**LOAD TESTING REPORT**

**Purpose**

This document describes testing activities performed to identify performance of [www.athome.com](http://www.athome.com) web application.

**Goal**

Goal of load testing in current iteration: get performance metrics from scenarios which are mostly accessed by users while using the application.

**Software/hardware configuration**

Testing activities are performed to production configuration of software and hardware.

**Load generator configuration**

CPU: Intel(R) Celeron(R)

RAM: 4GB

CPU speed: 1.6GHz

**Load testing tool**

Apache Jmeter 5.2.1

**Load profile**

|  |  |  |
| --- | --- | --- |
| **User type** | **Action** | **Load time**(ms) |
| Before logging in | Open main page | 7342 |
| After logging in | Open login page | 4515 |
|  | Open category page | 13657 |
| Open product page | 9957 |

**Load test type**

Scenario based actions are executed consecutively.

**Load model**

Number of concurrent users: 10

Test duration: 900s

Ramp-up: 250s

**Testing metrics**

Response time

* Average
* Median
* 90,95,99 percentile

Error rate

Throughput

**User scenario**

User scenario consists of these actions

* Navigating to [www.athome.com](http://www.athome.com)
* Signup
* Login
* Select category
* Open product list page
* Select the product

Login action is executed once at first iteration, all other actions are executed at each loop iterations.

**Test results**



**Summary**

The goal of load testing was successfully achieved. An Apache Jmeter test script was created. It sends http request according to scenario described in user scenario section of this report. User actions consists of http requests to athome.com, all other requests such as static data load, analytics requests, etc were omitted. All requests executed with 0% error rate( no errors). Response time median for actions in ms:

Open main page: 87291

Open login page: 12625

Open category page: 25533

Open product page: 42131

The worst response time is for opening main page, 87291ms. It might decrease user satisfaction level as mostly user wants less response time.