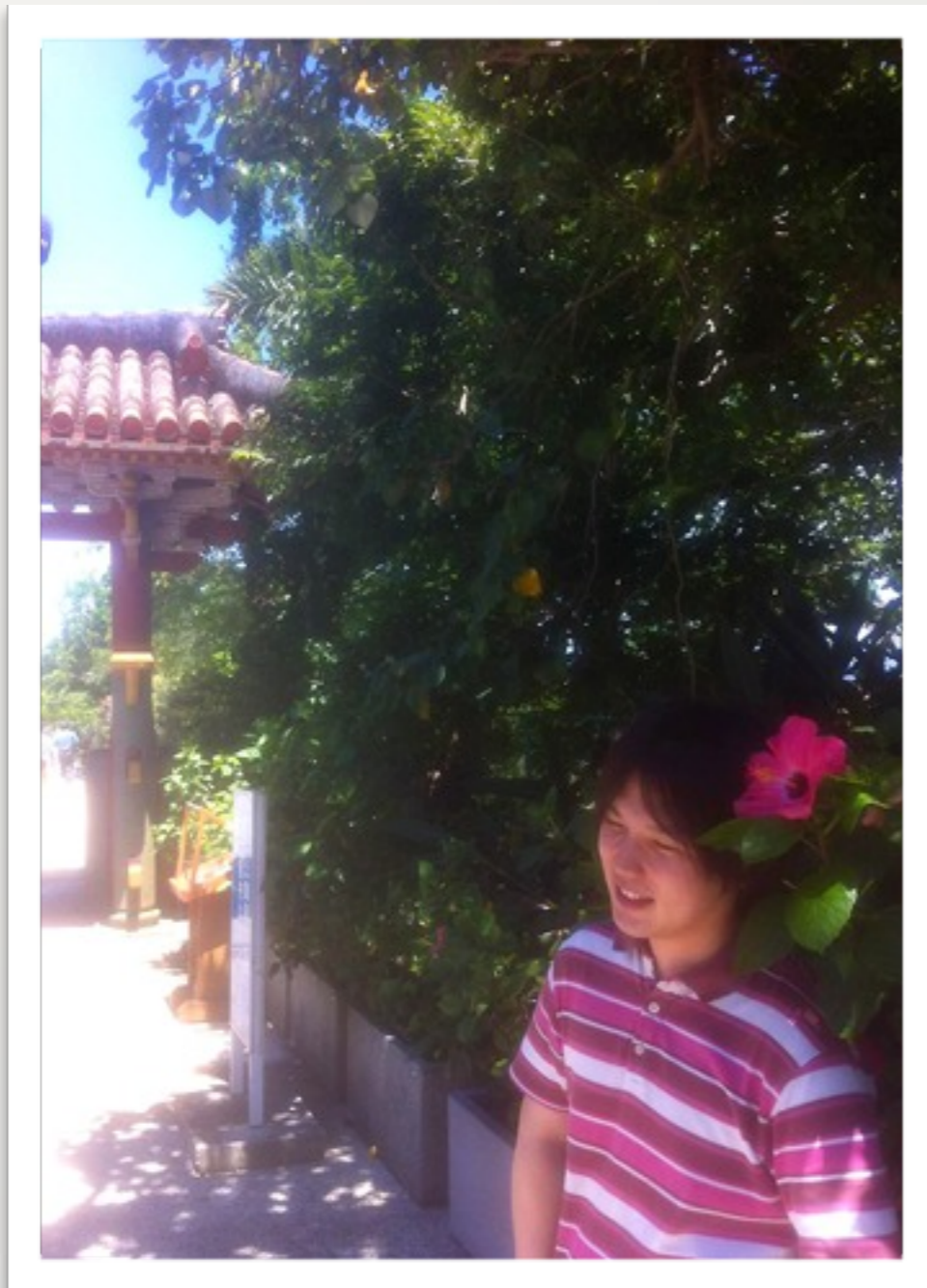


Measuring Web Performance

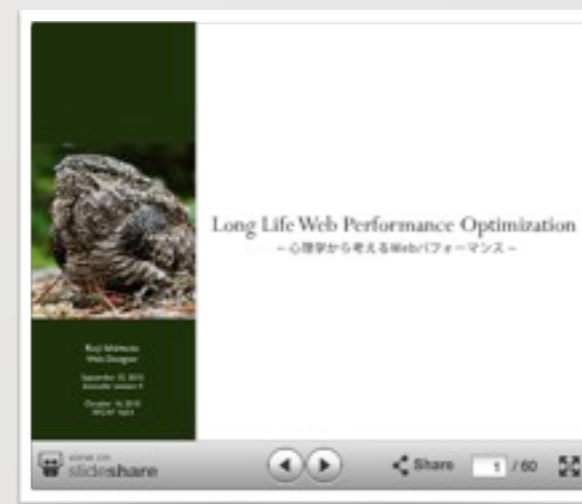
自己満足で終わらないためのパフォーマンス計測



Internet Business Headquarters
Web developer Koji Ishimoto
2012.06.30 @CSS Nite LP23



t32k.me





2012.06.01
Joined!



@cssradar



@hiloki

Agenda

- I. なぜ計測しなければならないのか
- II. ページが表示されるまでの仕組み
- III. 計測ツールの紹介
- IV. まとめとこれからのこと

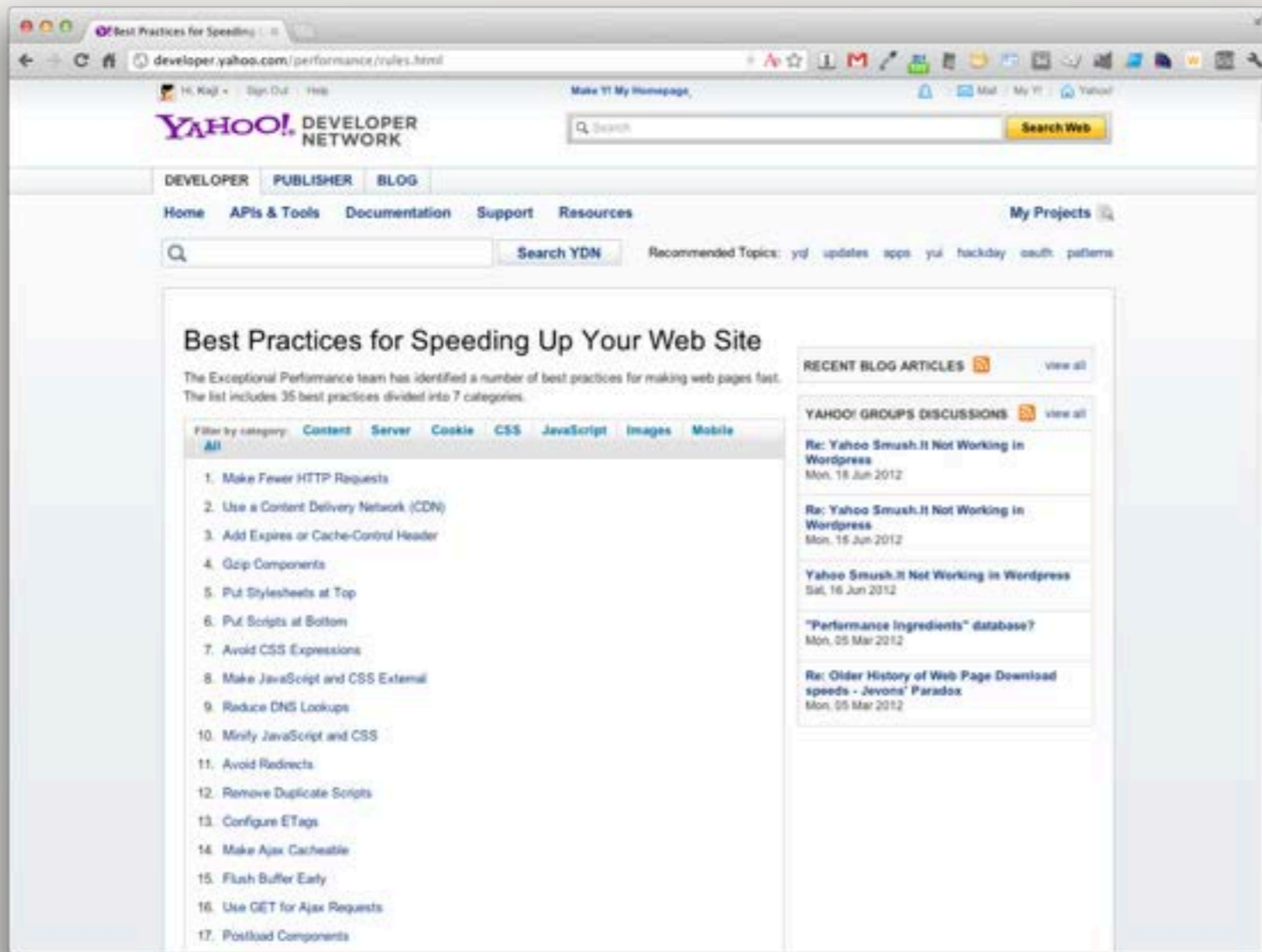
1. なぜ計測しなければならないのか?

Why?

