

# Performance testing

US-18, US-21, US-22, US-23, US-24

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## Overview

I have been assigned to 5 user stories, therefore performance testing have been done to each of those user stories:

- US – 018 Vet sees pet's visits
- US – 021 Training session organization
- US – 022 Trainer plans rehabilitation sessions
- US – 023 Owner sees rehabilitation sessions
- US – 024 Owner sees trainer's personal information

## US testing results

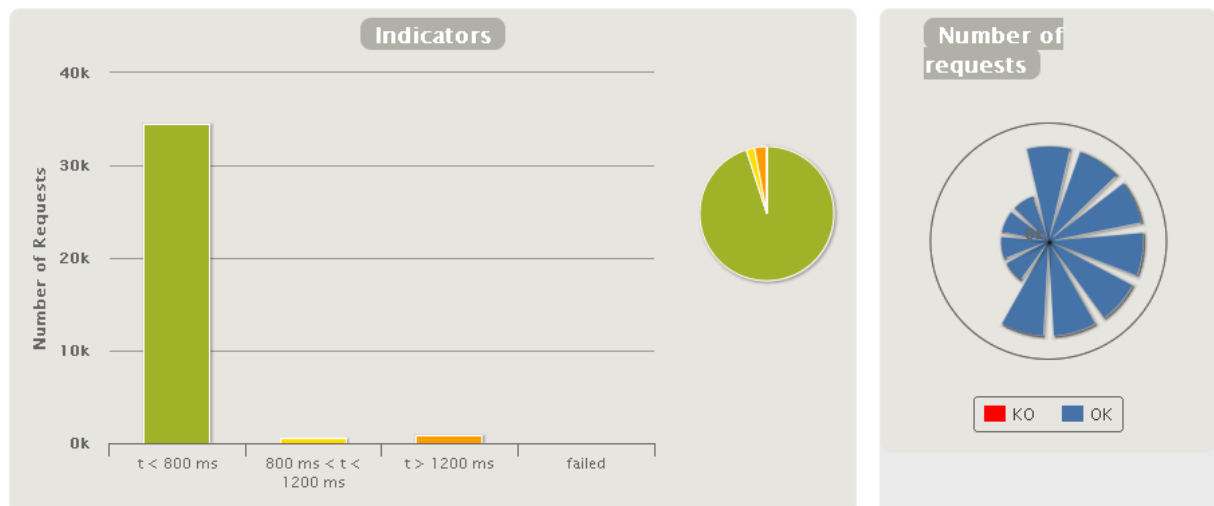
### US – 018 Vet sees pet's visits

Table shows results after 2 tests:

Stress testing	60000
Load testing	2000

Gatling report after performing load testing:

#### > Global Information



#### ▶ ASSERTIONS

Assertion	Status
Global: max of response time is less than 5000.0	OK
Global: mean of response time is less than 1000.0	OK
Global: percentage of successful events is greater than 95.0	OK

FIGURE 1 US-18 TESTING OVERVIEW

STATISTICS <span>Expand all groups   Collapse all groups</span>													
Requests ^	Executions					Response Time (ms)							
	Total ↕	OK ↕	KO ↕	% KO ↕	Cnt/s ↕	Min ↕	50th pct ↕	75th pct ↕	95th pct ↕	99th pct ↕	Max ↕	Mean ↕	Std Dev ↕
Global Information	36000	36000	0	0%	197.802	0	6	81	710	1840	4921	138	379
Home	4000	4000	0	0%	21.978	3	12	140	671	1719	1897	149	309
Login	4000	4000	0	0%	21.978	1	7	199	724	1043	4921	148	274
request_2	4000	4000	0	0%	21.978	0	3	9	434	3510	3522	118	482
Logged	4000	4000	0	0%	21.978	2	9	252	1144	2062	3972	214	427
Logged Redirect 1	4000	4000	0	0%	21.978	0	4	32	425	1531	4414	98	355
FindOwners	4000	4000	0	0%	21.978	1	7	150	1079	2095	4269	184	422
FindOwne...direct 1	4000	4000	0	0%	21.978	0	3	9	305	1135	3908	70	333
BrokenOwnersLink	2000	2000	0	0%	10.989	1	7	146	1070	2128	3826	187	427
BrokenOw...direct 1	2000	2000	0	0%	10.989	0	3	9	321	1180	3494	72	314
OwnersIn...tsVisits	2000	2000	0	0%	10.989	1	7	154	981	1973	3487	179	392
OwnersIn...direct 1	2000	2000	0	0%	10.989	0	3	9	334	1285	3837	78	335

