Customer facing (for cross session)

03.04.2021

Author Details	
First Name	
Surname	
Job Title	
Organization	

General Details

Scenario Name	Scenario2
Run Name	res.lrr
Run Date	03.04.2021 20:31:49
Period	03.04.2021 20:31:49 - 03.04.2021 21:41:39
Run Duration	1 hour and 9 minutes and 50 seconds
PC Project Name	

Executive Summary

Conclusions

Business Process

Run Name	Group Name	Script Name	Concurrent Vusers	% of Total Vusers	Transactions per Hour	Start Time	Think Time	Pacing	Browser Cache
res.lrr	HM_SilkovMax6	HM_SilkovMax6	28	100	17024,4	03.04.2021 20:31:49	Replay as recorded	Fixed intervals every 67,000 sec	
		Total:	**28**	**100%**					

Script: HM_SilkovMax6

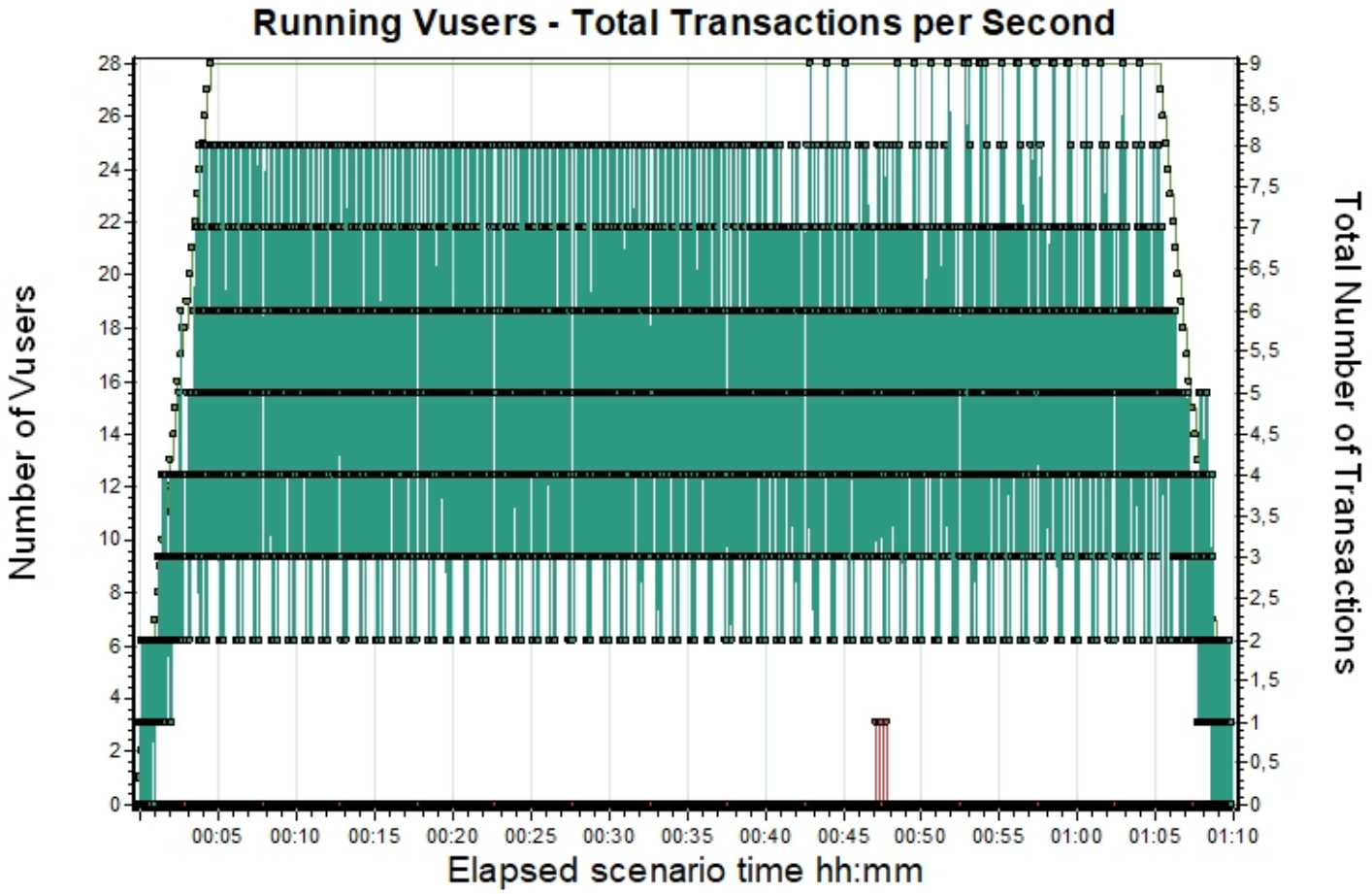
Description:

#	Transaction
1	01.Login_open_field
2	02.Login_fillin_fiels
3	03.OpenPage_ticket_FindFlight
4	04.Create_ticket_FindFlight
5	05.Create_ticket_ChooseCost
6	06.Create_ticket_PaymentDetail
7	07.Button_Itinerary
8	8.Log_out
9	Action_Transaction
10	Action1_Transaction
11	vuser_end_Transaction
12	vuser_init_Transaction

Workload Characteristics

Measurement	res.lrr
Max Running Vusers	28
Average Hits per Second	16,2
Total Hits	67732
Total Passed Transactions per Second	4,7

Total Passed Transactions per Minute	283,7
Total Transactions Number	12



Color	Graph	Scale	Measurement	Graph's Minimum	Graph's Average	Graph's Maximum	Graph's Median	Graph's Std. Deviation
	Running Vusers	1	Run	0,000	26,145	28,000	14,000	8,230
	Total Transactions per Second	1	Fail	0,000	0,001	1,000	0,000	0,031
	Total Transactions per Second	1	Pass	0,000	4,114	9,000	5,000	1,738

Performance Overview

Measurement	Value
Run Name	res.lrr
Weighted Average of Transaction Response Time	0,2
Total Passed Transactions	19820
Total Failed Transactions	4
Transactions Success Rate, %	100
Total Errors per Second	0
Total Errors	2

HTTP Responses Summary

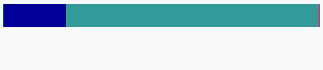
HTTP Response Name	Total	Per Second
HTTP_200	54514	13
HTTP_204	13216	3,2
HTTP_500	2	0

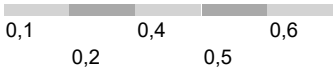
Transaction Summary

Filter Transaction End Status= (Pass)

Run Name	Transaction Name	Minimum	Average	Maximum	Std. Deviation	90%	Pass Count	Fail Count	Stop Count
res.lrr	01.Login_open_field	0,1	0,1	0,1	0	0,1	1652	0	0
res.lrr	02.Login_fillin_fiels	0,1	0,1	0,1	0	0,1	1652	0	0
res.lrr	03.OpenPage_ticket_FindFlight	0,1	0,1	0,1	0	0,1	1650	0	0
res.lrr	04.Create_ticket_FindFlight	0	0	0,1	0	0	1652	0	0
res.lrr	05.Create_ticket_ChooseCost	0	0	0,1	0	0	1652	0	0
res.lrr	06.Create_ticket_PaymentDetail	0	0	0,1	0	0	1652	0	0
res.lrr	07.Button_Itinerary	0,4	0,5	0,7	0,1	0,6	1652	0	0
res.lrr	8.Log_out	0,1	0,1	0,1	0	0,1	1652	0	0
res.lrr	Action_Transaction	0,2	0,2	0,3	0	0,3	1650	0	0
res.lrr	Action1_Transaction	0,4	0,5	0,7	0,1	0,6	1652	0	0
res.lrr	vuser_end_Transaction	0,1	0,1	0,1	0	0,1	1652	0	0
res.lrr	vuser_init_Transaction	0,1	0,2	0,2	0	0,2	1652	0	0

Worst URLs (by average response time)

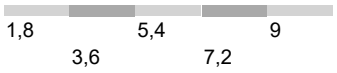
URL name	Parent transaction name	Layers breakdown of the URL	Count	Total	Min	Max	Avg	StdDev
http://localhost:1080/cgi-bin/welcome.pl?page=itinerary	07.Button_Itinerary		59	0,6	0,4	0,6	0,5	0,1
http://localhost:1080/cgi-bin/welcome.pl?page=search	03.OpenPage_ticket_FindFlight		59	0,2	0,1	0,1	0,1	0
http://localhost:1080/cgi-bin/login.pl	02.Login_fillin_fiels		59	0,1	0,1	0,1	0,1	0
http://localhost:1080/cgi-bin/welcome.pl?signOff=1	8.Log_out		59	0,1	0,1	0,1	0,1	0
http://localhost:1080/WebTours/	01.Login_open_field		59	0,1	0,1	0,1	0,1	0
http://localhost:1080/cgi-bin/reservations.pl	04.Create_ticket_FindFlight		59	0	0	0	0	0
http://localhost:1080/cgi-bin/reservations.pl	05.Create_ticket_ChooseCost		59	0	0	0,1	0	0
http://localhost:1080/cgi-bin/reservations.pl	06.Create_ticket_PaymentDetail		59	0	0	0	0	0
http://localhost:8086/write?db=HM1	vuser_init_Transaction		118	0	0	0	0	0
http://localhost:8086/write?db=HM1	Action_Transaction		236	0	0	0	0	0



DNS Resolution Connection SSL Handshaking FTP Authentication
First Buffer Receive Client Error