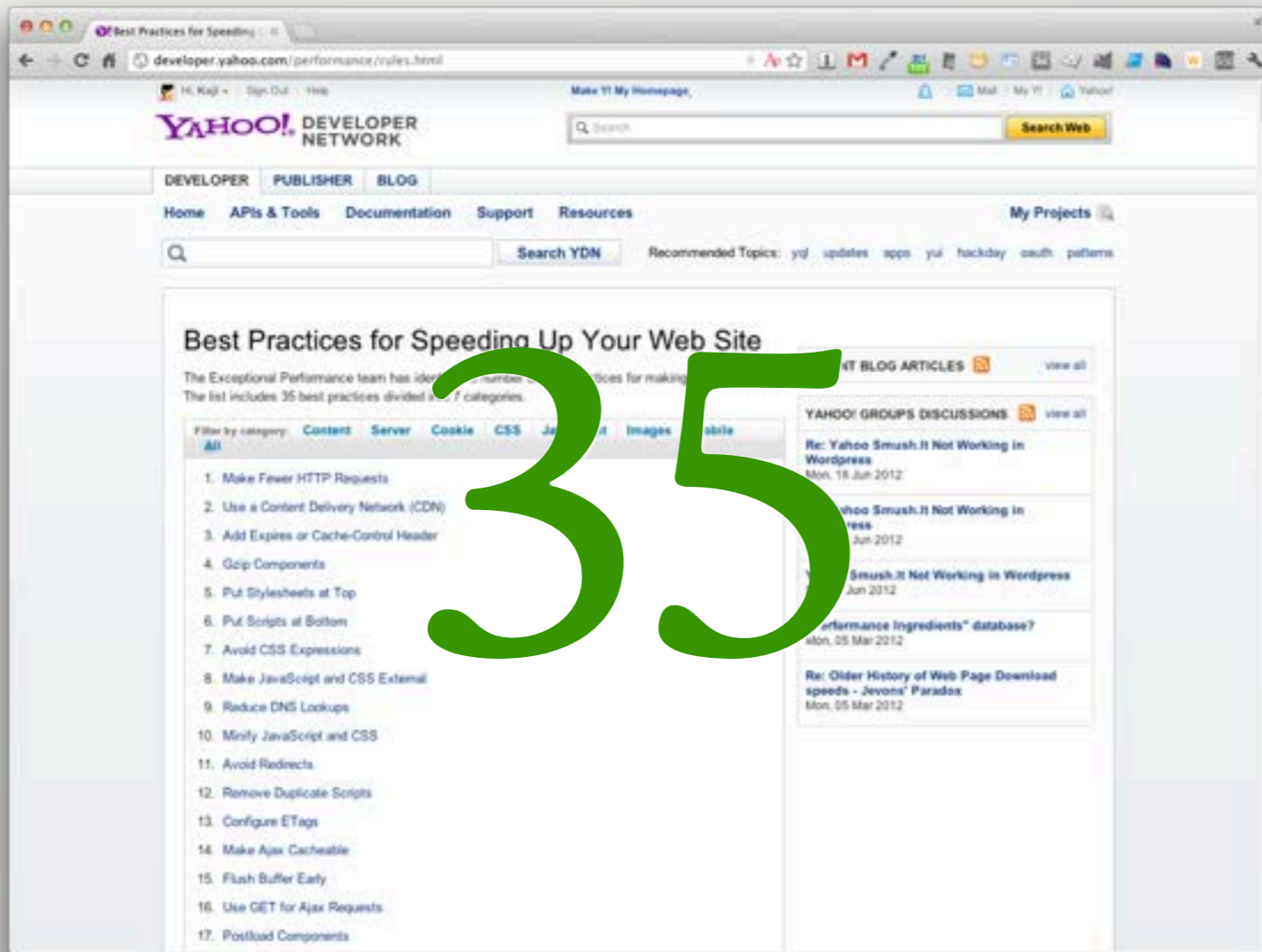




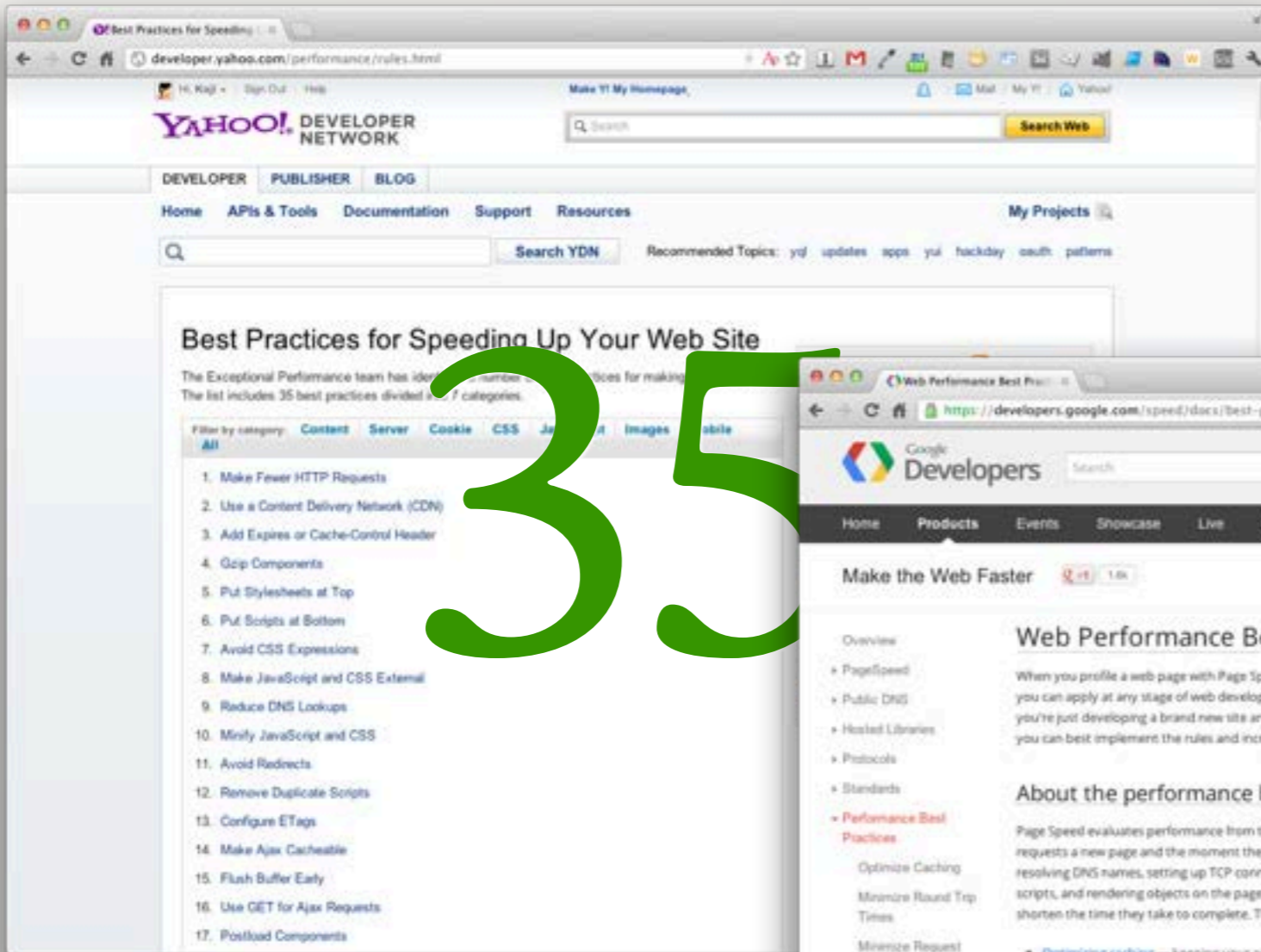
Too Many Best Practices



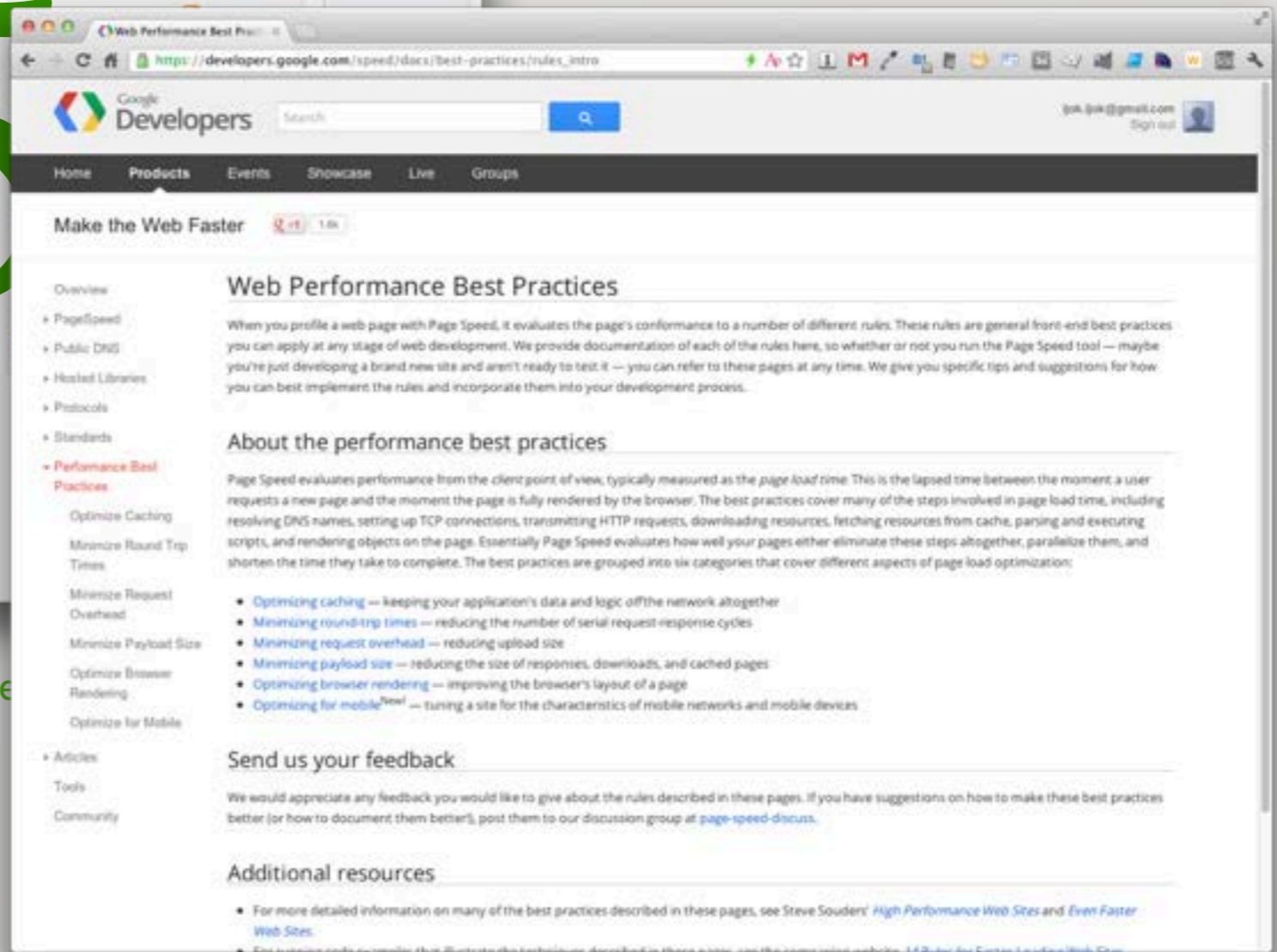
Exceptional Performance - Yahoo! Developer Network



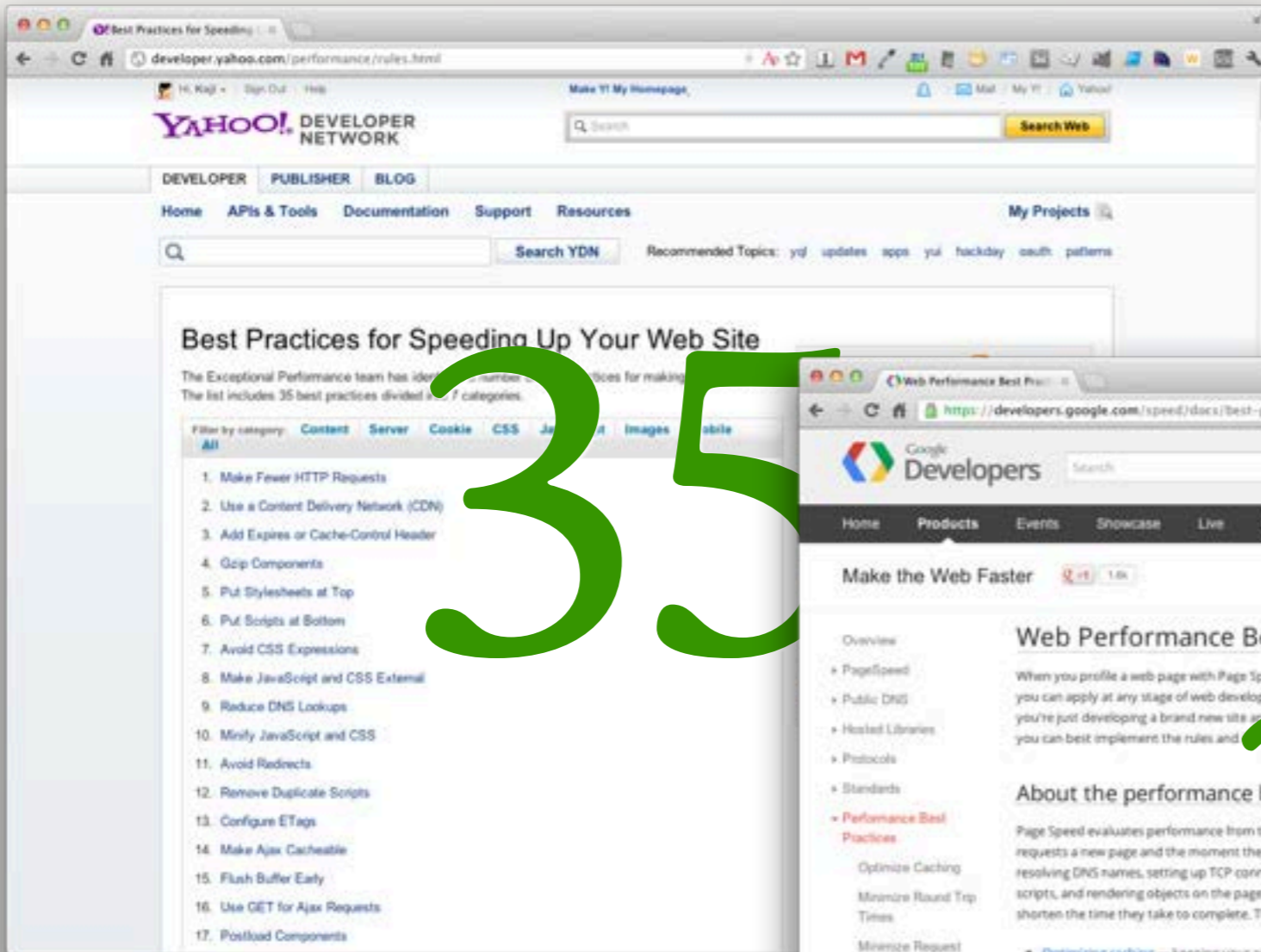
Exceptional Performance - Yahoo! Developer Network



