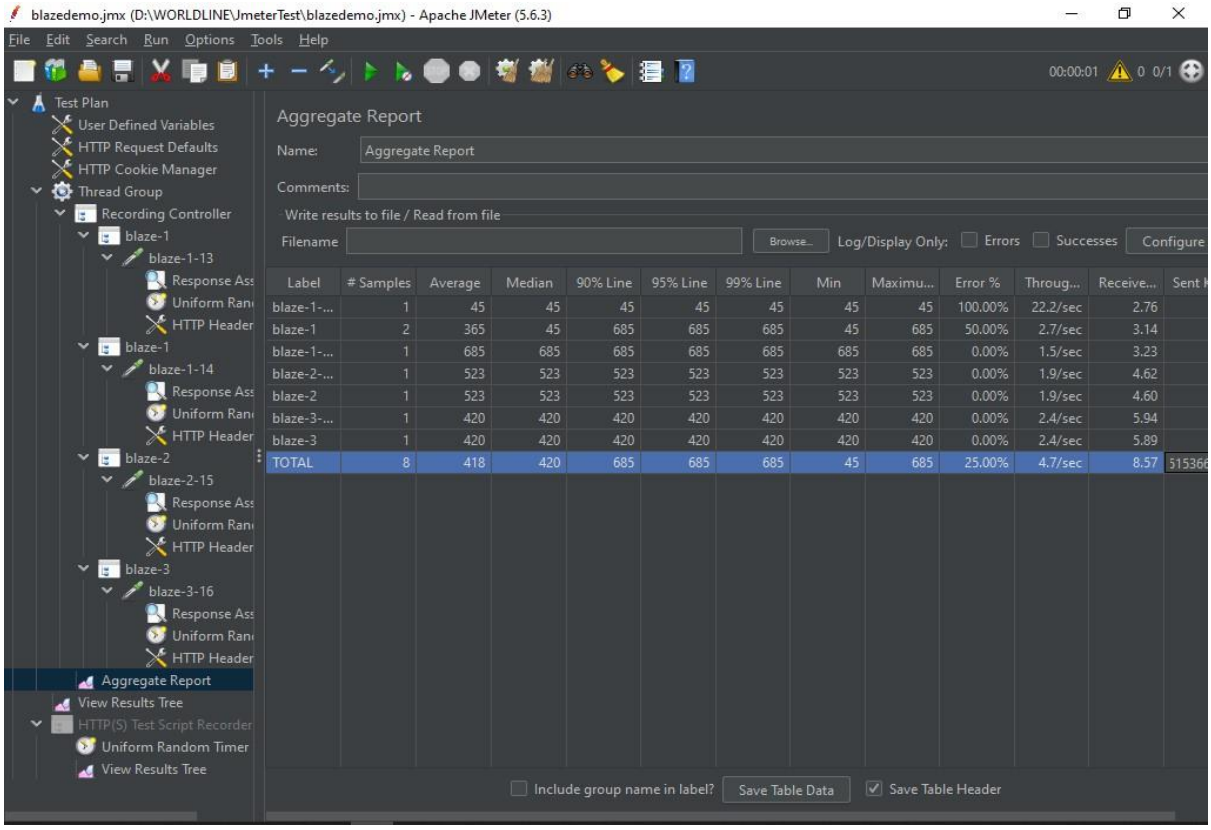
Choose	Flight #	Airline	Departs: Paris	Arrives: Buenos Aires	Price
Choose This Flight	43	Virgin America	1:43 AM	9:45 PM	$472.56
Choose This Flight	234	United Airlines	7:43 AM	10:45 PM	$432.98
Choose This Flight	9696	Aer Lingus	5:27 AM	8:22 PM	$200.98
Choose This Flight	12	Virgin America	11:23 AM	1:45 PM	$765.32
Choose This Flight	4346	Lufthansa	1:45 AM	8:34 PM	$233.98



