

# Web Performance

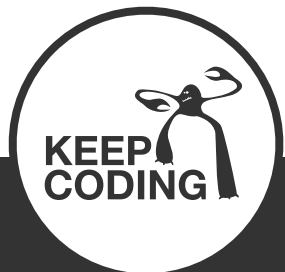
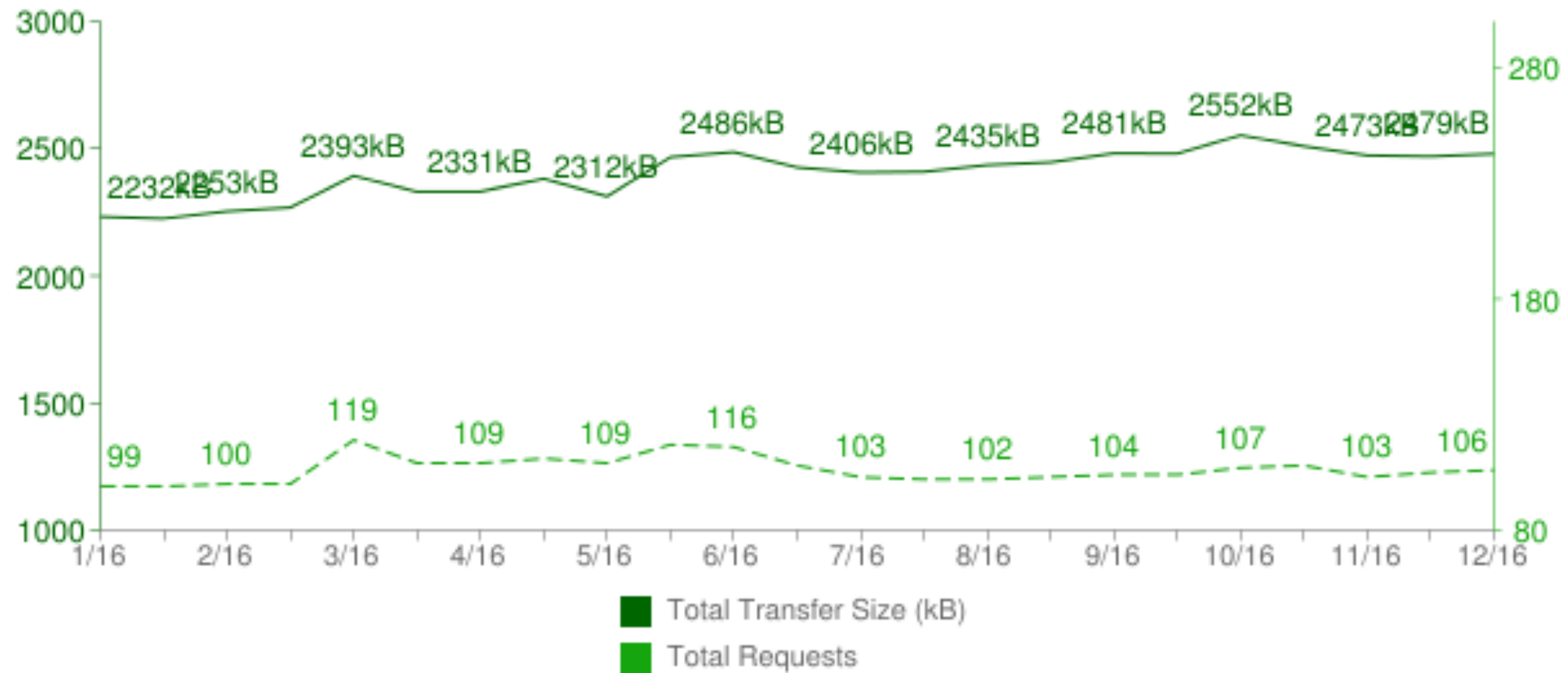


# Cómo de rápido es “rápido”?

Delay	User reaction
0-100ms	Instant
100-300ms	Feels sluggish
300-1000ms	Machine is working...
1 s+	Mental switch
10s+	I'll come back later