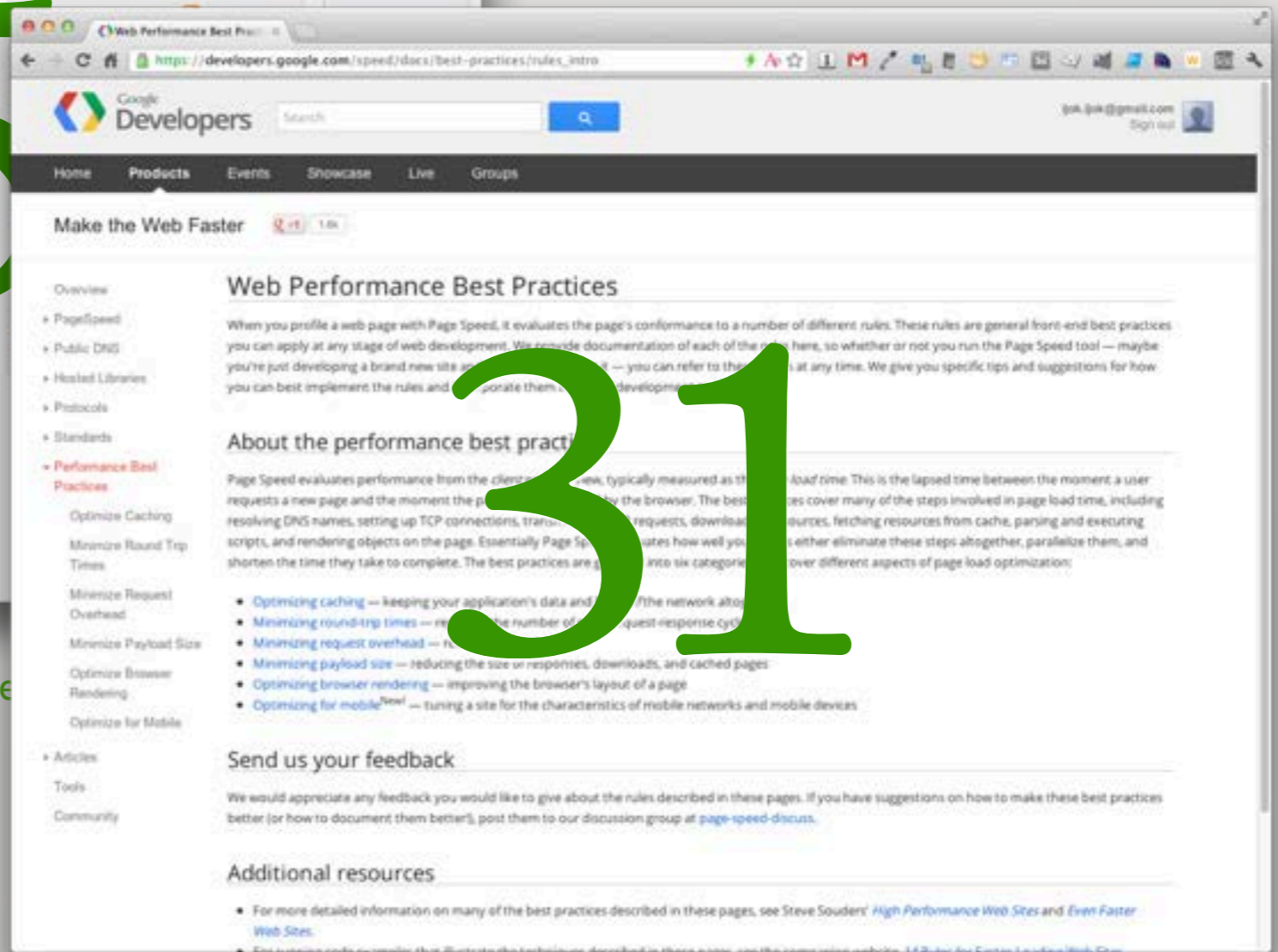
Exceptional Performance - Yahoo! Developer Network



Web Performance Best Practices - Google Developers



Exceptional Performance - Yahoo! Developer Network



Web Performance Best Practices - Google Developers

35

31

14 Steps to Faster-Loading Web Sites

ハイパフォーマンス Webサイト

高速サイトを実現する
14のルール



O'REILLY®
オライリー・ジャパン

Steve Souders 著
武倉 広幸、福地 太郎、武倉 るみ 訳

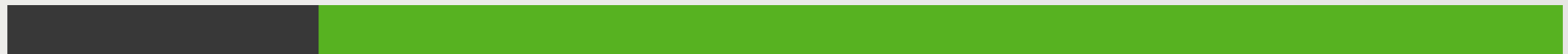
オライリー・ジャパン
O'REILLY®

Steve Souders 著
武倉 広幸、福地 太郎、武倉 るみ 訳

80:20



80:20



Designer?



高速サイトを実現する14のルール

- 1 : HTTPリクエストを減らす
- 2 : CDNを使う
- 3 : Expiresヘッダを設定する
- 4 : コンポーネントをgzipする
- 5 : スタイルシートは先頭に置く
- 6 : スクリプトは最後に置く
- 7 : CSS expressionの使用を控える
- 8 : JSとCSSは外部ファイル化する
- 9 : DNSルックアップを減らす
- 10 : JavaScriptを縮小化する
- 11 : リダイレクトを避ける
- 12 : スクリプトを重複させない
- 13 : ETagの設定を変更する
- 14 : Ajaxをキャッシュ可能にする

Case: Web Designer

制作サイト: 企業サイト(ドキュメントページ)

