

# Magento sample test

Created the 08/25/2015, 12:01:44

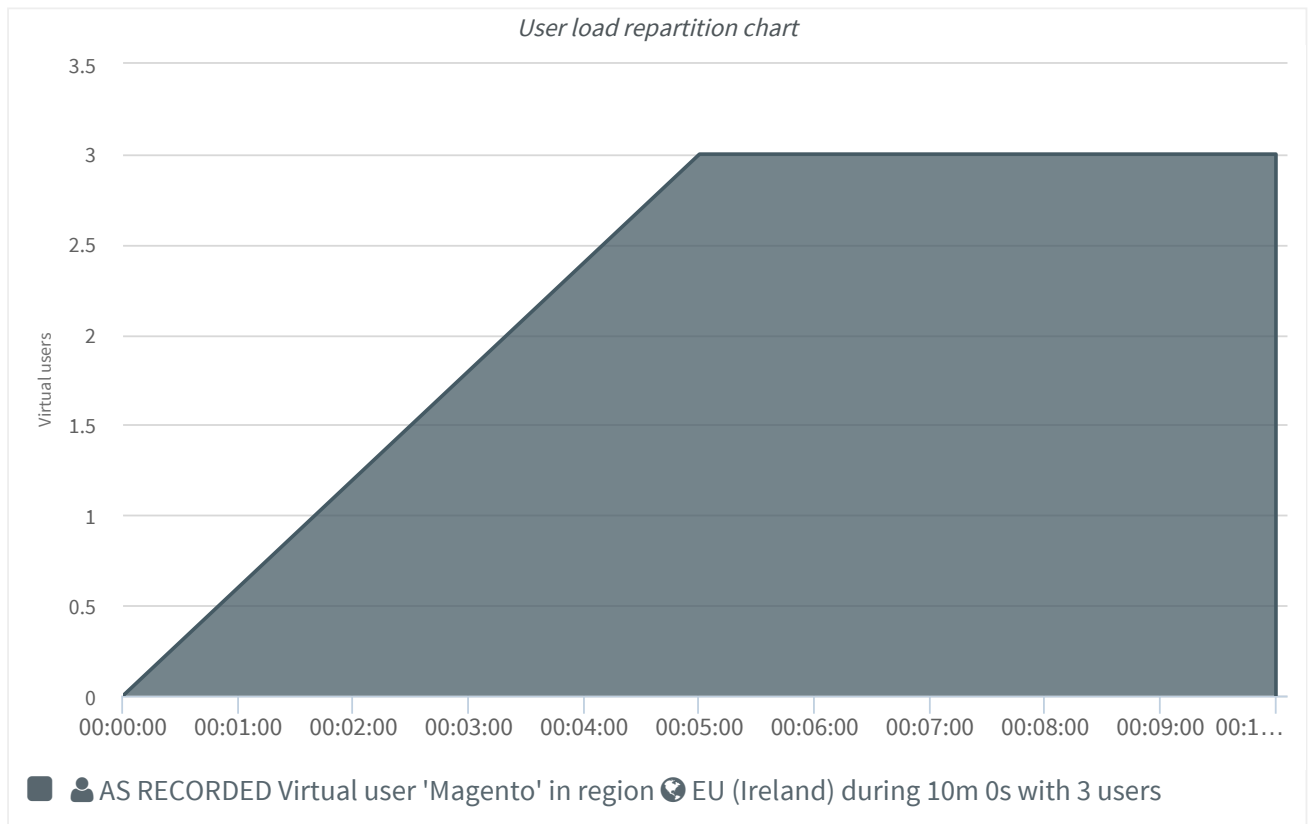
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# 1. Test Summary

This document presents the load testing report of the project: Magento - Created the 07/31/2015, 19:26:09. The test started at 08/25/2015, 12:02:14 and lasted for 10m 0s.

The user load was distributed as defined in the scenario: Untitled scenario - Created the 08/07/2015, 14:04:36.



## 2. Statistics summary

This chapter presents the global statistics summary.



