Performance Test Results

Test 01(Blazemeter Execution)

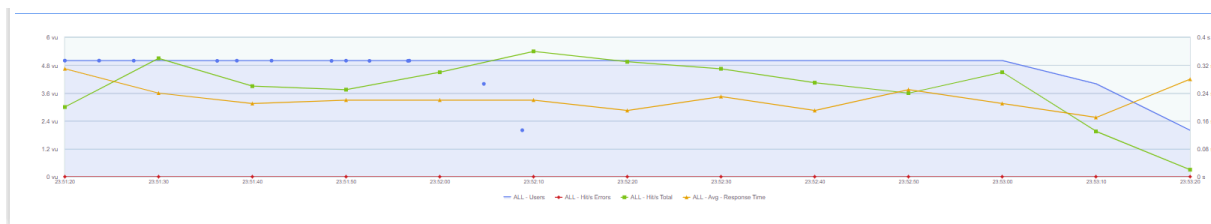Test Profile
Concurrent Users: 20
Ramp Up: 8 min
Steady State: 12 min
Total Duration: 20 min
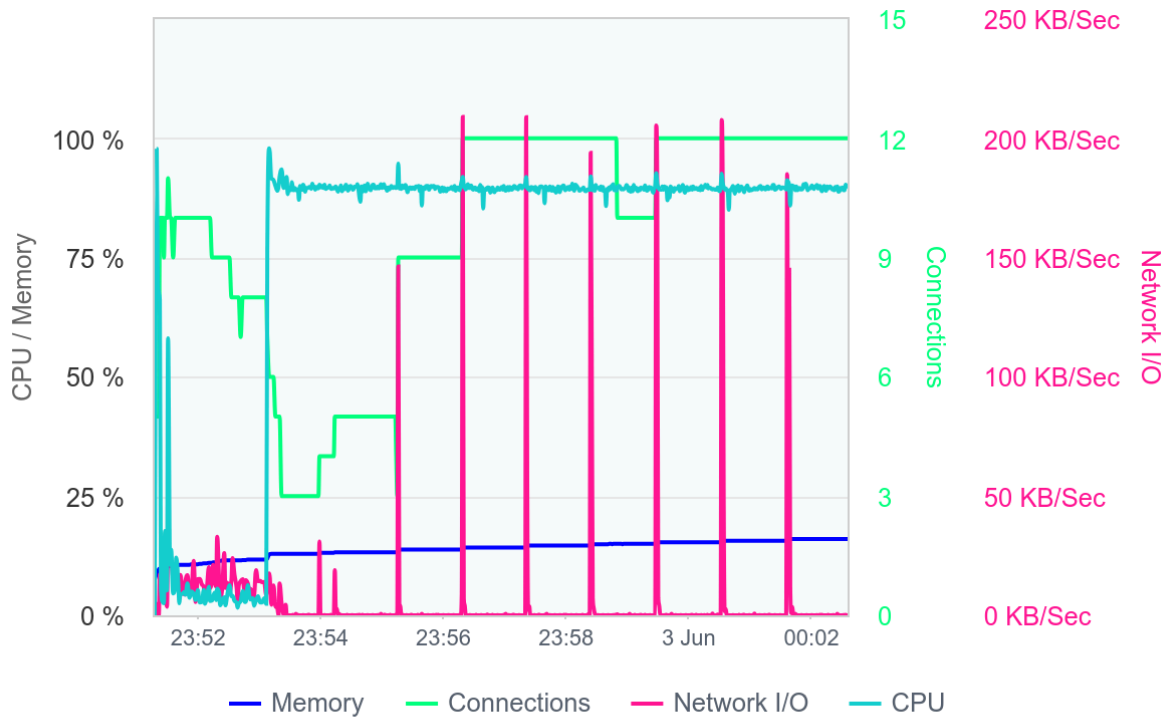
Timeline Report