JSの使用: jQueryプラグインを少々

カバー範囲: ドメインの取得からSEO



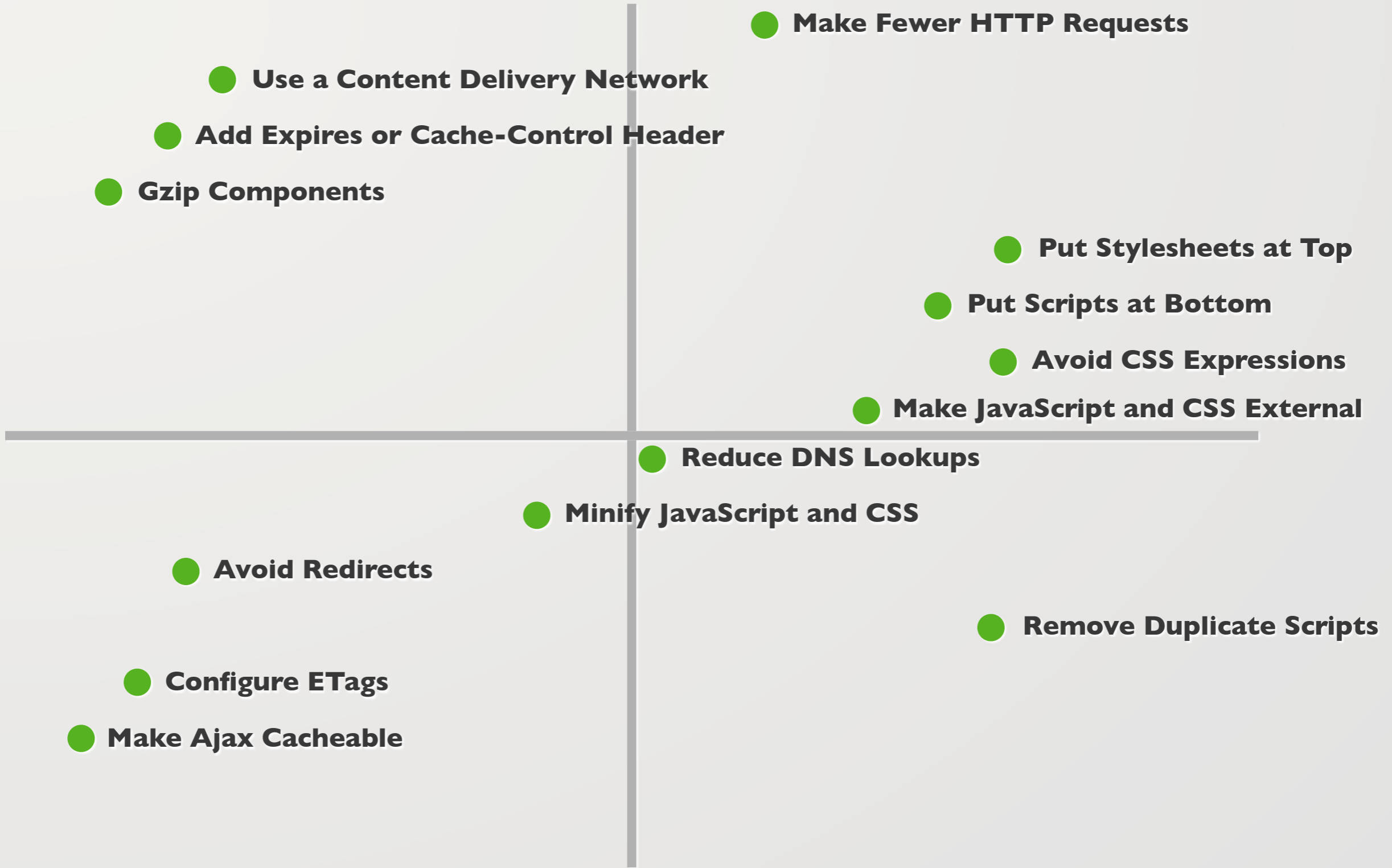
Effective

Ineffective



Difficult

Easy



Case: Web Designer



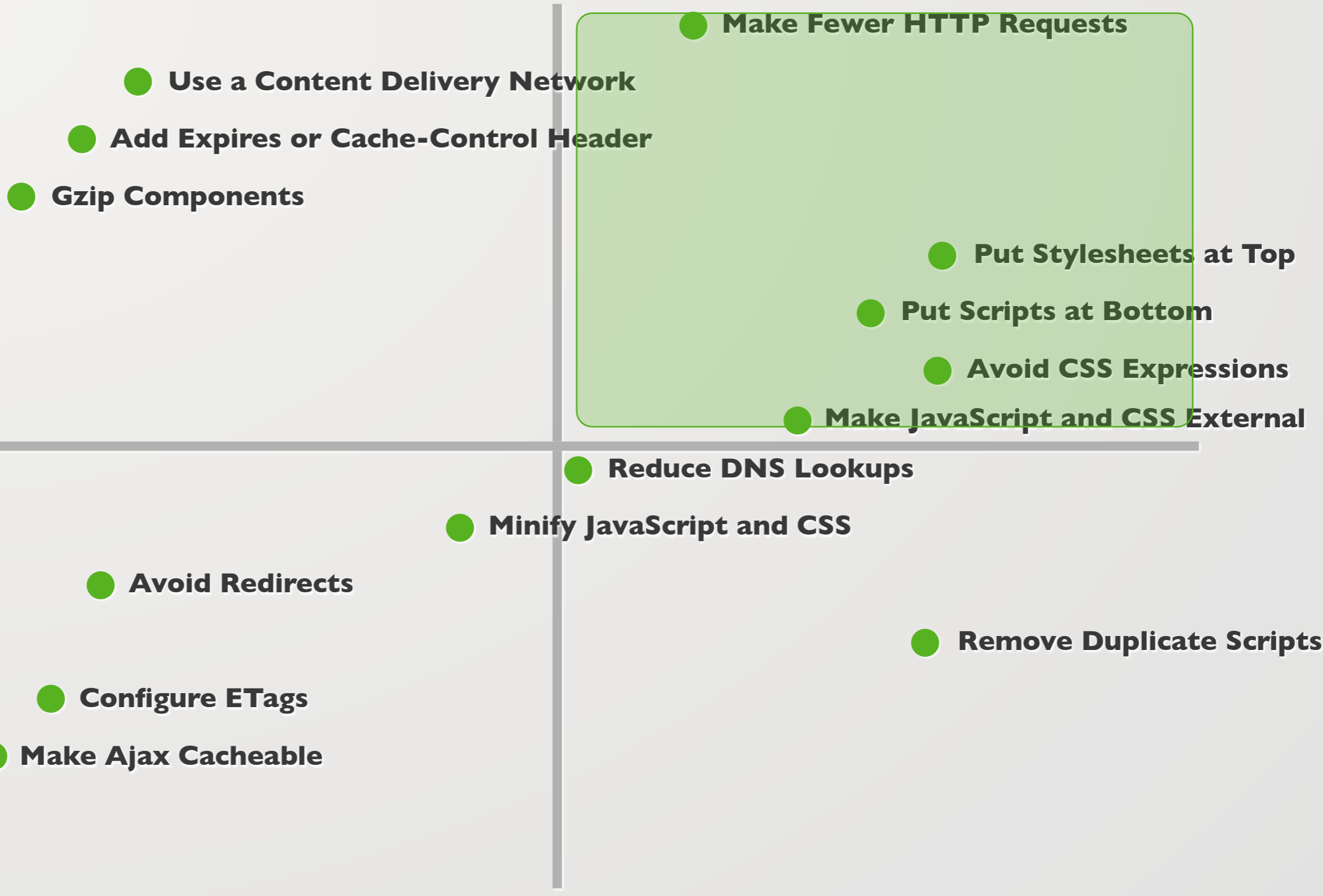
Effective

Ineffective



Difficult

Easy



Case: Web Designer



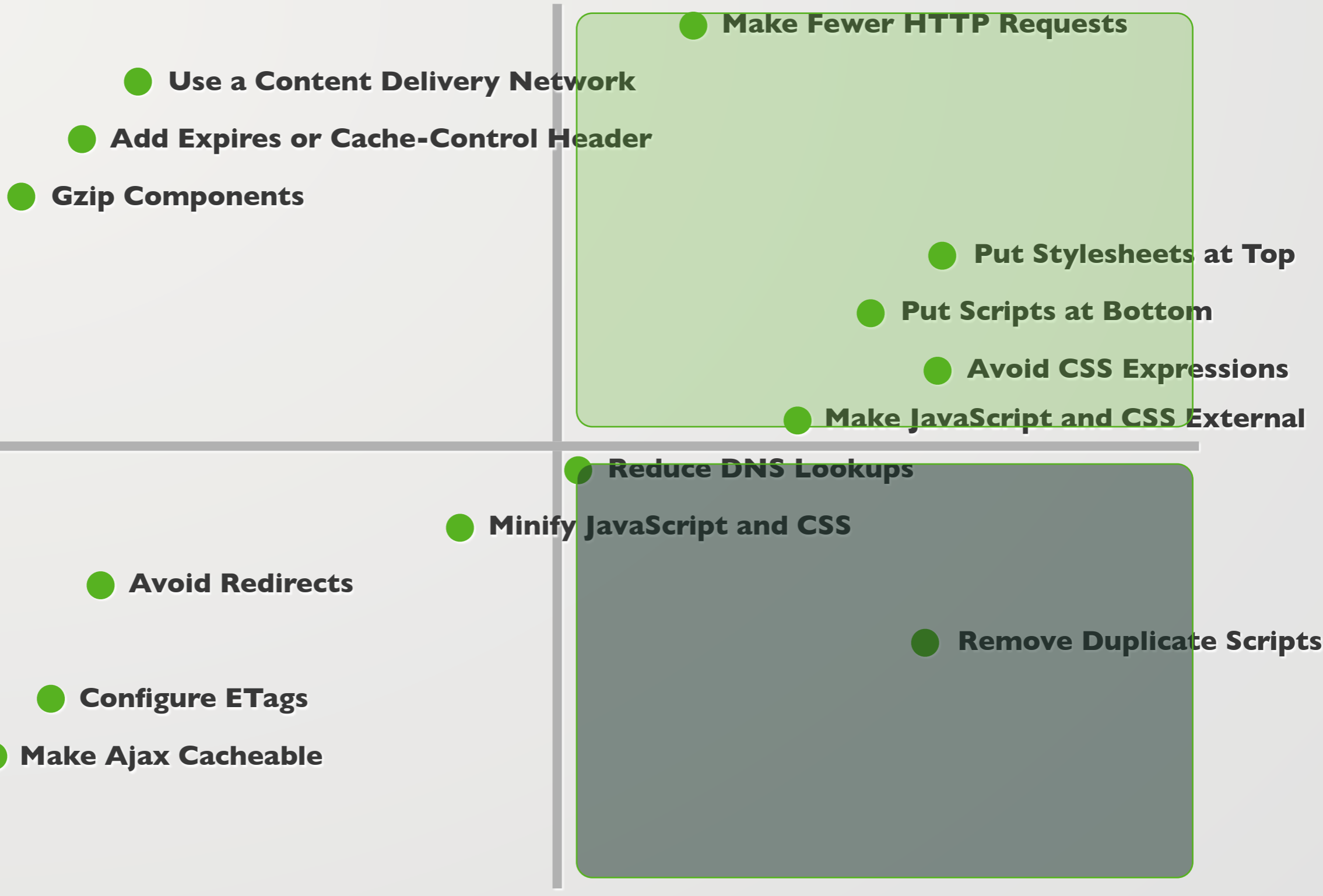
Effective

Ineffective



Difficult

Easy



Case: Web Designer

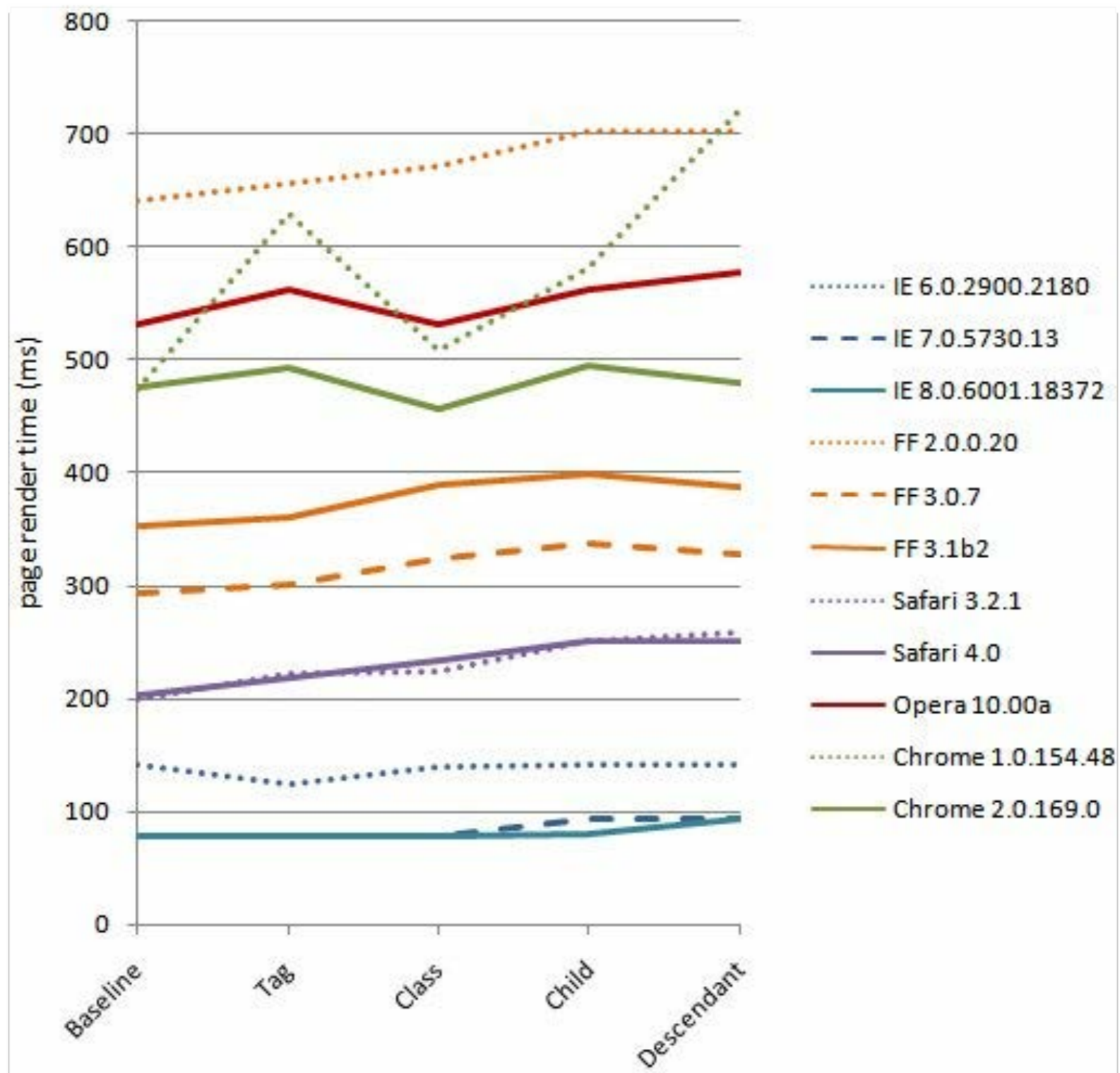
CSSセレクタの最適化

Right to Left

2009

Performance Impact of CSS Selectors

<http://www.stevesouders.com/blog/2009/03/10/performance-impact-of-css-selectors/>



-20ms

2011

CSS Selector Performance has changed! (For the better)

<http://calendar.perfplanet.com/2011/css-selector-performance-has-changed-for-the-better/>

Optimizing CSS selector matching (WebKit)

- Style Sharing
- Rule Hashes
- Ancestor Filters
- Fast Path

-5ms

If you aren't getting 90+ Page Speed scores, it's way too early to be thinking about selector optimization.

