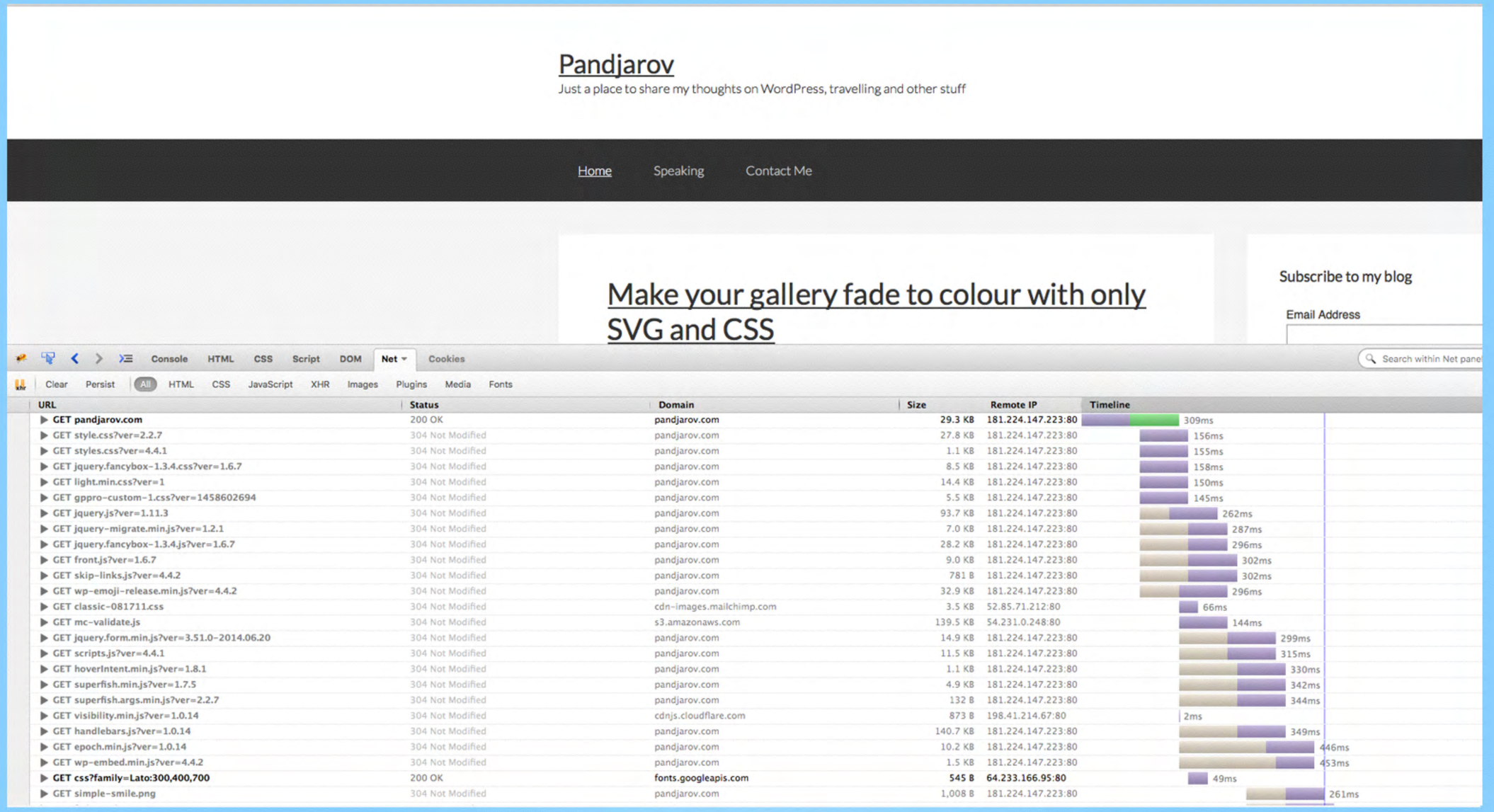
THE LATEST PERFORMANCE TECHNOLOGIES TO

SPEED UP WORDPRESS

Hristo Pandjarov - WordPress Expert at SiteGround

PART 1 BENCHMARKING


Pandjarov
Just a place to share my thoughts on WordPress, travelling and other stuff
Home
Speaking
Contact Me
Make your gallery fade to colour with only SVG and CSS
Subscribe to my blog
Email Address
Console HTML CSS Script DOM Net Cookies
Search within Net panel
Clear Persist All HTML CSS JavaScript XHR Images Plugins Media Fonts
URL Status Domain Size Remote IP Timeline
GET pandjarov.com 200 OK pandjarov.com 29.3 KB 181.224.147.223:80 309ms
GET style.css?ver=2.2.7 304 Not Modified pandjarov.com 27.8 KB 181.224.147.223:80 156ms
GET styles.css?ver=4.4.1 304 Not Modified pandjarov.com 1.1 KB 181.224.147.223:80 155ms
GET jquery.fancybox-1.3.4.css?ver=1.6.7 304 Not Modified pandjarov.com 8.5 KB 181.224.147.223:80 158ms
GET light.min.css?ver=1 304 Not Modified pandjarov.com 14.4 KB 181.224.147.223:80 150ms
GET gppro-custom-1.css?ver=1458602694 304 Not Modified pandjarov.com 5.5 KB 181.224.147.223:80 145ms
GET jquery.js?ver=1.11.3 304 Not Modified pandjarov.com 93.7 KB 181.224.147.223:80 262ms
GET jquery-migrate.min.js?ver=1.2.1 304 Not Modified pandjarov.com 7.0 KB 181.224.147.223:80 287ms
GET jquery.fancybox-1.3.4.js?ver=1.6.7 304 Not Modified pandjarov.com 28.2 KB 181.224.147.223:80 296ms
GET front.js?ver=1.6.7 304 Not Modified pandjarov.com 9.0 KB 181.224.147.223:80 302ms
GET skip-links.js?ver=4.4.2 304 Not Modified pandjarov.com 781 B 181.224.147.223:80 302ms
GET wp-emoji-release.min.js?ver=4.4.2 304 Not Modified pandjarov.com 32.9 KB 181.224.147.223:80 296ms
GET classic-081711.css 304 Not Modified cdn-images.mailchimp.com 3.5 KB 52.85.71.212:80 66ms
GET mc-validate.js 304 Not Modified s3.amazonaws.com 139.5 KB 54.231.0.248:80 144ms
GET jquery.form.min.js?ver=3.51.0-2014.06.20 304 Not Modified pandjarov.com 14.9 KB 181.224.147.223:80 299ms
GET scripts.js?ver=4.4.1 304 Not Modified pandjarov.com 11.5 KB 181.224.147.223:80 315ms
GET hoverIntent.min.js?ver=1.8.1 304 Not Modified pandjarov.com 1.1 KB 181.224.147.223:80 330ms
GET superfish.min.js?ver=1.7.5 304 Not Modified pandjarov.com 4.9 KB 181.224.147.223:80 342ms
GET superfish.args.min.js?ver=2.2.7 304 Not Modified pandjarov.com 132 B 181.224.147.223:80 344ms
GET visibility.min.js?ver=1.0.14 304 Not Modified cdnjs.cloudflare.com 873 B 198.41.214.67:80 2ms
GET handlebars.js?ver=1.0.14 304 Not Modified pandjarov.com 140.7 KB 181.224.147.223:80 349ms
GET epoch.min.js?ver=1.0.14 304 Not Modified pandjarov.com 10.2 KB 181.224.147.223:80 446ms
GET wp-embed.min.js?ver=4.4.2 304 Not Modified pandjarov.com 1.5 KB 181.224.147.223:80 453ms
GET css?family=Lato:300,400,700 200 OK fonts.googleapis.com 545 B 64.233.166.95:80 49ms
GET simple-smile.png 304 Not Modified pandjarov.com 1,008 B 181.224.147.223:80 261ms

