

Joomla Mobile Performance: The Mythes Responsive

2013



2014

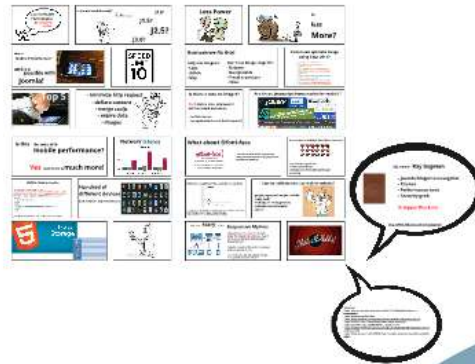


2015

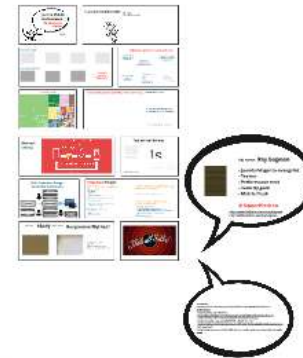


Joomla Mobile Performance: The Mythes Responsive

2013



2014



2015



2013


























My name: Ray Bogman

- Joomla/Magento evangelist
- Trainer
- Performance nerd
- Security geek

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<http://www.bogman.ru/2013/01/01/joomla-mobile-performance/>

2015

Joomla Mobile Performance:

The Responsive Mythes



Is Joomla! mobile ready?



Joomla 1.0 - No
Joomla 1.5 - Yes/No
Joomla 2.5 - Yes/No
Joomla 3.0 - Yes, they say so, but is it true?

J1.0?

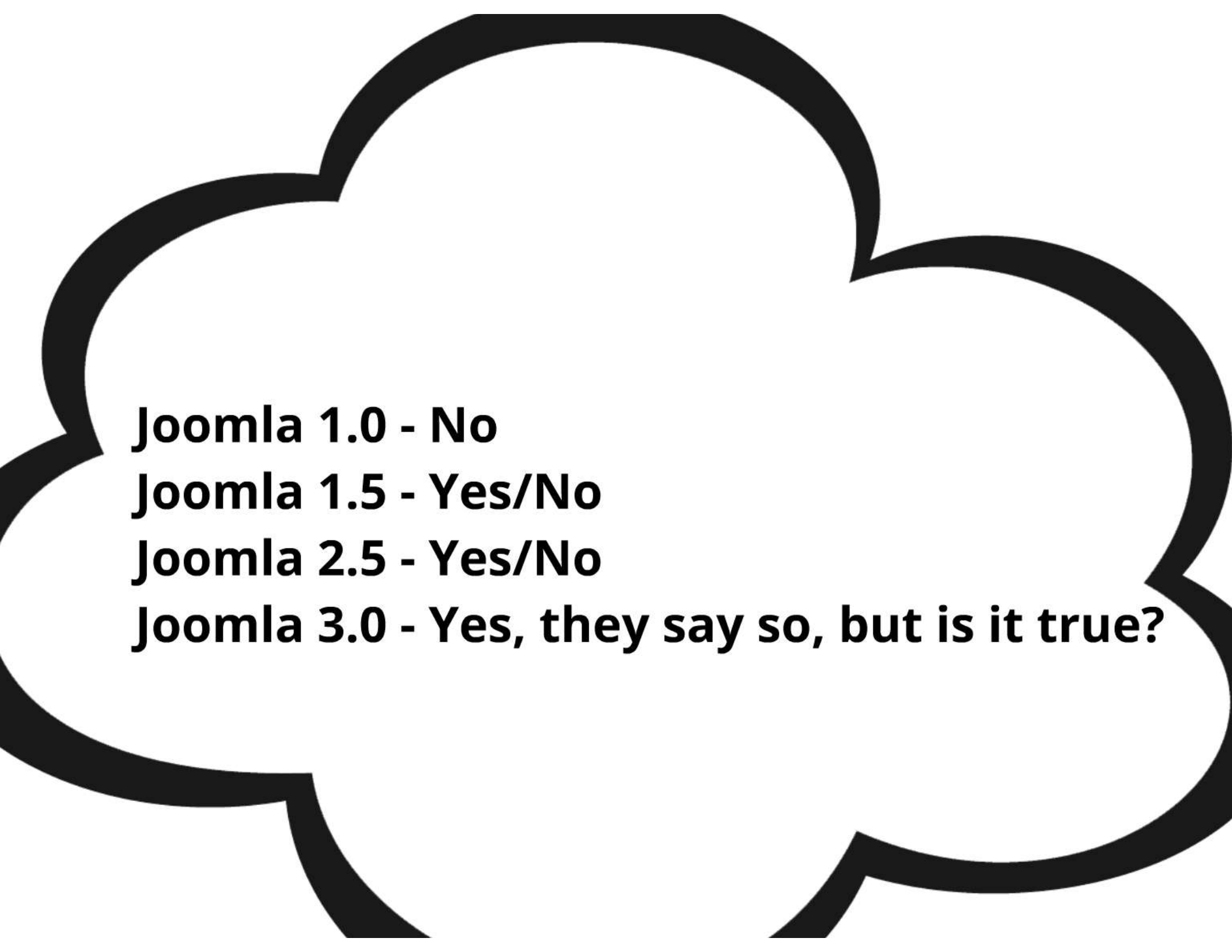
J1.5?

J2.5?

J3.0?



SPEED



Joomla 1.0 - No

Joomla 1.5 - Yes/No

Joomla 2.5 - Yes/No

Joomla 3.0 - Yes, they say so, but is it true?



What is
Mobile Performance?

and is it
possible with
Joomla!



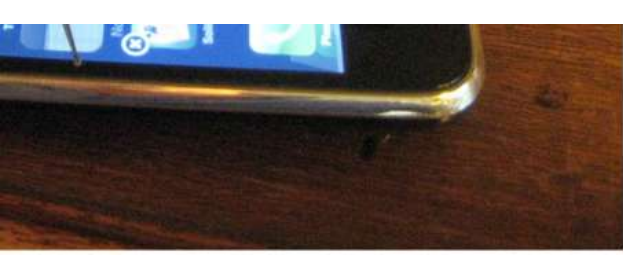
Top 5

- minim
defl

Top 5

basic performance



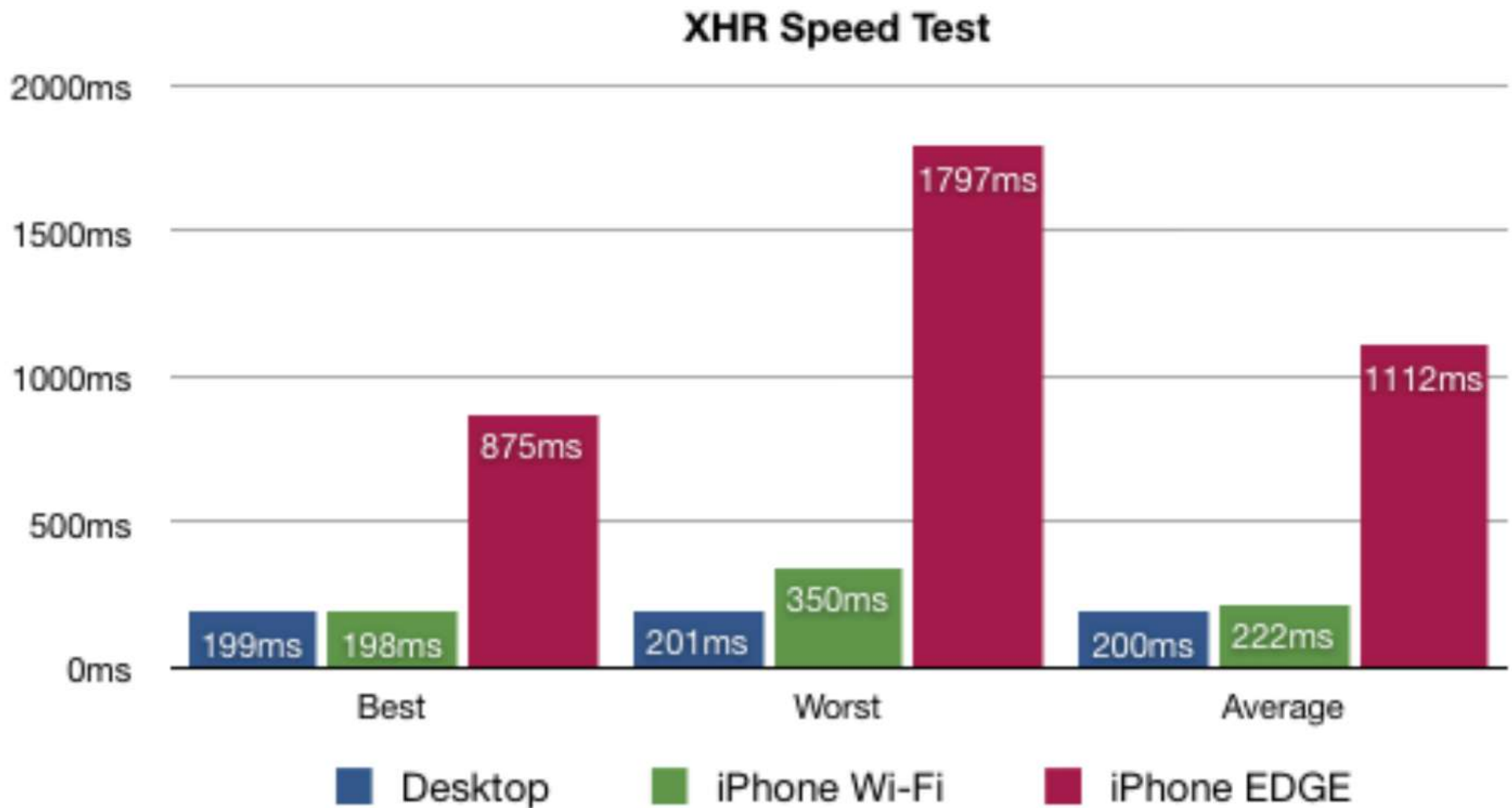


- minimize http request
- deflate content
- merge css/js
- expire data
- images



Network latency

Network latency



How do we optimize image using Data URI's?

```
1  /* Data URI images */
2  #top{background-image:url
    (data:image/
    gif;base64,R0lGODlhAQACAIAAAP///
    01NTSH5BAAAAAAALAAAAABAAIAAAICDA
    oA0w==)}
3  #nav-home a,#nav-services a,#nav-
    about a,#nav-contact a
    {background-image:url(data:image/
    png;base64,iVBORw0KGgoAAAANSUHEUg
    AAAIVAAAAALCAVAAAD1n1MVAACAAACyDEWHD
```

```
1  /* Data URI images */
2  #top{background-image:url
    (data:image/
    gif;base64,R0lGODlhAQACAIAAAP///
    01NTSH5BAAAAAAALAAAAAABAAIAAAICDA
    oA0w==)}
3  #nav-home a,#nav-services a,#nav-
    about a,#nav-contact a
    {background-image:url(data:image/
    png;base64,iVBORw0KGgoAAAANSUhEUg
    AAAIIVAAAAALCAVAAAD1nTMVAAAAACYPEWHB
```