Total hits  
17,030 hits



Total errors  
417 errors



Avg. response time  
0.81 sec



Latency standard deviation  
0.10 sec



Throughput rate  
606.3 kB/sec



Total throughput  
355.3 MB

# 3. Results Summary

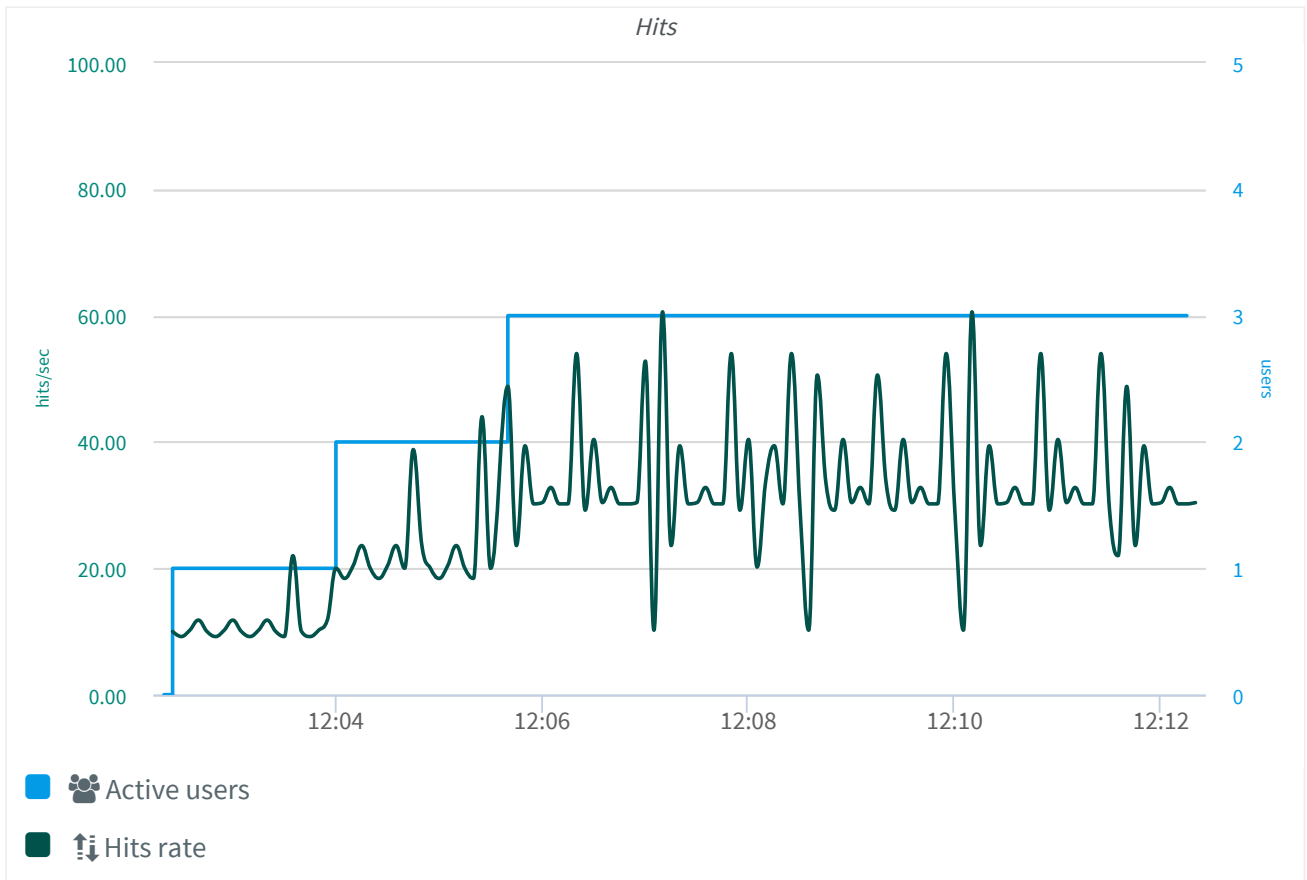
## 3.1. Hit rate and response time under load

