

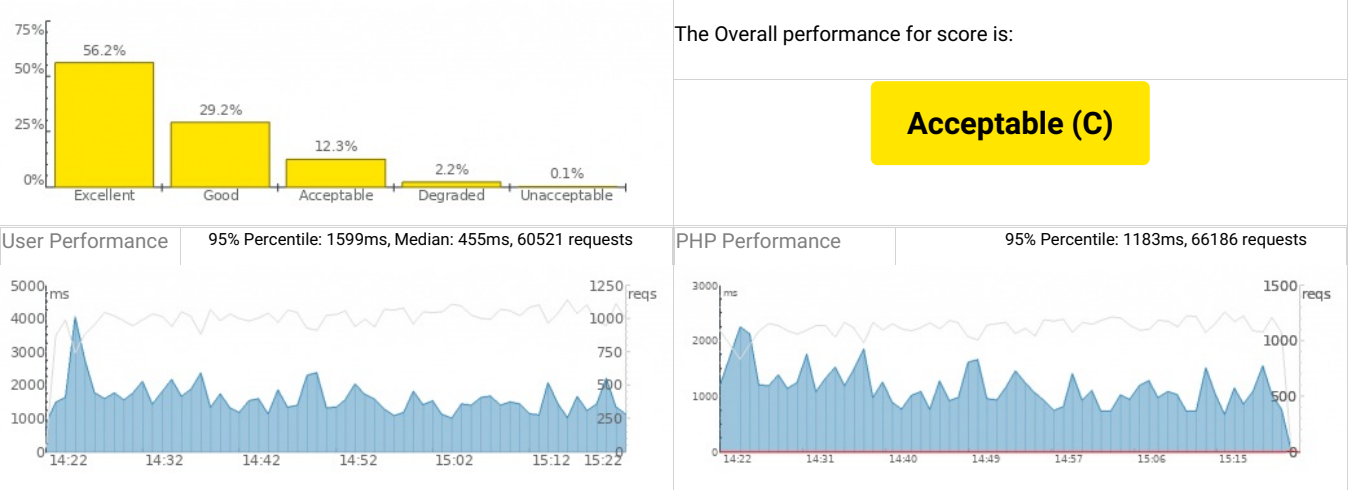
Shopware 6 Benchmark

Scenario: 50% Guests, 5% Conversion Rate

Hardware: DigitalOcean, App Server, 4 Cores, 8 GB RAM, SSD, MySQL 2 Cores, 4 GB RAM



Overall



Key Results With 40 concurrent threads

156	976	1599ms	14,278	840
Orders/Hour	Requests/Minute	95% Response Times	Products	Categories

Page Performance Summary

Page	Score	User Performance			PHP Performance	
		Median	95% Perc.	Requests	95% Perc.	Requests
Overall	Acceptable (C)	455ms	1599ms	60521	1183ms	66186
Browsing						
Homepage	Acceptable (C)	739ms	1743ms	323	1991ms	1701
Product Details Page	Acceptable (C)	599ms	1455ms	8401	1351ms	7671
Category Page	Acceptable (C)	539ms	1639ms	4480	1671ms	2725
Category Page Filter	Acceptable (C)	477ms	1095ms	4059	963ms	2781
Search	Acceptable (C)	687ms	1735ms	2803	1735ms	2270
Search Suggestions	Good (B)	429ms	991ms	8115	1031ms	1231
Cart						
Cart Info Widget	Good (B)	297ms	767ms	18743	675ms	18611
Add Item To Cart	Degraded (D)	1103ms	2303ms	721	835ms	708
Cart Page	Acceptable (C)	607ms	1279ms	163	1159ms	160
Checkout						
Checkout Register Page	Good (B)	375ms	739ms	62	643ms	61
Confirm Order Page	Acceptable (C)	515ms	1047ms	163	963ms	221
Order	Degraded (D)	1527ms	2751ms	163	1671ms	161
Account Management						
Register Page		ms	ms		0ms	0
Register	Degraded (D)	1047ms	2335ms	62	1223ms	61
Login	Degraded (D)	1407ms	2879ms	4845	1351ms	4774