FIGURE 2 US-18 TESTING STEPS

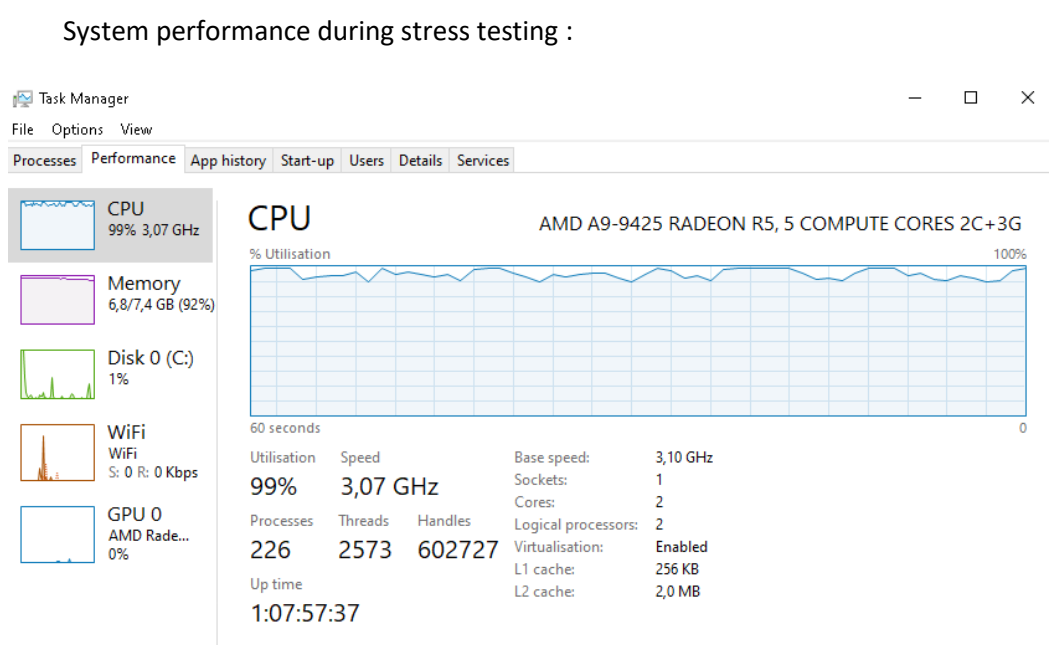


FIGURE 3 U-18 SYSTEM PERFORMANCE DURING STRESS TESTING

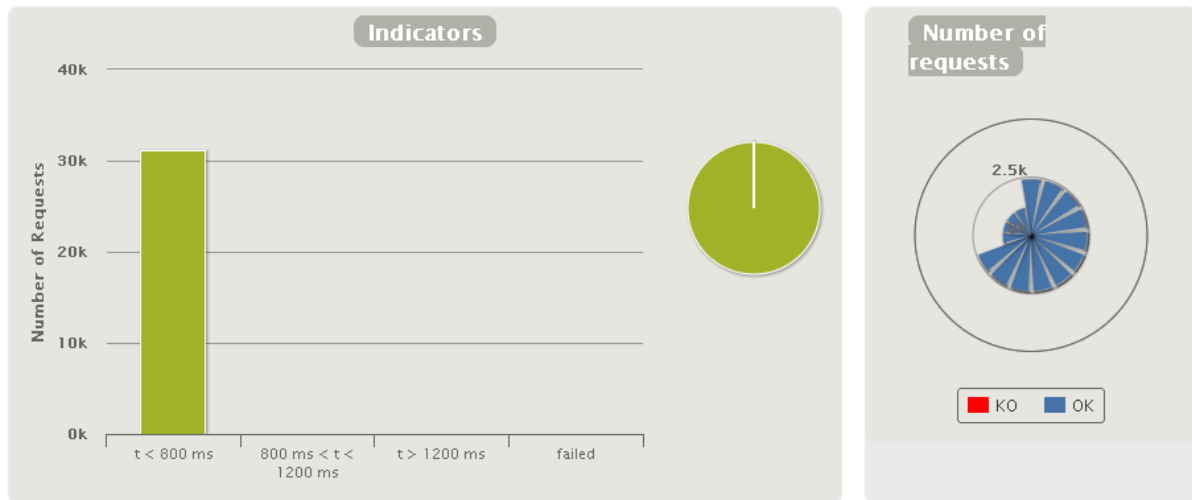
US-021 Training session organization

Table shows results after 2 tests:

Stress testing	45000
Load testing	1200

## Gatling report after performing load testing:

### > Global Information



ASSERTIONS	
Assertion	Status
Global: max of response time is less than 5000.0	OK
Global: mean of response time is less than 1000.0	OK
Global: percentage of successful events is greater than 95.0	OK

FIGURE 5 US-21 TESTING OVERVIEW

▶ STATISTICS						Expand all groups   Collapse all groups								
Requests ^	🔄 Executions					🕒 Response Time (ms)								
	Total ▾	OK ▾	KO ▾	% KO ▾	Cnt/s ▾	Min ▾	50th pct ▾	75th pct ▾	95th pct ▾	99th pct ▾	Max ▾	Mean ▾	Std Dev ▾	
Global Information	31200	31200	0	0%	106.485	0	4	6	10	18	491	5	11	