### Quick tips :

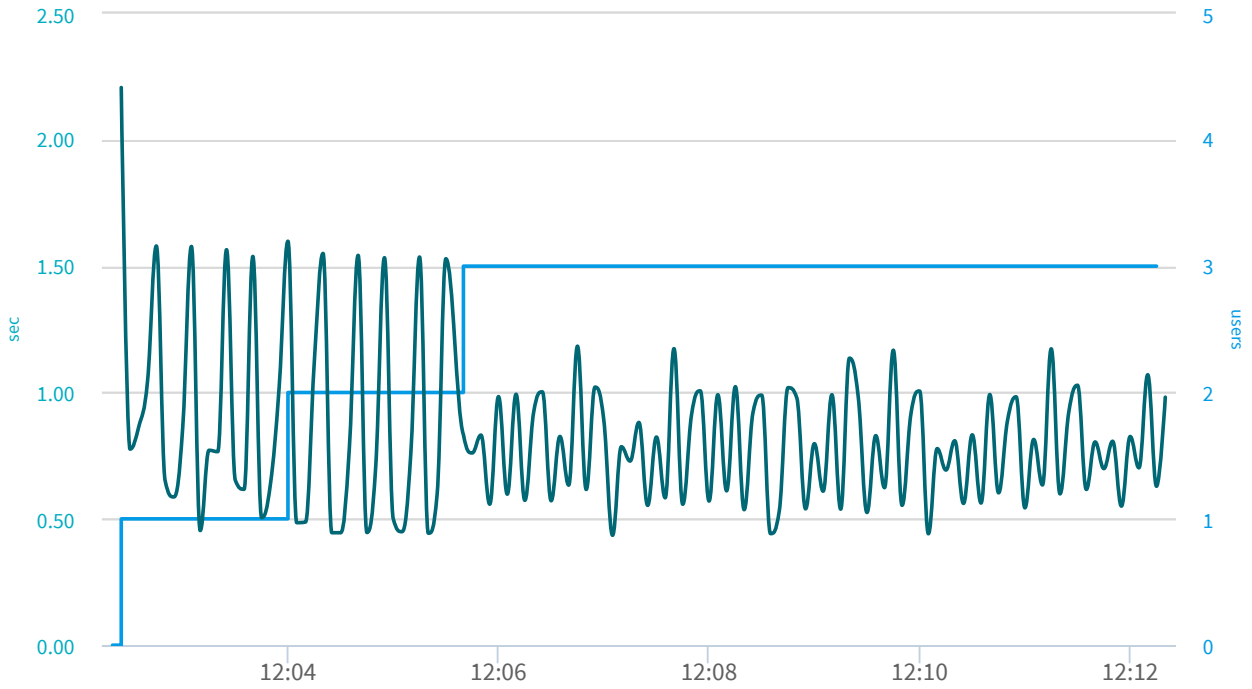
For a steady amount of users, check that the response time are inversely proportional to the hit rate.

If that's not the case it indicates an issue that you should investigate further.

For example look at the error rate and/or investigate for a server overload.