- no apple-touch-icon (less request)

Tools: Javascript



What about @font-face

@font-face {

font-family: Fertigo;

src: url("Fertigo_PRO.otf") format("opentype"); }

h1 { font-family: Fertigo; color: #204A87;

text-shadow: #AAA 2px 2px 0px }

- not every mobile device supports this
- Using an extra request to eg. google-fonts: this does not speed up

What is a manifest file, and do I need this?

```
1 CACHE MANIFEST
2 #version 1
3
4 CACHE:
```

Can we va

- not always a good idea
- know your browser
- penalty on every subsequent page rendering

Can we validate/test our mobile website?

- google pagespeed insight - mobile
- ready.mobi
- mobileperf - firebug mobile
- validator.w3.org/mobile/
- weinre



Mythes

trick to auto



13 main_image.jpg backup_image.jpg

- store images in base64 offline storage for usage as inline images later
- Client Storage (localStorage and sessionStorage)
- Safari on iOS accepts up to 5 MB in offline storage

- validator.w3.org/m...
- [weinre](#)

what's the **story** on these

Responsive Mythes

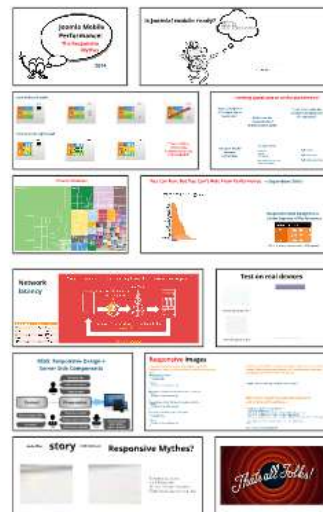


Responsive is a **very nice trick** to auto detect the browser size and scale. Does it **satisfy** on all the performance needs I showed before?

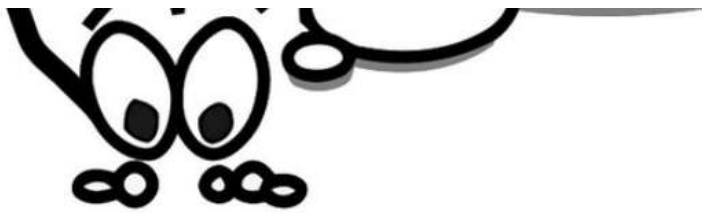
Consider a couple of things before you just pick a responsive theme.

It's **not** the one and only solution for the best optimized mobile website!

2014



2015



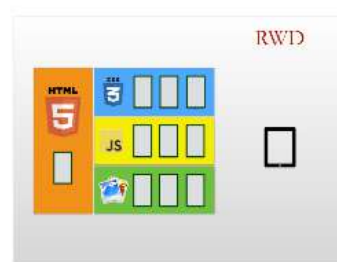
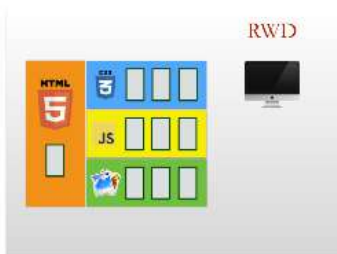
2014



How it should work:

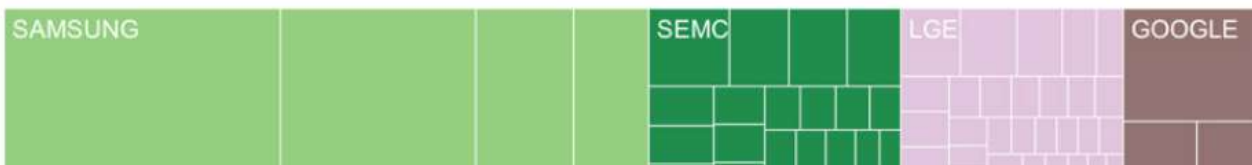


How it works right now!



"There's still no relationship between screen size and bandwidth"