## Total Transfer Size & Total Requests



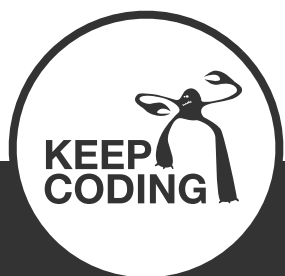
## PCAP Web Performance Analyzer

WaterFall chart HAR

Show Page Timeline Show Statistics

page\_0

GET stevesouders.com	200 OK	stevesouders.com	10.1 KB	3.19s
GET 8fa4fe2785a82fa0	200 OK	lognormal.net	8.7 KB	1.47s
GET ga.js	200 OK	google-analytics	15.3 KB	459ms
GET styles.css	200 OK	stevesouders.com	1.8 KB	132ms
GET book-84x110.jpg	200 OK	1.stevesouders.com	5.8 KB	468ms
GET ulras-cover-84x11	200 OK	1.stevesouders.com	5.6 KB	1.88s
GET wpd2-cover-85x1	200 OK	1.stevesouders.com	5.5 KB	490ms
GET widget.js	200 OK	widgets.bungie.net	14.1 KB	637ms
GET favicon.ico	200 OK	jetpack.org	894 B	1.05s
GET twitter-icon.png	200 OK	stevesouders.com	1.5 KB	185ms
GET favicon.ico	200 OK	2.stevesouders.com	177 B	447ms
GET icon-16x16.gif	200 OK	2.stevesouders.com	474 B	1.17s
GET stanford-favicon.k	200 OK	2.stevesouders.com	150 B	441ms
GET more-arrow.gif	200 OK	2.stevesouders.com	50 B	493ms
GET alrnb-souders.jpg	200 OK	2.stevesouders.com	6.6 KB	588ms
GET favicon.ico	200 OK	spritem.org	804 B	543ms
GET stanford_bottom.gi	200 OK	1.stevesouders.com	4.5 KB	255ms
GET chain.png	200 OK	1.stevesouders.com	66.5 KB	2.07s
GET sprite_mic_video.jp	200 OK	1.stevesouders.com	17.5 KB	838ms
GET shv-widgerf-link	200 OK	1.stevesouders.com	14.7 KB	596ms
GET js_conf_video.jpg	200 OK	1.stevesouders.com	24.1 KB	987ms
GET velocity_chins_vide	200 OK	2.stevesouders.com	25.1 KB	1.04s
GET hml5devconf2012	200 OK	2.stevesouders.com	19.6 KB	1.05s
GET google-to-video-r	200 OK	2.stevesouders.com	6 KB	481ms
GET indigun.js	200 OK	indigun.be	2.2 KB	638ms
GET favicon.ico	200 OK	httparchive.org	894 B	307ms
GET favicon.ico	200 OK	loadminer.org	2 KB	442ms
GET favicon.ico	200 OK	browserscope.org	1.1 KB	840ms
GET google-hp.html	200 OK	2.stevesouders.com	15.5 KB	395ms
GET _utm.gif?utmwww=	200 OK	google-analytics	55 B	135ms
GET widget.css	200 OK	widgets.bungie.net	869 B	33ms
GET webstock_video.fl	200 OK	1.stevesouders.com	5.5 KB	224ms
GET default.gif	200 OK	widgets.bungie.net	45 B	67ms
GET widget-bind.png	200 OK	widgets.bungie.net	1.3 KB	176ms
GET user_timeline.json	200 OK	api.twitter.com	2.3 KB	369ms
GET header-bq.gif	200 OK	stevesouders.com	276 B	346ms
GET 593fe189d19940a	200 OK	z0.twimg.com	873 B	291ms
GET 6d573467811bf761	200 OK	z0.twimg.com	1.6 KB	291ms
GET 4089930308-close	200 OK	z0.twimg.com	1.2 KB	209ms
GET topnavelvideo.gif	200 OK	stevesouders.com	1.1 KB	103ms
GET logo.gif	200 OK	stevesouders.com	3.4 KB	237ms
GET _utm.gif?utmwww=	200 OK	google-analytics	55 B	97ms
GET config.js?key=8f04	200 OK	lognormal.net	266 B	145ms
GET beacon.gif?number	204 No Content	twitter	0	725ms
GET 204.txt	204 No Content	204.txt	0	544ms
45 Requests		206 KB		17.42s