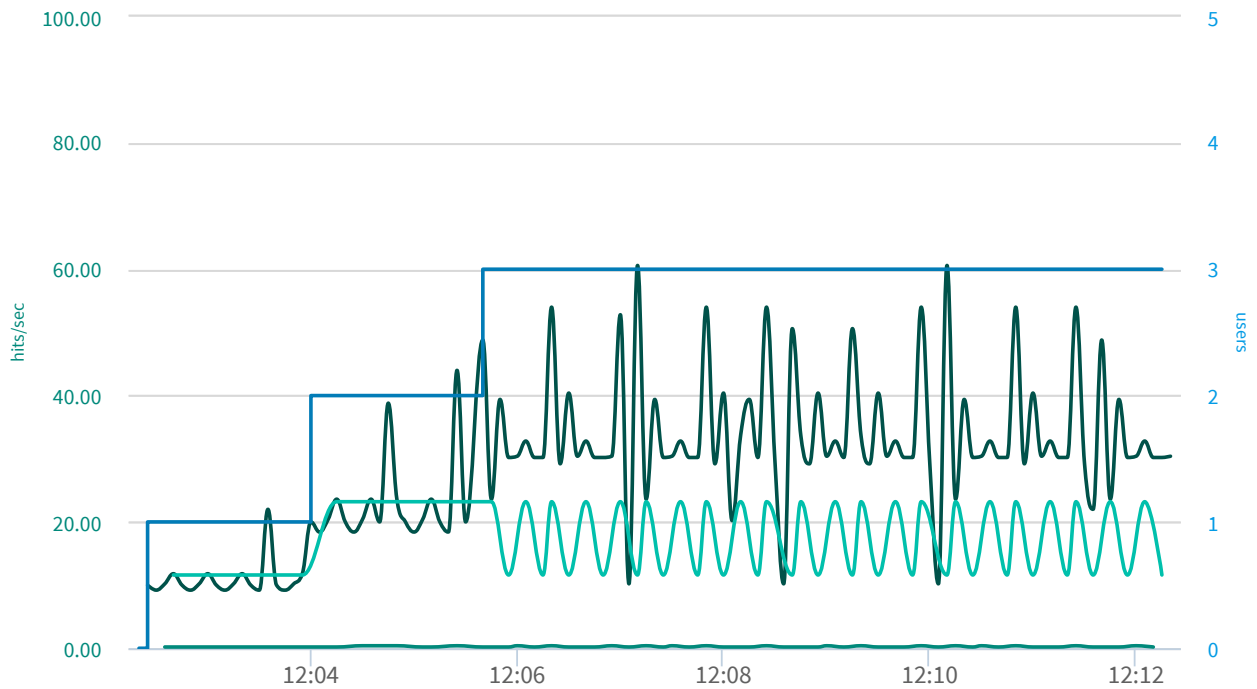


Throughput

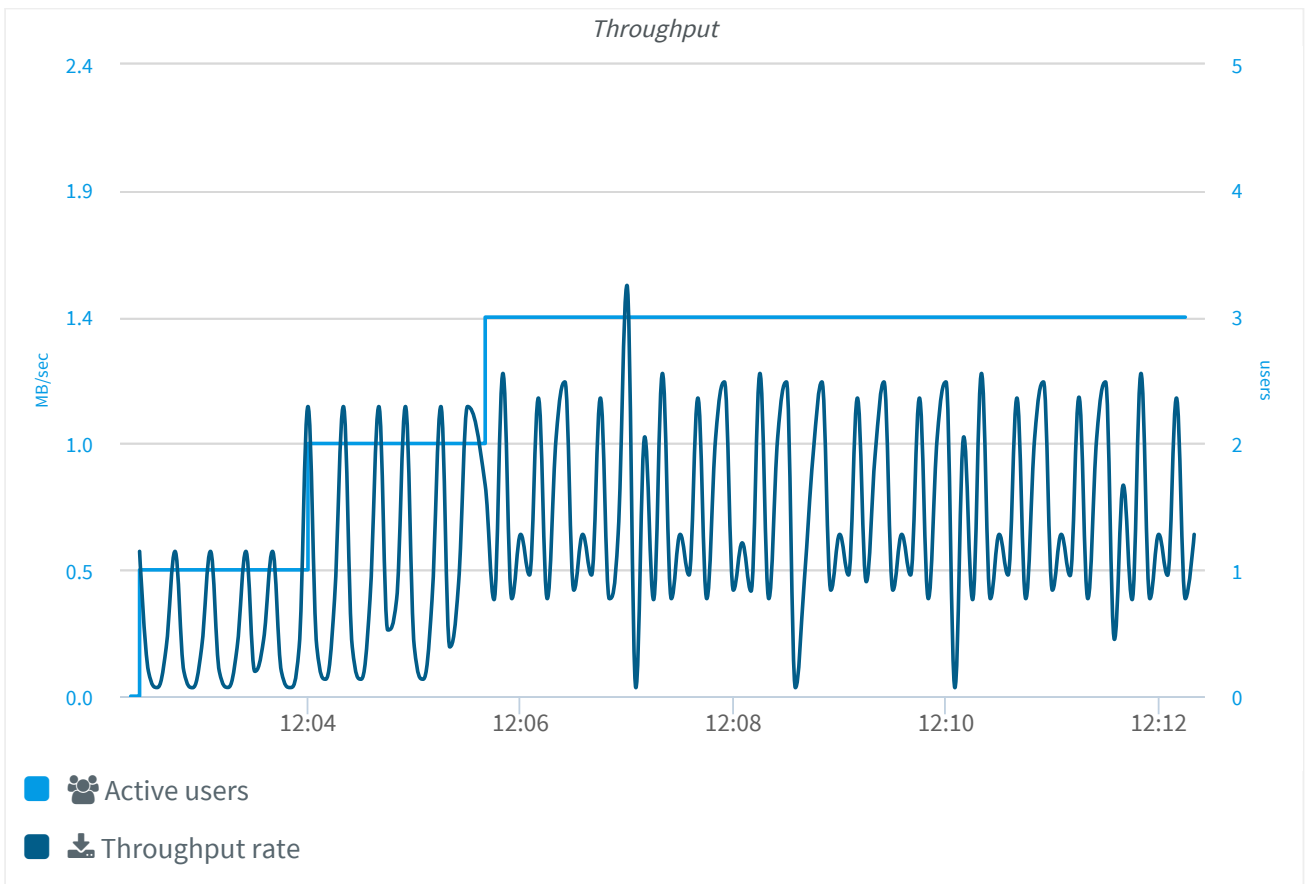


- Active users
- Avg. response time - EU (Ireland)

Hits



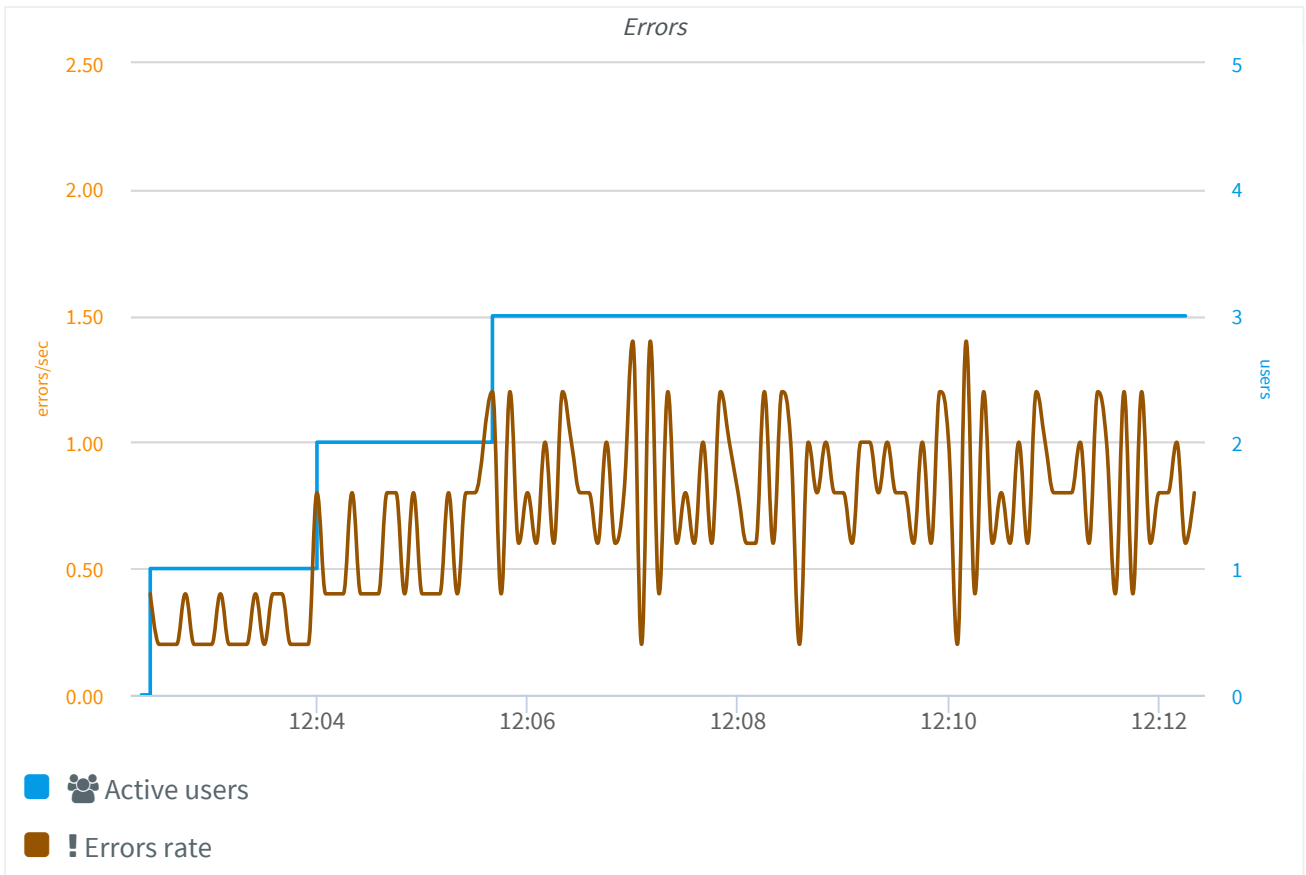
- Hits rate (Container) - CONTAINER <http://enterprise-demo.user.magentotrial.com/women/women-new-arrivals/tori-tank-546.html>
- Hits rate - VIRTUAL USER Magento
- Hits rate - RESOURCES <http://enterprise-demo.user.magentotrial.com:80/women/women-new-arrivals/tori-tank-546.html>
- Active users