Overall Test Summary

Element Label	# Samples	Avg. Response Time (s)	Avg. Hits/s	90% line (s)	95% line (s)	99% line (s)	Response Time (s)	Max Response Time (s)	Avg. Bandwidth (KBytes/s)	Percentage
ALL	331	0.22	2.76	0.38	0.38	0.67	0.09	0.67	8.71	0
04_02_00_Select_catagory	17	0.09	0.17	0.1	0.1	0.1	0.09	0.1	0.29	0
03_01_00_user_Search_Catagory_SignIn	16	0.38	0.16	0.39	0.39	0.39	0.37	0.39	0.95	0
02_02_00_Create account	16	0.38	0.15	0.39	0.39	0.39	0.38	0.39	1	0
04_06_00_Payment	17	0.19	0.18	0.19	0.19	0.19	0.19	0.19	0.71	0
04_03_00_Select_fish	17	0.09	0.17	0.1	0.1	0.1	0.09	0.1	0.31	0
04_05_00_Proceed_to_Checkout	17	0.09	0.18	0.1	0.1	0.1	0.09	0.1	0.41	0
04_01_00_user_Order_Booking_SignIn	17	0.38	0.18	0.38	0.39	0.39	0.37	0.39	1.06	0
02_03_00_User_SignIn	16	0.38	0.16	0.38	0.38	0.38	0.37	0.38	0.94	0
03_02_00_Search_Product	16	0.19	0.16	0.19	0.19	0.19	0.19	0.19	0.56	0
02_01_00_Signup	16	0.09	0.16	0.1	0.1	0.1	0.09	0.1	0.3	0
04_04_00_Add_to_cart	17	0.1	0.17	0.1	0.1	0.1	0.09	0.1	0.36	0
02_04_00_User_Signout	16	0.28	0.16	0.28	0.29	0.29	0.28	0.29	0.65	0
00_Launch	50	0.33	0.48	0.3	0.67	0.67	0.28	0.67	0.49	0
01_00_Enter the store	50	0.09	0.48	0.1	0.1	0.1	0.09	0.1	0.96	0
03_03_00_user_Search_CatagorySignout	16	0.28	0.16	0.28	0.29	0.29	0.28	0.29	0.65	0
04_07_00_user_Order_Booking_Signout	17	0.28	0.17	0.28	0.28	0.28	0.28	0.28	0.71	0

Observations

- Avg Response Time: 0.28 sec
- Error Rate: 0%

- Observed all the transaction are below 1 sec
- Observed CPU usage crossed the 90%
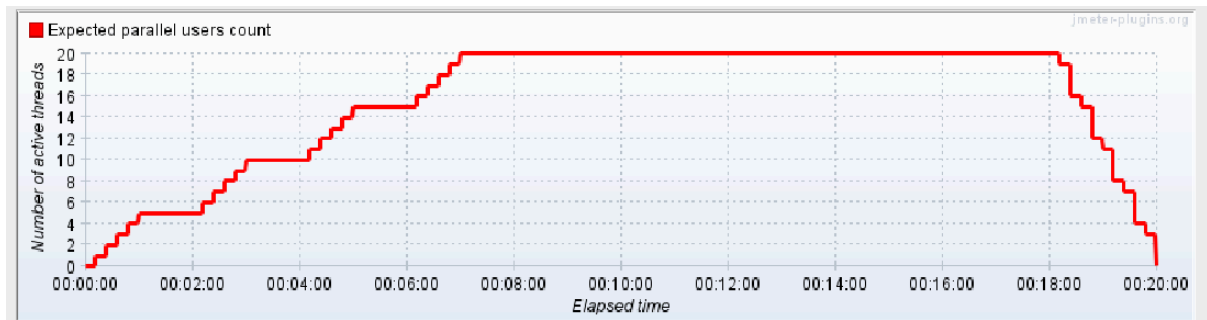
<u>Bottle Neck Observed</u>