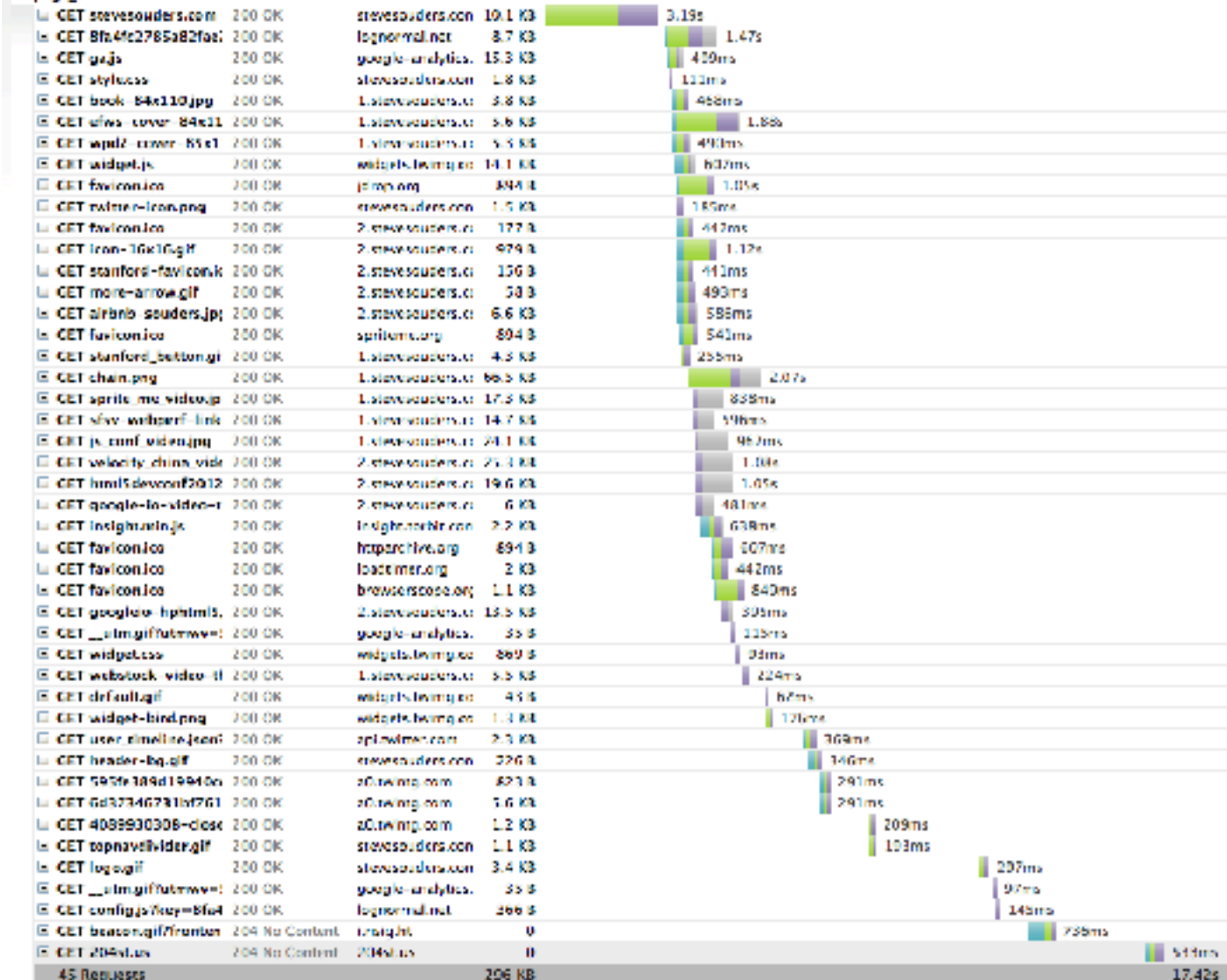


## PCAP Web Performance Analyzer

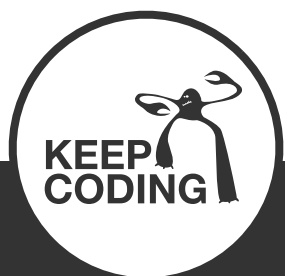