Browser landscape



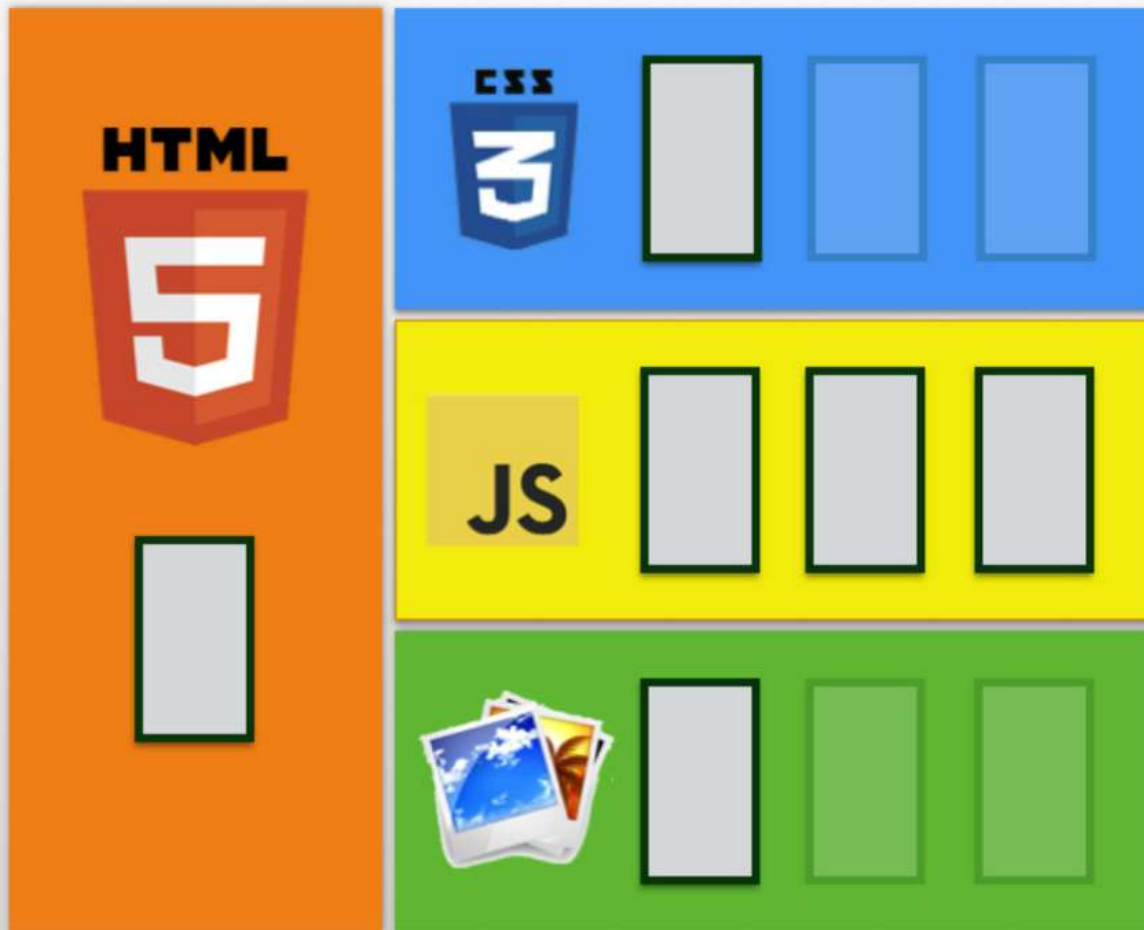
You Can Run, But You Can't Hide

Keynote 3-screen Web Performance
Super Bowl 2014 Advertisers

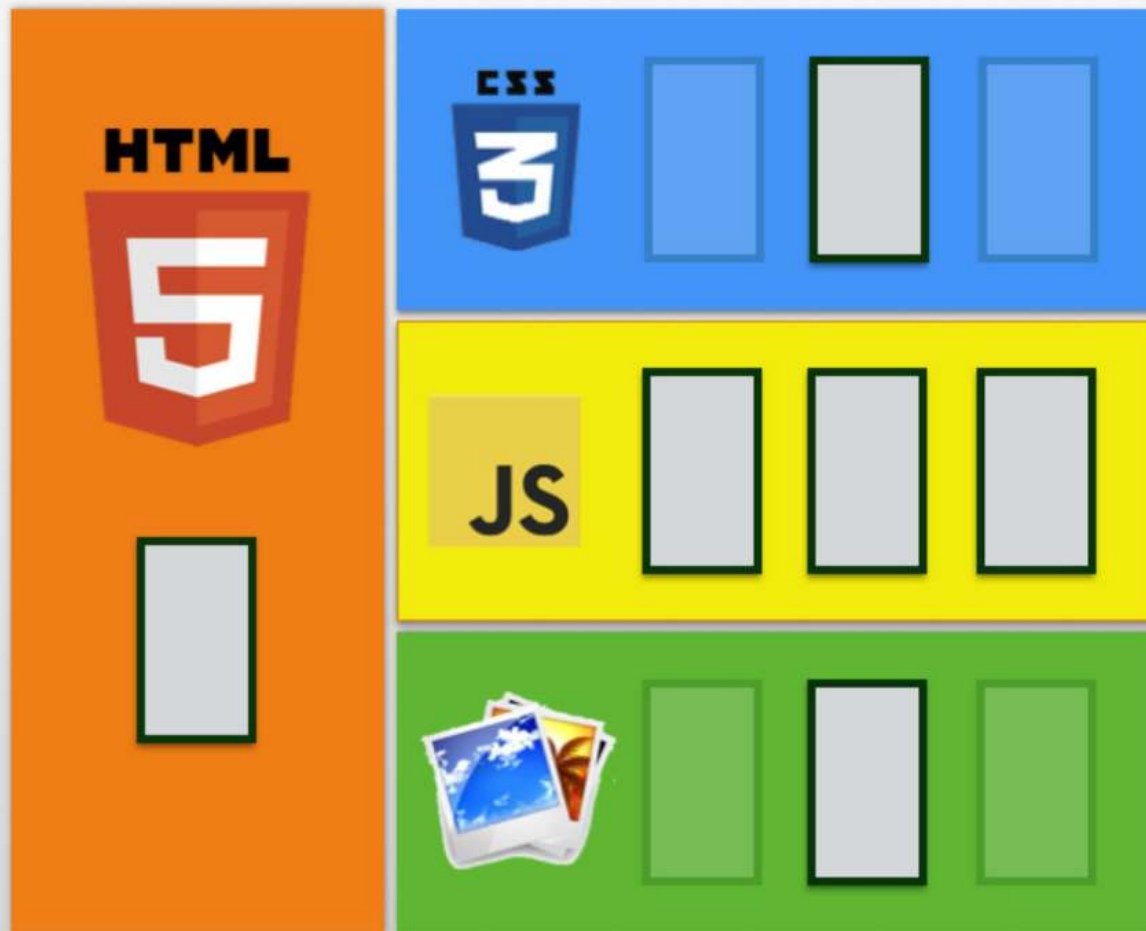
Measurement period: 12/01/13 - 12/01/14
Screens: Desktop (Internet Explorer 10 browser), iPad 2 (high-speed connection), iPhone 5 (cellular carrier)
Load Time (seconds)