Most Resource Consuming URLs

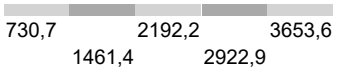
URL name	Parent transaction name	Total server time	Count	Total	Min	Max	Avg	StdDev
http://localhost:1080/cgi-bin/welcome.pl?page=search	03.OpenPage_ticket_FindFlight		59	9	0,1	0,2	0,2	0
http://localhost:1080/cgi-bin/login.pl	02.Login_fillin_fiels		59	6,7	0,1	0,2	0,1	0
http://localhost:1080/cgi-bin/welcome.pl?page=itinerary	07.Button_Itinerary		59	6,5	0,1	0,1	0,1	0
http://localhost:1080/WebTours/	01.Login_open_field		59	3,8	0,1	0,1	0,1	0
http://localhost:1080/cgi-bin/welcome.pl?signOff=1	8.Log_out		59	3,7	0,1	0,1	0,1	0
http://localhost:1080/cgi-bin/reservations.pl	05.Create_ticket_ChooseCost		59	2,5	0	0,1	0	0
http://localhost:1080/cgi-bin/reservations.pl	04.Create_ticket_FindFlight		59	2,4	0	0	0	0
http://localhost:1080/cgi-bin/reservations.pl	06.Create_ticket_PaymentDetail		59	2,4	0	0	0	0
http://localhost:8086/write?db=HM1	vuser_init_Transaction		118	0,6	0	0	0	0
http://localhost:8086/write?db=HM1	Action_Transaction		236	0,5	0	0	0	0



Total Server Time

Largest URLs by Average KBytes

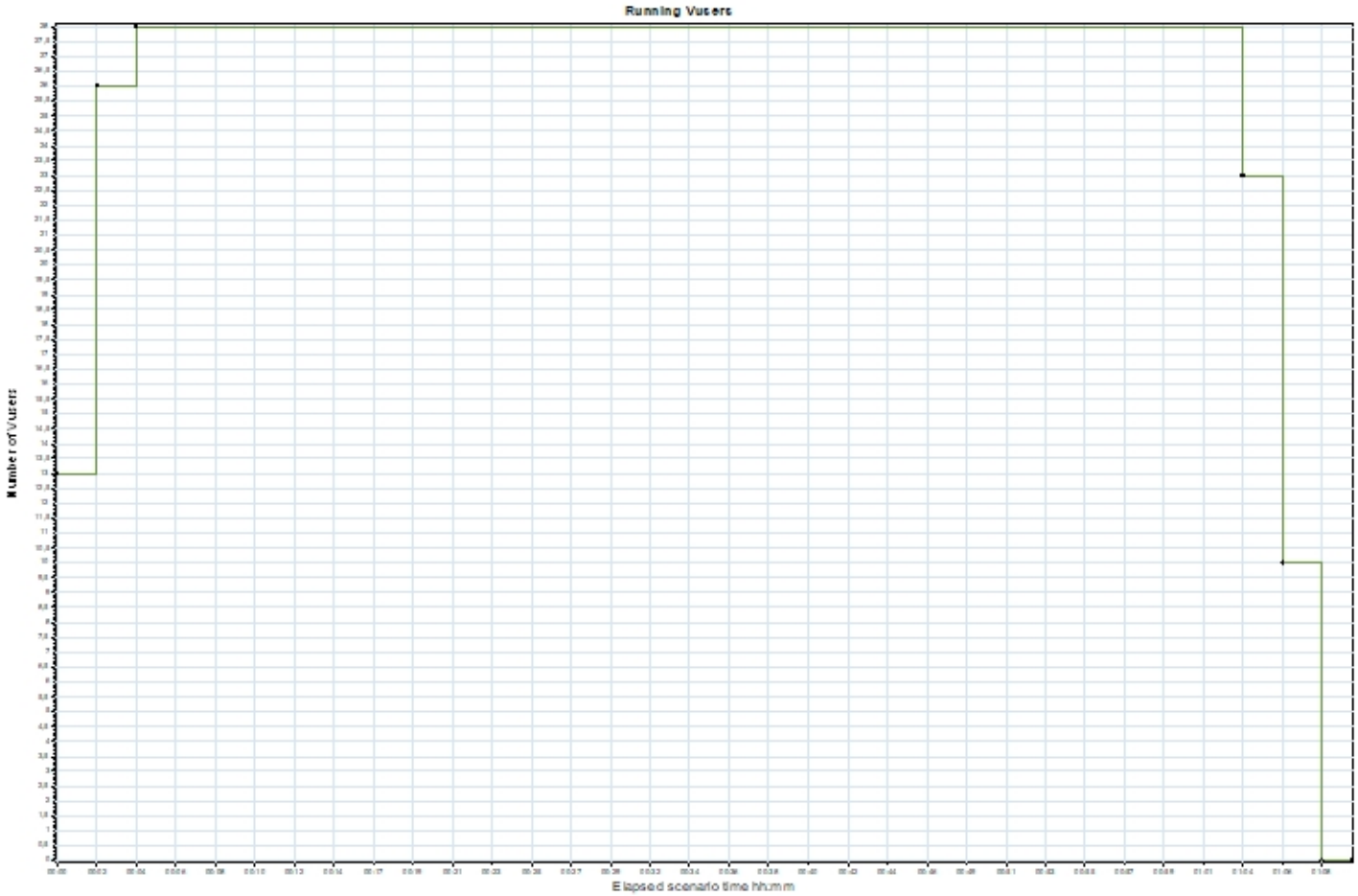
URL name	Parent transaction name	Average size	Count	Total	Min	Max	Avg	StdDev
http://localhost:1080/cgi-bin/welcome.pl?page=itinerary	07.Button_Itinerary		59	215565,1	2790,1	4560,4	3653,6	531,1
http://localhost:1080/WebTours/	01.Login_open_field		59	718,9	12,2	12,2	12,2	0,1
http://localhost:1080/cgi-bin/welcome.pl?page=search	03.OpenPage_ticket_FindFlight		59	586,4	9,9	9,9	9,9	0,1
http://localhost:1080/cgi-bin/login.pl	02.Login_fillin_fiels		59	452,2	7,7	7,7	7,7	0,1
http://localhost:1080/cgi-bin/reservations.pl	06.Create_ticket_PaymentDetail		59	228,4	3,9	3,9	3,9	0,1
http://localhost:1080/cgi-bin/reservations.pl	05.Create_ticket_ChooseCost		59	171	2,9	2,9	2,9	0,1
http://localhost:1080/cgi-bin/welcome.pl?signOff=1	8.Log_out		59	160,1	2,7	2,7	2,7	0,1
http://localhost:1080/cgi-bin/reservations.pl	04.Create_ticket_FindFlight		59	156,3	2,6	2,7	2,6	0,1
http://localhost:8086/write?db=HM1	vuser_init_Transaction		118	28,6	0,2	0,2	0,2	0
http://localhost:8086/write?db=HM1	Action_Transaction		236	57,2	0,2	0,2	0,2	0