<u>Test 02(AWS Distributed load testing with 2 instances)</u>

Test Profile
Concurrent Users: 20
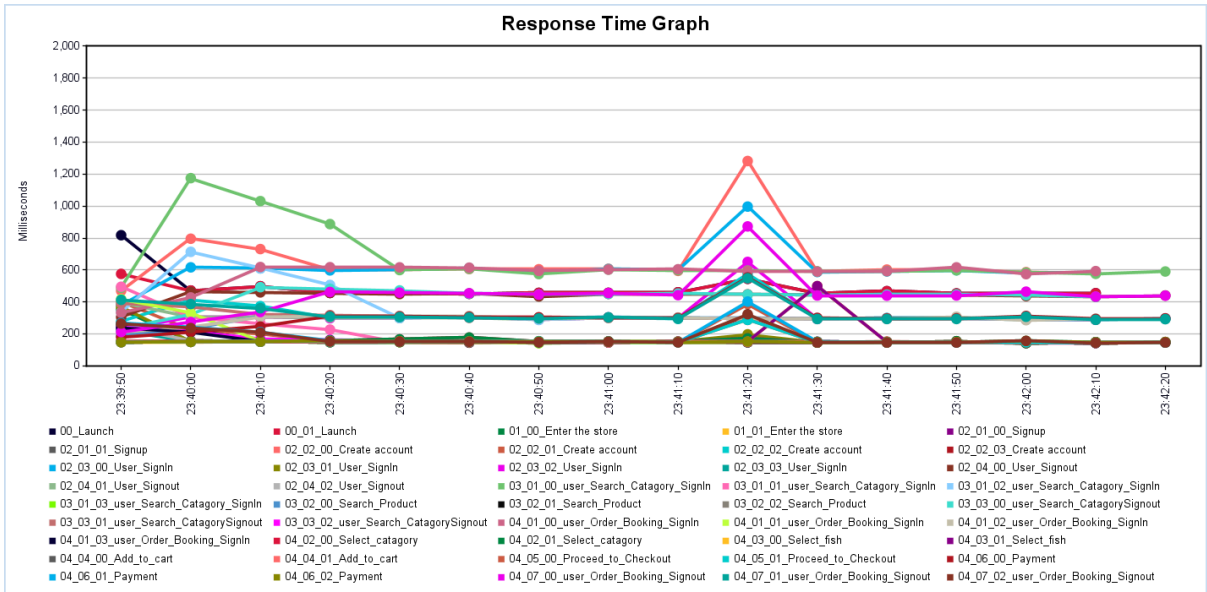Ramp Up: 8 min
Steady State: 12 mins
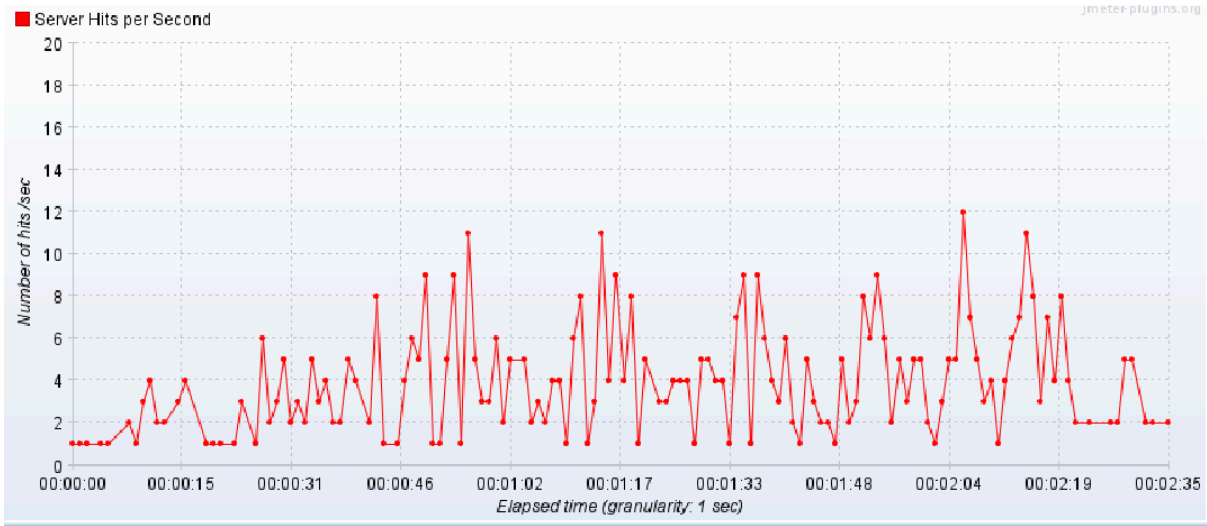Total Duration: 20mins