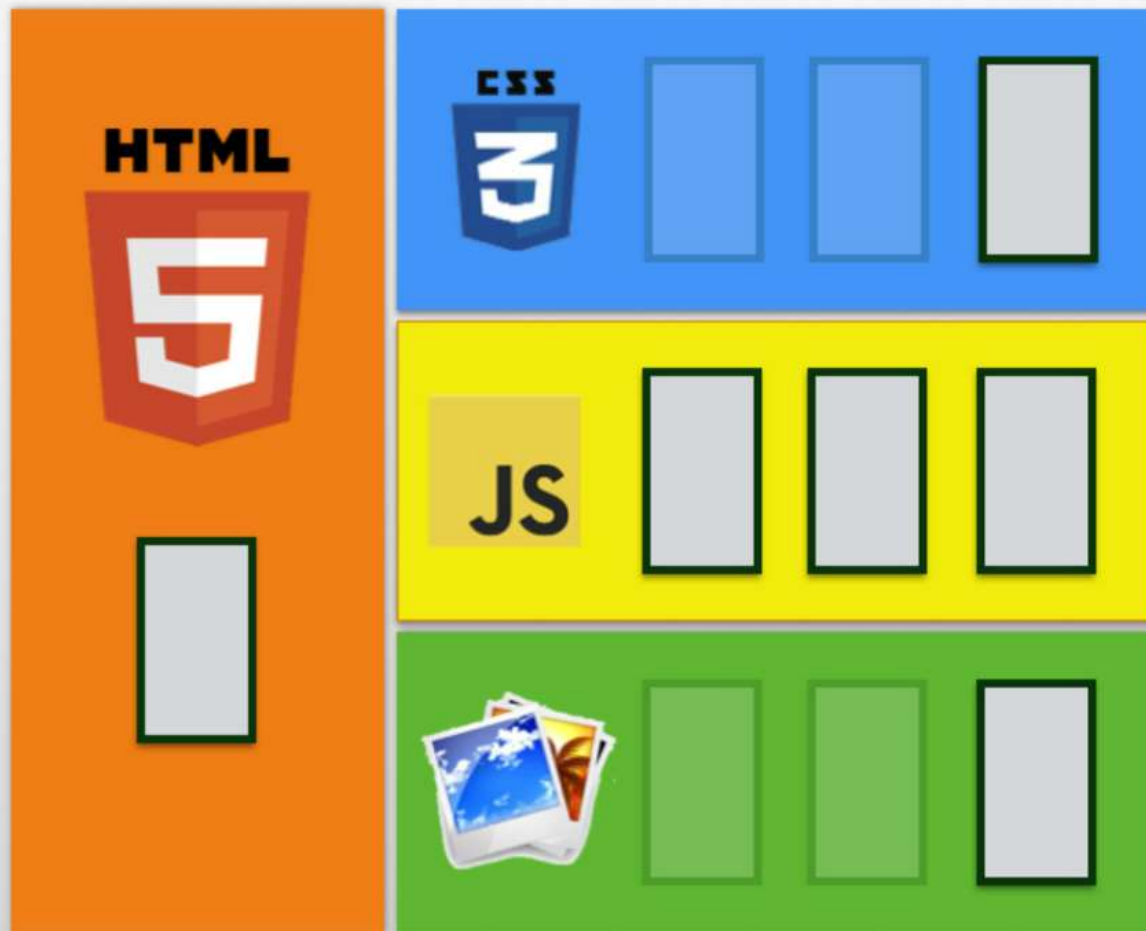
RWD



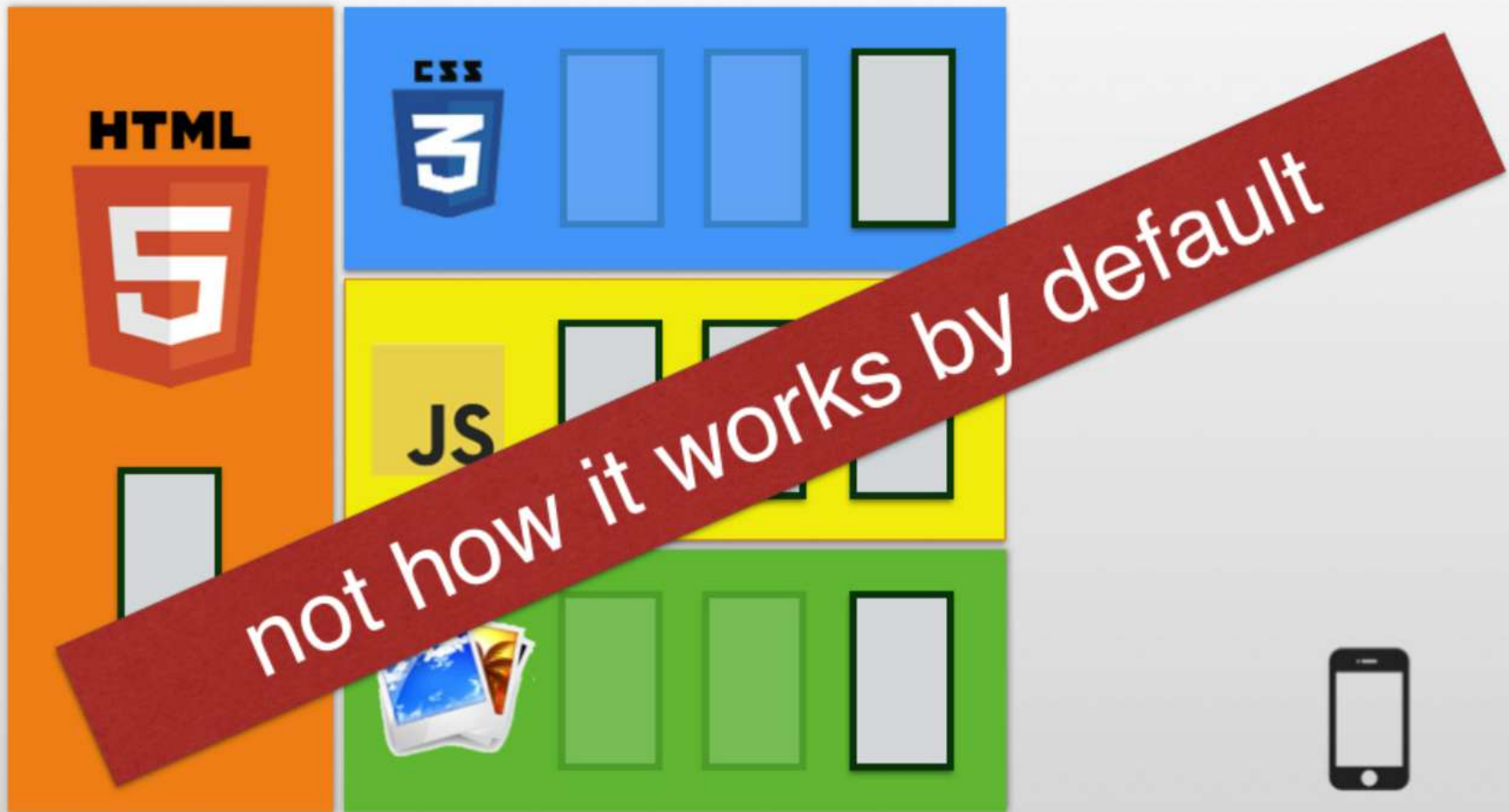
RWD



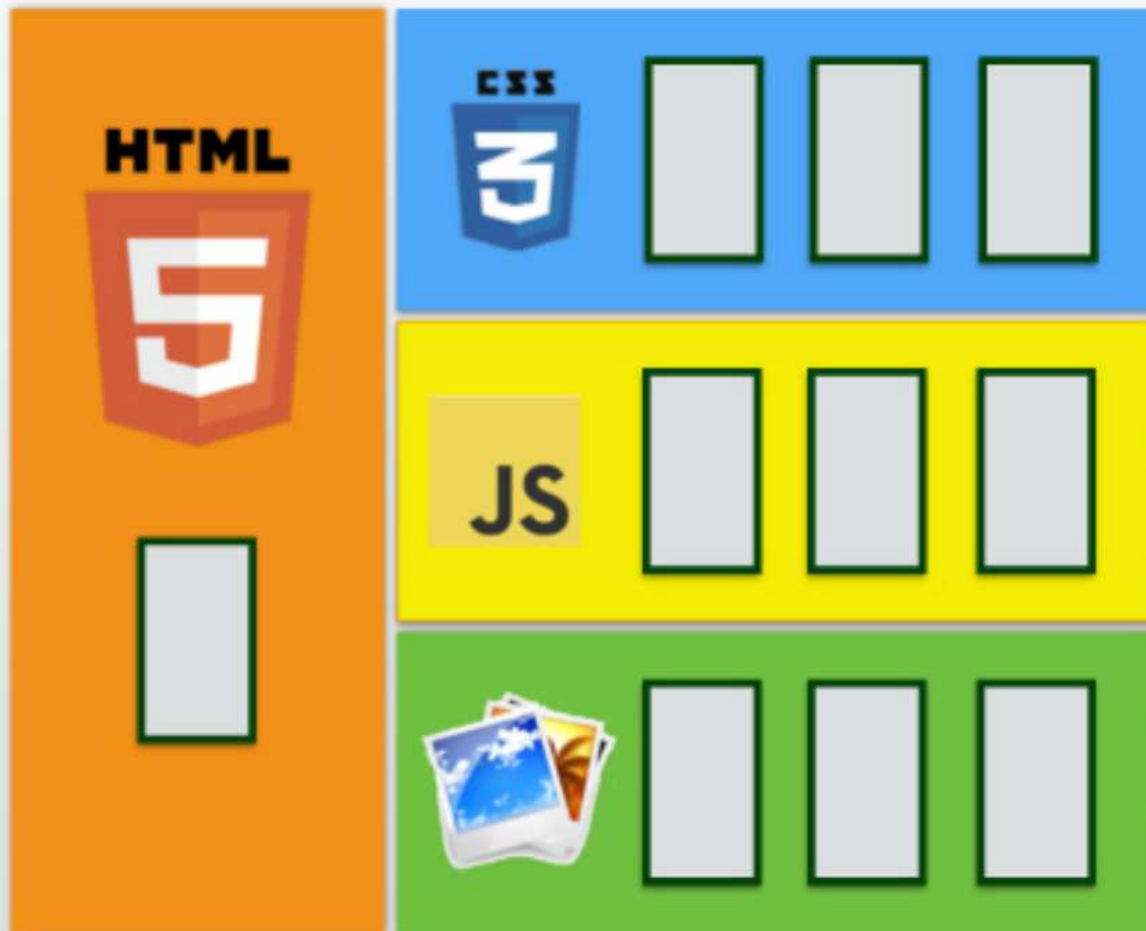
RWD



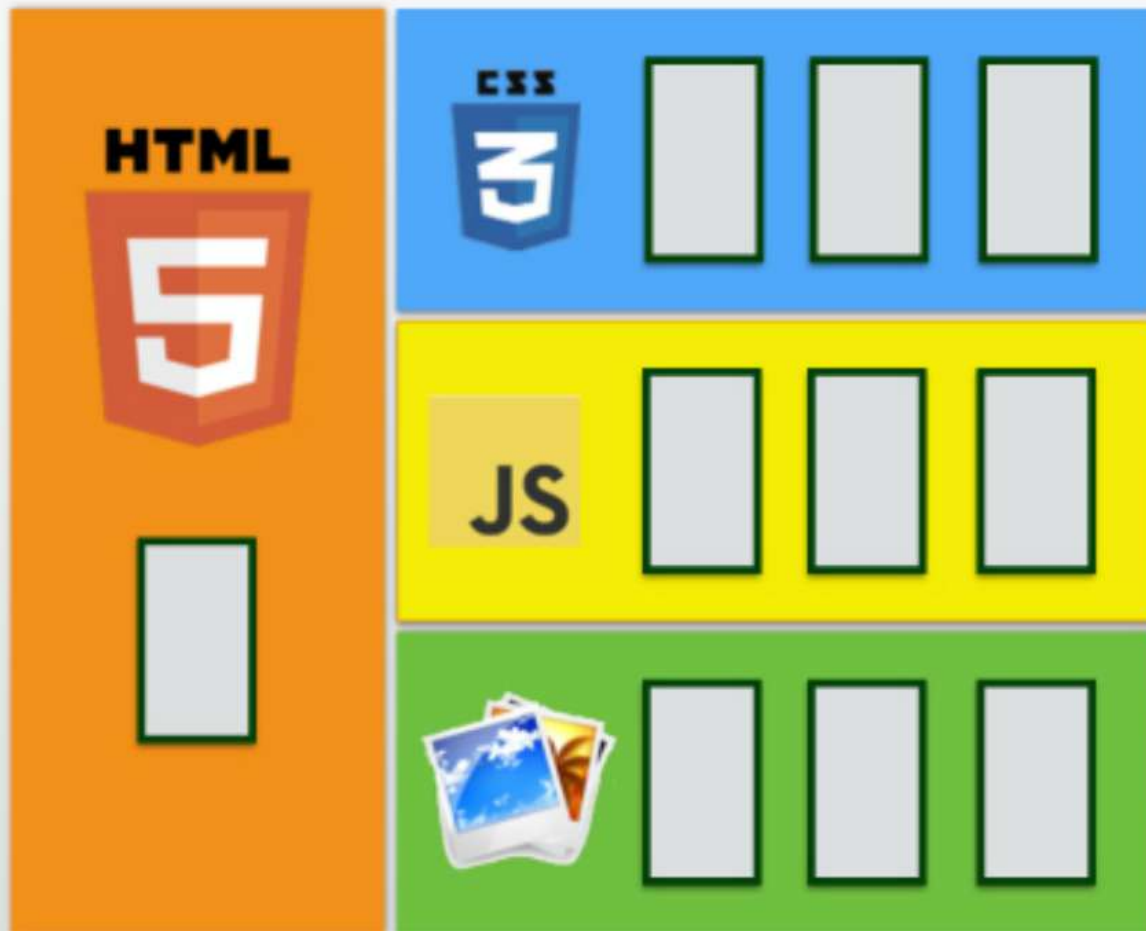
RWD



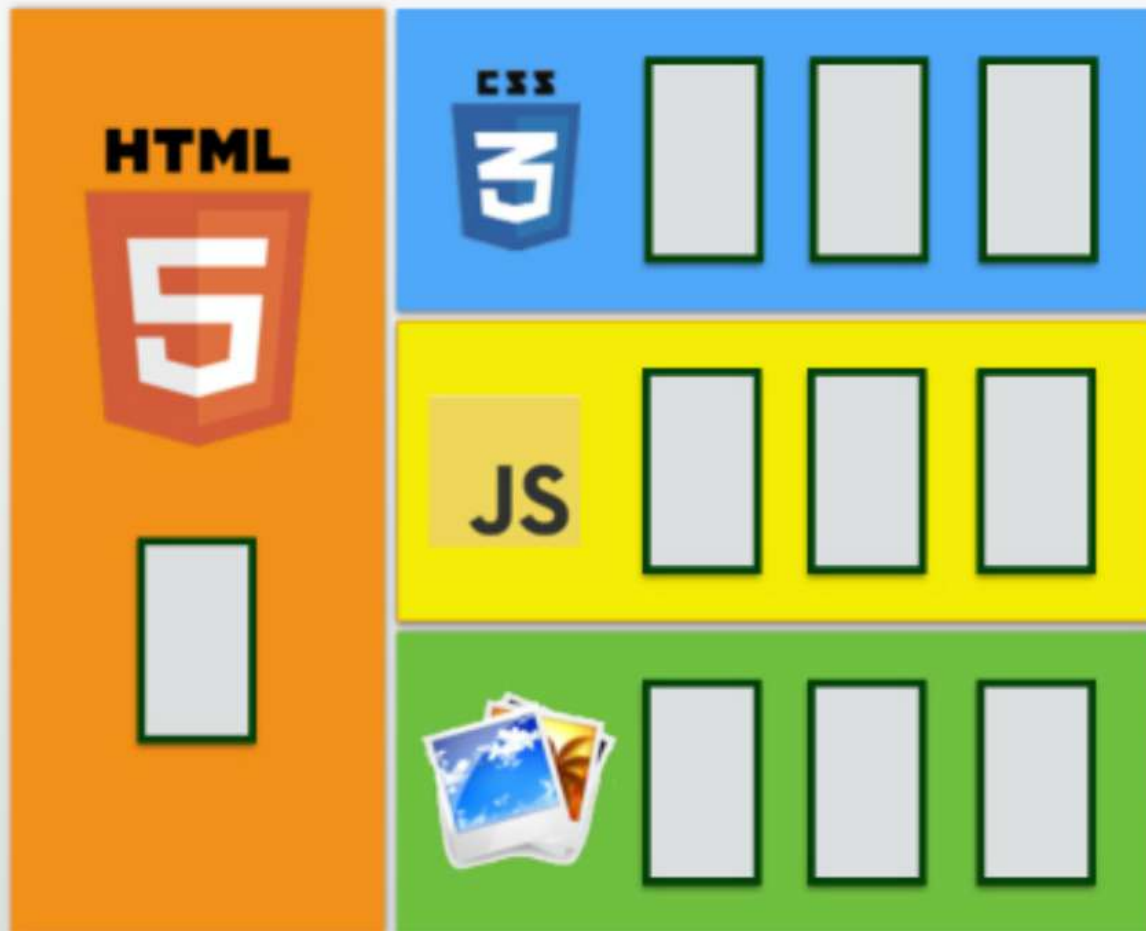
RWD



RWD