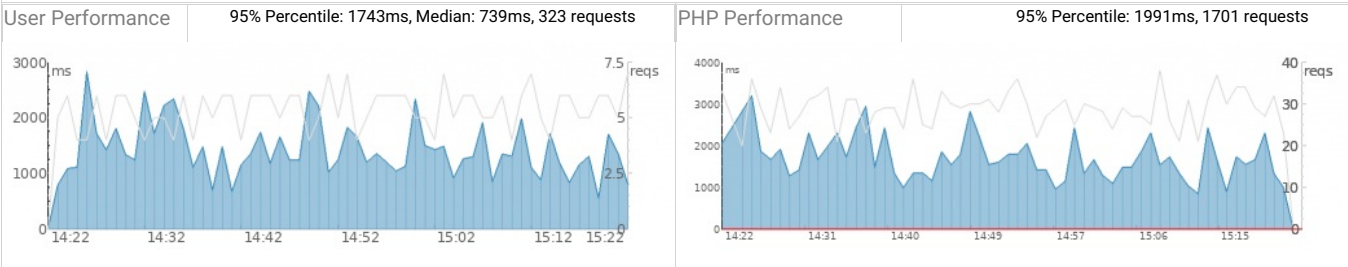
Scenario Configuration

The following options were configured for the benchmarking scenario:

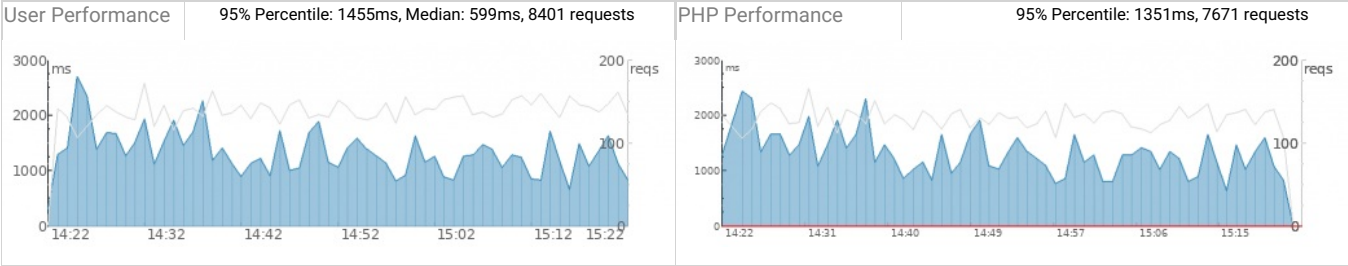
Duration	60m	How long was this scenario run.
Concurrent Threads	40	How many concurrent users are simulated in this benchmark. Each concurrent user is performing a break of 1 second between each click/action and waits for a few seconds before starting again.
Share of Browsing Users	90%	Percentage of users that are browsing categories, products, searching.
Guests	50%	
Users with existing accounts	50%	
Users with new accounts	0%	
Share of Converting Users	5%	Percentage of users that are buying products.
Guest Checkout Ratio	50%	
Purchasers with existing accounts	25%	
Purchasers creating new accounts	25%	
Share of Abandoning Cart Users	5%	Percentage of users that are abandoning their cart with products in them.
Shopware Version	6.4.7.0	
PHP Version	8.0	