<u>Active users</u>

Overall Test Summary

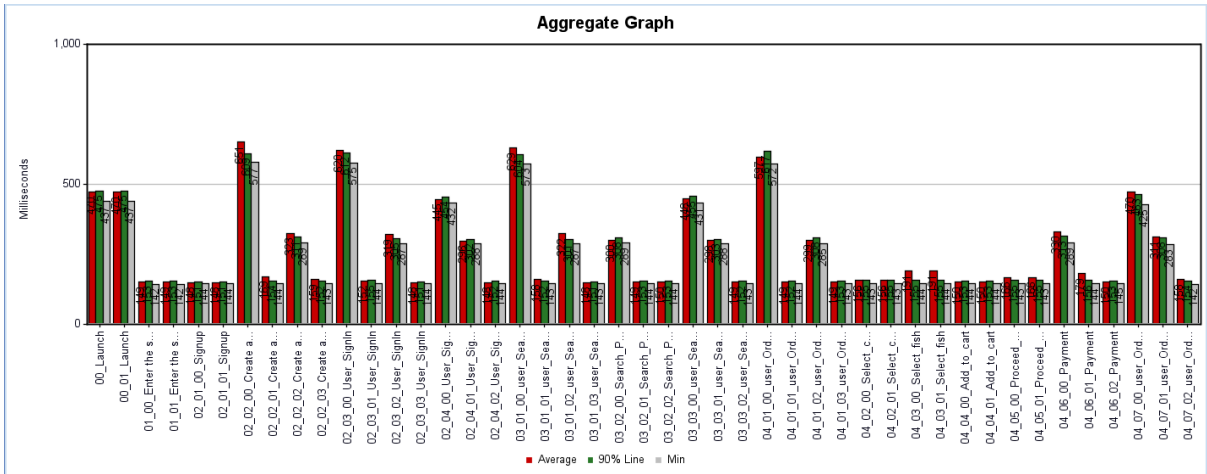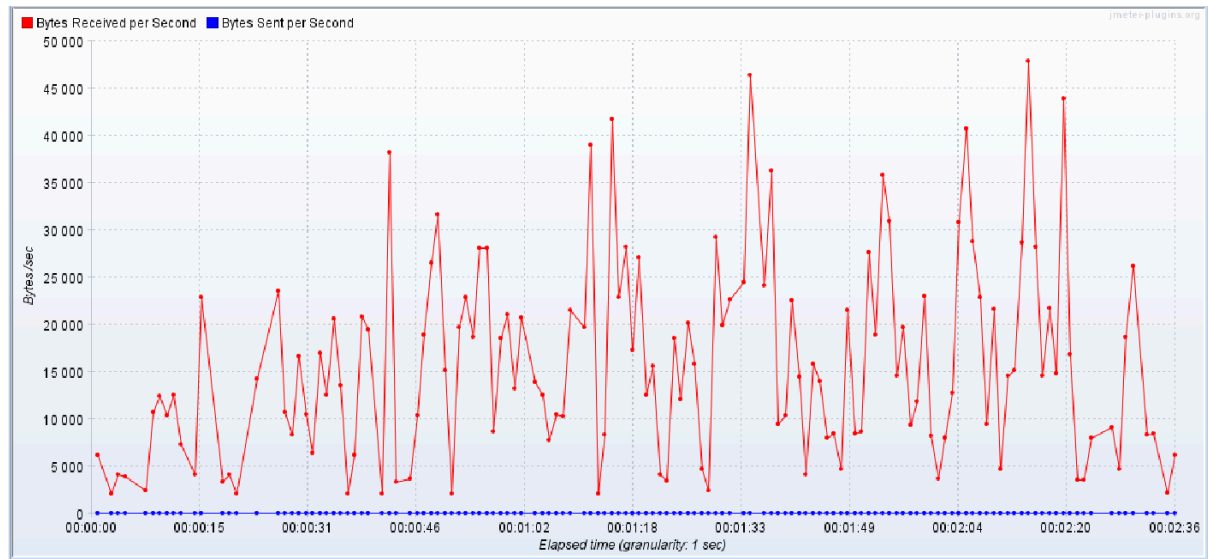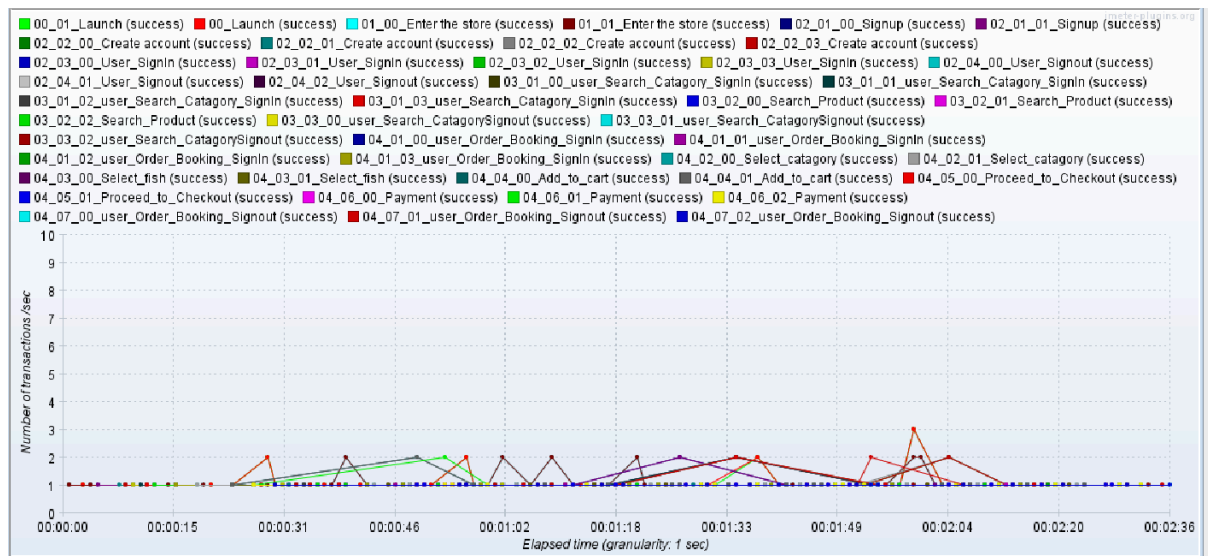| Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Max	Error %	Throughput
00_Launch	50	470	457	475	498	818	437	818	0.00%	0.36035
00_01_Launch	50	470	457	475	498	818	437	818	0.00%	0.36059
01_00_Enter the store	50	149	149	153	155	155	142	155	0.00%	0.36042
01_01_Enter the store	50	149	149	153	155	155	142	155	0.00%	0.36041
02_01_00_Signup	16	148	149	151	152	156	144	156	0.00%	0.12031
02_01_01_Signup	16	148	149	151	152	156	144	156	0.00%	0.12031
02_02_00_Create account	16	651	602	609	796	1282	577	1282	0.00%	0.12252
02_02_01_Create account	16	169	150	154	229	388	144	388	0.00%	0.12292
02_02_02_Create account	16	323	301	311	411	577	289	577	0.00%	0.12287
02_02_03_Create account	16	159	149	152	156	317	143	317	0.00%	0.12312
02_03_00_User_SignIn	16	620	598	612	617	997	575	997	0.00%	0.12281
02_03_01_User_SignIn	16	152	150	155	155	198	144	198	0.00%	0.12323
02_03_02_User_SignIn	16	319	298	305	309	651	287	651	0.00%	0.1231
02_03_03_User_SignIn	16	148	149	151	153	154	144	154	0.00%	0.12326
02_04_00_User_Signout	16	445	445	454	455	464	432	464	0.00%	0.11551
02_04_01_User_Signout	16	296	297	302	303	308	288	308	0.00%	0.11563
02_04_02_User_Signout	16	148	149	152	152	156	144	156	0.00%	0.11577