* { box-sizing: border-box } FTW « Paul Irish





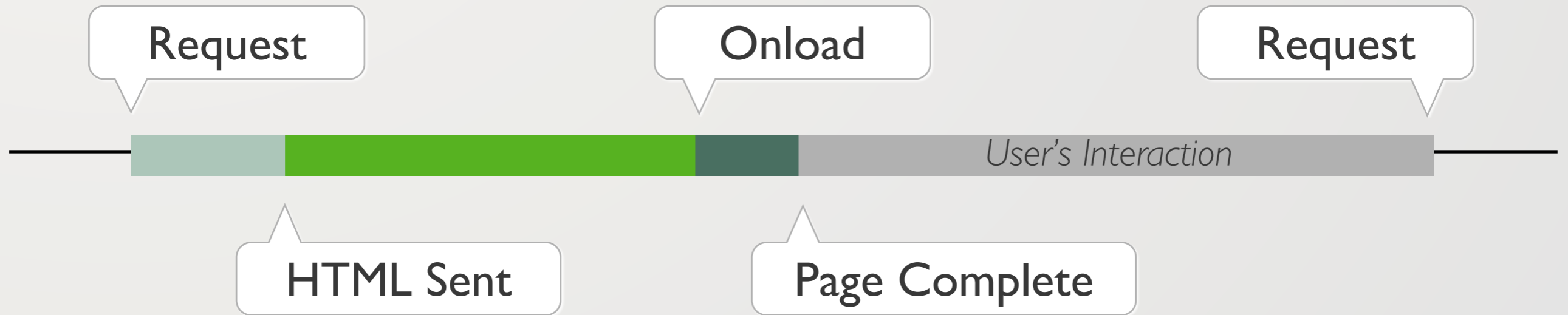
費用対効果を知る

II. ページが表示されるまでの仕組み

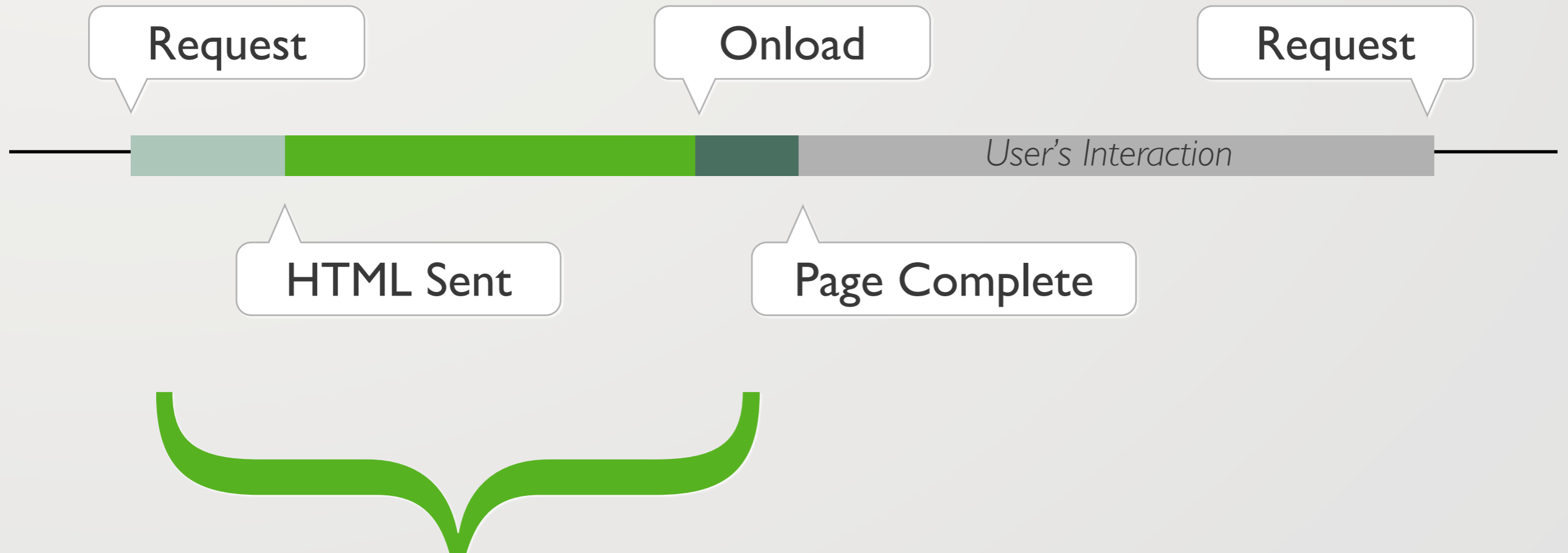
Life of Web Page



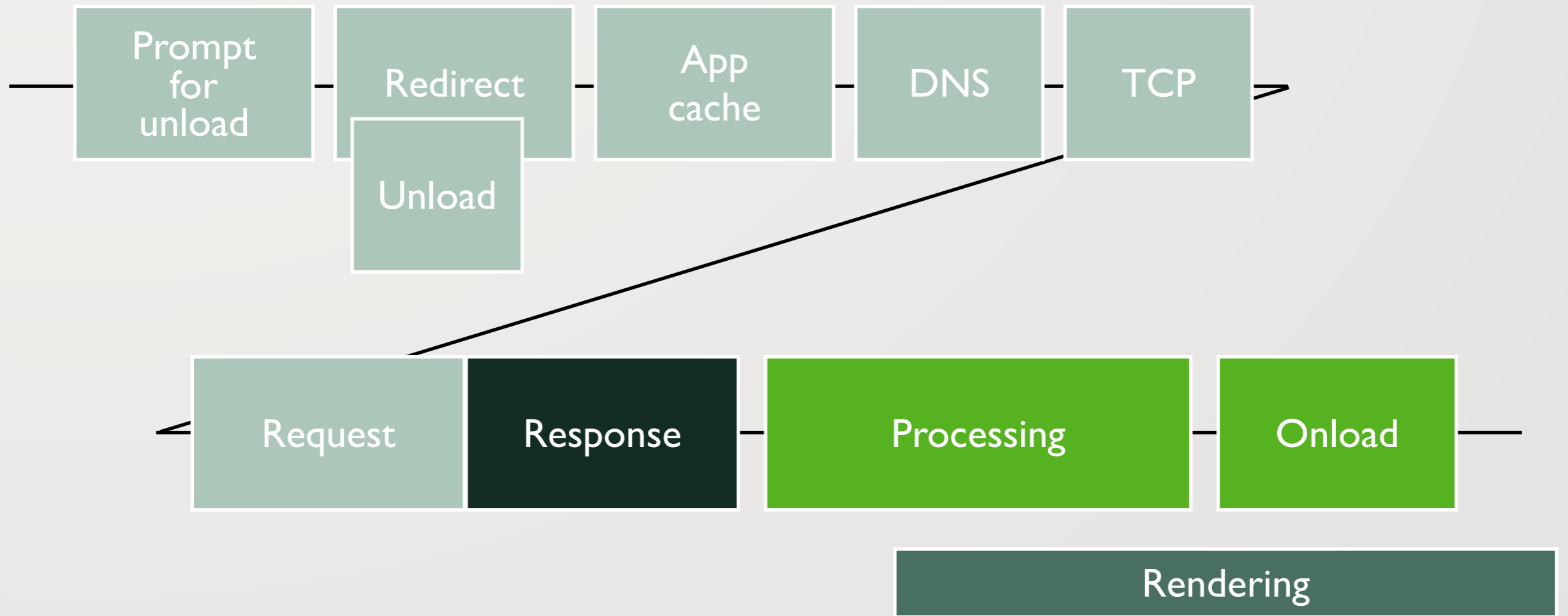
Life of Web Page



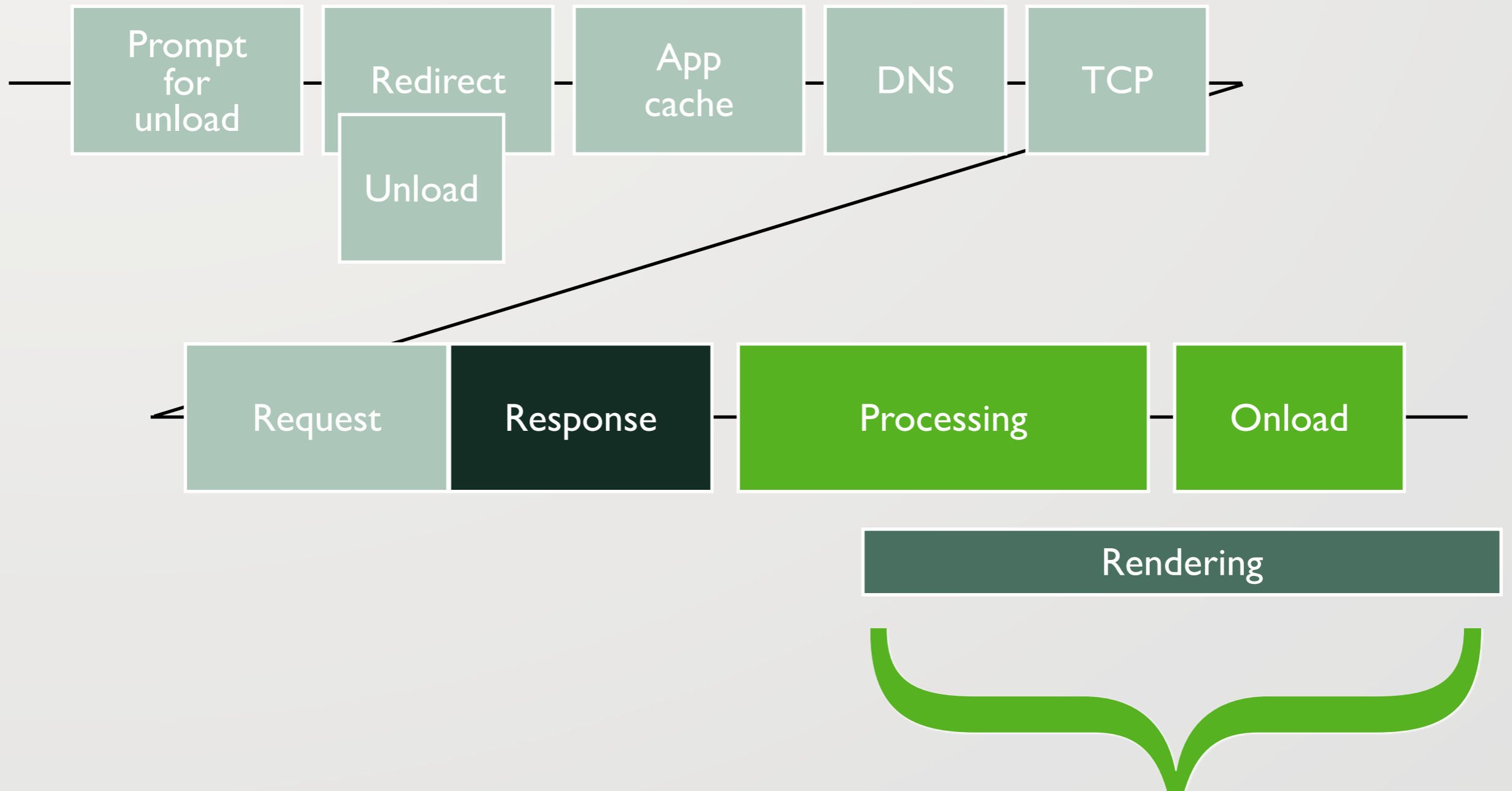
Life of Web Page



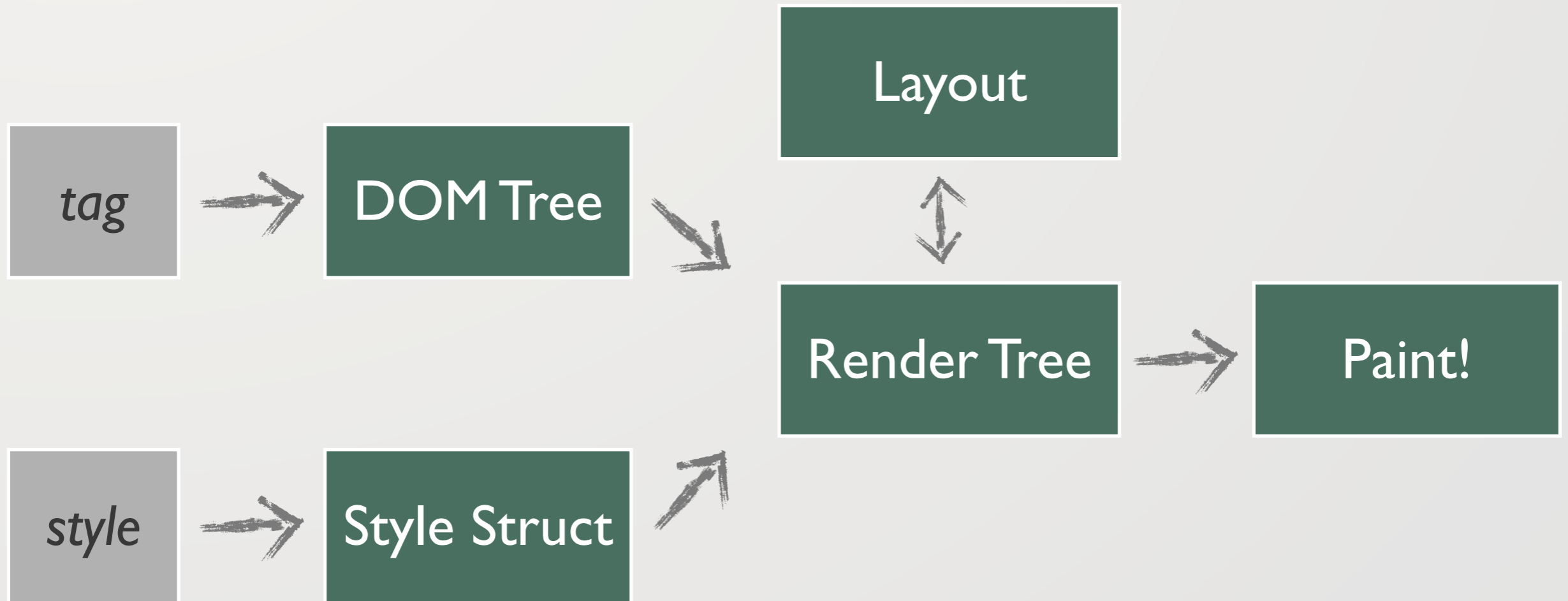
Performance Timing



Performance Timing




Rendering Flow (WebKit)



The image shows a browser window displaying the article 'How Browsers Work: Behind the Scenes of Modern Web Browsers' on the HTML5 Rocks website. The browser's address bar shows the URL 'www.html5rocks.com/en/tutorials/internals/howb...'. The website's navigation bar includes links for HOME, POSTS & TUTORIALS, HTML5 FEATURES, SLIDES, RESOURCES, WHY HTML5?, WHO WE ARE, and CONTRIBUTE, along with a search icon. The article title is 'HOW BROWERS WORK: BEHIND THE SCENES OF MODERN WEB BROWSERS', written by Tali Garsiel & Paul Irish, published on August 5, 2011. The article features the HTML5 logo and a list of supported browsers: Internet Explorer, Firefox, Chrome, Safari, and Opera. Social media sharing options for +1, Like, and Tweet are visible, along with 78 comments and 155 reactions. A 'TABLE OF CONTENTS' sidebar on the left lists sections such as Introduction, The browsers we will talk about, The browser's main functionality, The browser's high level structure, The rendering engine, Rendering engines, The main flow, Main flow examples, Parsing - general, Grammars, Parser - Lexer combination, Translation, Parsing example, and Formal definitions for vocabulary and syntax. The main content area begins with a 'PREFACE' section, stating that the primer on WebKit and Gecko is the result of research by Tali Garsiel. It includes a quote: 'In the years of IE 90% dominance there was nothing much to do but regard the browser as a "black box", but now, with open source browsers having more than half of the usage share, it's a good time to take a peek under the engine's hood and see what's inside a web browser. Well, what's inside are millions of C++ lines...'. The preface concludes by recommending the document to web developers for better decision-making and justifications behind development best practices.

How Browsers Work: Behind the scenes of modern web browsers - HTML5 Rocks
邦訳 : <http://shanon-tech.blogspot.jp/2011/09/web.html>





俯瞰的視点を持つ

III. どこを計測するのか？計測手段

Measure Tools



I. 評価・アドバイス系

II. ASP系

III. デベロッパーツール系

IV. スポット計測系

1. 評価・アドバイス系

YSlow

YSlow

yslow.org

Fork me on GitHub

YSlow

YSlow analyzes web pages and why they're slow based on Yahoo!'s rules for high performance web sites

Install YSlow
for Chrome

Source

Wiki

FAQ

Help

En Español

Feature highlights

- Grades web page based on one of three predefined ruleset or a user-defined ruleset;
- It offers suggestions for improving the page's performance;
- Summarizes the page's components;
- Displays statistics about the page;
- Provides tools for performance analysis, including [Smush.it™](#) and [JSLint](#).