FIREBUG

GTmetrix Features Resources GTmetrix PRO We're Hiring! Log In Sign Up

Analyze your site's speed and make it faster.

GTmetrix gives you insight on how well your site loads and provides actionable recommendations on how to optimize it.

Enter URL to Analyze... Analyze

Latest News
View Changes

Pushed out some fixes for Chrome on our Vancouver test servers. These were some tricky bugs to track down!
March 17, 2016

Located in Vancouver, BC and want to help make GTmetrix even better? We're hiring! https://t.co/WlXpJW2rc3
March 9, 2016

Over 100 million pages have been tes launched 6 years ago!
February 17, 2016

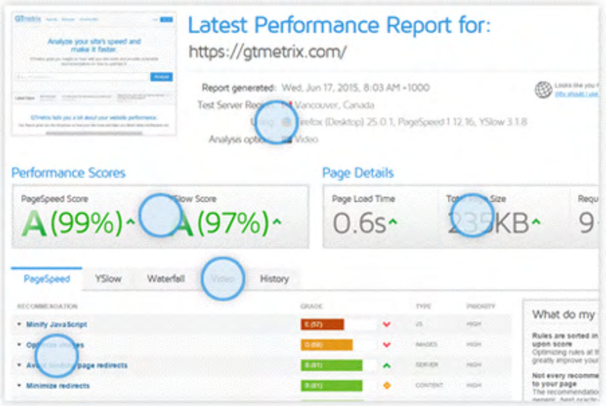
GTmetrix tells you a lot about your website performance.

Our Report gives you the full picture on how your site loads and helps you detect where bottlenecks are.

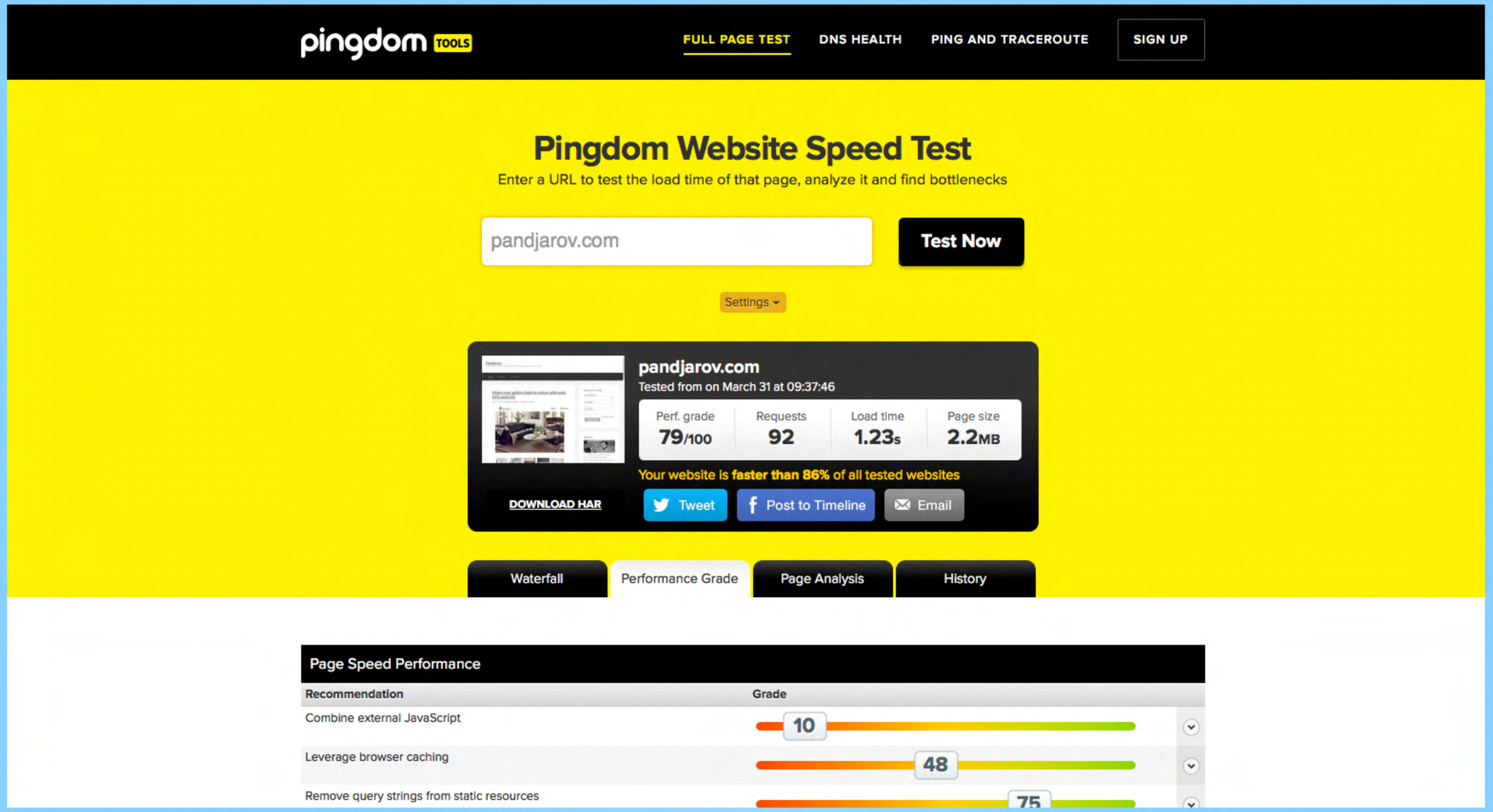
Key features include:

- PageSpeed and YSlow scores and Recommendations
- Page Load Details (time, size, number of requests)
- Various Analysis Options
- Waterfall, Video and Report History