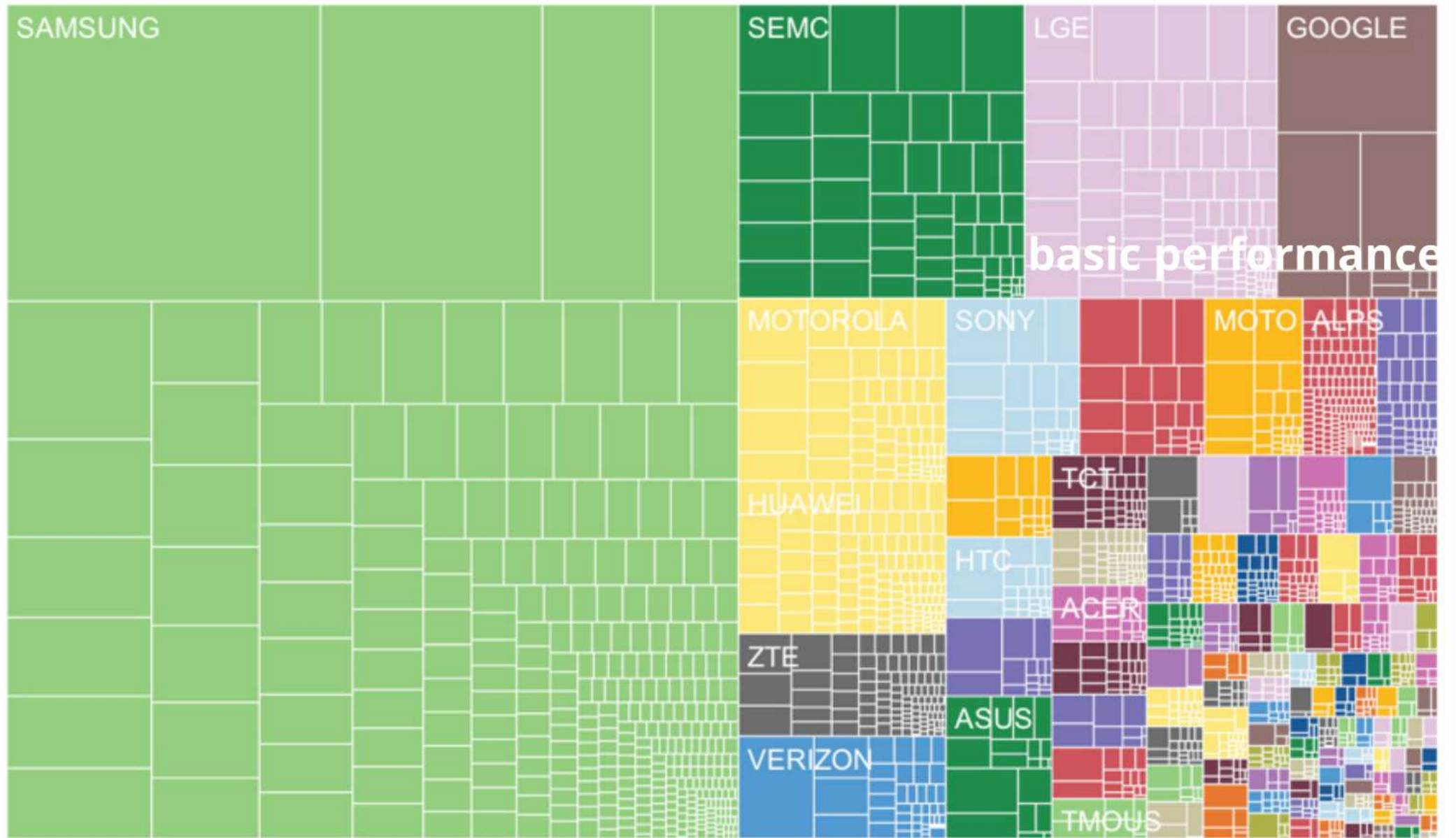


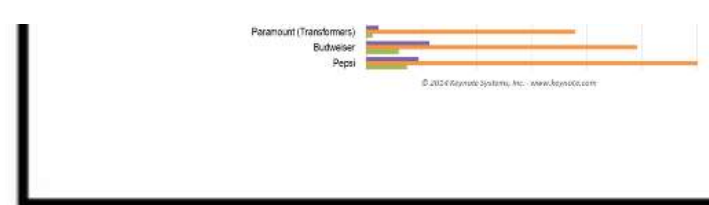
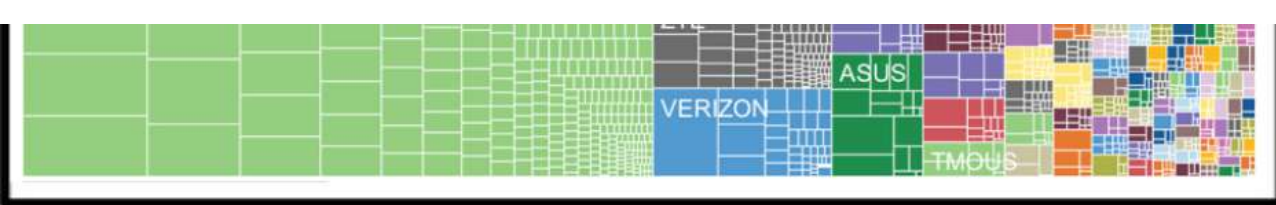
RWD



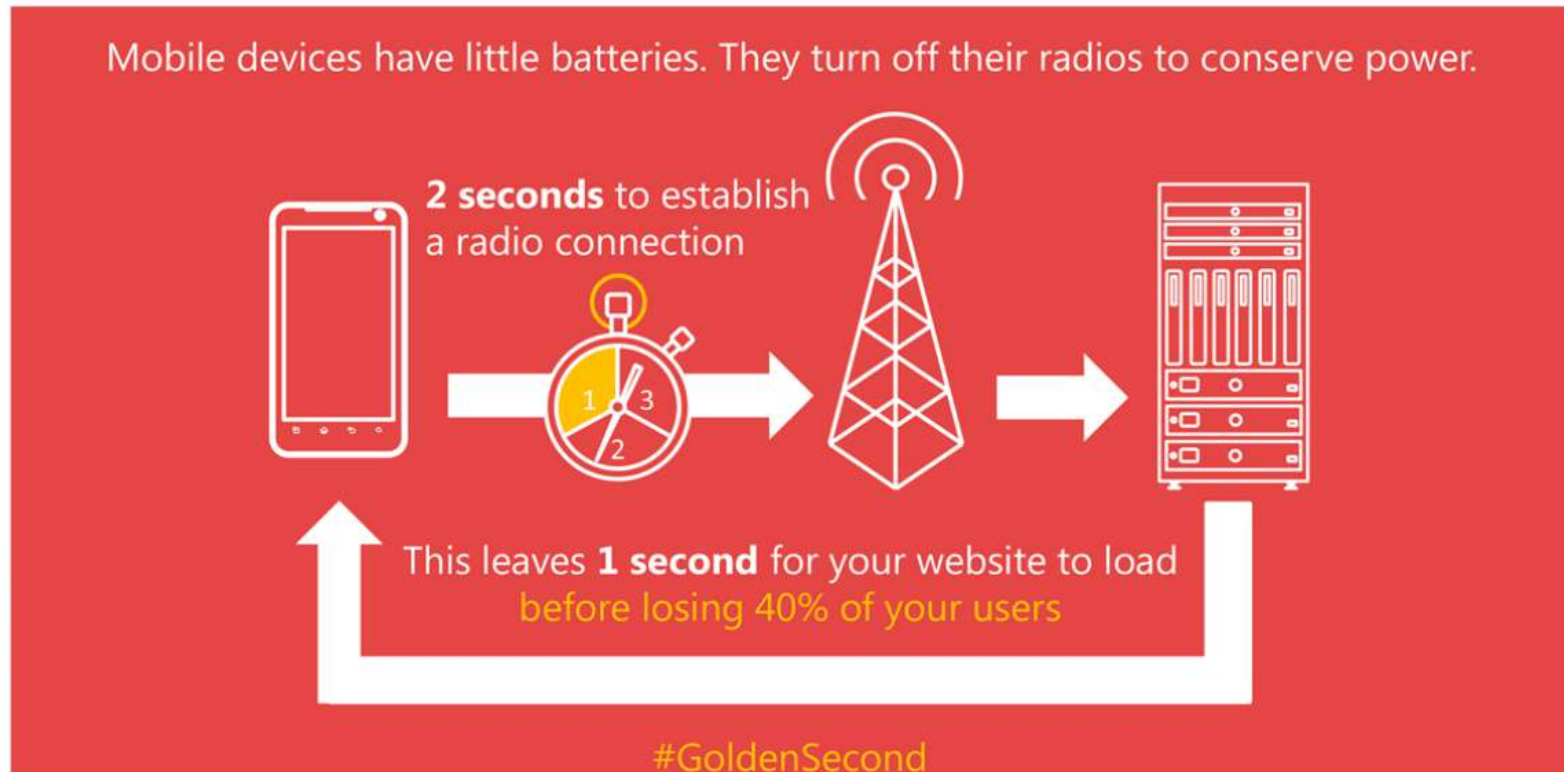
**"There's still no
relationship
between screen size
and bandwidth"**