Home	2400	2400	0	0%	8.191	3	7	10	17	49	491	10	25	
Login	2400	2400	0	0%	8.191	1	3	5	11	35	383	6	23	
request_2	2400	2400	0	0%	8.191	1	3	5	9	18	387	5	16	
Logged	2400	2400	0	0%	8.191	1	4	6	10	19	92	5	5	
Logged Redirect 1	2400	2400	0	0%	8.191	0	3	4	7	12	23	3	2	
FindOwnersPage	2400	2400	0	0%	8.191	1	5	6	12	19	367	6	8	
FindOwne...direct 1	2400	2400	0	0%	8.191	0	3	5	8	12	34	4	3	
OwnerDetails	2400	2400	0	0%	8.191	2	4	6	10	15	58	5	3	
OwnerDet...direct 1	2400	2400	0	0%	8.191	0	3	5	7	11	100	3	3	
NewRehabForm	2400	2400	0	0%	8.191	1	4	5	10	15	114	5	4	
NewRehab...direct 1	2400	2400	0	0%	8.191	0	3	5	7	11	102	3	3	
Unsucces...gOfRehab	1200	1200	0	0%	4.096	1	3	5	8	14	82	4	4	
Unsucces...direct 1	1200	1200	0	0%	4.096	0	2	4	7	10	17	3	2	
AddedSuc...NewRehab	1200	1200	0	0%	4.096	1	3	5	8	13	66	4	4	
AddedSuc...direct 1	1200	1200	0	0%	4.096	0	3	4	7	10	159	3	5	

FIGURE 4 US-21 TESTING STEPS

System performance during stress testing:

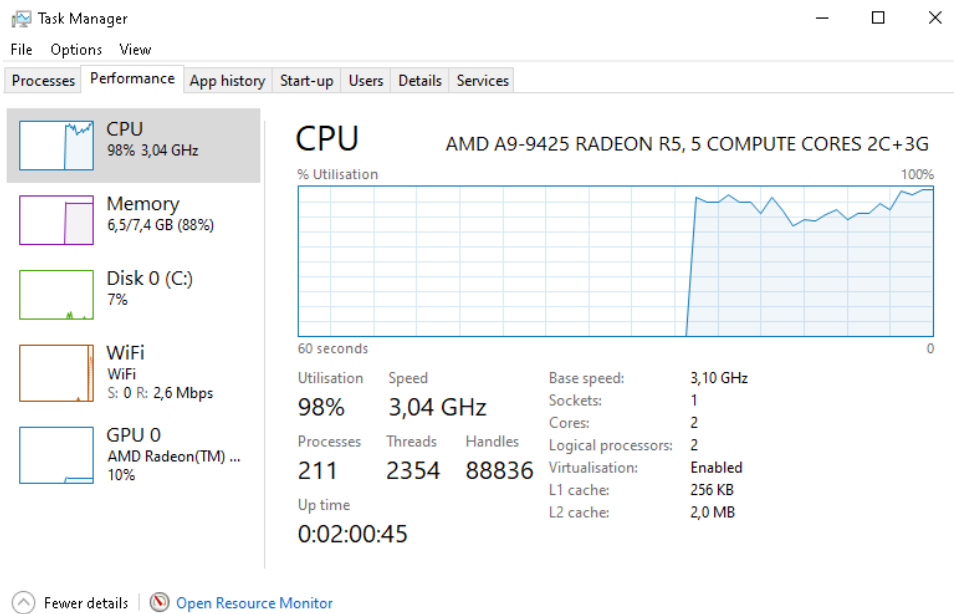


FIGURE 6 US-21 SYSTEM PERFORMANCE DURING STRESS TESTING

US - 22 Trainer plans rehabilitation sessions

Table shows results after 2 tests:

Stress testing	50000
Load testing	1300

Gatling report after performing load testing:

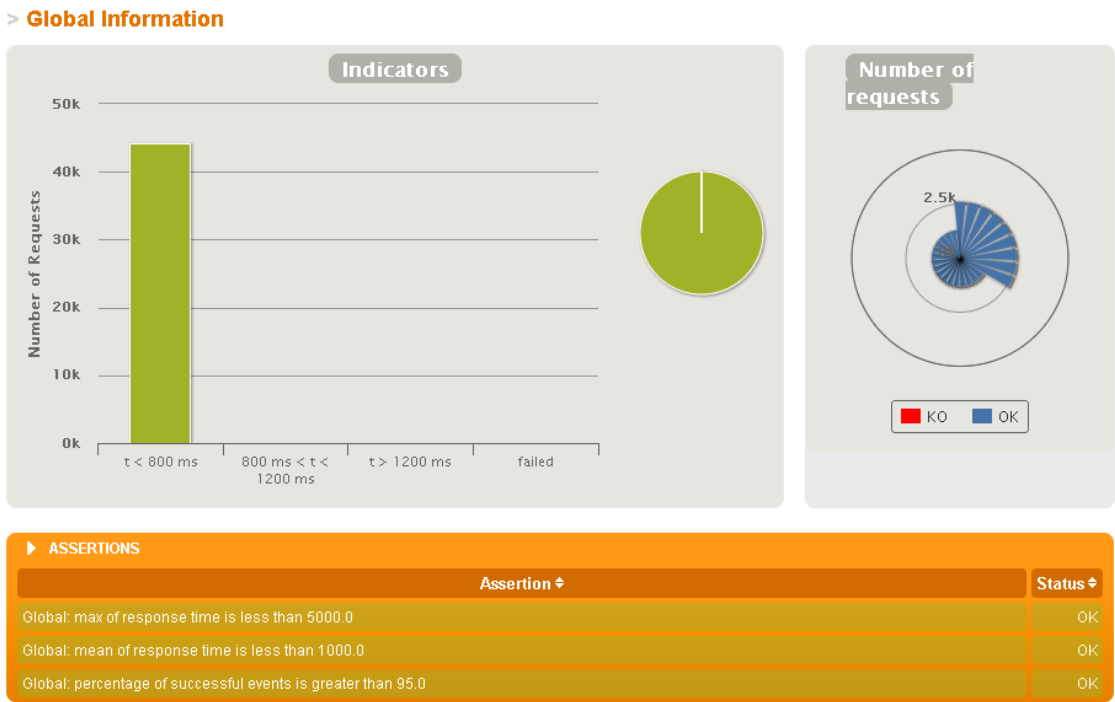


FIGURE 7 US-22 TESTING OVERVIEW

STATISTICS <span>Expand all groups   Collapse all groups</span>														
Requests ^	Executions					Response Time (ms)								
	Total ↕	OK ↕	KO ↕	% KO ↕	Cnt/s ↕	Min ↕	50th pct ↕	75th pct ↕	95th pct ↕	99th pct ↕	Max ↕	Mean ↕	Std Dev ↕	
Global Information	44200	44200	0	0%	172.656	0	4	7	93	295	3945	19	93	
Home	2600	2600	0	0%	10.156	3	8	11	103	328	1659	30	117	
Login	2600	2600	0	0%	10.156	1	4	7	211	453	3945	34	176	
request_2	2600	2600	0	0%	10.156	0	2	5	45	161	3850	12	90	
Logged	2600	2600	0	0%	10.156	1	5	8	112	291	3878	22	113	
Logged Redirect 1	2600	2600	0	0%	10.156	0	2	4	22	110	1704	7	39	
FindOwners	2600	2600	0	0%	10.156	1	5	8	158	421	3890	29	119	
FindOwne...direct 1	2600	2600	0	0%	10.156	0	2	5	50	200	1701	14	88	
OwnerInformation	2600	2600	0	0%	10.156	1	6	9	168	277	774	25	62	
OwnerInf...direct 1	2600	2600	0	0%	10.156	0	3	5	70	327	1866	18	95	
NewRehab2	1300	1300	0	0%	5.078	2	6	9	128	299	1118	24	82	
NewRehab...direct 1	1300	1300	0	0%	5.078	0	3	6	41	201	697	11	48	
NewRehab	1300	1300	0	0%	5.078	1	6	9	132	308	1083	23	70	
NewRehab Redirect 1	1300	1300	0	0%	5.078	0	3	6	40	164	422	10	32	
AddedNewRehab2	1300	1300	0	0%	5.078	1	6	9	169	405	3848	33	147	
AddedNew...direct 1	1300	1300	0	0%	5.078	0	3	5	63	175	1699	12	56	
AddedNewRehab	1300	1300	0	0%	5.078	1	6	9	145	461	3893	32	139	
AddedNew...direct 1	1300	1300	0	0%	5.078	0	3	5	59	165	1703	11	55	
AddedNewRehab	1300	1300	0	0%	5.078	1	6	9	145	461	3893	32	139	
AddedNew...direct 1	1300	1300	0	0%	5.078	0	3	5	59	165	1703	11	55	
UnsuccessfulEditing	1300	1300	0	0%	5.078	1	5	7	153	416	629	24	77	
Unsecces...direct 1	1300	1300	0	0%	5.078	0	3	5	39	190	1686	12	73	
EditRehabSuccessful	1300	1300	0	0%	5.078	1	5	7	92	290	664	17	57	
EditReha...direct 1	1300	1300	0	0%	5.078	0	3	5	13	129	271	8	24	
request_13	1300	1300	0	0%	5.078	1	4	6	67	376	515	16	58	
request_...direct 1	1300	1300	0	0%	5.078	0	2	4	10	159	1698	9	70	
Successfu...bEditing	1300	1300	0	0%	5.078	1	3	4	8	16	147	4	10	
Successfu...direct 1	1300	1300	0	0%	5.078	0	2	3	6	11	149	3	8	

FIGURE 8 US-22 TESTING STEPS

System performance during stress testing :