Availability



Firefox



Chrome



Mobile/Bookmarklet



Opera



Safari



Command Line (HAR)



PhantomJS



Source Code

ティア

• [View YSlow Ruleset Limitations](#) across several browsers/platforms.

Web Performance Best Practices and Rules



YSlow on Facebook

Like 1,100



YSlow

YSlow performance info
ahora en español
<http://yslow.es/> big shout
out to Marc Armengou
[@yslow_es](#)



26 May at 06:20



Facebook social plugin



YSlow
getyslow

stoyanstefanov Blog: YSlow development #3,
custom rulesets [phpied.com/yslow-developm...](#)
4 days ago · reply · retweet · favorite

stoyanstefanov Blog: Setting up for YSlow
(bookmarklet) development [phpied.com/yslow-developm...](#)
5 days ago · reply · retweet · favorite

stoyanstefanov Blog: warmup to YSlow
development [phpied.com/yslow-developm...](#)
6 days ago · reply · retweet · favorite

YSlow

chrome-extension://ninejjcohidippngpapiilnmkgllmakh/yslow.html#455

Home **Grade** Components | Statistics | Rulesets YSlow(V2) Edit | ? Help ↓

Grade B Overall performance score 82 Ruleset applied: YSlow(V2) URL: http://t32k.me/

ALL (23) FILTER BY: [CONTENT \(6\)](#) | [COOKIE \(2\)](#) | [CSS \(6\)](#) | [IMAGES \(2\)](#) | [JAVASCRIPT \(4\)](#) | [SERVER \(6\)](#) [Tweet](#) [Share](#)

B Make fewer HTTP requests
F Use a Content Delivery Network (CDN)
A Avoid empty src or href
F Add Expires headers
F Compress components with gzip
A Put CSS at top
A Put JavaScript at bottom
B Avoid CSS expressions
n/a Make JavaScript and CSS external

Grade B on Make fewer HTTP requests

This page has 4 external Javascript scripts. Try combining them into one.
This page has 4 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

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PageSpeed Insights



Search

Home Products Events Showcase Live Groups

Overview

PageSpeed

Analysis

Insights

Insights Extensions

Insights API

Rules

FAQ

Optimization

Public DNS

Hosted Libraries

Protocols

Standards

Performance Best Practices

Articles

Tools



PageSpeed Insights
Make your web site faster

Enter a web page URL

ANALYZE

What is PageSpeed Insights?

PageSpeed Insights analyzes the content of a web page, then generates suggestions to make that page faster. Reducing page load times can reduce bounce rates and increase conversion rates. [Learn more](#)

PageSpeed Insights Resources

- [PageSpeed Insights for Chrome and Firefox](#)
- [PageSpeed Service](#)
- [mod_pagespeed for Apache](#)

PageSpeed Insights

Koji Ishimoto

t32k.me

About
Books
Apps
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Elements Resources Network Scripts Timeline Profiles Audits Console PageSpeed

Search PageSpeed

更新 消去

概要

■ 中間の優先度 (2 件)

重複するリソースは 1…
ブラウザのキャッシュを…

■ 低い優先度 (10 件)

圧縮を有効にする
JavaScript の解析を選…
小さな CSS をインライ…
CSS を縮小する
JavaScript を縮小する
HTML を縮小する
画像のサイズを指定する
文字セットを指定する
Vary: Accept-Encodin…
静的リソースからクエリ…

■ 試験的なルール (1 件)

■ 提案はもうありません。

(14 件)

概要

ページ Koji Ishimoto - t32k.me

提案の概要

ルール名をクリックして、改善のため提案できる読み込み時間の短縮方法を参照してください。

- **高い優先度。** これらの読み込み時間の短縮方法は、少ない開発努力で大きなパフォーマンスの効果を得る可能性があるものです。しかし、このサイトに関する高い優先度の提案はありません。
- **中間の優先度。** これらの読み込み時間の短縮方法は、それほど大きな効果が得られないものか、実装の作業量が多いものです。これらの項目は高い優先度の短縮方法の後で対処してください。
[重複するリソースは 1 つの URL から提供する、ブラウザのキャッシュを活用する](#)
- **低い優先度。** これらの読み込み時間の短縮方法は、効果が最も小さいものです。より高い優先度の項目に対処してから、これらの項目を検討してください。
[圧縮を有効にする、JavaScript の解析を遅延する、小さな CSS をインライン化する、CSS を縮小する、JavaScript を縮小する、HTML を縮小する、画像のサイズを指定する、文字セットを指定する、Vary: Accept-Encoding ヘッダーを指定する、静的リソースからクエリ文字列を削除する](#)
- **試験的なルール。** これらの読み込み時間の短縮方法は試験的なものですが、PageSpeed のスコア全体には影響しません。この項目は調査を要する領域を指し示していますが、有用性は場合によって異なります。
[Avoid a character set in the meta tag](#)
- **提案はもうありません。**。このページは既にこれらのベスト プラクティスを順守しているため、これらのルールに関する読み込み時間の短縮方法はありません。

YSlow / PageSpeed Insights

- ビギナー向け
- 一番最初に使用すべきツール
- 優先度の高いものから対応

II. ASP系

WebPagetest



Slow Mac?

Make your Mac run faster with award-winning app.

Download Now

HOME

TEST RESULT

TEST HISTORY

FORUMS

DOCUMENTATION

ABOUT



Test a website's performance

Analytical Review Visual Comparison Mobile Traceroute

t32k.me

Test Location

Dulles, VA USA (IE 6-9, Chrome, dynaTrace)

Select from Map

Browser

IE 8

Advanced Settings

1 run, DSL connection, results are public

START TEST

Run a free website speed test from multiple locations around the globe using real browsers (IE and Chrome) and at real consumer connection speeds. You can run simple tests or perform advanced testing including multi-step transactions, video capture, content blocking and much more. Your results will provide rich diagnostic information including resource loading waterfall charts, Page Speed optimization checks and suggestions for improvements.

If you have any performance/optimization questions you should visit the [Forums](#) where industry experts regularly discuss Web Performance Optimization.

Recent Industry Blog Posts

<style> tag to inline style="" attrib

Jumping in the Velocity Wayback Machine: 9 presentations that are still relevant today

SPDY Benchmark – Feedback Highlights

Recent Discussions

Results in WPTMonitor and ShowSlow

Script Task - foreach 10 minutes

How to understand TTFB and target TTFB

Web Page Performance Test for t32k.me

From: Dulles, VA - IE8 - DSL
 Thu Jun 28 2012 22:24:41 GMT+0900 (JST)

Page Speed 1.12 Score 100.00

C **A** **B** **C** **F** **X**

First Byte Time Keep-alive Enabled Compress Text Compress Images Cache static content CDN detected

WebPagetest

Re-run the test

[Raw page data](#) - [Raw object data](#)
[Export HTTP Archive \(.har\)](#)

| | Load Time | First Byte | Start Render | DOM Elements | Document Complete | | | Fully Loaded | | |
|-------------|-----------|------------|--------------|--------------|-------------------|----------|----------|--------------|----------|----------|
| | | | | | Time | Requests | Bytes In | Time | Requests | Bytes In |
| First View | 4.489s | 0.877s | 2.781s | 264 | 4.489s | 24 | 311 KB | 5.126s | 27 | 330 KB |
| Repeat View | 3.565s | 0.532s | 1.454s | 264 | 3.565s | 15 | 74 KB | 3.565s | 15 | 74 KB |

| | Waterfall | Screen Shot |
|----------------------|-----------|-------------|
| First View (4.489s) | | |
| Repeat View (3.565s) | | |

Content Breakdown

Requests

Bytes

Mobitest



powered by

Test Your Website Performance On A Mobile Device

Enable Video Capture?

*Note that video recording impacts load times

Make Results Private?

Run Performance Test

Mobitest - Free Mobile Web Performance Measurement Tool

Mobitest is a free tool that was initially created for us at Blaze.io (an automated web performance optimization solution) to get a deeper understanding of how to improve our customer's mobile web performance.

The data we uncovered was extremely useful, so we decided to release the tool publicly for free to make the same data available to fellow performance enthusiasts.

If you're looking for ways to measure and improve your mobile performance the Mobitest mobile measurement tool is a great start.

58

Tweet 299



Mobile Performance Results for: <http://t32k.me/>

Mobitest



Performance Result Averages for iPhone (iOS 5.0) in Canada, Ottawa

| AVERAGE LOAD TIME | AVERAGE PAGESIZE |
|-------------------|------------------|
| 7.71s | 374.71kb |



Your website is faster than 60% of tested websites

Want to learn more about how The Mobitest Performance Tool works and the Percentile is calculated? Visit our Methodology page

Note: Percentiles are adjusted based on factors such as device and video capture

[View Methodology](#)

[Tweet](#) 0 [Share](#) 0 [Share](#) [View HAR file](#)

Test 1:

| LOAD TIME | PAGESIZE | WATERFALL CHART | SCREENSHOT |
|-----------|----------|-----------------|------------|
| 7.71s | 374.71kb | | |

Google Analytics



Navigation Timing API

1: navigationStart

2: unloadEventStart

3: unloadEventEnd

4: redirectStart

5: redirectEnd

6: fetchStart

7: domainLookupStart

8: domainLookupEnd

9: connectStart

10: connectEnd

11: secureConnectionStart

12: requestStart

13: responseStart

14: responseEnd

15: domLoading

16: domInteractive

17: domContentLoadedEventStart

18: domContentLoadedEventEnd

19: domComplete

20: loadEventStart

21: loadEventEnd



WebPagetest / Mobitest / GA

- 無料でありながら高機能
- ウォーターフォールチャートの確認
- ユーザーに近い読み込み時間の確認

III. デベロッパーツール系

Developer Tool

Koji Ishimoto - t32k.me

t32k.me

Koji Ishimoto

- About
- Books
- Apps
- Talks

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About

| Name Path | Method | Status Text | Type | Initiator | Size Content | Time Latency | Timeline |
|---|--------|-------------|-----------------|-------------------------------------|---------------------|-----------------|------------|
| http://t32k.me/ | GET | 200 OK | text/html | Other | 10.80KB | 19ms | |
| base.css
s.t32k.me/c/skelton | GET | 200 OK | text/css | http://t32k.me/:18
Parser | 10.57KB
10.27KB | 47ms
41ms | |
| skeleton.css
s.t32k.me/c/skelton | GET | 200 OK | text/css | http://t32k.me/:19
Parser | 9.62KB
9.32KB | 45ms
38ms | |
| layout.css
s.t32k.me/c/skelton | GET | 200 OK | text/css | http://t32k.me/:20
Parser | 2.00KB
1.70KB | 51ms
50ms | |
| doc.css
s.t32k.me/c/skelton | GET | 200 OK | text/css | http://t32k.me/:21
Parser | 4.52KB
4.22KB | 44ms
41ms | |
| plusone.js
apis.google.com/js | GET | (pending) | Pending | http://t32k.me/:30
Parser | 13B
0B | 3ms
0.0 days | |
| widgets.js
platform.twitter.com | GET | 200 OK | application/... | http://t32k.me/:30
Parser | 15.33KB
45.43KB | 22ms
15ms | 15ms → 7ms |
| plusone.js
apis.google.com/js | GET | 200 OK | application/... | http://apis.google.com/
Redirect | 0B
13.78KB | 116ms
114ms | |
| ga.js
www.google-analytics.com | GET | 200 OK | text/javascr... | http://t32k.me/:28
Script | 14.71KB
35.78KB | 25ms
21ms | |
| S1lehNHqNL_SL160.jpg
ecx.images-amazon.com/images/I | GET | 200 OK | image/jpeg | http://t32k.me/:74
Parser | 6.69KB
6.25KB | 48ms
28ms | |
| lr
www.assoc-amazon.jp/e | GET | 200 OK | image/gif | http://t32k.me/:74
Parser | 159B
42B | 155ms
118ms | |
| profile.jpg
s.t32k.me/i | GET | 200 OK | image/jpeg | http://t32k.me/:56
Parser | 12.41KB
12.11KB | 45ms
23ms | |
| fastbutton
plusone.google.com/_f+1 | GET | 200 OK | text/html | plusone.is:17
Script | 0B
4.43KB | 262ms
141ms | |
| all.js
connect.facebook.net/en_US | GET | 200 OK | application/... | http://t32k.me/:143
Script | 54.69KB
174.35KB | 65ms
31ms | |
| tweet_button.1340179658.html
platform.twitter.com/widgets | GET | 200 OK | text/html | widgets.is:1
Script | 21.38KB
54.10KB | 55ms
35ms | |
| cb=gapi.loaded_0
apis.google.com/_/appv-static/_/js/gapi/lf... | GET | 200 OK | text/javascr... | plusone.is:3
Script | 0B
98.16KB | 181ms
4ms | |
| t.gif | GET | 200 | image/gif | tweet_button.13401796... | 405B | 290ms | |