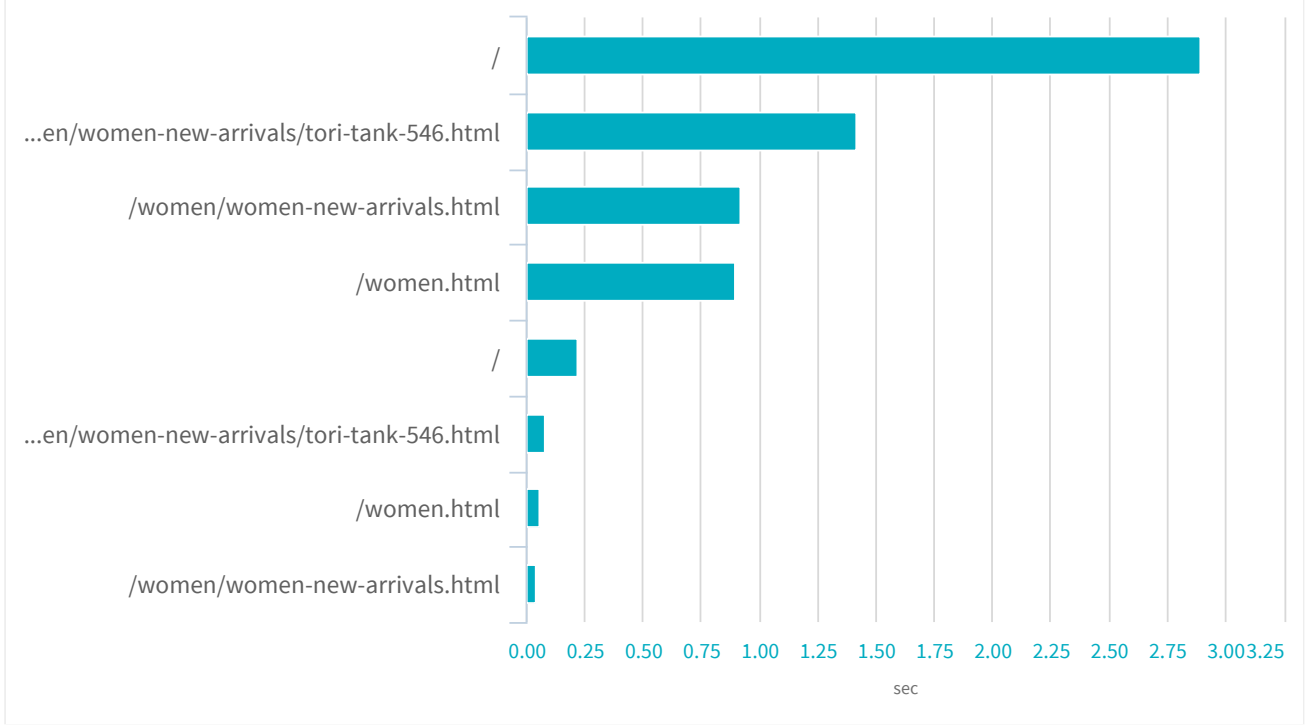
## 3.2. Error rate under load

### Quick tips :

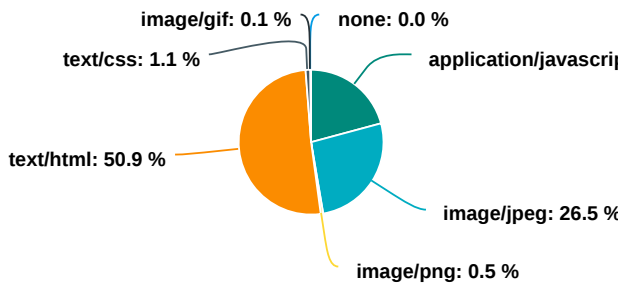
Keep in mind that even a low error rate can be problematic if all the errors occur on the same request/container.