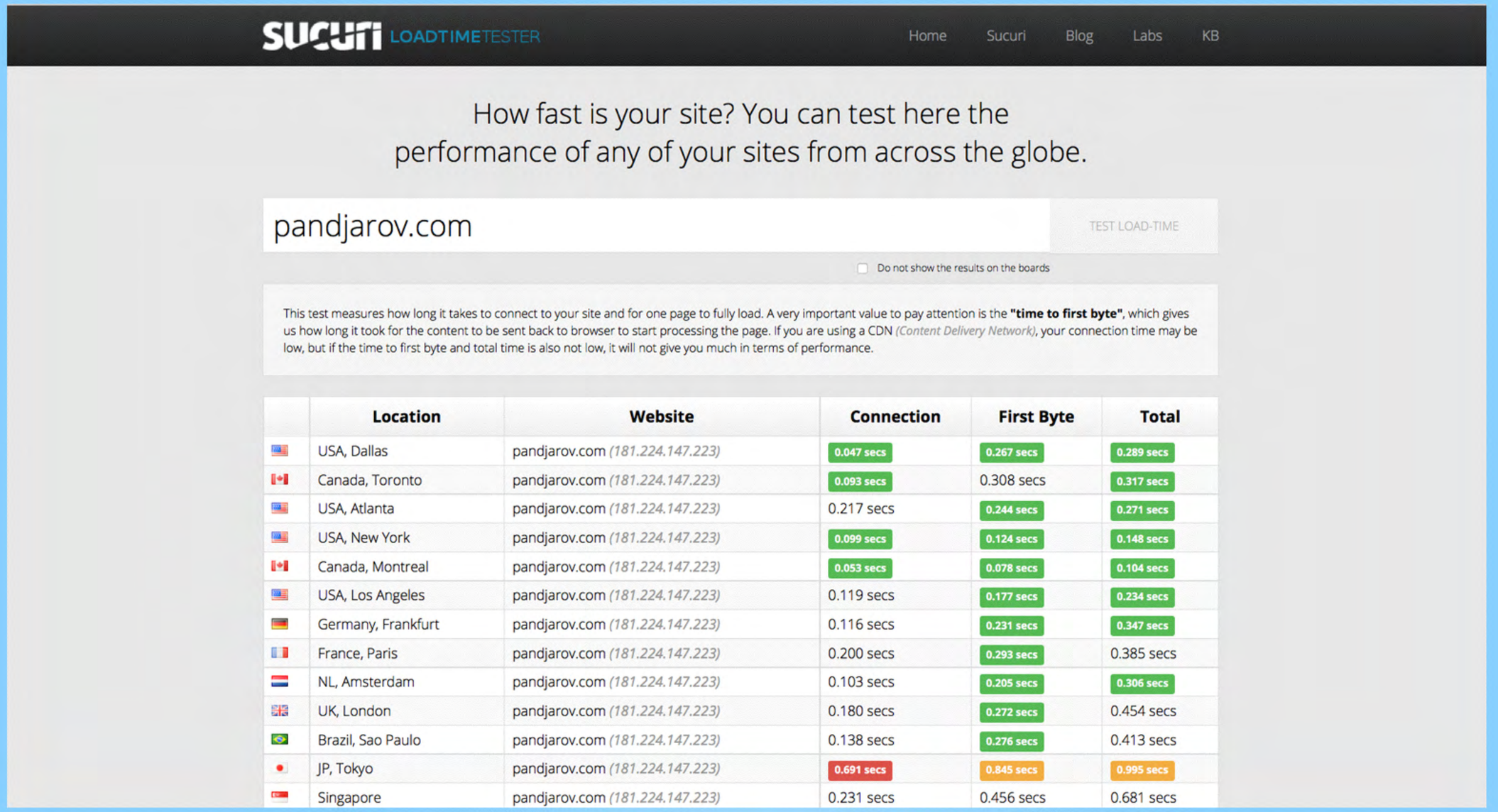
See more features



GTMETRIX



PINGDOM TOOLS



	Location	Website	Connection	First Byte	Total
	USA, Dallas	pandjarov.com *(181.224.147.223)*	0.047 secs	0.267 secs	0.289 secs
	Canada, Toronto	pandjarov.com *(181.224.147.223)*	0.093 secs	0.308 secs	0.317 secs
	USA, Atlanta	pandjarov.com *(181.224.147.223)*	0.217 secs	0.244 secs	0.271 secs
	USA, New York	pandjarov.com *(181.224.147.223)*	0.099 secs	0.124 secs	0.148 secs
	Canada, Montreal	pandjarov.com *(181.224.147.223)*	0.053 secs	0.078 secs	0.104 secs
	USA, Los Angeles	pandjarov.com *(181.224.147.223)*	0.119 secs	0.177 secs	0.234 secs
	Germany, Frankfurt	pandjarov.com *(181.224.147.223)*	0.116 secs	0.231 secs	0.347 secs
	France, Paris	pandjarov.com *(181.224.147.223)*	0.200 secs	0.293 secs	0.385 secs
	NL, Amsterdam	pandjarov.com *(181.224.147.223)*	0.103 secs	0.205 secs	0.306 secs
	UK, London	pandjarov.com *(181.224.147.223)*	0.180 secs	0.272 secs	0.454 secs
	Brazil, Sao Paulo	pandjarov.com *(181.224.147.223)*	0.138 secs	0.276 secs	0.413 secs
	JP, Tokyo	pandjarov.com *(181.224.147.223)*	0.691 secs	0.845 secs	0.995 secs
	Singapore	pandjarov.com *(181.224.147.223)*	0.231 secs	0.456 secs	0.681 secs

SUCURI PERFORMANCE

SPIRENT BLITZ

Why Blitz | Services | Pricing | Blog | Sign In

Blitz Docs

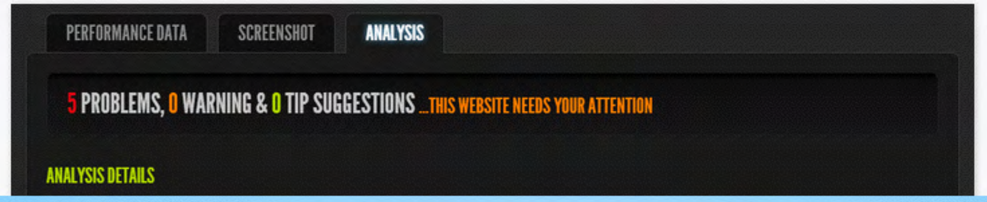
- Overview
- Sprinting
- Rushing
- **Performance**
  - Basics
  - Results
- Analytics
- Variables
- Ruby Gem
- Clients
- Browser Add-ons
- Partners

Performance | Results

Blitz provides performance results of containing rich diagnostic information, so you can understand the end user experience and track performance of individual HTML components such as CSS, JavaScript and images.

The results include the performance data – containing waterfall charts of resource loading, status and response times for all components.