Average size

Running Vusers

Title	Running Vusers
Current Results	C:\Users\Valera\AppData\Local\Temp\res\res.lrr
Filters	Vuser Status = (Run)
Group By	
Granularity	128 Seconds

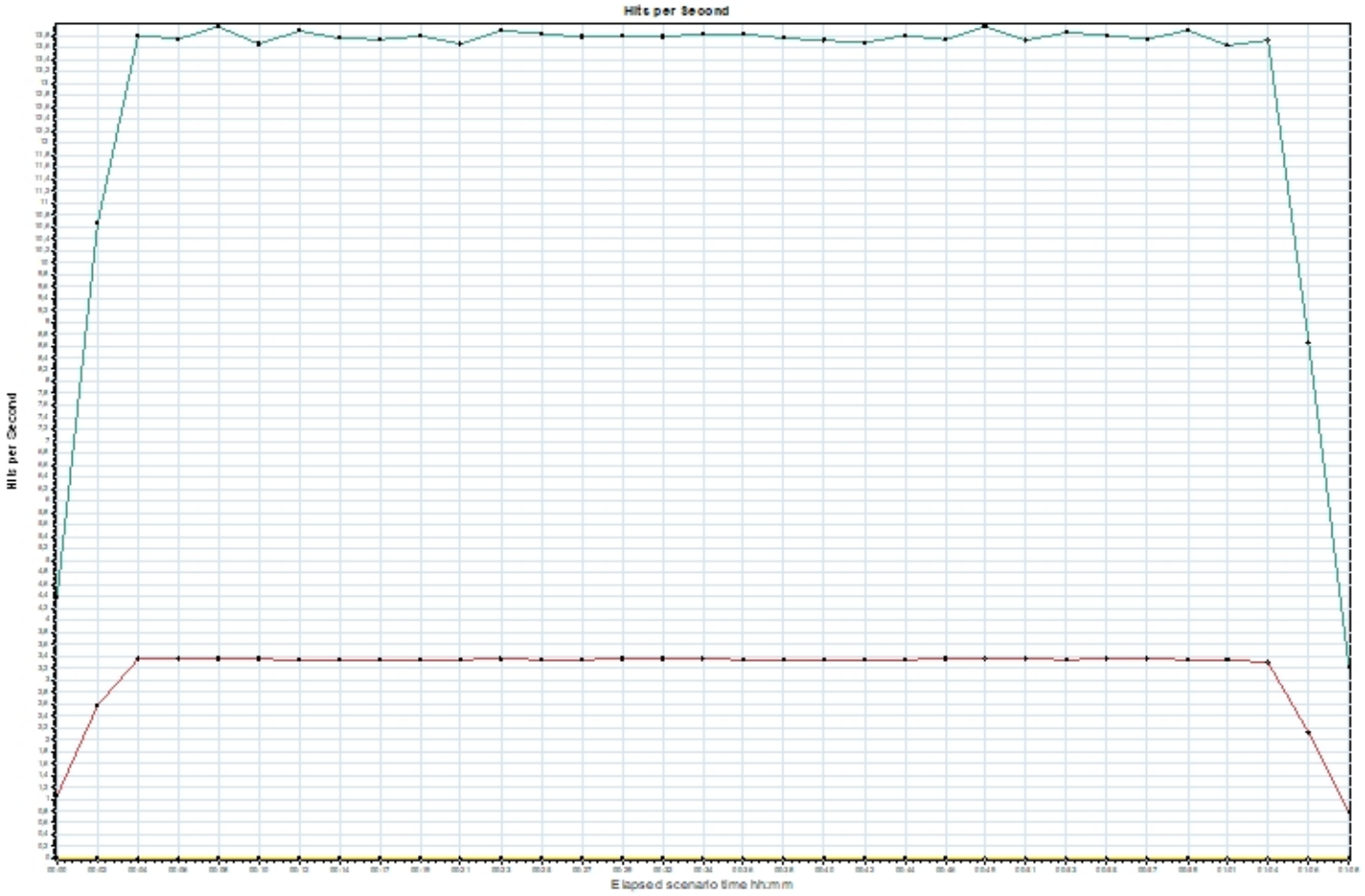


Color	Scale	Measurement	Graph Minimum	Graph Average	Graph Maximum	Graph Median	Graph Std. Deviation
	1	Run	0,000	26,137	28,000	13,000	10,885

Description: Displays the number of Vusers that executed Vuser scripts, and their status, during each second of a load test. This graph is useful for determining the Vuser load on your server at any given moment.

Hits per Second

Title	Hits per Second
Current Results	C:\Users\Valera\AppData\Local\Temp\res\res.lrr
Filters	None
Group By	
Granularity	128 Seconds