Browser landscape





Network latency



Network	Generation	Expected Latency
LTE	4G	40 - 50ms
HSPA+	3.75G	100 - 200ms
HSPA	3.5G	150 - 200ms
EDGE	2.75G	600 - 750ms
GPRS	2.5G	600 - 750ms

RESS: Responsive Design + Server Side Components

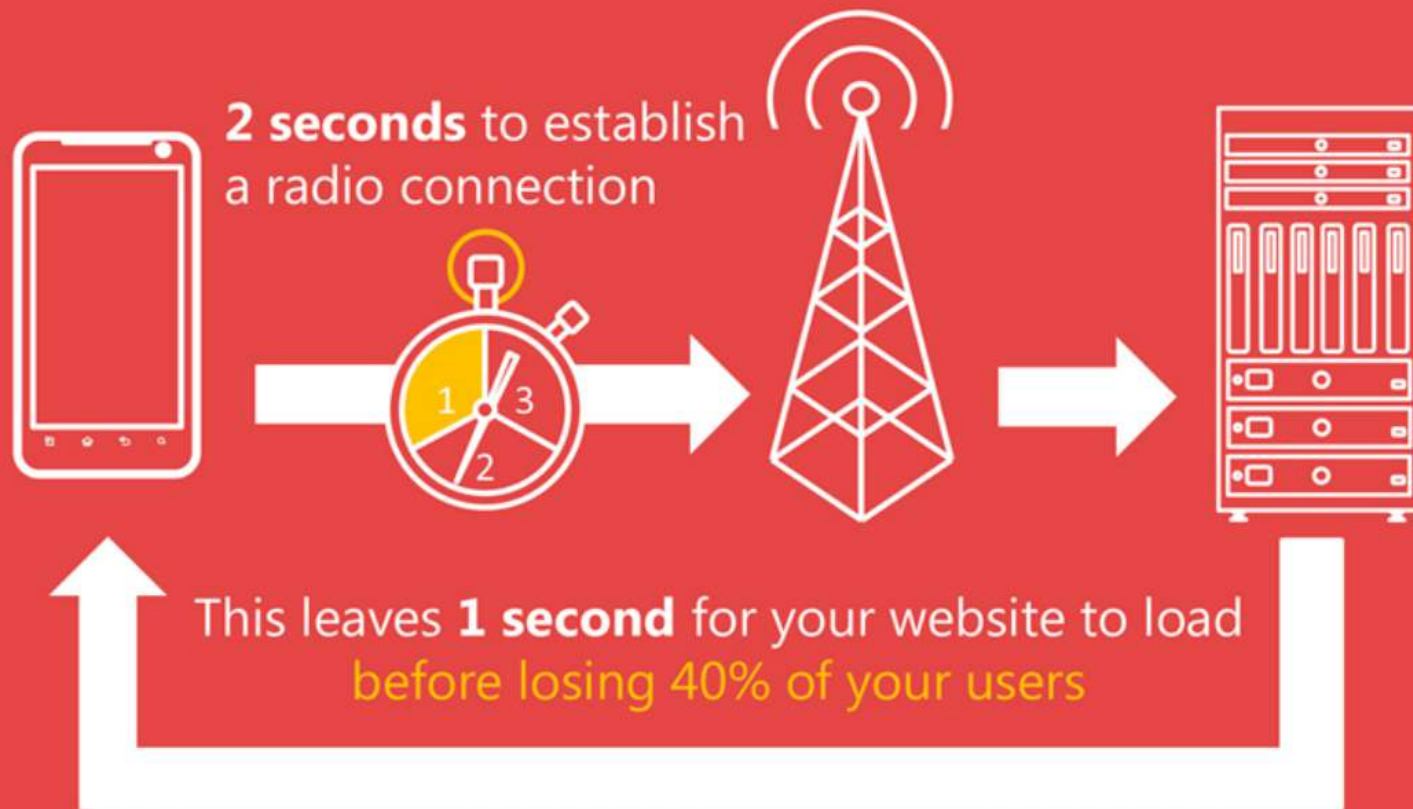
No black-box

Responsive Image

responsive-images technique that assigns a particular background image to a div according to media-queries

```
<style>
@media (max-width:390px) {
  #image-container {
    max-width: 109px;
```

Mobile devices have little batteries. They turn off their radios to conserve power.



#GoldenSecond

bsite to load
users



mite.keynote.com



Responsive Images

responsive-images technique that assigns a particular background image to a div according to media-query matches

```
<style>
@media (max-width:390px) {
  #image-container {
    max-width: 109px;
  }
  .image {
    background-image: url(image1.jpg);
  }
}
@media (max-width:390px) and (-webkit-min-device-pixel-ratio:1.5) {
  .image {
    background-image: url(image2.jpg);
  }
}
@media (max-width:390px) and (-webkit-min-device-pixel-ratio:2) {
  .image {
    background-image: url(image3.jpg);
  }
}
@media (min-width:391px) and (max-width:500px) {
  #image-container {
    max-width: 121px;
  }
  .image {
    background-image: url(image4.jpg);
  }
}
```

A different data-fullsrc responsive-images technique is used on the Boston Globe's responsive website. It's a combination of markup, JavaScript and a server-side redirect rule:

```

```

Microsoft's responsive website uses Scott Jehl's Picturefill technique:

```
<div data-picture data-alt="Alternate text here">
  <div data-src="image1.png"></div>
  <div data-src="image2.png" data-media="(min-device-pixel-ratio: 2.0)"></div>
  <div data-src="image3.png" data-media="(max-width: 539px)"></div>
  <div data-src="image4.png" data-media="(max-width: 539px) and (min-device-pixel-ratio: 2.0)"></div>

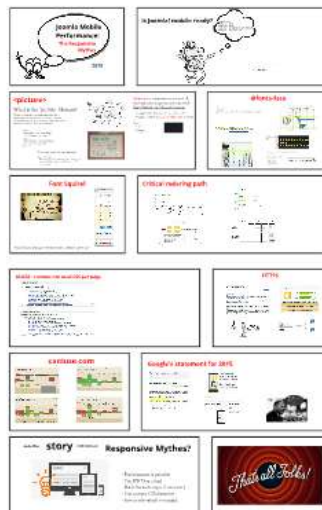
  <noscript></noscript>
</div>
```

<https://github.com/scottjehl/picturefill>

ive Mythes?



2015



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The Responsive Mythes



2015

Is Joomla! mobile ready?



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Joomla 3.0 - Yes, they say so, but is it true?
Joomla 3.4 - Yes, is it still true?

Joomla 3.0

The following information below is from the [Joomla! 3 introduction site](#).

Mobile Ready

Joomla! takes a big leap into the mobile space with a total overhaul of both its frontend design and administrator interface. With the adoption of the Bootstrap framework, Joomla! has become the first major CMS to be mobile ready in both the visitors and administrator areas. Now every website can have mobile friendly content for visitors and mobile friendly tools for administrators.

- Fully Responsive Site Template
- Fully Responsive Admin UI
- Fully Responsive Core Output

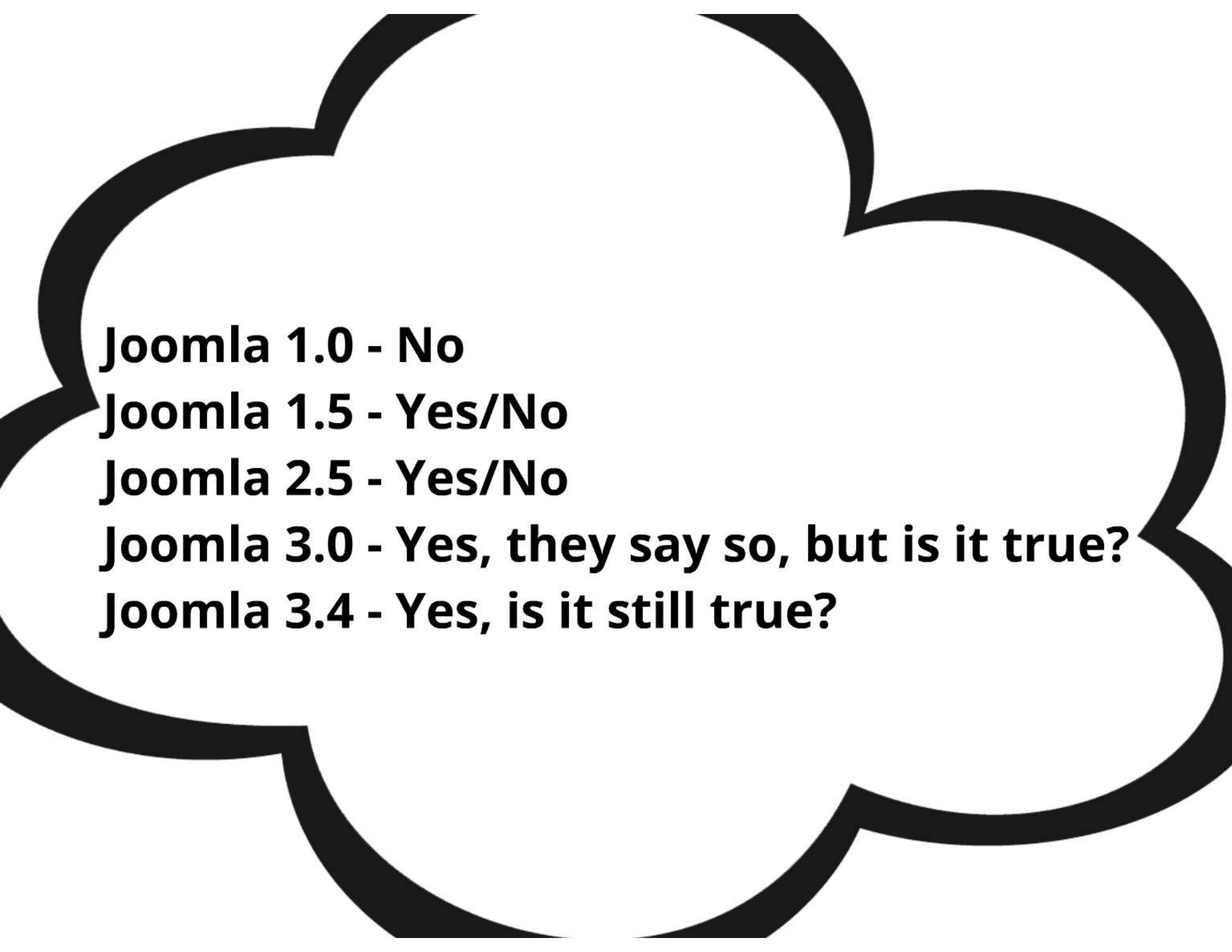
respimage is a responsive images polyfill,
that loads your images fast and responsibly
<https://github.com/aFarkas/respimage>