03_01_00_user_Search_Catagory_SignIn	16	629	594	604	608	1175	573	1175	0.00%	0.1154
03_01_01_user_Search_Catagory_SignIn	16	158	148	152	152	305	143	305	0.00%	0.11578
03_01_02_user_Search_Catagory_SignIn	16	322	298	301	305	714	287	714	0.00%	0.11578
03_01_03_user_Search_Catagory_SignIn	16	148	149	151	151	156	143	156	0.00%	0.11626
03_02_00_Search_Product	16	300	300	308	311	313	289	313	0.00%	0.1163
03_02_01_Search_Product	16	149	150	153	155	157	144	157	0.00%	0.11643
03_02_02_Search_Product	16	150	150	153	156	161	144	161	0.00%	0.11644
03_03_00_user_Search_CatagorySignout	16	448	447	455	460	493	431	493	0.00%	0.11606
03_03_01_user_Search_CatagorySignout	16	298	298	303	306	324	288	324	0.00%	0.11619
03_03_02_user_Search_CatagorySignout	16	149	149	152	154	169	143	169	0.00%	0.11634
04_01_00_user_Order_Booking_SignIn	17	597	594	617	619	628	572	628	0.00%	0.13739
03_02_02_Search_Product	16	150	150	153	156	161	144	161	0.00%	0.11644
03_03_00_user_Search_CatagorySignout	16	448	447	455	460	493	431	493	0.00%	0.11606
03_03_01_user_Search_CatagorySignout	16	298	298	303	306	324	288	324	0.00%	0.11619
03_03_02_user_Search_CatagorySignout	16	149	149	152	154	169	143	169	0.00%	0.11634
04_01_00_user_Order_Booking_SignIn	17	597	594	617	619	628	572	628	0.00%	0.13739
04_01_01_user_Order_Booking_SignIn	17	149	149	152	155	155	144	155	0.00%	0.13788
04_01_02_user_Order_Booking_SignIn	17	299	297	308	309	324	285	324	0.00%	0.13773