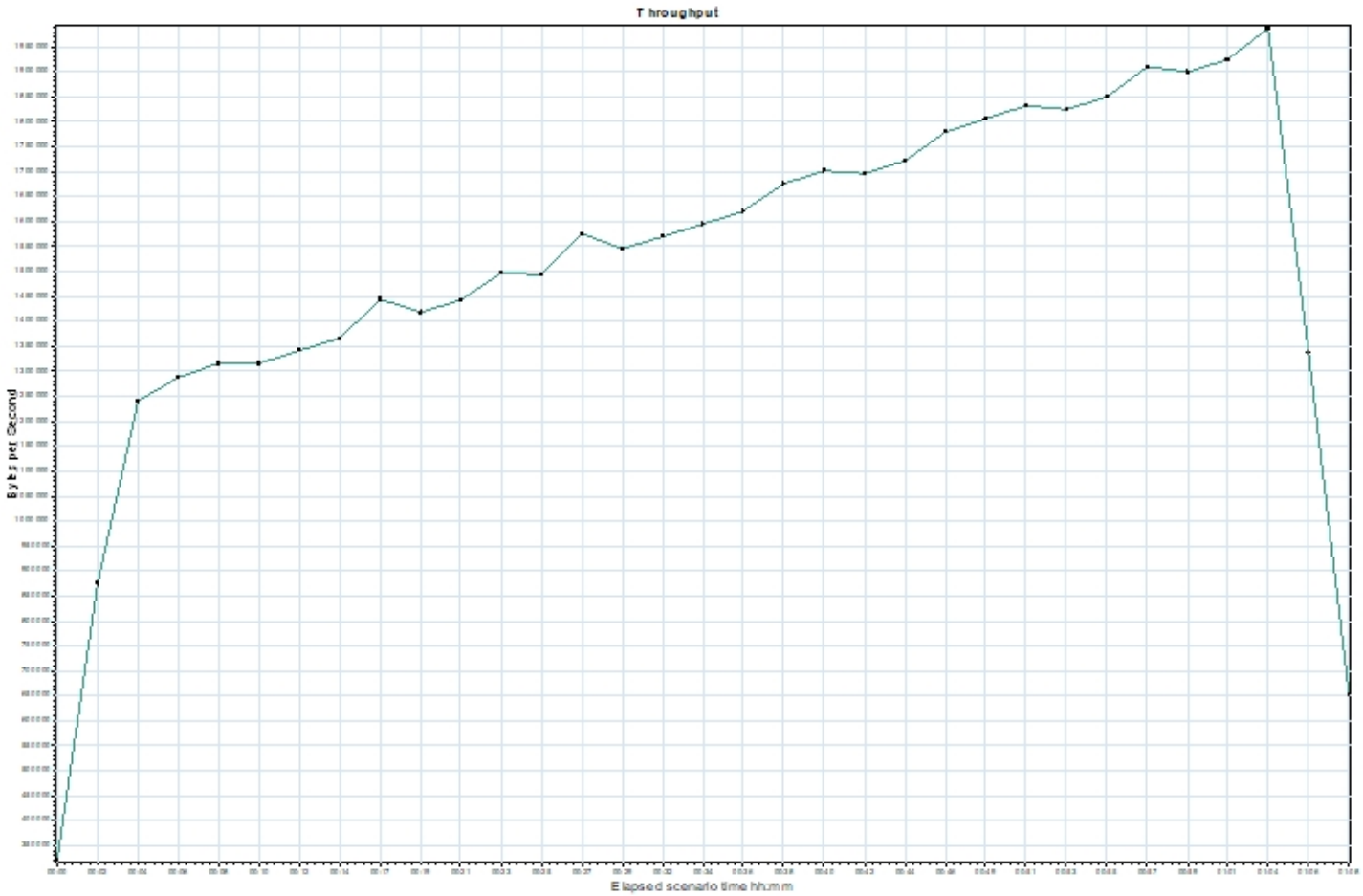


Color	Scale	Measurement	Graph Minimum	Average	Graph Maximum	Graph Median	Graph Std. Deviation
	1	HTTP_200	3,211	13,007	13,953	13,758	2,537
	1	HTTP_204	0,789	3,153	3,352	3,344	0,614
	1	HTTP_500	0,000	0,000	0,016	0,000	0,003

Description: Displays the number of hits made on the Web server by Vusers during each second of the load test. This graph helps you evaluate the amount of load Vusers generate, in terms of the number of hits.

Throughput

Title	Throughput
Current Results	C:\Users\Valera\AppData\Local\Temp\res\res.lrr
Filters	None
Group By	
Granularity	128 Seconds



Color	Scale	Measurement	Graph Minimum	Average	Graph Maximum	Graph Median	Graph Std. Deviation
	1	Throughput	319 445,531	1 517 244,730	1 985 896,430	1 569 552,078	357 063,284

Description: Displays the amount of throughput (in bytes) on the Web server during the load test. Throughput represents the amount of data that the Vusers received from the server at any given second. This graph helps you to evaluate the amount of load Vusers generate, in terms of server throughput.