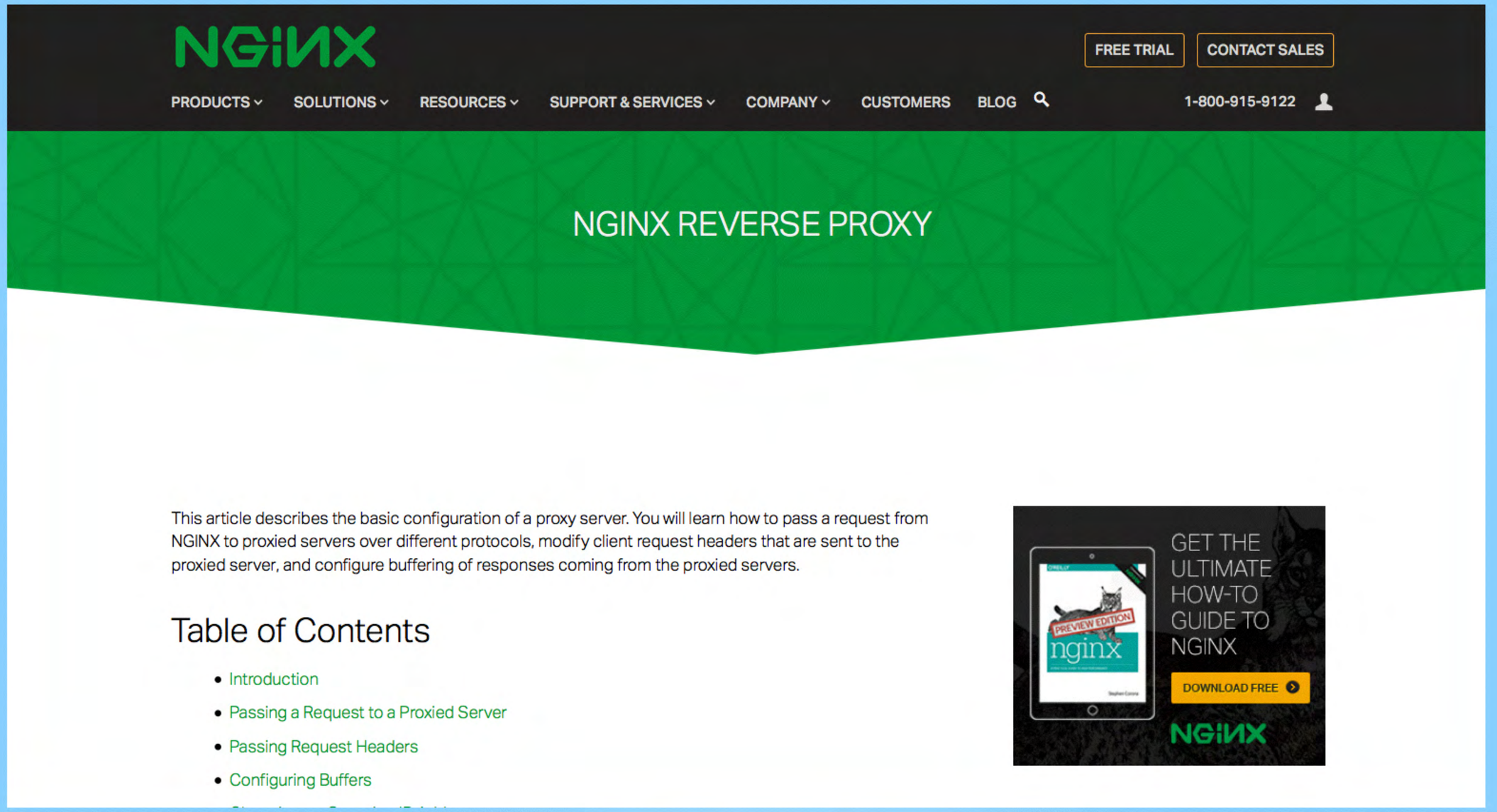
You can also check a detailed analysis with descriptions of problems found and suggestions for remediation.



BLITZ.IO

PART2

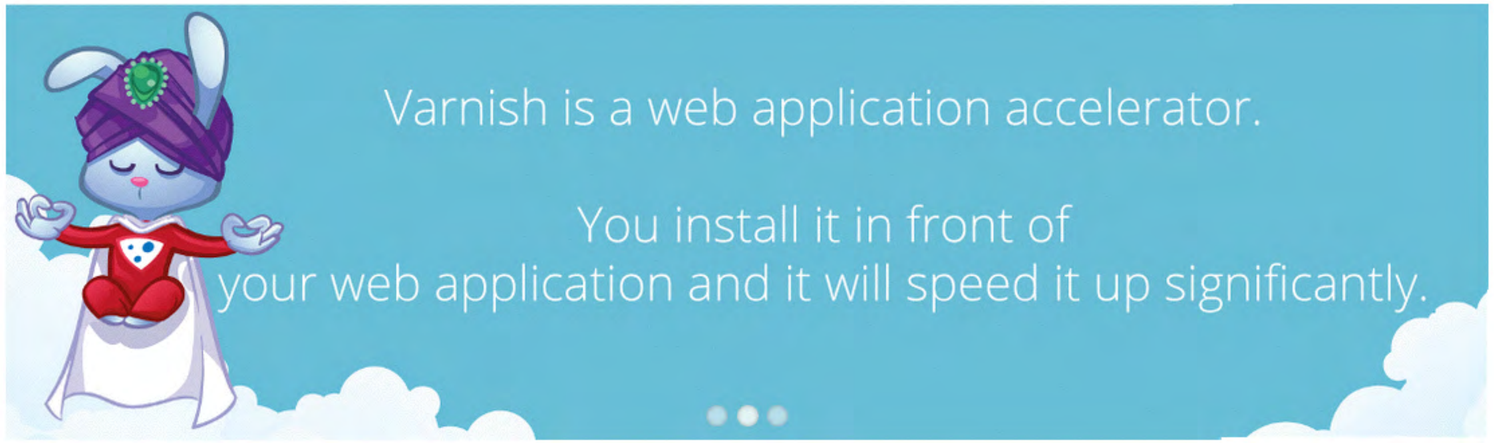
SERVER-SIDE



NGINX REVERSE PROXY

Support Download VMODs Utilities

Home



Releases

Varnish Cache 4.1.2
Mon, 2016-03-07 14:40

Varnish Cache 4.1.1
Thu, 2016-01-28 12:52

Varnish Cache 4.1.0
Wed, 2015-09-30 16:09

All releases

Twitter

spf13
RT @ruben_varnish: @ruben_varnish @varnishcache I could test a new theme within 5

Events

Apr 21st 9:00 to 16:00 — **Varnish Summit Copenhagen**
Carlsberg Museum & Business Centre, Valby Langgade 1, 2500 København, Denmark

Apr 21st 19:00 to 21:30 — **User meeting Varnish + eZ Publish**
Mobiskill, 43 rue Beaubourg, Paris

May 11th 9:00 — **Varnish Summit Sydney**
Sydney, Australia

May 13th 9:00 — **Varnish Summit Auckland**

Planet Varnish

Varnish needs YOU! Varnish User Survey 2016

10 March, 2016 ruben@varni.sh (Rubén Romero)

Varnish Cache relies on community input and needs and wants to hear from you. We invite...