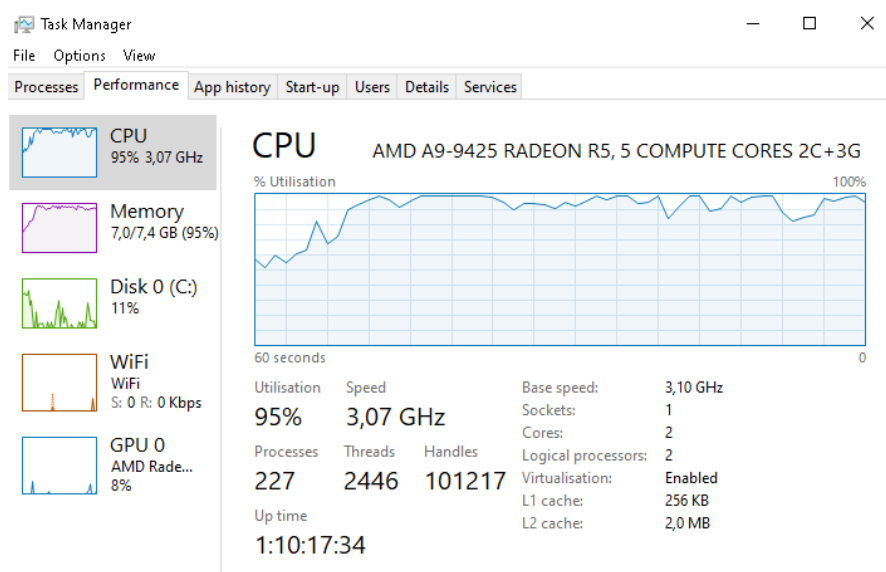


FIGURE 9 SYSTEM PERFORMANCE DURING STRESS TEST

- US – 023 Owner sees rehabilitation sessions

## US – 023 Owner sees rehabilitation sessions

Table shows results after 2 tests:

Stress testing	70000
Load testing	1900

Gatling report after performing load testing:

### > Global Information

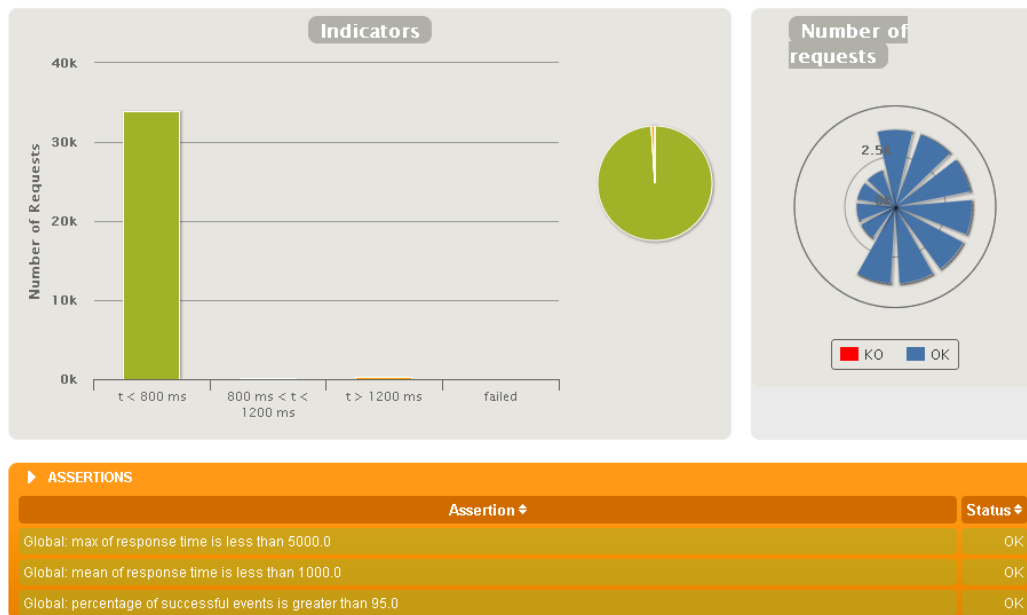


FIGURE 10 TESTING OVERVIEW

STATISTICS														Expand all groups   Collapse all groups	
Requests ^	Executions					Response Time (ms)									
	Total	OK	KO	% KO	Cnt/s	Min	50th pct	75th pct	95th pct	99th pct	Max	Mean	Std Dev		
Global Information	34200	34200	0	0%	138.462	0	6	17	352	850	4778	67	198		
Home	3800	3800	0	0%	15.385	3	12	186	851	1651	4778	172	351		
Login	3800	3800	0	0%	15.385	1	6	15	299	955	1793	62	167		
request_2	3800	3800	0	0%	15.385	0	2	7	259	397	1598	30	88		
Logged	3800	3800	0	0%	15.385	2	8	71	346	1278	3912	82	245		
Logged Redirect 1	3800	3800	0	0%	15.385	0	3	8	176	407	3904	31	120		
FindOwner	3800	3800	0	0%	15.385	2	9	122	487	955	3887	105	253		
FindOwne...direct 1	3800	3800	0	0%	15.385	0	3	9	192	372	3823	35	136		
OwnerInfoAndRehabs	1900	1900	0	0%	7.692	2	7	15	335	449	867	56	115		
OwnerInf...direct 1	1900	1900	0	0%	7.692	0	3	7	174	382	1306	25	75		
Unsucces...abSeeing	1900	1900	0	0%	7.692	1	7	16	335	446	868	57	114		
Unsucces...direct 1	1900	1900	0	0%	7.692	0	4	7	175	397	1446	27	81		

FIGURE 11 US-23 TESTING STEPS

System performance during stress testing:

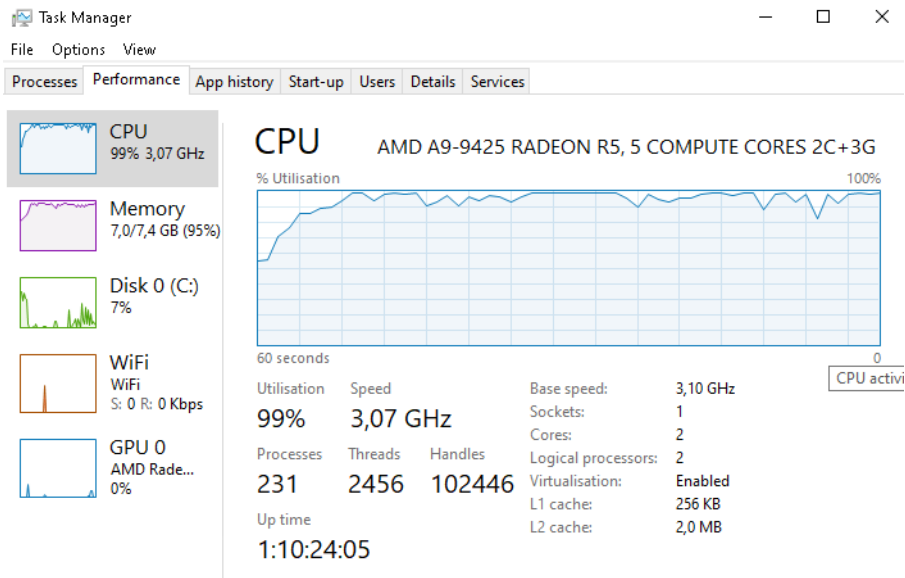


FIGURE 12 SYSTEM PERFORMANCE DURING STRESS TEST

US – 024 Owner sees trainer’s personal information

Table shows results after 2 tests:

Stress testing	50000
Load testing	800

Gatling report after performing load testing:

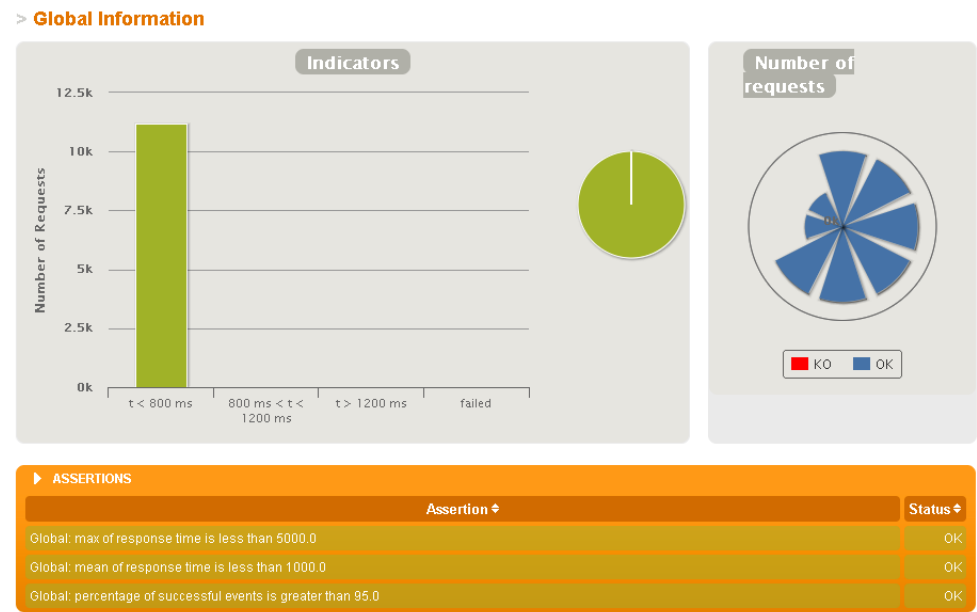


FIGURE 13 TESTING OVERVIEW



STATISTICS <span>Expand all groups   Collapse all groups</span>													
Requests ^	Executions					Response Time (ms)							
	Total	OK	KO	% KO	Cnt/s	Min	50th pct	75th pct	95th pct	99th pct	Max	Mean	Std Dev
Global Information	11200	11200	0	0%	48.069	0	4	7	13	41	1332	7	32
Home	1600	1600	0	0%	6.867	3	7	9	14	41	390	9	15
Login	1600	1600	0	0%	6.867	1	3	5	9	22	170	4	9
request_2	1600	1600	0	0%	6.867	0	2	3	6	10	141	3	5
Logged	1600	1600	0	0%	6.867	1	3	5	11	21	222	5	10
Logged Redirect 1	1600	1600	0	0%	6.867	0	2	3	6	11	116	3	4
TrainersList	1600	1600	0	0%	6.867	2	5	7	17	241	869	13	61
TrainerUnsuccessful	800	800	0	0%	3.433	2	4	6	16	87	715	10	44
TrainerSuccessful	800	800	0	0%	3.433	4	10	13	24	123	1332	17	64

FIGURE 14 U-24 TESTING STEPS

## System performance during stress testing:

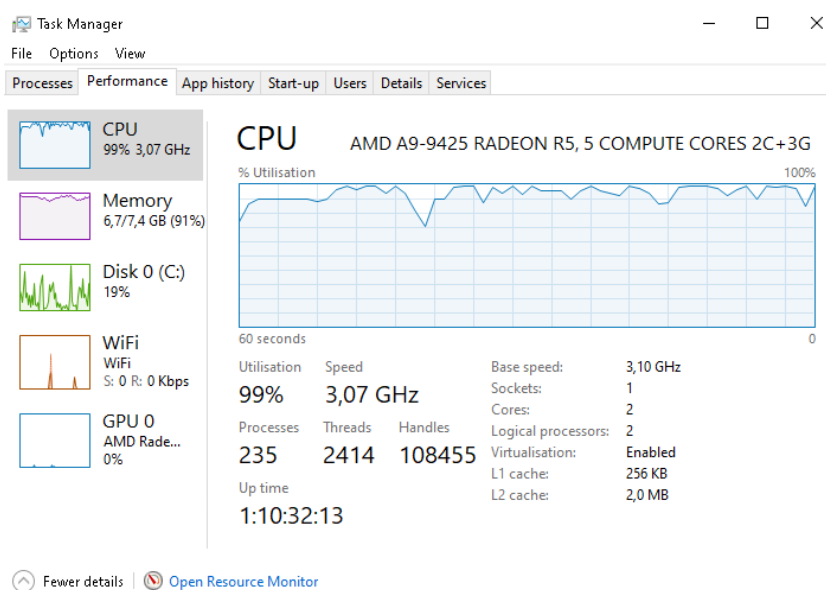


FIGURE 15 SYSTEM PERFORMANCE DURING STRESS TEST