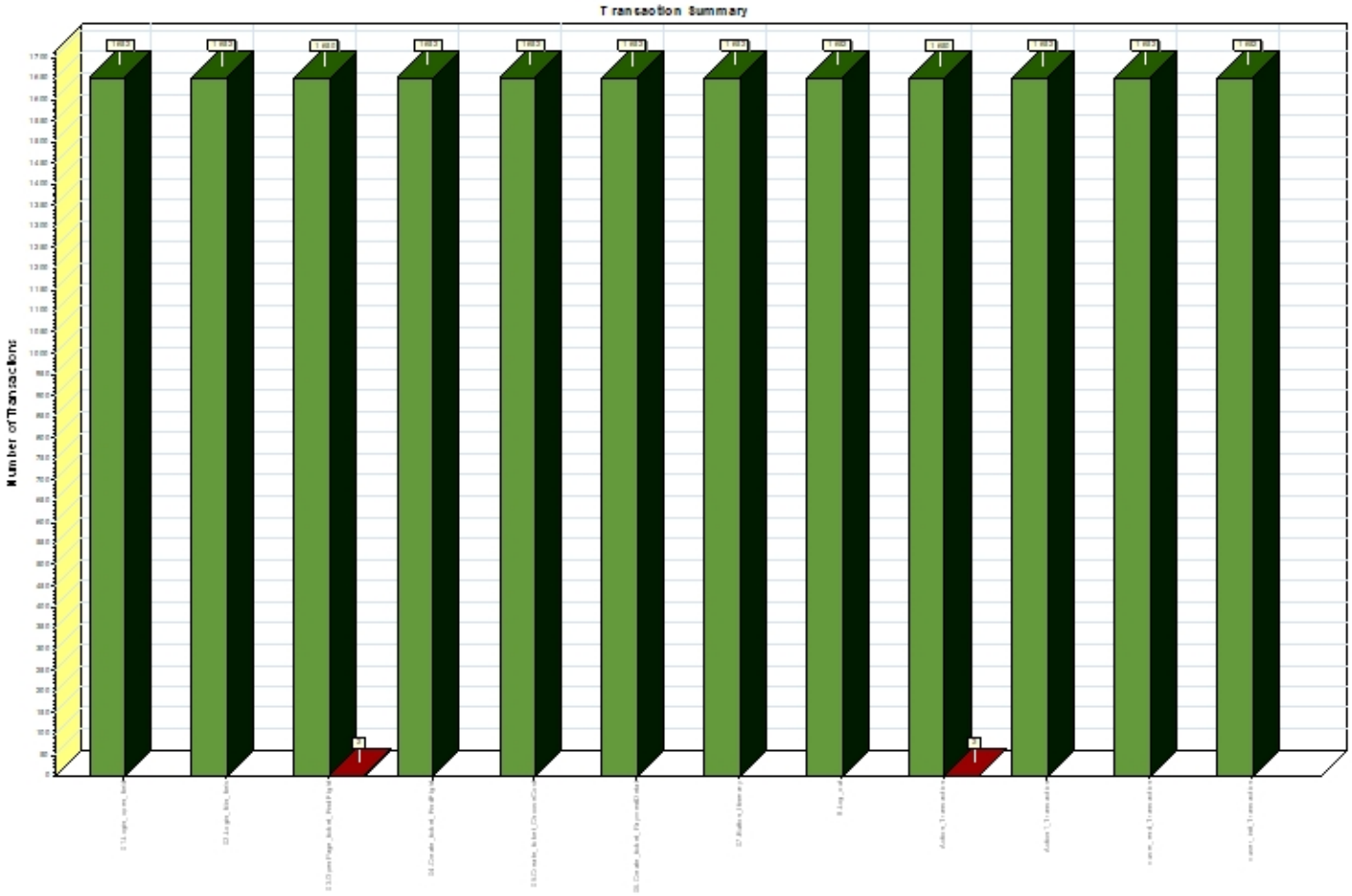
Transaction Summary

Title Transaction Summary

Current Results C:\Users\Valera\AppData\Local\Temp\res\res.lrr

Filters (do not Include Think Time)