04_01_03_user_Order_Booking_SignIn	17	149	149	153	154	155	143	155	0.00%	0.13791
04_02_00_Select_catagory	17	156	149	155	204	217	143	217	0.00%	0.1376
04_02_01_Select_catagory	17	156	149	155	204	217	143	217	0.00%	0.1376
04_03_00_Select_fish	17	191	149	155	156	851	144	851	0.00%	0.141
04_03_01_Select_fish	17	191	149	155	156	851	144	851	0.00%	0.141
04_04_00_Add_to_cart	17	150	151	153	155	157	144	157	0.00%	0.138
04_04_01_Add_to_cart	17	150	151	153	155	157	144	157	0.00%	0.138
04_05_00_Proceed_to_Checkout	17	166	150	155	156	424	143	424	0.00%	0.14015
04_05_01_Proceed_to_Checkout	17	166	150	155	156	424	143	424	0.00%	0.14015
04_06_00_Payment	17	330	301	313	512	596	289	596	0.00%	0.13545
04_06_01_Payment	17	179	151	156	363	443	144	443	0.00%	0.13561
04_06_02_Payment	17	150	150	153	156	157	145	157	0.00%	0.13562
04_07_00_user_Order_Booking_Signout	17	470	443	463	465	873	425	873	0.00%	0.13462
04_07_01_user_Order_Booking_Signout	17	311	295	308	309	549	283	549	0.00%	0.13477
04_07_02_user_Order_Booking_Signout	17	158	148	154	157	324	142	324	0.00%	0.13495
TOTAL	874	269	153	475	596	714	142	1282	0.00%	5.61217

Response time Graph

Hits/Sec

Aggregate Graph

Throughput

Transactions per second

Observations

- Avg Response Time: 0.269 sec
- Observed all the transaction are below 1 sec
- Observed CPU usage up to 35% while performing execution with multiple instances.