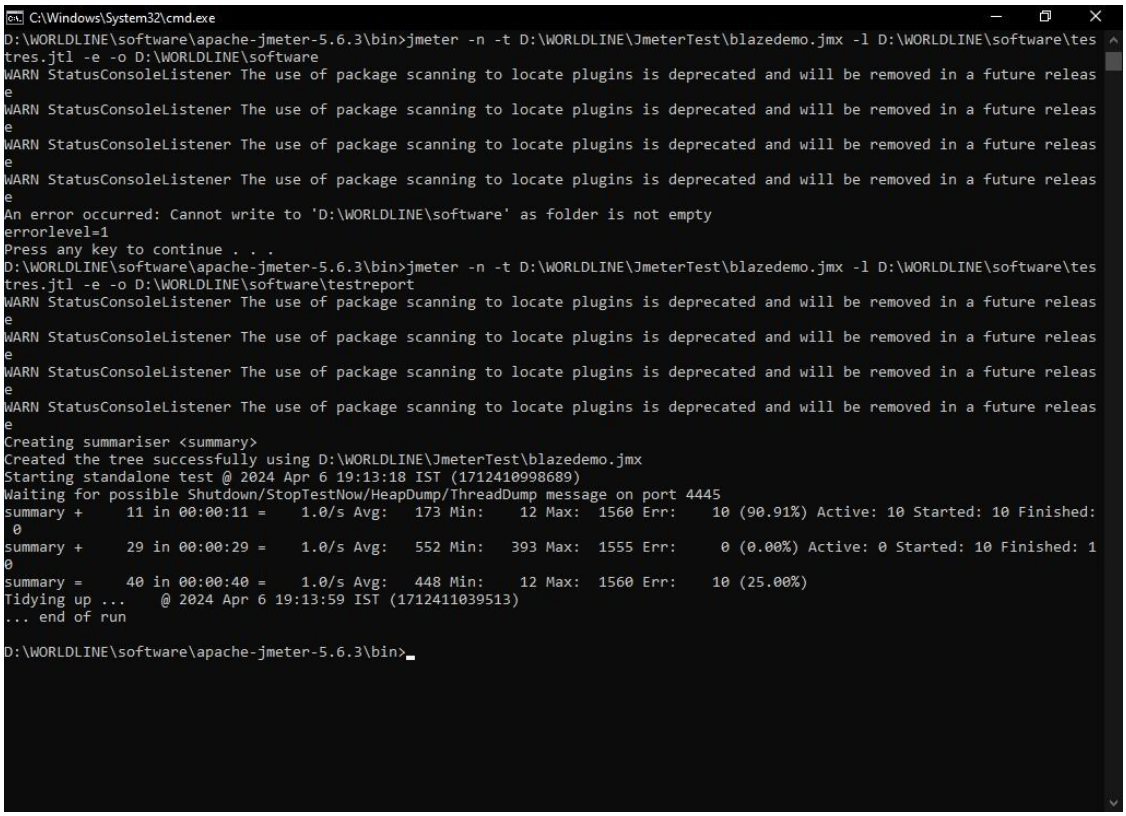
Thank you for your purchase today!

Id	1712411940265
Status	PendingCapture
Amount	555 USD
Card Number	xxxxxxxxxxxx1111
Expiration	11 /2018
Auth Code	888888
Date	Sat, 06 Apr 2024 13:59:00 +0000


```
{
    "id": "1712411940265",
    "status": "PendingCapture",
    "amount": "555",
    "currency": "USD",
    "authCode": "888888",
```