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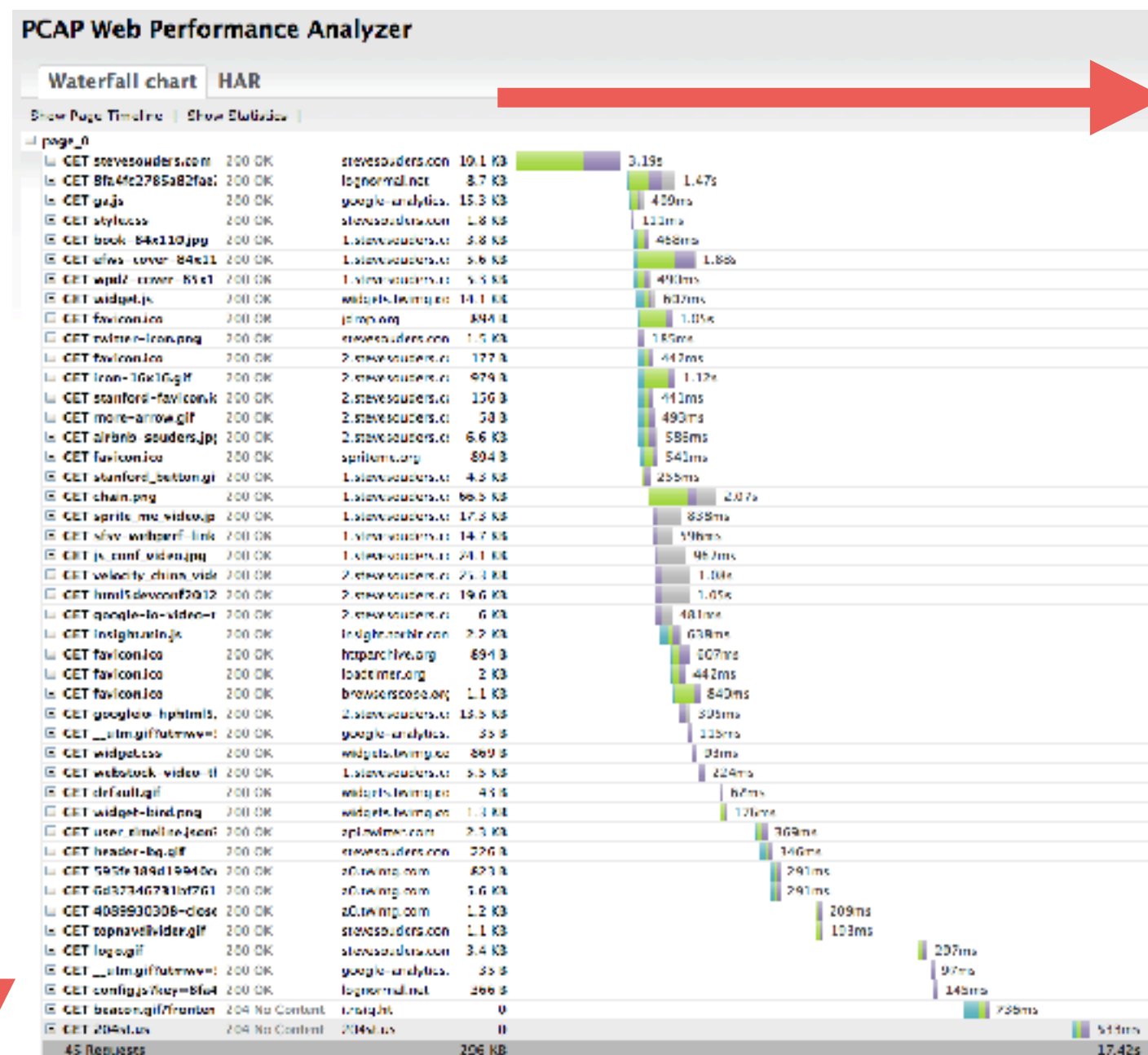
Show Page Timeline Show Statistics