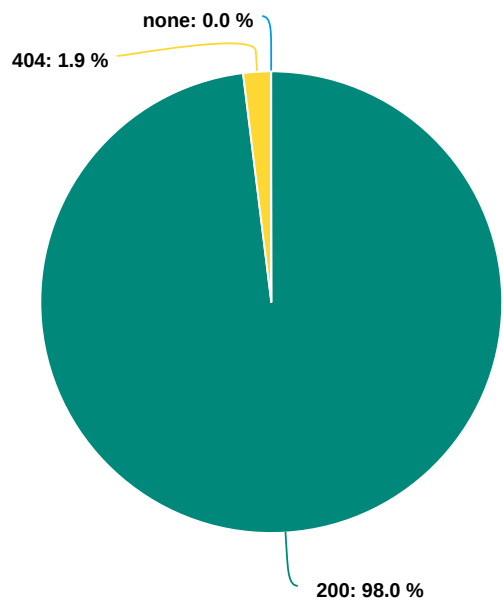
Top Response Time



Media types throughput



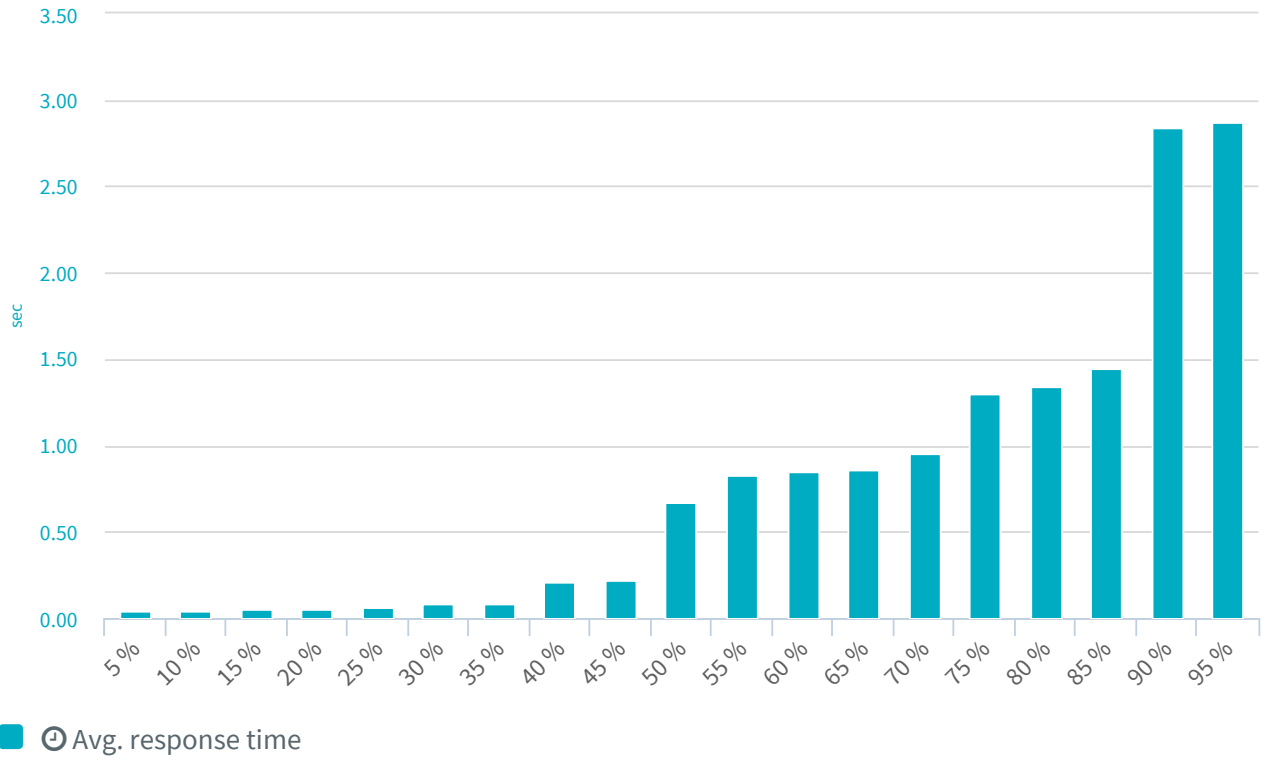
HTTP response codes



- Media types throughput
- HTTP response codes











Response Times Repartition











## 4. Results Details

This chapter presents the detailed result values and errors.

<i>Results</i>			
Action	Avg. respons...	Total hits	Total errors
 /	2.90 sec	84 hits	84 errors
 /women/women-new-arrivals/tori-tank-546.html	1.42 sec	81 hits	0 errors
 /women/women-new-arrivals.html	0.92 sec	83 hits	0 errors
 /women.html	0.90 sec	83 hits	0 errors
 /	0.22 sec	4,116 hits	84 errors
 /women/women-new-arrivals/tori-tank-546.html	0.08 sec	4,698 hits	82 errors
 /women.html	0.05 sec	3,735 hits	84 errors
 /women/women-new-arrivals.html	0.04 sec	4,150 hits	83 errors

Total Items: 8

<i>Errors</i>		
Time ▲	Action	Error
08/25/2015, 12:02:25	 /	HTTP Status code: 200 OK
08/25/2015, 12:02:28	 /	HTTP Status code: 404 Not Found
08/25/2015, 12:02:33	 /women.html	HTTP Status code: 404 Not Found
08/25/2015, 12:02:38	 /women/women-new-arrivals.html	HTTP Status code: 404 Not Found
08/25/2015, 12:02:43	 /women/women-new-arrivals/tori-tank-546.html	HTTP Status code: 404 Not Found
08/25/2015, 12:02:47	 /	HTTP Status code: 200 OK
08/25/2015, 12:02:49	 /	HTTP Status code: 404 Not Found
08/25/2015, 12:02:54	 /women.html	HTTP Status code: 404 Not Found

Total Items: 417

# Appendix

## Glossary

- **Active users/User Load:** Number of active users as defined in the load test scenario.
- **Assertions:** Count of assertions in error, failed, or successful. Assertions in error or failed lets you know that your servers did not answer as you expected.
- **Connect Time:** Time between the request and the server connection. This represents the time it took to establish the connection, including SSL handshake.