#varnish10years - "Swiss Army Knife of HTTP" winners are...

8 March, 2016 Rubén Romero

Varnish Cache is celebrating its 10th anniversary this year, and as a part of the...

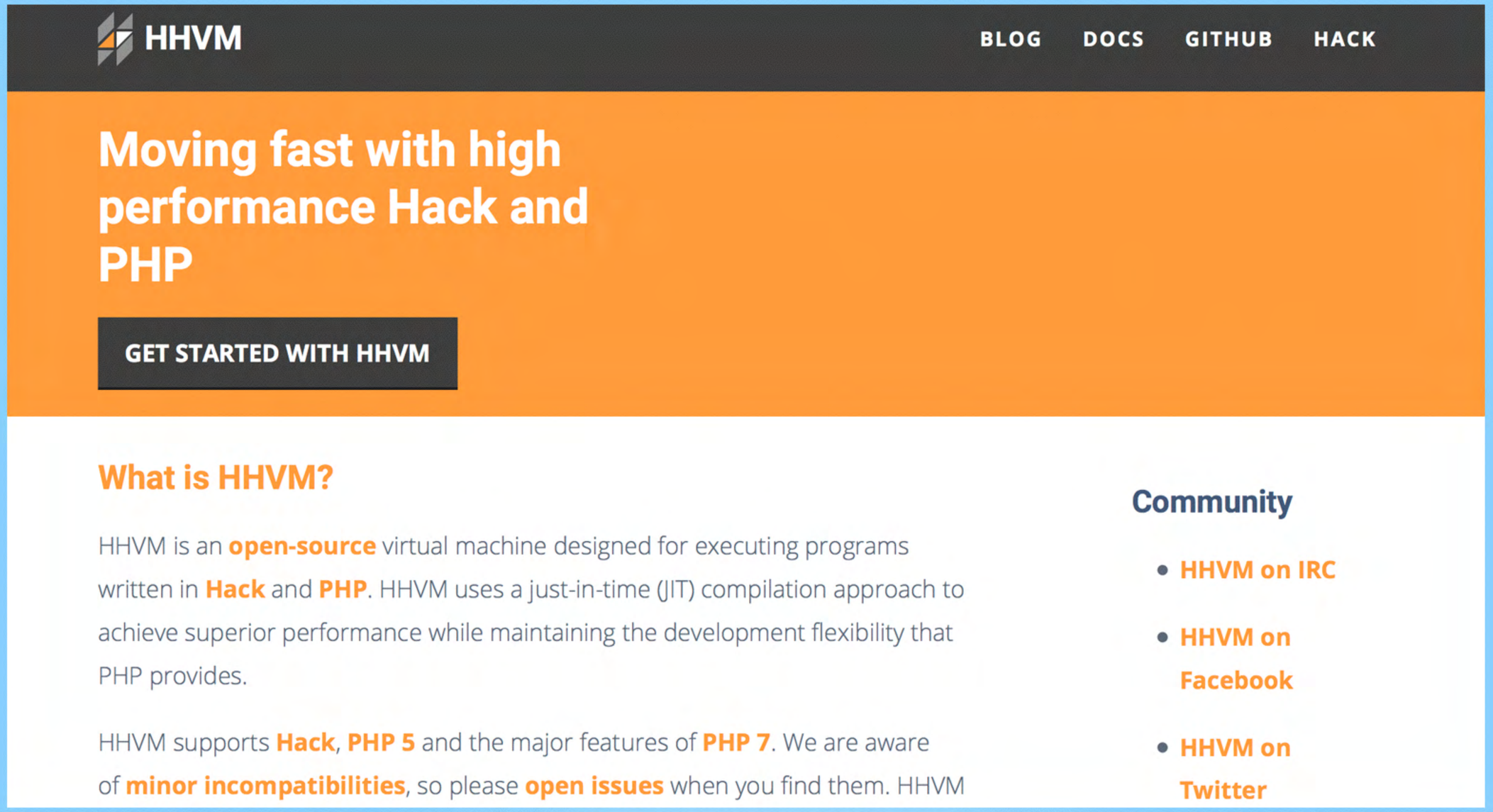
10 Years of Varnish Cache: How It All Began