Firebug

t32k.me

Koji Ishimoto

About

Books

Apps

Talks

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About



Web Designer

コンソール
HTML
CSS
スクリプト
DOM
ネット

クリア
持続
すべて
HTML
CSS
JS
XHR
画像
Flash
メディア

| URL | ステータス | ドメイン | サイズ | リモート IP | タイムライン |
|-----------------------------------|------------------|--------------------------|---------|--------------------|--------|
| ▶ GET www.t32k.me | 304 Not Modified | t32k.me | 10.5 KB | 59.106.27.155:80 | 11ms |
| ▶ GET base.css | 304 Not Modified | s.t32k.me | 10.3 KB | 59.106.27.155:80 | 8ms |
| ▶ GET skeleton.css | 304 Not Modified | s.t32k.me | 9.3 KB | 59.106.27.155:80 | 8ms |
| ▶ GET layout.css | 304 Not Modified | s.t32k.me | 1.7 KB | 59.106.27.155:80 | 8ms |
| ▶ GET doc.css | 304 Not Modified | s.t32k.me | 4.2 KB | 59.106.27.155:80 | 9ms |
| ▶ GET plusone.js | 304 Not Modified | apis.google.com | 6.4 KB | 173.194.38.96:80 | 107ms |
| ▶ GET widgets.js | 304 Not Modified | platform.twitter.com | 14.9 KB | 23.3.95.144:80 | 5ms |
| ▶ GET ga.js | 304 Not Modified | google-analytics.com | 14.3 KB | 173.194.38.101:80 | 3ms |
| ▶ GET profile.jpg | 304 Not Modified | s.t32k.me | 12.1 KB | 59.106.27.155:80 | 4ms |
| ▶ GET 51lehNHqINL_5L160.jpg | 304 Not Modified | ecx.images-amazon.com | 6.2 KB | 54.240.164.167:80 | 10ms |
| ▶ GET ir?t=warikiru-22&l=ur2&o | 200 | assoc-amazon.jp | 42 B | 176.32.123.27:80 | 110ms |
| ▶ GET __utm.gif?utmwv=5...D(no | 200 OK | google-analytics.com | 35 B | 173.194.38.101:80 | 4ms |
| ▶ GET cb=gapi.loaded_0 | 304 Not Modified | apis.google.com | 31.9 KB | 173.194.38.96:443 | 5ms |
| ▶ GET fastbutton?bsv=pr&...A%2F | 200 OK | plusone.google.com | 4.6 KB | 173.194.38.96:443 | 117ms |
| ▶ GET all.js#appId=2028878331: | 200 OK | connect.facebook.net | 54.3 KB | 23.3.95.139:80 | 38ms |
| ▶ GET tweet_button.13401...FK2F | 200 OK | platform.twitter.com | 21 KB | | 272ms |
| ▶ GET sprite4-a67f741843...54c3 | 304 Not Modified | ssl.gstatic.com | 21 KB | 173.194.38.111:443 | 124ms |
| ▶ GET xd_arbiter.php?ver...Df2b5i | 200 OK | static.ak.facebook.com | 9.2 KB | | 133ms |
| ▶ GET xd_arbiter.php?ver...Df2b5i | 200 OK | s-static.ak.facebook.com | 9.2 KB | | 135ms |
| ▶ GET oauth?api_key=2028...st%2 | 200 OK | facebook.com | 190 B | 66.220.149.94:80 | 143ms |
| ▶ GET rs=AltRSTNzelCTpLBUtYqf | 200 OK | plusone.google.com | 2.4 KB | | 123ms |
| ▶ GET t.gif?_=1340842615...4489 | 200 OK | p.twitter.com | 43 B | 23.3.95.144:80 | 4ms |
| ▶ GET count.json?url=htt...twtr.n | 200 OK | cdn.api.twitter.com | 80 B | | 68ms |
| ▶ GET cb=gapi.loaded_0 | 200 OK | plusone.google.com | 37.3 KB | | 19ms |
| ▶ GET cb=gapi.loaded_1 | 200 OK | plusone.google.com | 20.8 KB | | 21ms |
| ▶ GET like.php?api_key=2...ces=f | 200 OK | facebook.com | 7 KB | 66.220.149.94:80 | 205ms |
| ▶ GET Thl...IVdi5J0.ie | 200 OK | static.ak.fbcdn.net | 46.6 KB | | 4ms |

Developer Tool / Firebug

- より詳細な分析に利用
- Try&Errorの繰り返しに便利
- 要：結果から改善策を読み取る力

IV. スポット計測系

jsPerf

Test runner

Done Ready to run again.

Run again

Testing in Chrome 20.0.1132.43 on Mac OS X 10.7.4

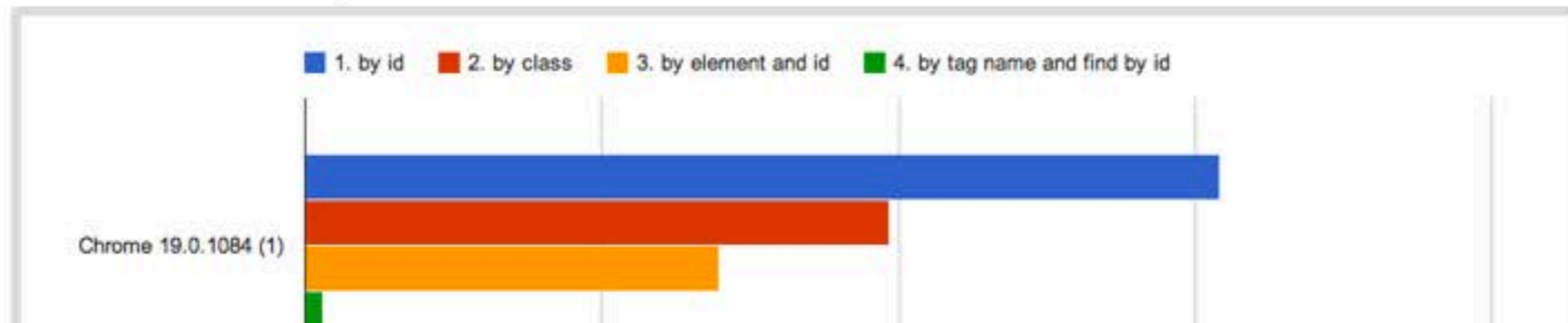
| Test | Ops/sec |
|--|--------------------------------|
| 1. by id
<code>\$('#container5').css('border', '1px solid red');</code> | 79,207
±2.32%
fastest |
| 2. by class
<code>\$('.container5').css('border', '1px solid red');</code> | 49,586
±1.77%
37% slower |
| 3. by element and id
<code>\$('#div#container5').css('border', '1px solid red');</code> | 36,028
±2.52%
55% slower |
| 4. by tag name and find by id
<code>\$('#div').find('#container5').css('border', '1px solid red');</code> | 1,471
±2.46%
98% slower |

Compare results of other browsers

Chart type: [bar](#), [column](#), [line](#), [pie](#), [table](#)

Filter: [popular](#), [all](#), [desktop](#), [family](#), [major](#), [minor](#), [mobile](#), [prerelease](#)

Browserscope



CSS Stress Test

About

Books

Apps

Talks

© 2007 t32k.me

About



Web Designer

石本 光司 (いしもと こうじ) 1983
デザイン部内のガイドライン作成・
対応のためWebアプリ・ネイティブ
世界の魅力にとりつかれてしまっ

また、個人ブログ「MOL - Designing for a Mobile World!」
書いている。月1回ペースでJavaScriptユーザーコミュニテ

- [GitHub](#)
- [Twitter](#)
- [Facebook](#)

Books

- 2011/09/26, iPhone & Android スマートフォンサイト制作の教科書



iPhone & Android スマートフォンサイト制作の教科書
こもりまさあき 谷拓樹 石本光司 いちがみトモロヲ

MdN 2011-09-26

Amazonで詳しく見る by G-Tools

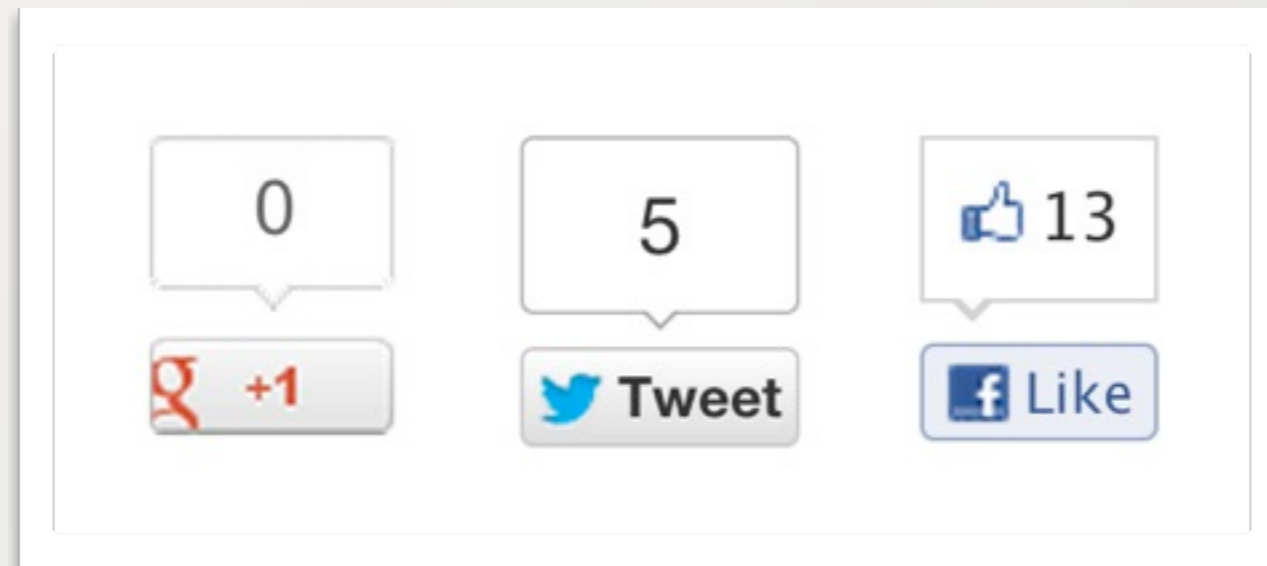


| Selector | # Elms. | # Child. | Delta | Total |
|---------------------------------------|---------|----------|--------|--------|
| Removing #logo | 1 | 0 adds | 0.19ms | 4.48ms |
| Removing .s | 1 | 19 adds | 0.30ms | 4.58ms |
| Removing .sidebar | 1 | 13 adds | 0.31ms | 4.60ms |
| Removing .content | 1 | 154 adds | 0.35ms | 4.63ms |
| Removing .twitter-share-button | 1 | 0 adds | 0.35ms | 4.63ms |
| Removing #facebook-jssdk | 1 | 0 adds | 0.37ms | 4.66ms |
| Removing .doc-section | 6 | 140 adds | 0.42ms | 4.71ms |
| Removing .clearfix | 4 | 100 adds | 0.42ms | 4.71ms |
| Removing .twitter-count-vertical | 1 | 0 adds | 0.46ms | 4.74ms |
| Removing .fb_edge_widget_with_comment | 1 | 2 adds | 0.47ms | 4.75ms |
| Removing .FB_UI_Hidden | 2 | 0 adds | 0.48ms | 4.76ms |
| Removing .large | 1 | 0 adds | 0.49ms | 4.77ms |
| Removing .columns | 2 | 167 adds | 0.49ms | 4.77ms |
| Removing #i0_1340842332862 | 1 | 0 adds | 0.50ms | 4.78ms |
| Removing .fb_ltr | 1 | 0 adds | 0.50ms | 4.78ms |
| Removing .fig | 2 | 0 adds | 0.50ms | 4.79ms |
| Removing .offset-by-one | 1 | 154 adds | 0.52ms | 4.80ms |
| Removing #fb_xdm_frame_https | 1 | 0 adds | 0.54ms | 4.82ms |
| Removing #ga | 1 | 0 adds | 0.54ms | 4.83ms |
| Removing .three | 1 | 13 adds | 0.56ms | 4.84ms |

Selectors Tested: 27
Baseline Time: 4.28ms
Num. Tests: 563

jsPerf / CSS Stress Test

- 最初から使わない (考えない)
- サイト制作に合わせて利用



Measuring Social Interaction with Google Analytics

Social Action



Cost: 0.8~1.0sec

Social Action: 0.01~0.2%

 イイネ! 200

 2

 ツイート 51

 いいね! 50

 イイネ! 200  B! 2  ツイート 51  いいね! 50



Sharing options for a post:

- Messenger: いいね! 200
- Blog: B! 2
- Twitter: ツイート 51
- Facebook: いいね! 50



Selected sharing options:

- Messenger icon
- Blog icon (B!)
- Twitter icon
- Facebook icon (circled in green)

Facebook sharing window:

Facebook

www.facebook.com/sharer/sharer.php?src=...&u=http%3A%2F%2Fwww...

