1. **Document profile**

Date 5/04/19
Recipients - product owner, project manager, business owner
System Name - basic e-commerce portal
Version of SUT – 1.0
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2. **Test purpose**

Check if system survive after load.

3. **Test setup**
- test type – stress test
- configuration system:
  - SLOWDOWN_SERVICE_MS_MIN – 50
  - SLOWDOWN_SERVICE_MS_MAX – 500
- users – 386
- durations – 3 mins
- operations profile:
  - Open Home Page - 386
  - View All products - 599
  - View Product Details - 682
  - Add Product to cart - 311
  - View Cart - 129
  - Checkout - 75

4. **Test status (brief summary)**
- 381 users - system survives, but some requests increases the response time.
- the test ran without errors
- standard deviation does not exceed half arithmetic mean
- 91 % requests: t < 800 ms
- 6 % requests: 800ms < t < 1200ms
- 3 % requests: t > 1200ms

5. Summary

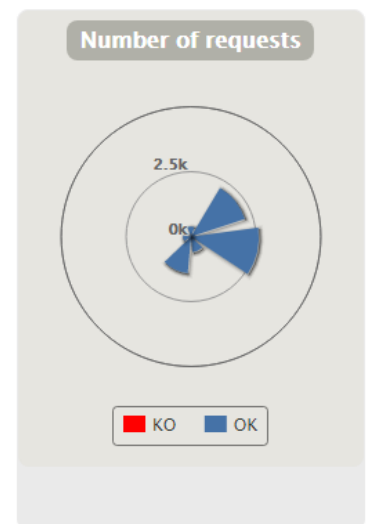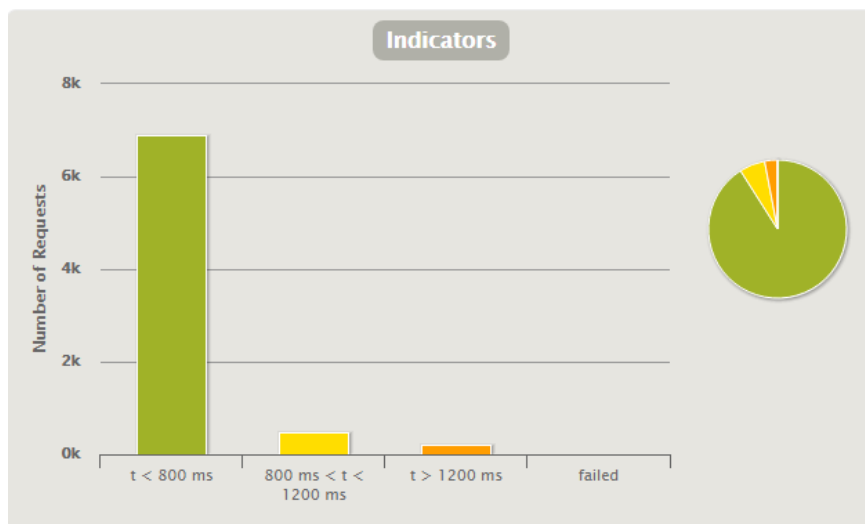We use the response time as the main metric. The main indicators - 50th percentile and 95th percentile.

Requests	50th percentile	95th percentile
Global Information	423	875
Get token	254	454
Check Token	255	455
Get product by id	512	821
Get all products	519	820
Get product from cart	513	857
Add product to cart	1318	1721
Checkout	518	836

Issues:

- All requests (exclude "Get token"): response time increases in proportion to the increase in load.

6. Test results

STATISTICS	Executions					Response Time (ms)								Expand all groups | Collapse all groups
Requests ▲	Total ⬍	OK ⬍	KO ⬍	% KO ⬍	Req/s ⬍	Min ⬍	50th pct ⬍	75th pct ⬍	95th pct ⬍	99th pct ⬍	Max ⬍	Mean ⬍	Std Dev ⬍
Global Information	7575	7575	0	0%	37.5	51	423	609	875	1476	2071	463	274
Get token	386	386	0	0%	1.911	51	254	355	454	464	493	250	125
Check Token	2182	2182	0	0%	10.802	51	255	356	455	466	629	258	129
Get product by id	2612	2612	0	0%	12.931	106	512	658	821	909	1076	519	183
Get all products	599	599	0	0%	2.965	113	519	663	820	911	921	522	183
Get prod...rom cart	1410	1410	0	0%	6.98	108	513	659	857	912	932	525	185
Add product to cart	311	311	0	0%	1.54	474	1318	1474	1721	1940	2071	1299	281
Checkout	75	75	0	0%	0.371	111	518	659	836	890	911	535	190

7. Related artifacts

Gatling report see in folder: Stress