23 February, 2016 Rubén Romero

As we launch into the tenth-year anniversary festivities for

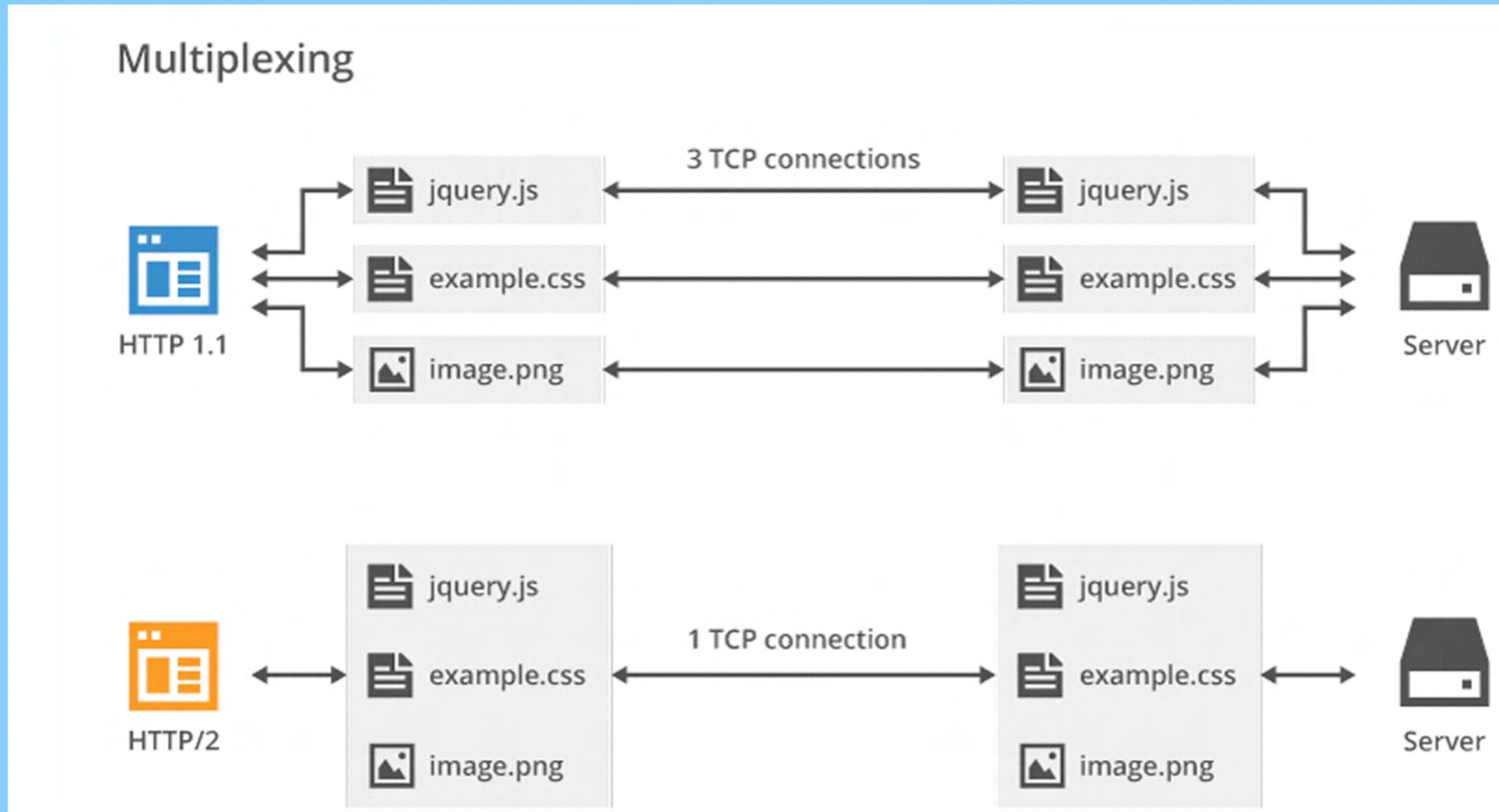
VARNISH

CDN PROVIDERS


HHVM
BLOG
DOCS
GITHUB
HACK
Moving fast with high performance Hack and PHP
GET STARTED WITH HHVM
What is HHVM?
HHVM is an open-source virtual machine designed for executing programs written in Hack and PHP. HHVM uses a just-in-time (JIT) compilation approach to achieve superior performance while maintaining the development flexibility that PHP provides.
HHVM supports Hack, PHP 5 and the major features of PHP 7. We are aware of minor incompatibilities, so please open issues when you find them. HHVM
Community
HHVM on IRC
HHVM on Facebook
HHVM on Twitter

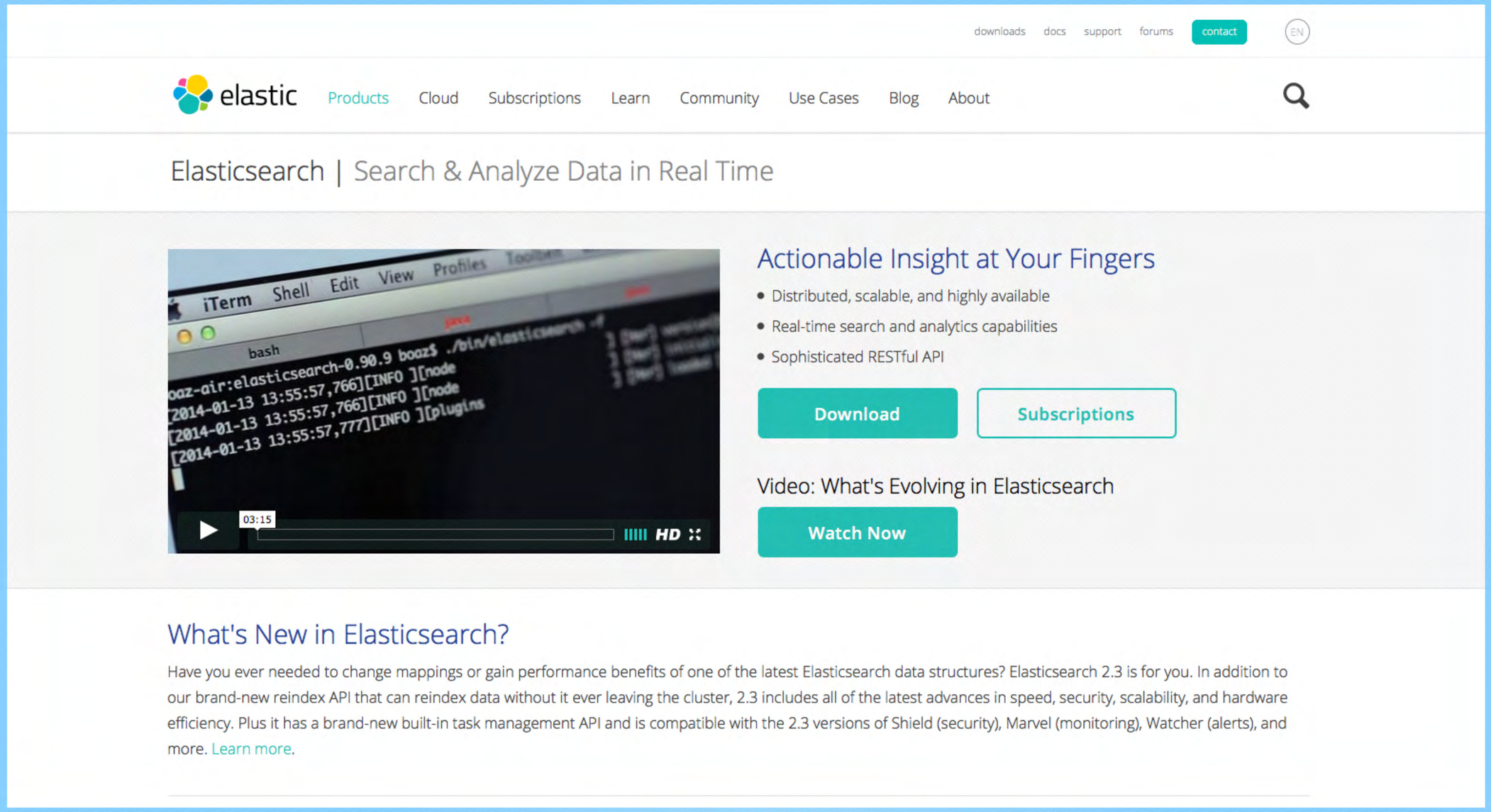
HHVM

PHP 7


Multiplexing
3 TCP connections
jquery.js
example.css
image.png
jquery.js
example.css
image.png
HTTP 1.1
Server
jquery.js
example.css
image.png
1 TCP connection
jquery.js
example.css
image.png
HTTP/2
Server

