|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№ of threads** | **№ of tries** | **Uptime, mins** | **Pages in order of appearing in «2-step» test** | | | | | | **Resources needed** | |
| 1. Login | 2. Exalt (homepage) | 3. Param. search | 4. Generate quote | 5. Contents | 6. Exalt (homepage) | RAM, Gb | Heap, Mb |
| 1 | 1 | 2 |  |  |  |  |  | 1 | 0.4 | 15 |
| 5 | 1  2  3 |  |  |  |  |  | 1 | 5  4  5 | 1 | 25 |
| 10 | 1  2  3 | 4 |  |  | 10  10  10 |  |  |  | 2 | 60 |
| 20 | 1  2  3 | 9 | 3  1  4 | 1 | 15  19  15 |  |  | 2 | 4 | 120 |

We’ve tried to run “smoke” and “2-steps” autotests locally with different number of threads. Some of the results for “2-steps” you can see in the table (a table for “smoke” test is largely the same, so there is no need to duplicate the results). So, what do we have from this statistics – running from 1 to 5 threads on one machine gave us the most stable results, just in one case test hasn’t managed to complete, one step from finish. If we run more, 10 or 20, results are not that good. Almost all tests end up on “Parameter search page” and we get “Possibly Internet connection got interrupted on your computer” or, in some cases, even “Internal server error 500”; some stops on “Login” page with “Script on this page may be busy” error. If we monitor test console, we’ll see a growing asinkhronization between tests running and actions that take place in browsers. Apparently, we are getting a number of server and Selenium errors because pages take too long time to load, so it is a main reason for those incorrect results.

So, as one on the possible options we can suggest to you to use Digital Ocean service (<https://www.digitalocean.com/>), on which we can deploy one or several services for test running. For example, if for 20 threads we do need 4 standart servers (2 CPUs, 40GB SSD) with 2GB RAM, on each of which we will start 5 threads, simultaneously, the price of each one will be 20$/mo or 0.03$/hour.