Performance of Browsing

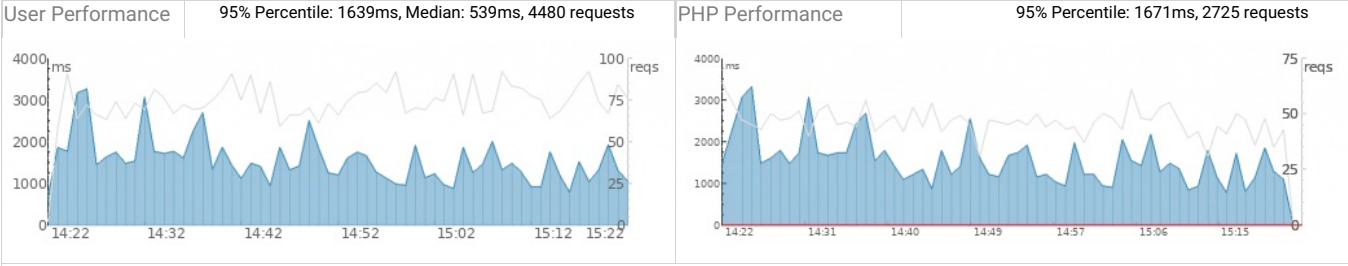
Homepage



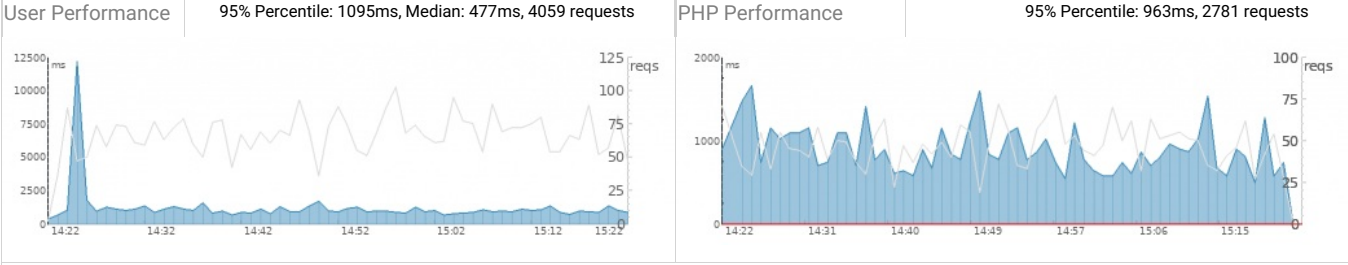
Product Details Page



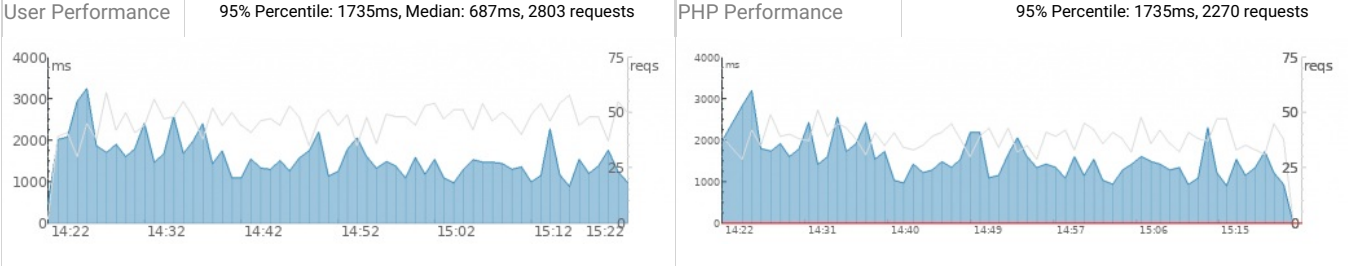
Category Page



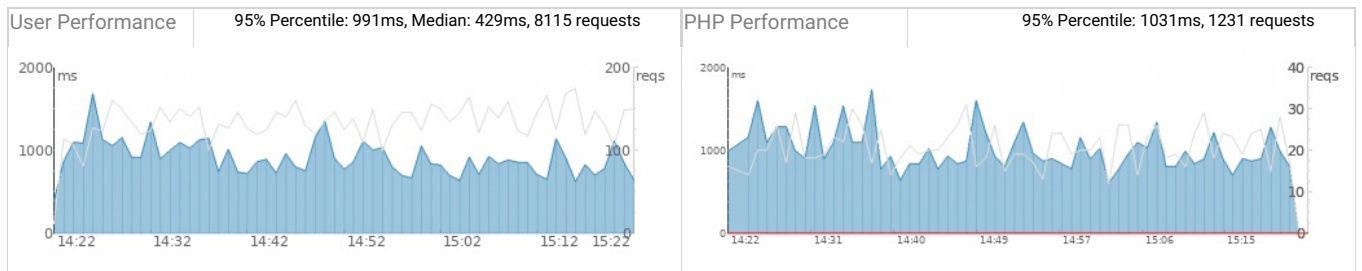
Category Page Filter



Search

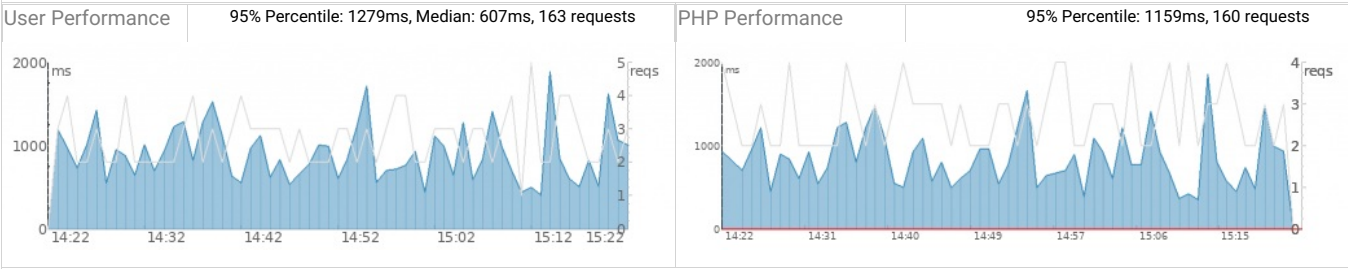


Search Suggestions

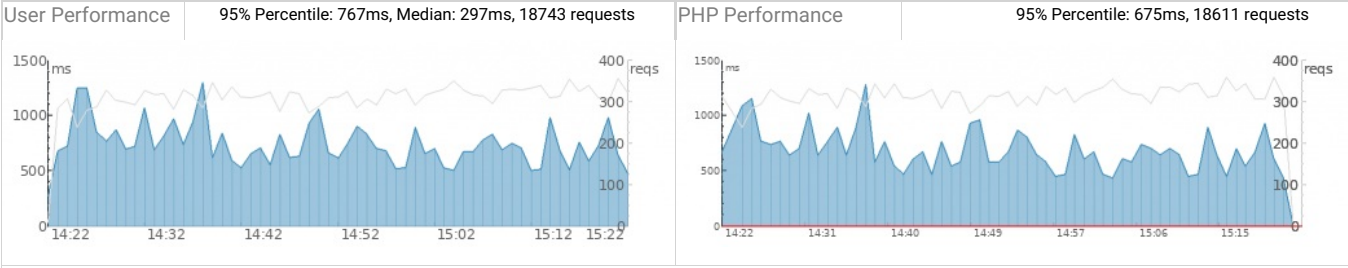


Performance of Cart

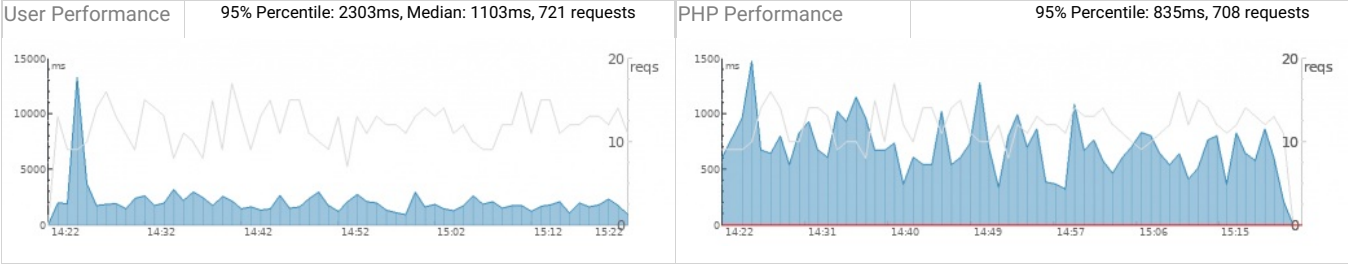
Cart Page



Cart Info Widget

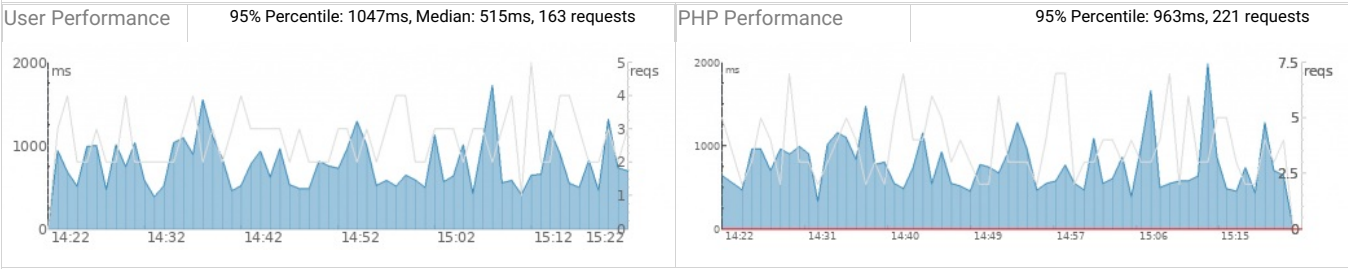


Add Item To Cart

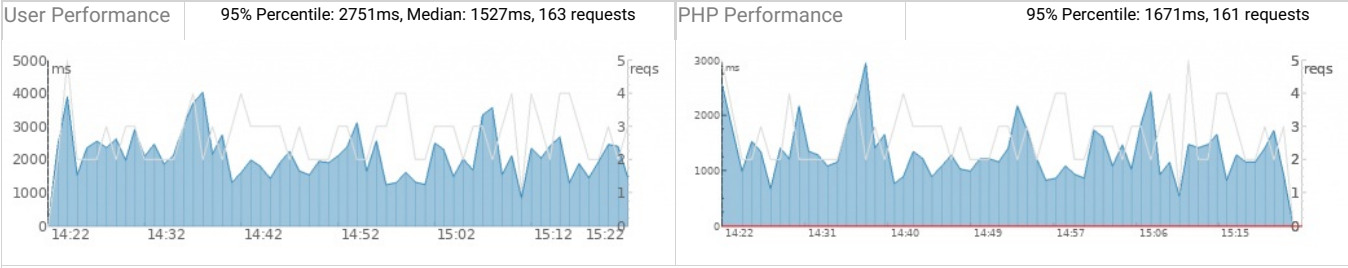


Performance of Checkout

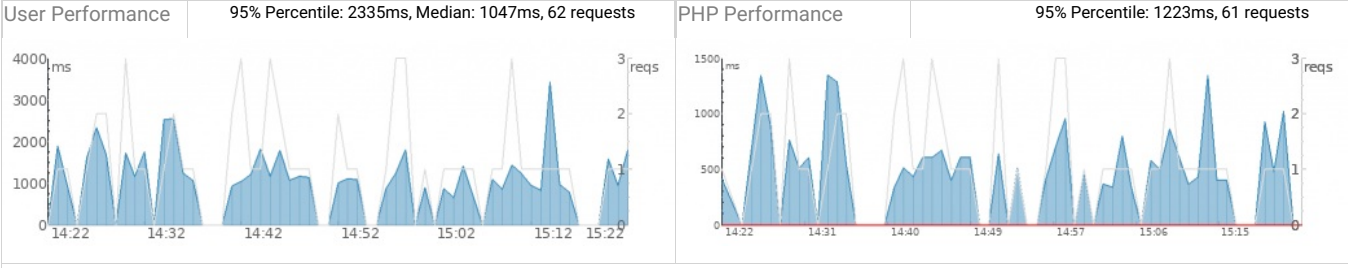
Confirm Order Page



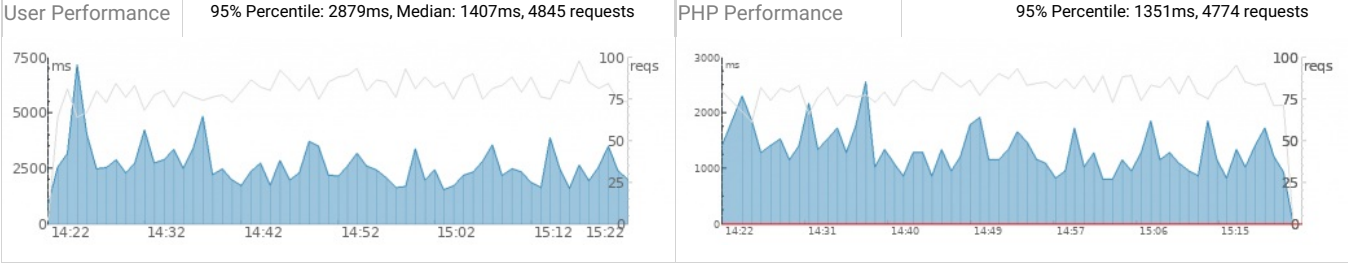
Order



Register



Login



Slowest Traces

This list contains the slowest trace for each page/operation that was collected by Tideways during the benchmark.

2987 ms	Shopware\Storefront\Controller\ProductController::index	10.02, 15:21