Group By

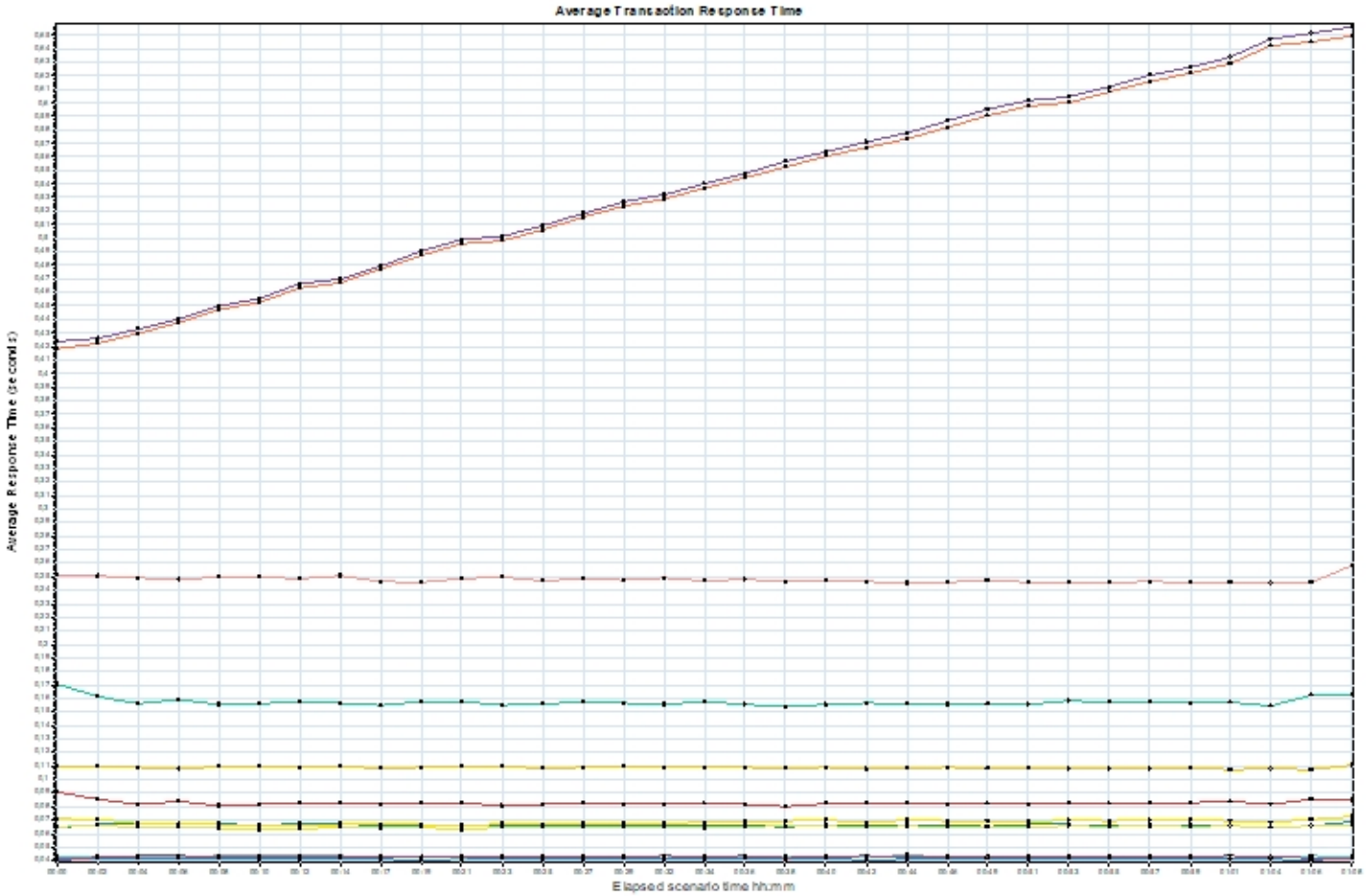


Color	Scale	Measurement
	1	Pass
	1	Fail

Description: Displays the number of transactions that passed, failed, stopped, or ended with errors.