blazedemo.jmx (D:\WORLDLINE\JmeterTest\blazedemo.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:01 0 0/1
Test Plan
User Defined Variables
HTTP Request Defaults
HTTP Cookie Manager
Thread Group
Recording Controller
blaze-1
blaze-1-13
Response Ass
Uniform Ran
HTTP Header
blaze-1
blaze-1-14
Response Ass
Uniform Ran
HTTP Header
blaze-2
blaze-2-15
Response Ass
Uniform Ran
HTTP Header
blaze-3
blaze-3-16
Response Ass
Uniform Ran
HTTP Header
Aggregate Report
View Results Tree
HTTP(S) Test Script Recorder
Uniform Random Timer
View Results Tree
Aggregate Report
Name: Aggregate Report
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only: Errors Successes
Configure
Label # Samples Average Median 90% Line 95% Line 99% Line Min Maximu... Error % Throug... Receive... Sent K
blaze-1-... 1 45 45 45 45 45 45 45 100.00% 22.2/sec 2.76
blaze-1 2 365 45 685 685 685 45 685 50.00% 2.7/sec 3.14
blaze-1-... 1 685 685 685 685 685 685 685 0.00% 1.5/sec 3.23
blaze-2-... 1 523 523 523 523 523 523 523 0.00% 1.9/sec 4.62
blaze-2 1 523 523 523 523 523 523 523 0.00% 1.9/sec 4.60
blaze-3-... 1 420 420 420 420 420 420 420 0.00% 2.4/sec 5.94
blaze-3 1 420 420 420 420 420 420 420 0.00% 2.4/sec 5.89
TOTAL 8 418 420 685 685 685 45 685 25.00% 4.7/sec 8.57
Include group name in label?
Save Table Data
Save Table Header

USING COMMAND LINE :-



Apache JMeter Dashboard

File D:/WORLDLINE/software/testreport/index.html

Apache JMeter Dashboard

- Dashboard
- Charts
- Customs Graphs

Test and Report information

Source file	"testres.jtl"
Start Time	"4/6/24, 7:13 PM"
End Time	"4/6/24, 7:13 PM"
Filter for display	""

APDEX (Application Performance Index)

Apdex	T (Toleration threshold)	F (Frustration threshold)	Label
0.575	**500 ms**	**1 sec 500 ms**	**Total**
0.000	500 ms	1 sec 500 ms	blaze-1-13
0.200	500 ms	1 sec 500 ms	blaze-1
0.400	500 ms	1 sec 500 ms	blaze-1-14
0.900	500 ms	1 sec 500 ms	blaze-3