20.1 MB	200 GET shopware-demo.tideways.io/Ergonomic-Silk-Bug-Eyes/08e8a1cd48dc49f7add80c1e5e1a9d15/	
3055 ms	Shopware\Storefront\Controller\NavigationController::index	10.02, 14:39
19.5 MB	200 GET shopware-demo.tideways.io/Outdoors-Home/Games-Electronics-Jewelry/Computers-Books/Movies-Beauty-Tools/Sports-Computers//	
1613 ms	Shopware\Storefront\Controller\CmsController::category	10.02, 14:27
12 MB	200 GET shopware-demo.tideways.io/widgets/cms/navigation/c3dd0c43442442a99964a2460e68376e/	
913 ms	Shopware\Storefront\Controller\CartItemController::addLineItems	10.02, 15:18
11.6 MB	302 POST shopware-demo.tideways.io/checkout/line-item/add/	
701 ms	Shopware\Storefront\Controller\CheckoutController::cartPage	10.02, 14:38
19.1 MB	200 GET shopware-demo.tideways.io/checkout/cart/	
1990 ms	Shopware\Storefront\Controller\CheckoutController::info	10.02, 14:39
16.1 MB	200 GET shopware-demo.tideways.io/widgets/checkout/info/	
2495 ms	Shopware\Storefront\Controller\NavigationController::home	10.02, 14:26
