

LOAD TESTING REPORT

Test objectives

Performance testing was conducted on www.deezer.com/en/ for the purposes of determining the baseline performance.

General test conditions

Testing activities was performed on actual working production configuration.

User scenario consists of next actions:

- Login
 - Navigating to www.deezer.com/en/
 - Login action
- Search for artist
- Select random album
- Play all tracks from album

Login is executed only once for all concurrent users.

Test was run with 50 of concurrent users with gradually increasing during 5 minutes. The overall time of test is 15 minutes.

Test results

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Max	Error %	Throughput /sec
Open Login Page	50	1139	1125	1184	1237	1352	1073	1352	0,00%	0,16943
Login action	50	3863	3779	4202	4251	4636	3492	4636	0,00%	0,16655
Search artist	2480	1264	1260	1485	1578	1766	694	4748	0,00%	2,78375
Select Album	2463	1778	1761	2762	2933	3193	420	11671	0,00%	2,77667
Play tracks	2447	1574	1503	2757	3101	4541	364	14671	0,00%	2,77406

Conclusion

The goal of load testing was successfully achieved. An Apache Jmeter script was created. During the test there were no errors at all. Almost all transactions except Login was within the permissible norm. Login transaction 90th line is 4202 ms. This is still acceptable but can be improved to increase user's satisfaction. It also hard to analyze Play tracks transaction because we can't predict number of tracks in album and it differs in each thread and loop.

Overall, system is working fine under conducted load. More tests should be done to check how system works under higher load.