To support IE9 all source elements have to be
wrapped inside of an **audio** or **hidden video** element

@fonts-face

```
@font-face {  
  font-family: 'Nobile';  
  font-style: normal;  
  font-weight: 400;  
  src: local('Nobile'), local('Nobile-Regular'), url(http://fonts.gstatic.com/s/nobile/v5/dA.woff) format('woff');  
}
```





Joomla 1.0 - No

Joomla 1.5 - Yes/No

Joomla 2.5 - Yes/No

Joomla 3.0 - Yes, they say so, but is it true?

Joomla 3.4 - Yes, is it still true?

2015

<picture>

What is the `picture` Element?

The **picture** element is a markup pattern that allows developers to declare multiple sources for an image. By using media queries, it gives developers control as to when and if those images are presented to the user.

```
<picture>
  <source media="(min-width: 40em)"
    srcset="big.jpg 1x, big-hd.jpg 2x">
  <source
    srcset="small.jpg 1x, small-hd.jpg 2x">
  
</picture>
```

What are the `srcset` and `sizes` attributes?

```

```



Resimage is a responsive images polyfill, that loads your images fast and responsibly
<https://github.com/aFarkas/resimage>

To support IE9 all source elements have to be wrapped inside of an **audio** or **hidden video** element



Font Squirrel



Critical rednering p



<picture>

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```
<picture>  
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</source>
```


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```
<picture>  
  <source media="(min-width: 40em)"  
    srcset="big.jpg 1x, big-hd.jpg 2x">  
  <source  
    srcset="small.jpg 1x, small-hd.jpg 2x">  
    
</picture>
```

What are the `srcset`

```
g 1x, small-hd.jpg 2x">  
ck.jpg" alt="">
```

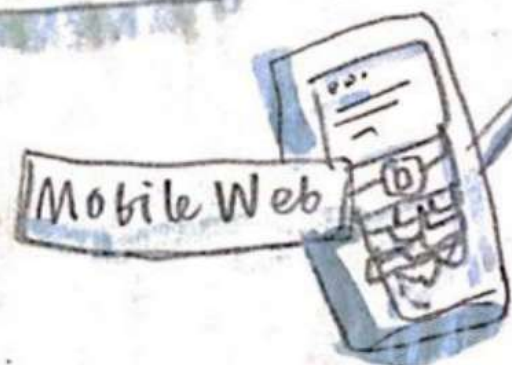
What are the `srcset` and `sizes` attributes?

```

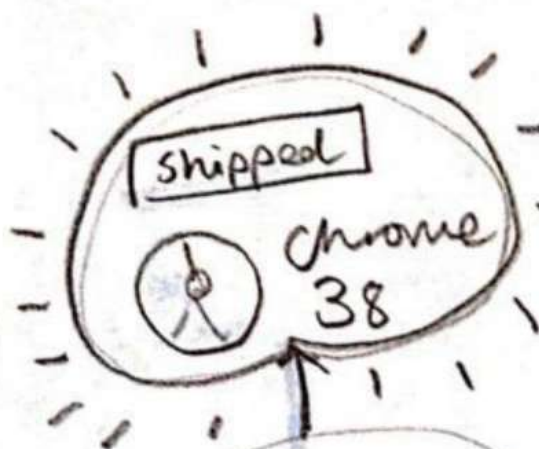
```

RESPONSIVE IMAGES are HERE

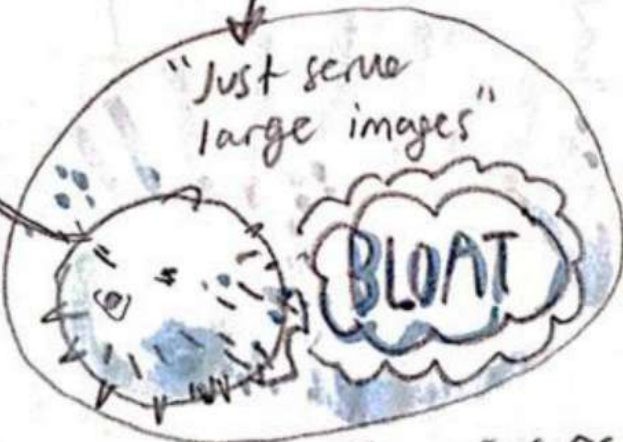
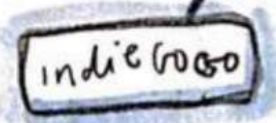
YOAV WEISS



RWD !



80 patches later
Blink work done
webkit almost



<picture> proposal
srcset proposal

picture + and + srcset



browsers weren't convinced

BACK to picture

Src-N

9 months later

Respimage is a responsive images polyfill,
that loads your images fast and responsibly
<https://github.com/aFarkas/respimage>

To support IE9 all source elements have to be
wrapped inside of an **audio** or **hidden video** element

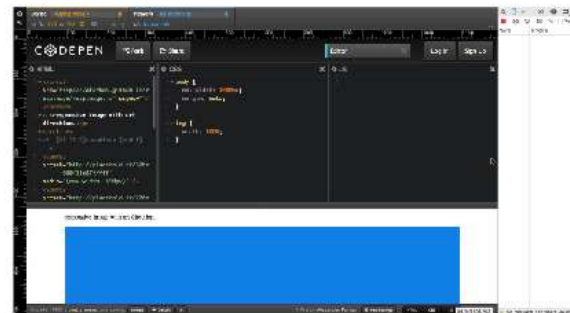
```
<picture>
<!--[if IE 9]><audio><![endif]-->
<source
  srcset="http://placeholder.it/500x600/11e87f/fff"
  media="(max-width: 450px)" />
<source
  srcset="http://placeholder.it/700x300"
  media="(max-width: 720px)" />
<source
  srcset="http://placeholder.it/1400x600/c8117f/fff"
  media="(max-width: 1400px)" />
```



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that loads your images fast and responsibly
<https://github.com/aFarkas/respimage>

To support IE9 all source elements have to be
wrapped inside of an **audio** or **hidden video** element

```
<picture>
  <!--[if IE 9]><audio><![endif]-->
  <source
    srcset="http://placeholder.it/500x600/11e87f/fff"
    media="(max-width: 450px)" />
  <source
    srcset="http://placeholder.it/700x300"
    media="(max-width: 720px)" />
  <source
    srcset="http://placeholder.it/1400x600/e8117/fff"
    media="(max-width: 1100px)" />
  <source
    srcset="http://placeholder.it/1800x900/117fe8/fff" />
  <!--[if IE 9]></audio><![endif]-->
  
</picture>
```



what happened inside of an

```
<picture>
  <!--[if IE 9]><audio><![endif]-->
  <source
    srcset="http://placeholder.it/500x600/11e87f/fff"
    media="(max-width: 450px)" />
  <source
    srcset="http://placeholder.it/700x300"
    media="(max-width: 720px)" />
  <source
    srcset="http://placeholder.it/1400x600/e8117f/fff"
    media="(max-width: 1100px)" />
  <source
    srcset="http://placeholder.it/1800x900/117fe8/fff" />
  <!--[if IE 9]></audio><![endif]-->
  
</picture>
```

Device <Select model> Network No throttling UA No override

679 x 736 Fit

0 100 200 300 400 500 600 700 800 900 1000 1100

CODEPEN

Fork Share

Editor

Log In Sign Up

HTML

1<script
src="https://afarkas.github.io/respimage/respimage.js" async="">
</script>
2<p>responsive image with art
direction.</p>
3<picture>
4<!--[if IE 9]><audio><![endif]-->
5<source
6srcset="http://placeholder.it/500x
600/11e87f/fff"
7media="(max-width: 450px)" />
8<source
9srcset="http://placeholder.it/700x

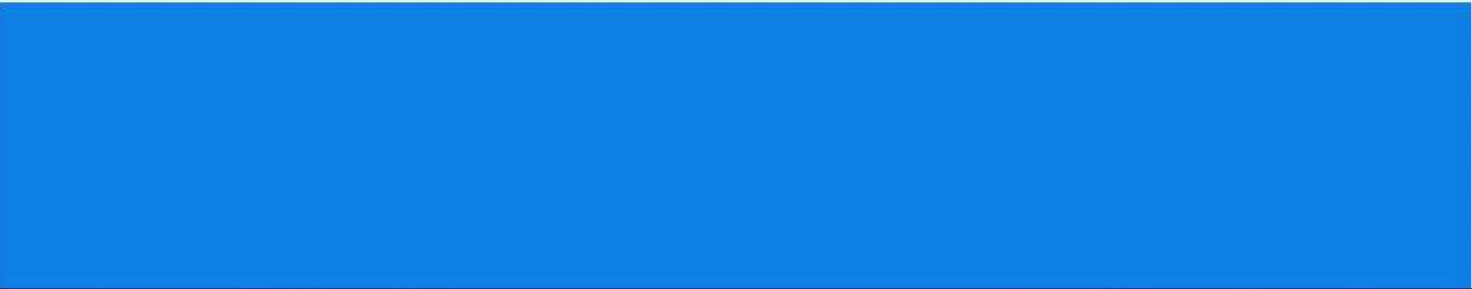
CSS

1body {
2max-width: 1000px;
3margin: auto;
4}
5
6img {
7width: 100%;
8}

JS

1

responsive image with art direction.