23.7 MB	200 GET shopware-demo.tideways.io//	
2942 ms	Shopware\Storefront\Controller\SearchController::search	10.02, 14:29
25.4 MB	200 GET shopware-demo.tideways.io/search/	
1627 ms	Shopware\Storefront\Controller\SearchController::ajax	10.02, 14:36
15.2 MB	200 GET shopware-demo.tideways.io/widgets/search/	
949 ms	Shopware\Storefront\Controller\RegisterController::register	10.02, 15:00
13.1 MB	302 POST shopware-demo.tideways.io/account/register/	
291 ms	Shopware\Storefront\Controller\RegisterController::checkoutRegisterPage	10.02, 15:09
16.9 MB	200 GET shopware-demo.tideways.io/checkout/register/	
2523 ms	Shopware\Storefront\Controller\AuthController::login	10.02, 14:39
13.1 MB	302 POST shopware-demo.tideways.io/account/login/	
1345 ms	Shopware\Storefront\Controller\CheckoutController::order	10.02, 14:54
16.1 MB	302 POST shopware-demo.tideways.io/checkout/order/	
1057 ms	Shopware\Storefront\Controller\CheckoutController::confirmPage	10.02, 15:03
19.5 MB	200 GET shopware-demo.tideways.io/checkout/confirm/	

Score / Legend

The score is calculated using the 95% percentile of the page or overall performance and comparing it against these thresholds:

- Excellent (A): 95% of requests have performance below 512ms
- Good (B): 95% of requests have performance below 1024ms
- Acceptable (C): 95% of requests have performance below 2048ms
- Degraded (D): 95% of requests have performance below 4096ms
- Unacceptable (F): More than 5% of requests are slower than 4096ms

Disclaimer

Only benchmarks performed against real production environment hardware, software and data will provide realistic and reliable results of future production behavior. This benchmark focuses on server-side performance from the browser and PHP point of view. The results only partially explain real user performance in the browser.

The code for this benchmark is open-source and available at <https://github.com/tideways/shopware6-benchmarking> under AGPL v3 license.