HTTP2

LET'S ENCRYPT



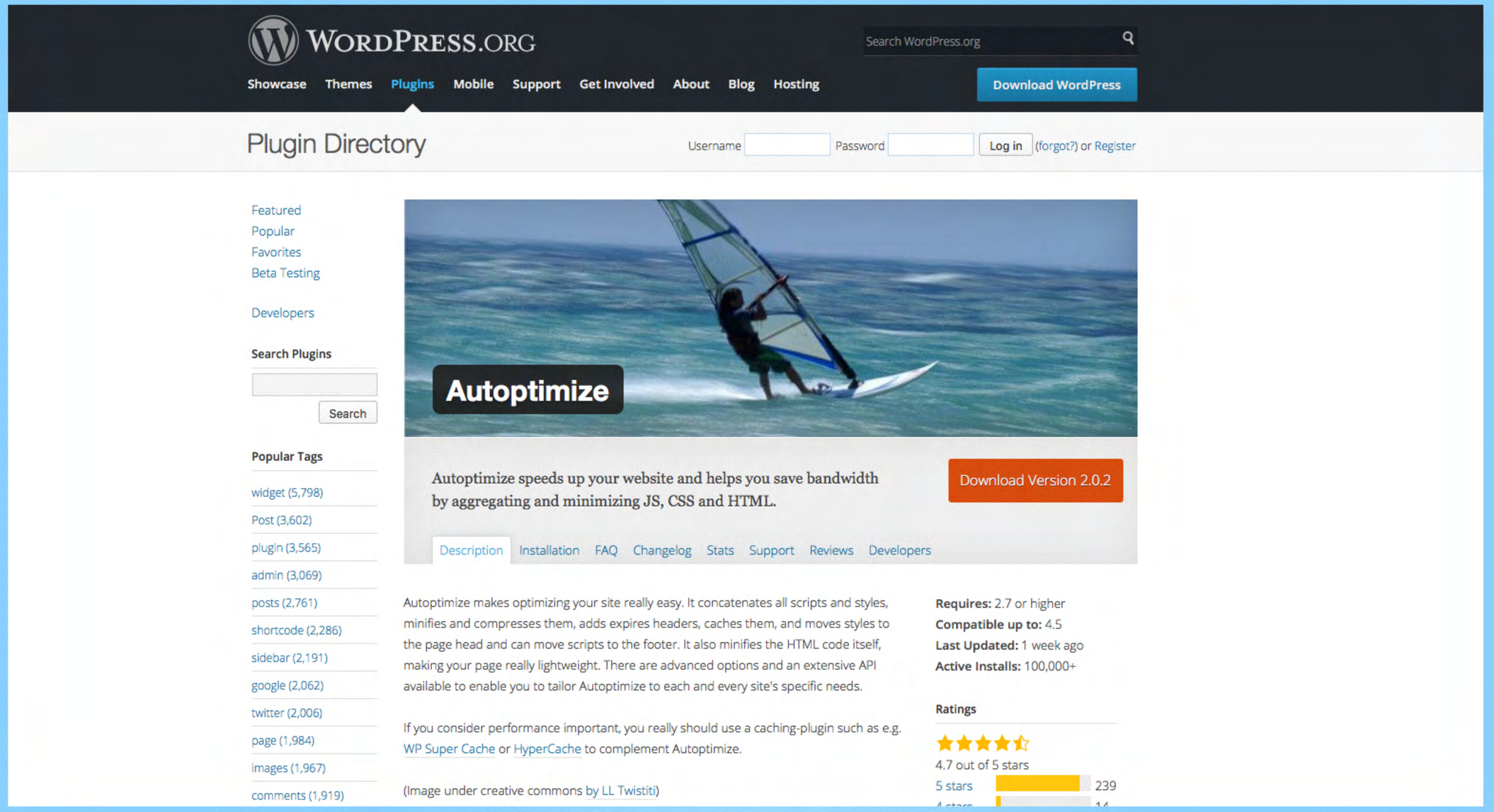
ELASTICSEARCH

PART3

WP OPTIMIZATION

WP ROCKET
your website at lightspeed
Features
Pricing
Support
Blog
Account
Buy It Now
Looking for a Faster Website?
Thanks to Our Plugin, WordPress has never been so Efficient.
View Pricing & Buy It Now
or
Discover all our features.
Already
7 8 6 6 8
sites in orbit
Simplicity & Speed
Don't waste your time struggling with complex plugin settings.
WP Rocket launches upon activation - minimal configuration, immediate results.