Share This Link

Share On your own timeline Friends

Write something...

 『Fate/Zero』 Blu-ray Disc Box II (ブルーレ...

<http://www.dmm.com/mono/dvd/-/detail/=/c...>

PCゲームをアニメ化した『Fate/stay night』のスピ...

ンオフシリーズのBOX第2弾。脱落者が増え、大きく...

進展する聖杯戦争。壮絶な決闘劇がさらに加熱して...

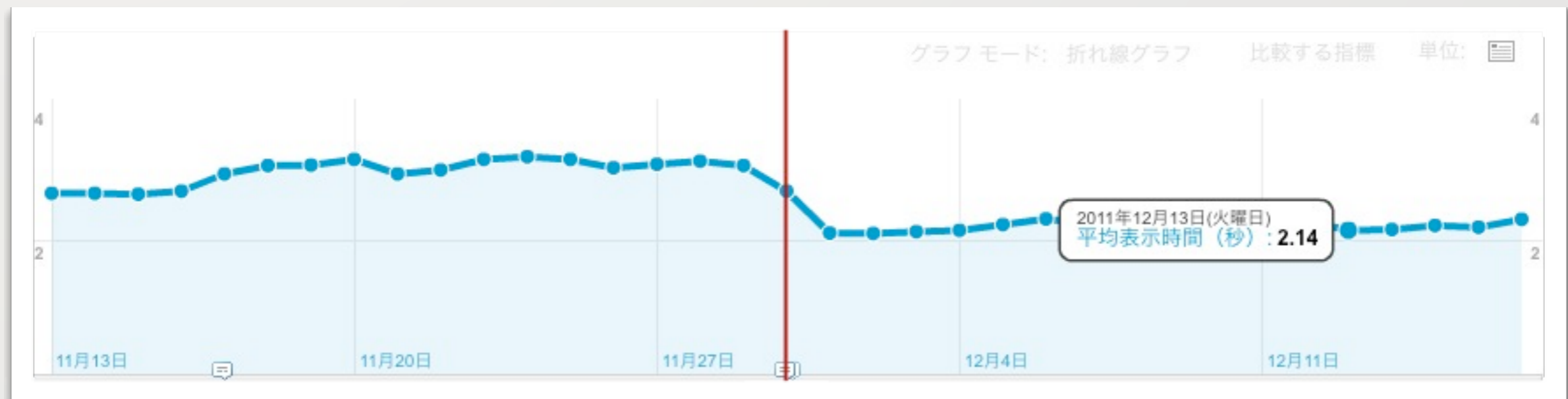
く。第14話...

1 of 1 Choose a thumbnail

No thumbnail

Share link Cancel

Remove JavaScript Files



-1000ms





計測 - 分析 - 最適化

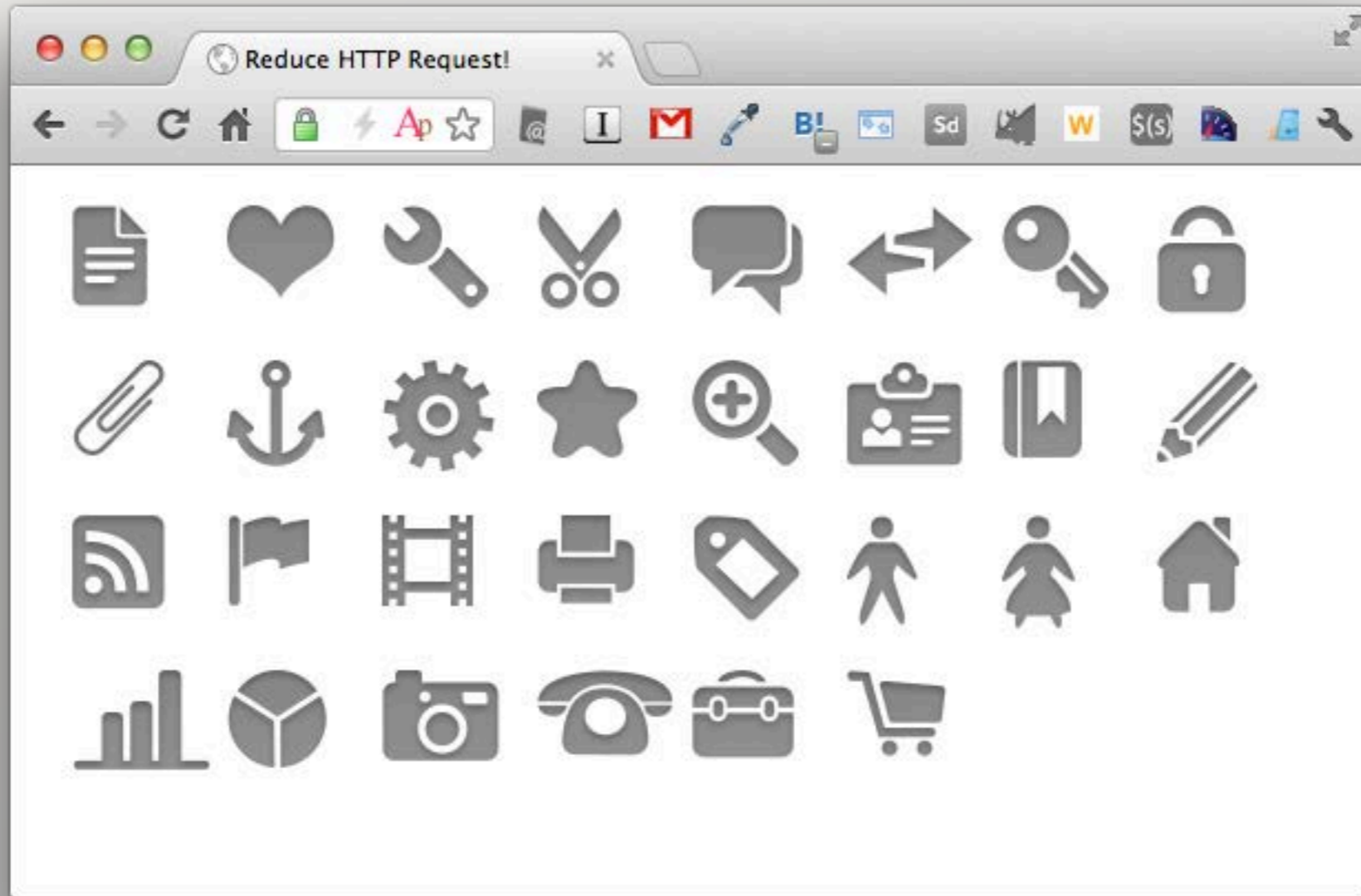
Conclusion



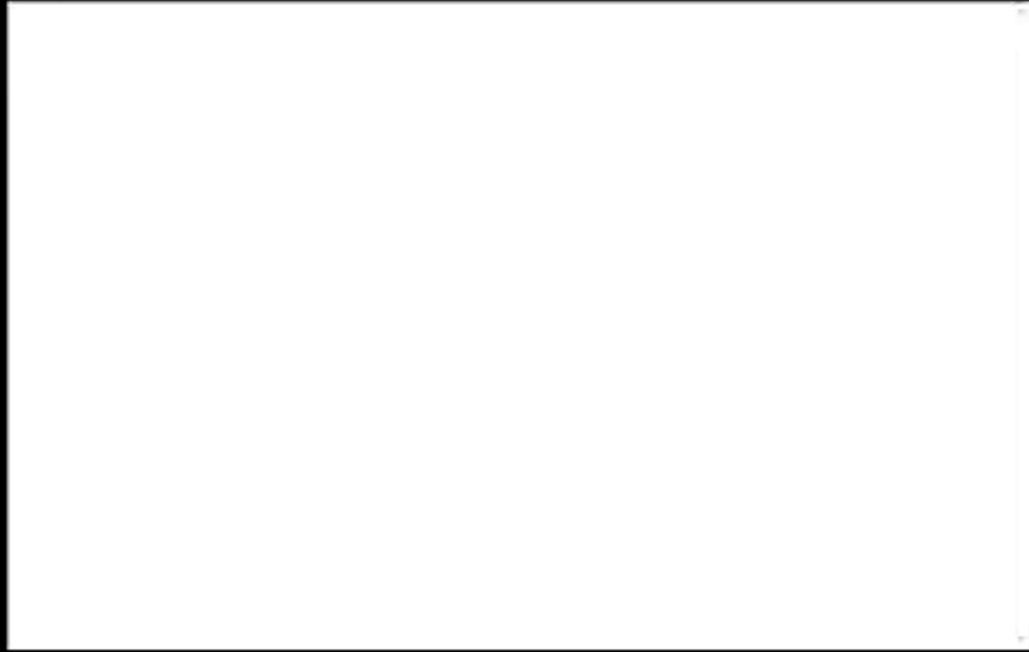
Network >>> CPU

今後**10**年間でインターネットの帯域幅速度は
57倍になると思われているが、コンピューター
の処理能力は**100**倍以上になるだろう。

[モバイルサイト vs. アプリ：来るべき戦略の転換 – U-Site](#)

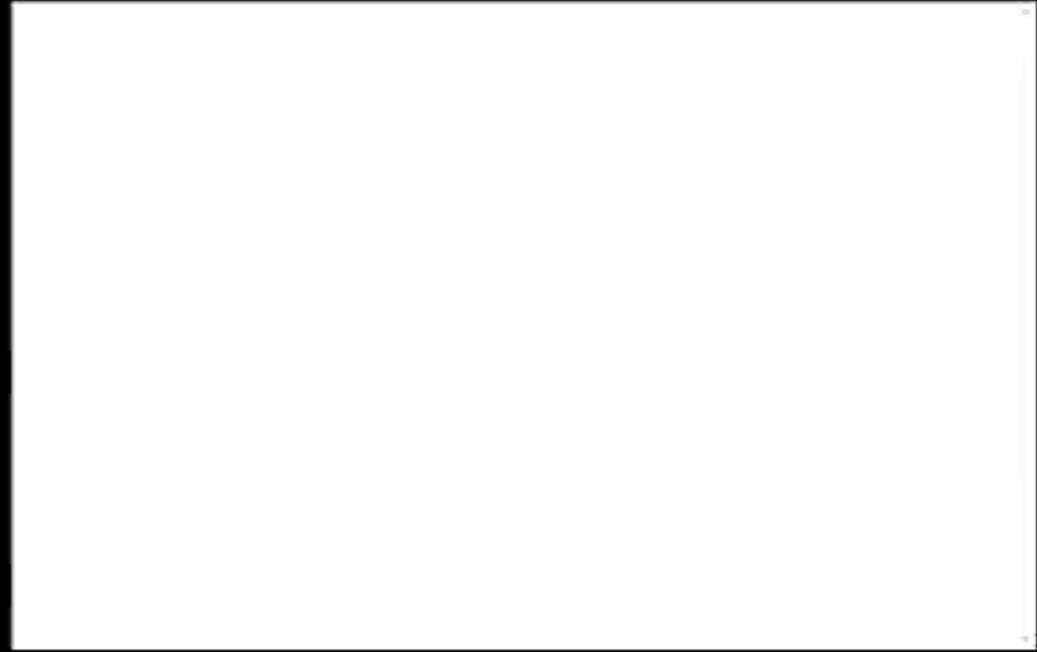


Default



0.0

Sprite



0.0

Minimize HTTP Requests! Requests 30 vs 1 (CSS Sprite)

Shut the f**k up and
write some code.

Shut the f**k up and
reduce some HTTP request.

A green plush toy, resembling a stylized character with a large head and small body, sits on a white spiral-bound notebook. A green pen lies horizontally on the notebook to the right of the toy. The background is a blurred desk with a white sheet of paper and a dark green textured object.

Thank you!

Photo Credit

- <http://www.flickr.com/photos/hamed/1552383685/>
- <http://www.flickr.com/photos/bradhoc/7343762168/>
- <http://www.flickr.com/photos/chaparralbrad/2414205811/>
- <http://www.flickr.com/photos/sonickt/371595048/>