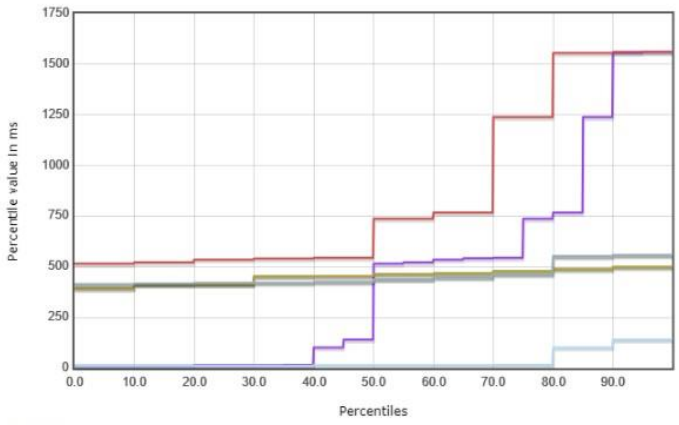
Apache JMeter Dashboard

File D:/WORLDLINE/software/testreport/content/pages/ResponseTimes.html

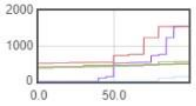
Response Time Distribution

Customs Graphs

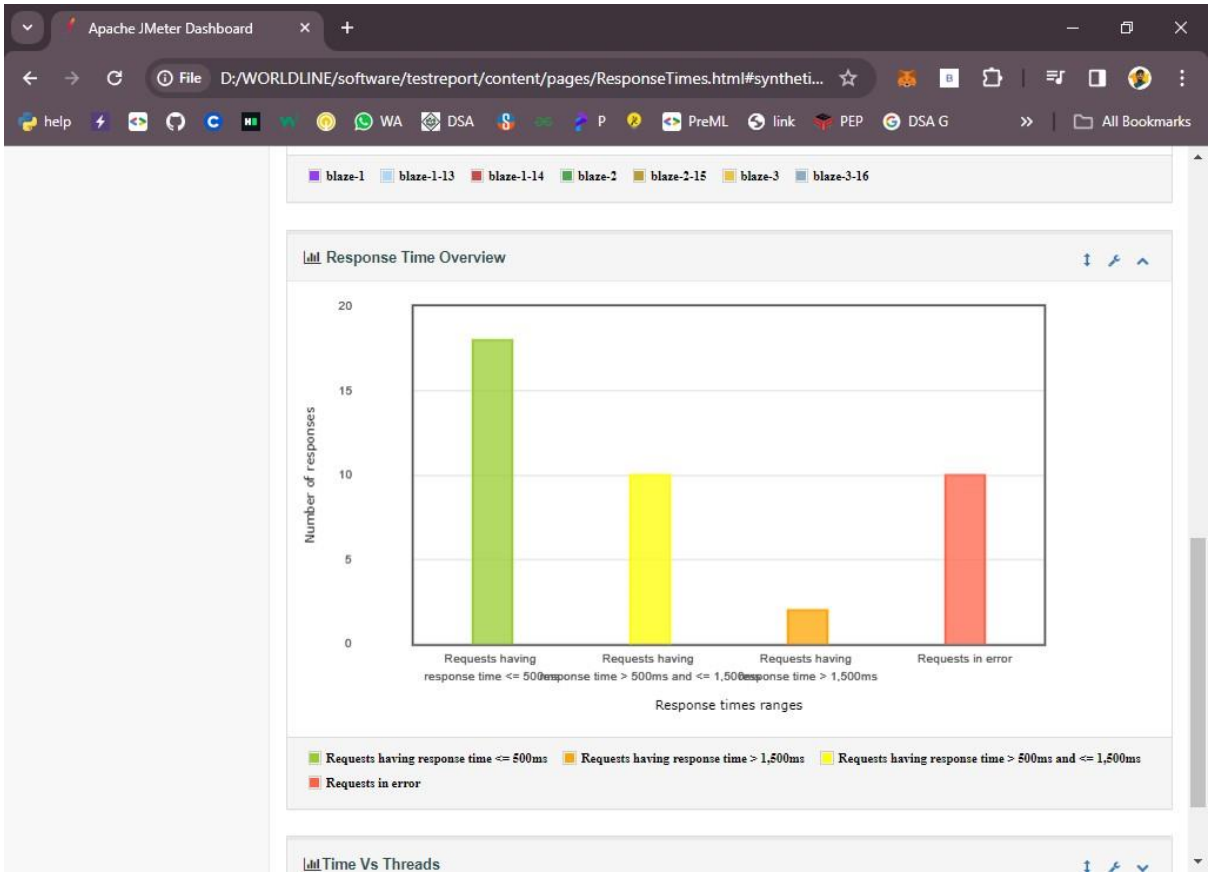
Response Time Percentiles



Zoom :



blaze-1 blaze-1-13 blaze-1-14 blaze-2 blaze-2-15 blaze-3 blaze-3-16


Apache JMeter Dashboard
File D:/WORLDLINE/software/testreport/content/pages/ResponseTimes.html#syntheti...
blaze-1
blaze-1-13
blaze-1-14
blaze-2
blaze-2-15
blaze-3
blaze-3-16
Response Time Overview
20
15
10
5
0
Number of responses
Requests having response time <= 500ms
Requests having response time > 500ms and <= 1,500ms
Requests having response time > 1,500ms
Requests in error
Response times ranges
Requests having response time <= 500ms
Requests having response time > 1,500ms
Requests having response time > 500ms and <= 1,500ms
Requests in error
Time Vs Threads