- **Containers:** Logical action which lets you group a set of requests. Usually containers correspond to a screen or web page for a better readability of the results.
- **Errors:** Count or rate of errors that occurred. Errors may happen if your virtual user is not properly designed. Otherwise, errors may be the sign that your servers are overloaded.
- **Hits:** Count or rate of hits (requests) that occurred. Hits indicate the level of load simulated to the server during the test. They should be inversely proportional to the response time.
- **HTTP Response code:** Code sent by the server indicating the status of the response to an http request. As a general rule, codes such as 1XX, 2XX and 3XX indicate a success whereas codes starting with 4XX or 5XX indicate a failure.
- **Latency:** Time between the request and the first response byte. This measures the latency from just before sending the request to just after the first response has been received. This includes all the processing to assemble the request as well as the first part of the response.
- **Percentile:** A percentile (or a centile) is a measure used in statistics indicating the value below which a given percentage of observations in a group of observations fall.
- **Response time:** Time between the request and the end of the response. Also called server response time because it does not includes the client rendering time. The response time includes both the latency and the connect time.
- **Standard deviation:** Simply the square root of the variance. It's easier to compare to other metric types using a common unit.
- **Throughput:** Bit rate in Bytes per second. Amount of data exchanged between the simulated clients and the servers.
- **Variance:** The variance quantifies the dispersion of the metric. A variance close to 0 indicates that the metric values tend to be very close to the mean, while a high variance indicates that the values are spread out over a wider range. Its unit is the square of the metric unit.