

Magento Performance Toolkit



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Magento

What does it mean to me?

- Solution Architect, Network Architect
- Hosting Provider
- Database Admin, System Admin, Magento Admin
- Developer
- Front-end developer

Magento Performance Toolkit Objectives

- To enable merchants to test the performance of their Magento installations
- To enable developers to test the performance impact of their Magento customizations
- To enable performance testing across the Magento ecosystem

More Objectives

- To enable the comparison of these performance tests (Benchmarking)
- To provide commonly used methods, scenarios, and terminology to describe testing activities
- “Performance Test Guidelines” whitepaper coming soon...

What tools do you use today?

- Siege
- Neoload
- Gatling
- Apache jMeter

Front-end testing

- Selenium
- SaaS APM tool (New Relic Real User Monitoring)
- WebPageTest.org

Magento Performance Toolkit, How To

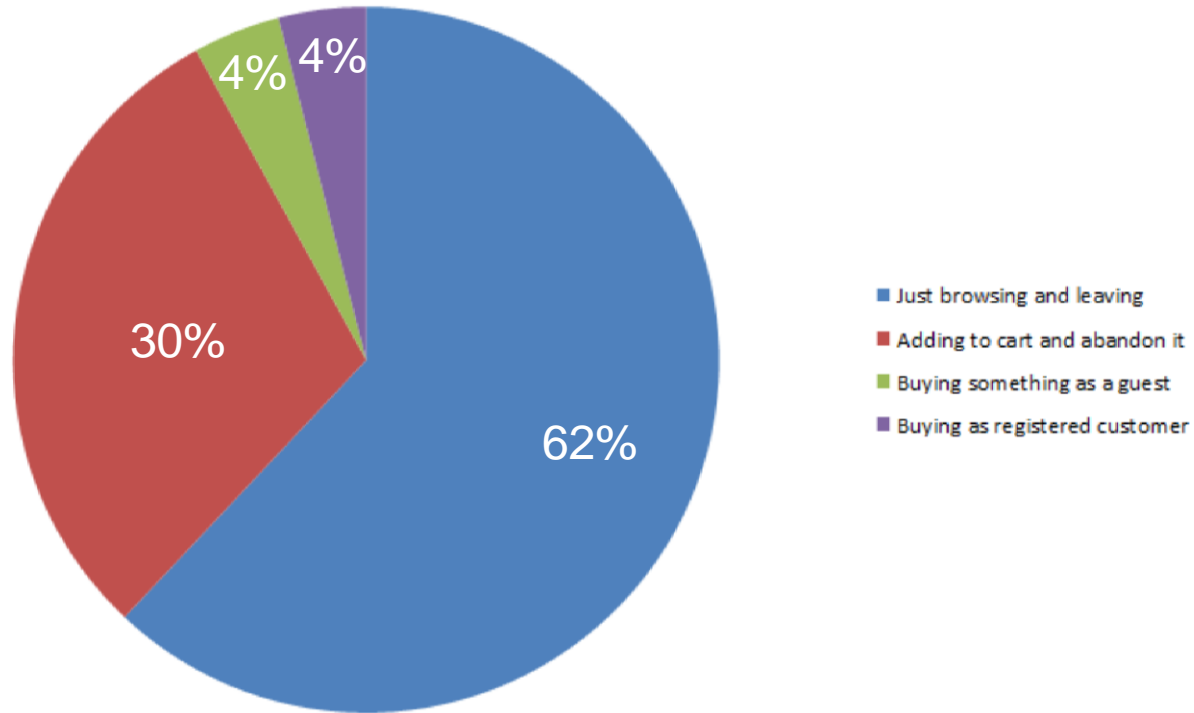
1. Install a fresh Magento instance on your test server
2. Install jMeter on your load generator
3. Install jMeter plugins on your load generator
4. Copy performance toolkit files
5. ***Generate.php***
6. ***Benchmark.jmx***

Magento Performance Toolkit

- Magento test instance
- Database profile
- Traffic profile
- Reproducible test

Magento Shopper Scenarios

Typical Magento store visitors behavior



Magento Performance Toolkit Variables

Test Protocol

Load Generator

Merchant Traffic Profile

Reference Store

Magento Platform

Environment (Software)

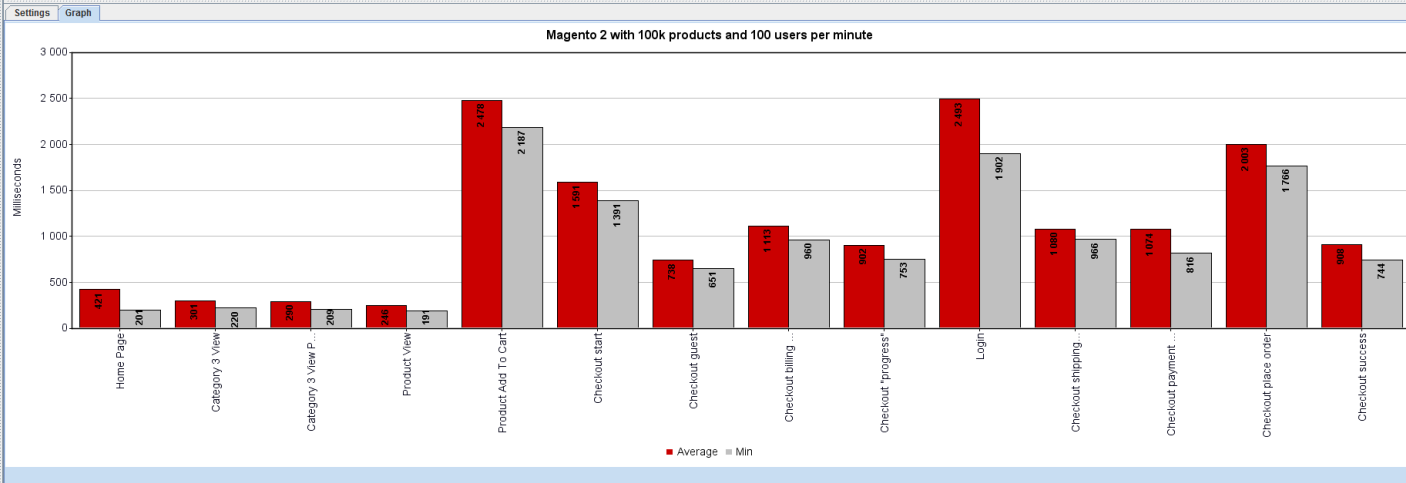
Environment (Hardware)

Reference System Architecture

Benchmark.jmx

Label	# Samples	Average
Home Page	2222	421
Category 3 View	2222	301
Category 3 View Page 2	2222	290
Product View	2222	246
Product Add To Cart	1571	2478
Checkout start	110	1591
Checkout guest	66	738
Checkout billing addresses	88	1113
Checkout "progress"	264	902

Label	# Samples	Average	Median	Min	Max	90%	95%	99%	99.9%
Home Page	2222	421							
Category 3 View	2222	301							
Category 3 View Page 2	2222	290							
Product View	2222	246							
Product Add To Cart	1571	2478							
Checkout start	110	1591							
Checkout guest	66	738							
Checkout billing addresses	88	1113							
Checkout "progress"	264	902							
Login	44	2493							
Checkout shipping method	88	1080							
Checkout payment method	88	1074							
Checkout place order	88	2003							
Checkout success	88	908							



Where do I get it?

- Magento 1.x Beta
 - <http://github.com/magento/magento-performance-toolkit>
- Magento 2.x Beta
 - <http://github.com/magento/magento2/>
 - /dev/tools/performance_toolkit