WPROCKET

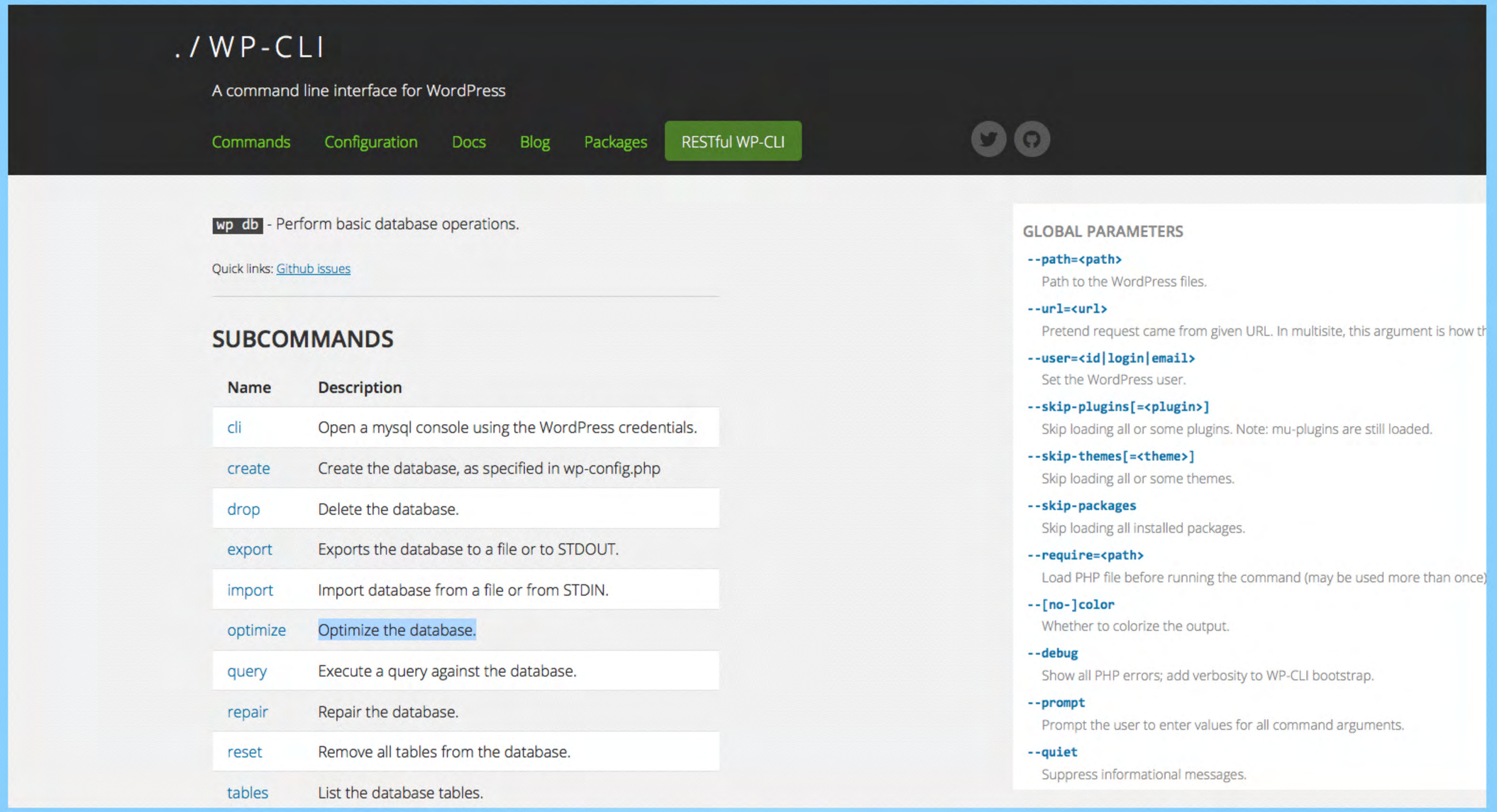


AUTOPTIMIZE

WordPress.org
Search WordPress.org
Showcase Themes Plugins Mobile Support Get Involved About Blog Hosting
Download WordPress
Plugin Directory
Username Password Log in (forgot?) or Register
Featured
Popular
Favorites
Beta Testing
Developers
Search Plugins
Search
Popular Tags
widget (5,798)
Post (3,602)
plugin (3,565)
admin (3,069)
posts (2,761)
shortcode (2,286)
sidebar (2,191)
google (2,062)
twitter (2,006)
page (1,984)
images (1,967)
comments (1,919)
BJ Lazy Load
Lazy loading for images and iframes makes your site load faster and saves bandwidth. Uses no external JS libraries and degrades gracefully for non-js
Download Version 1.0.6
Description Installation FAQ Other Notes Changelog Stats Support Reviews Developers
Lazy loading makes your site load faster and saves bandwidth.
This plugin replaces all your post images, post thumbnails, gravatar images and content iframes with a placeholder and loads the content as it gets close to enter the browser window when the visitor scrolls the page. Also works with text widgets.
Since it works with iframes, it also covers embedded videoes from YouTube, Vimeo etc.
You can also lazy load other images and iframes in your theme, by using a simple filter.
Requires: 3.5 or higher
Compatible up to: 4.3.3
Last Updated: 7 months ago
Active Installs: 40,000+
Ratings
4.1 out of 5 stars

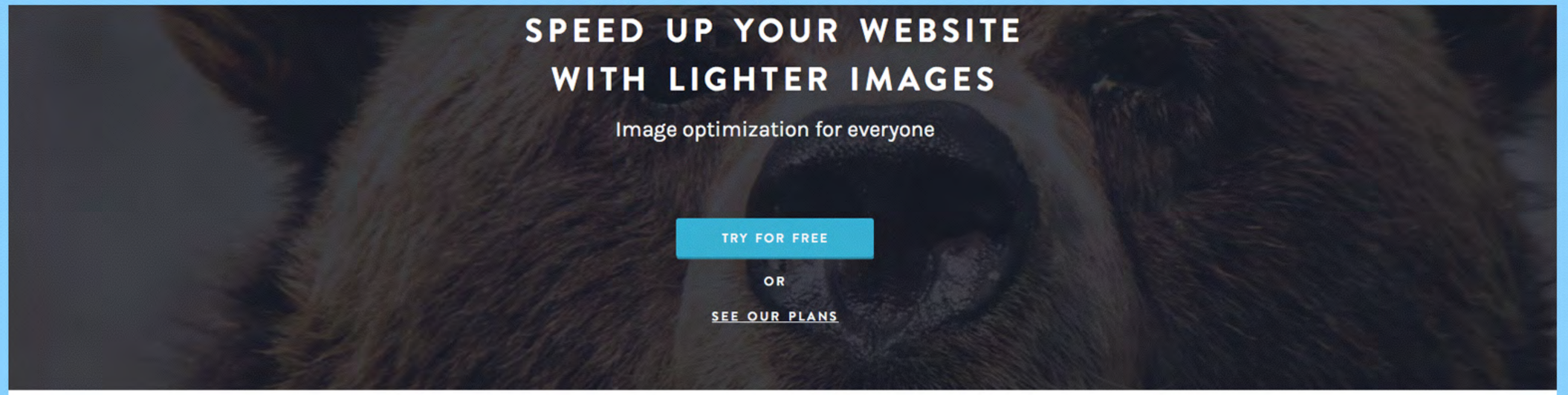
BJ LAZY LOAD

ADVANCED DATABASE CLEANER


./WP-CLI
A command line interface for WordPress
Commands
Configuration
Docs
Blog
Packages
RESTful WP-CLI
wp db - Perform basic database operations.
Quick links: Github issues
SUBCOMMANDS
Name
Description
cli
Open a mysql console using the WordPress credentials.
create
Create the database, as specified in wp-config.php
drop
Delete the database.
export
Exports the database to a file or to STDOUT.
import
Import database from a file or from STDIN.
optimize
Optimize the database.
query
Execute a query against the database.
repair
Repair the database.
reset
Remove all tables from the database.
tables
List the database tables.
GLOBAL PARAMETERS
--path=<path>
Path to the WordPress files.
--url=<url>
Pretend request came from given URL. In multisite, this argument is how th
--user=<id|login|email>
Set the WordPress user.
--skip-plugins[=<plugin>]
Skip loading all or some plugins. Note: mu-plugins are still loaded.
--skip-themes[=<theme>]
Skip loading all or some themes.
--skip-packages
Skip loading all installed packages.
--require=<path>
Load PHP file before running the command (may be used more than once)
--[no-]color
Whether to colorize the output.
--debug
Show all PHP errors; add verbosity to WP-CLI bootstrap.
--prompt
Prompt the user to enter values for all command arguments.
--quiet
Suppress informational messages.

WP-CLI

PART4 CONTENT OPTIMIZATION



IMAGIFY WILL HELP YOU REACH PERFECTION

It's a fact that the average web page keeps getting heavier. It can be blamed on images, as they are more and more prominent.

Why should we have to choose between beauty and speed? It is time to fix this.

SPEED UP YOUR WEBSITES

With lighter images you will gain in speed, user experience and even in SEO.

SAVE TIME

Stop fine-tuning your images, they are now automatically optimized.

DON'T SACRIFICE QUALITY

Reduce the weight of your images without sacrificing their quality. They will remain beautiful.

IMAGIFY

EWWW IMAGE OPTIMIZER

QUESTIONS TIME!