page\_0



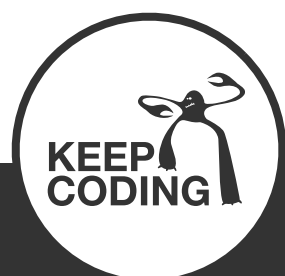
Request Size



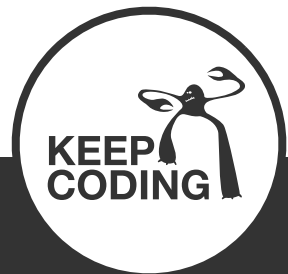


Request Size

Request Number



# Técnicas de optimización



# Code checkers

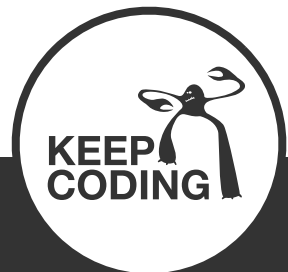
Asegurar el mismo estilo de código en el equipo

Prevenir errores típicos

Garantía mínima de calidad

ESLint | JSHint | JSLint | JSCS

cssLint





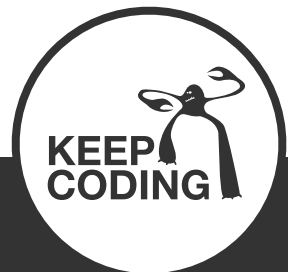
# Gestionar dependencias

Reducir el tamaño del código fuente

Liberar tu proyecto de código ajeno

Mayor control sobre dependencias

- Bower
- JSPM
- npm



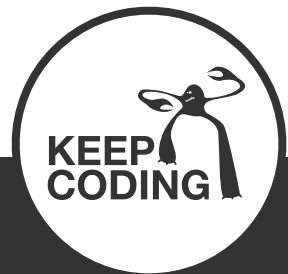
# Reducir tamaño

HTMLmin

CSSmin

Uglify

GZip (text files)



# Workflow

Acelerar el tiempo de desarrollo

Reducir errores

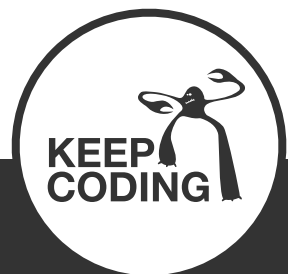
Enfocarse en lo que realmente importa

- Abrir el navegador

- Levantar un servidor web

- Observar cambios de ficheros

- Actualización en caliente (LiveReload)



# Integración Continua

Integrar pronto y a menudo  
Ejecutar tareas automatizadas  
Generar informes  
Comunicar resultados

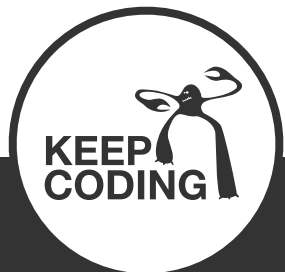
Travis

GitLab

CodeShip

Coveralls

CodeClimate



# Herramientas

<https://developers.google.com/speed/pagespeed/insights/>

<https://tools.pingdom.com/>

<https://gtmetrix.com/>

<http://www.webpagetest.org/>

<https://varvy.com/pagespeed/>

<https://www.uptrends.com/tools/website-speed-test>

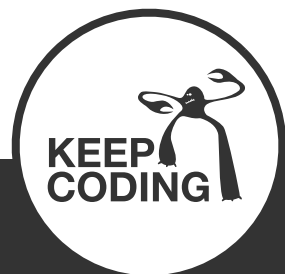
<http://www.pagescoring.com/website-speed-test/>

<http://yellowlab.tools/>

<http://pageloccity.com/>

<http://yslow.org/>

<https://github.com/devbridge/Performance>





GRACIAS  
[www.keepcoding.io](http://www.keepcoding.io)