Average Transaction Response Time

Title Average Transaction Response Time
Current Results C:\Users\Valera\AppData\Local\Temp\res\res.lrr
Filters Transaction End Status = (Pass)(do not Include Think Time)
Group By
Granularity 128 Seconds,



Color	Scale	Measurement	Minimum	Average	Maximum	Std. Deviation
	1	01.Login_open_field	0,059	0,066	0,082	0,004
	1	02.Login_fillin_fiels	0,063	0,082	0,124	0,008
	1	03.OpenPage_ticket_FindFlight	0,076	0,109	0,127	0,005
	1	04.Create_ticket_FindFlight	0,036	0,041	0,051	0,003
	1	05.Create_ticket_ChooseCost	0,037	0,043	0,059	0,003
	1	06.Create_ticket_PaymentDetail	0,037	0,043	0,055	0,003
	1	07.Button_Itinerary	0,408	0,536	0,701	0,067
	1	8.Log_out	0,057	0,065	0,084	0,004
	1	Action_Transaction	0,209	0,247	0,280	0,008
	1	Action1_Transaction	0,409	0,540	0,710	0,067
	1	vuser_end_Transaction	0,058	0,068	0,085	0,005
	1	vuser_init_Transaction	0,133	0,157	0,206	0,010

Description: Displays the average time taken to perform transactions during each second of the load test. This graph helps you determine whether the performance of the server is within acceptable minimum and maximum transaction performance time ranges defined for your system.

Terminology

LoadRunner Objects

Term	Definition
Vuser Scripts	A Vuser script describes the actions that a Vuser performs during the scenario. Each Vuser executes a Vuser script during a scenario run. The Vuser scripts include functions that measure and record the performance of your application components.
Load Test	Tests a system's ability to handle a heavy workload. A load test simulates multiple transactions or users interacting with the computer at the same time and provides reports on response times and system behavior.
Run-Time Settings	Run-Time settings allow you to customize the way a Vuser script is executed. You configure the run-time settings from the Controller or VuGen before running a scenario. You can view information about the Vuser groups and scripts that were run in each scenario, as well as the run-time settings for each script in a scenario, in the Scenario Run-Time Settings dialog box.
Scenario	A scenario defines the events that occur during each testing session. For example, a scenario defines and controls the number of users to emulate, the actions that they perform, and the machines on which they run their emulations.
Scheduler	The Schedule Builder allows you to set the time that the scenario will start running, the duration time of the scenario or of the Vuser groups within the scenario, and to gradually run and stop the Vusers within the scenario or within a Vuser group. It also allows you to set the load behavior of Vusers in a scenario.
Session	When you work with the Analysis utility, you work within a session. An Analysis session contains at least one set of scenario results (lrr file). The Analysis utility processes the scenario result information and generates graphs and reports. The Analysis stores the display information and layout settings for the active graphs in a file with an .lra extension. Each session has a session name, result file name, database name, directory path, and type.
Transactions	A transaction represents an action or a set of actions used to measure the performance of the server. You define transactions within your Vuser script by enclosing the appropriate sections of the script with start and end transaction statement.
Vusers	Vusers or virtual users are used by LoadRunner as a replacement for human users. When you run a scenario, Vusers emulate the actions of human users working with your application. A scenario can contain tens, hundreds, or even thousands of Vusers running concurrently on a single workstation.

Graph Information

Term	Definition
Average	Average value of the graph measurement's.
Hits	The number of HTTP requests made by Vusers to the Web server.
Maximum	Maximum value of the graph measurement's.
Measurement	This is the type of resource being monitored
Median	Middle value of the graph measurement's.
Minimum	Minimum value of the graph measurement's.
Network Delay	The time it takes for a packet of data sent across the network to go to the requested node and return.
Network Path	The Network Path is the route data travels between the source machine and the destination machine.
Response time	The time taken to perform a transaction.
Scale (or granularity)	In order to display all the measurements on a single graph, thus making the graphs easier to read and analyze, you can change the scale or (granularity) of the x-axis. You can either set measurement scales manually, view measurement trends for all measurements in the graph, or let Analysis scale them automatically. The Legend tab indicates the scale factor for each resource.
Standard Deviation (SD)	The square root of the arithmetic mean value of the squares of the deviations from the arithmetic mean.
Throughput	Throughput is measured in bytes and represents the amount of data that the Vusers received from the server.
Vuser Load	When you run a scenario, the Vusers generate load or stress on the server. LoadRunner monitors the effect of this load on the performance of your application.