CodePen PRO is pretty sweet. just saying. Embed Details

A Pen by Alexander Farkas Pen Settings

HTML CSS JS 54.148.254.243

No requests captured. Reload ...

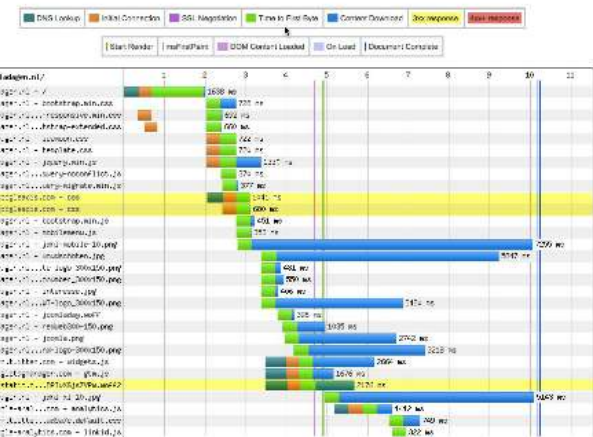
@fonts-face

```
@font-face {
  font-family: 'Nobile';
  font-style: normal;
  font-weight: 400;
  src: local('Nobile'), local('Nobile-Regular'), url(http://fonts.gstatic.com/s/nobile/v5c0A.woff) format('woff');
}
```

```
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">

<link href="//fonts.googleapis.com/css?family=Mobile:400" rel="stylesheet" type="text/css">
<link href="//fonts.googleapis.com/css?family=Mobile:700" rel="stylesheet" type="text/css">

<link rel="shortcut icon" href="/templates/joomla4design/images/favicon.ico">
<link rel="apple-touch-icon" href="/templates/joomla4design/images/apple-touch-icon.png">
<link rel="apple-touch-icon" sizes="72x72" href="/templates/joomla4design/images/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="114x114" href="/templates/joomla4design/images/apple-touch-icon-114x114.png">
```

[illegible]

```
274 |
275 | @font-face {
276 |   font-family: 'GreatEscapeBk-Regular';
277 |   src: url("data:font/opentype;base64,AAEAAAAOAIAAAwB...");
278 | }
279 |
280 | @font-face {
281 |   font-family: 'GreatEscapeRg-Regular';
282 |   src: url("data:font/opentype;base64,AAEAAAAOAIAAAwB...");
283 | }
```

The deferred font loading logic for Smashing Magazine.

```
<script type="text/javascript">
    {function () {
        //use strict",
        // once cached, the css file is stored on the client forever
        unless
        // the URL below is changed. Any change will invalidate the
        var css_href = "/index_files/web-fonts.css";
        // a simple event handler wrapper
        function on(el, ev, callback) {
            if (el.addEventListener) {
                el.addEventListener(ev, callback, false);
            } else if (el.attachEvent) {
                el.attachEvent("on" + ev, callback);
            }
        }
    }
}
```

[illegible]

@fo

```
@font-face {  
  font-family: 'Nobile';  
  font-style: normal;  
  font-weight: 400;  
  src: local('Nobile'), local('Nobile-Regular'), url(http://fonts.gstatic.com/s/nobile/v5c0A.woff) format('woff');  
}
```

```
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">
```

}

```
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">
```

```
<link href='//fonts.googleapis.com/css?family=Nobile:400' rel='stylesheet' type='text/css'>
<link href='//fonts.googleapis.com/css?family=Nobile:700' rel='stylesheet' type='text/css'>
```

```
<link rel="shortcut icon" href="/templates/joomladagen/images/favicon.ico">
<link rel="apple-touch-icon" href="/templates/joomladagen/images/apple-touch-icon.png">
<link rel="apple-touch-icon" sizes="72x72" href="/templates/joomladagen/images/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="114x114" href="/templates/joomladagen/images/apple-touch-icon-114x114.png">
```

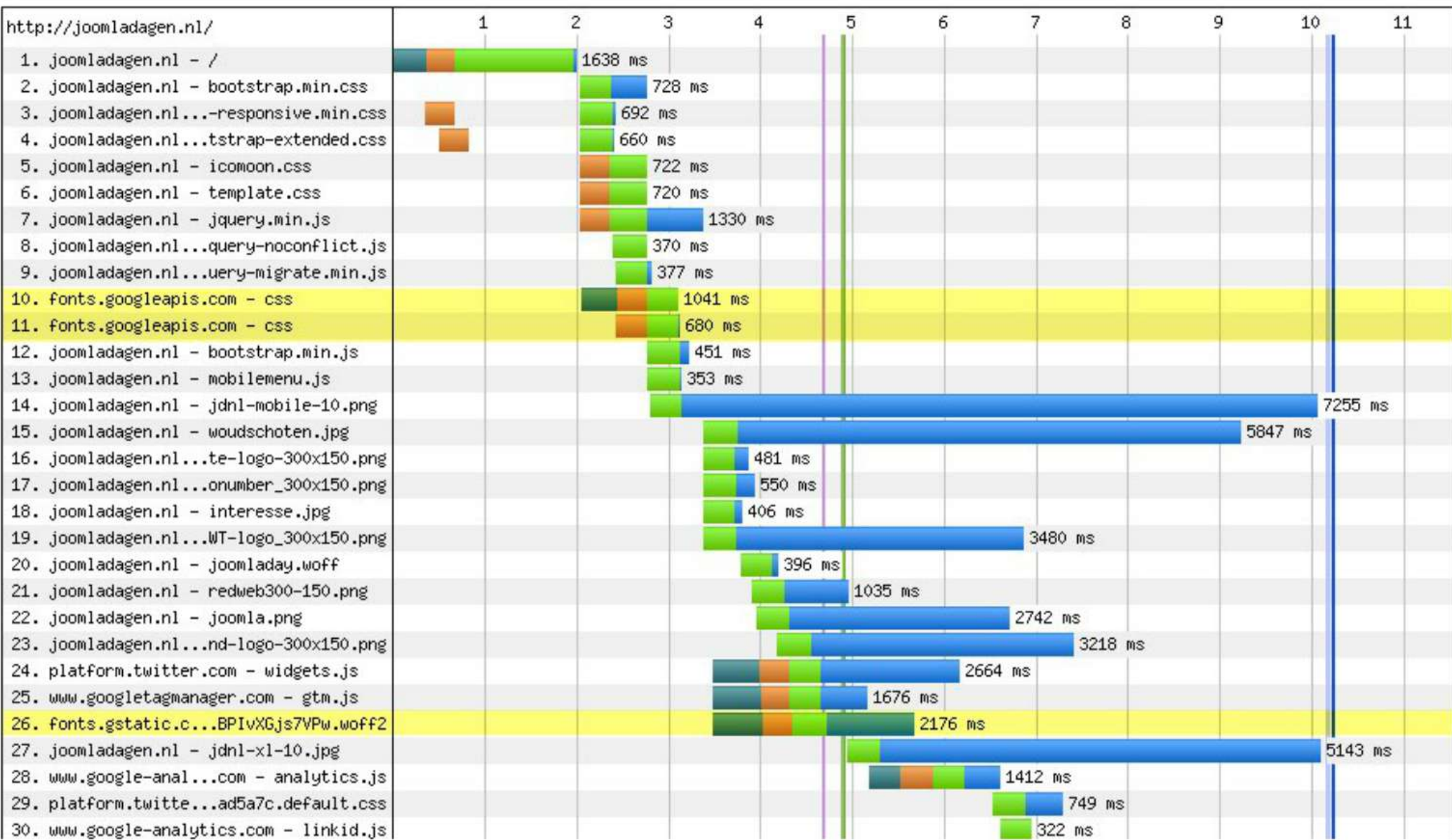
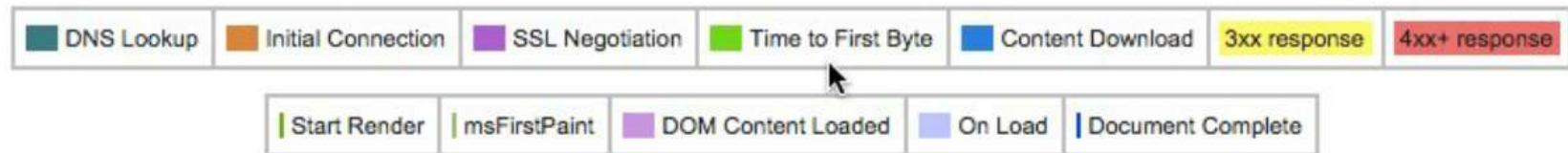
#	Resource	Content Type	Request Start	DNS Lookup	Initial Connection	SSL Negotiation	Time to First Byte	Content Download	Bytes Downloaded	Error/Status Code	IP
1	http://joomladagen.nl/	text/html	0.654 s	347 ms	306 ms	-	1304 ms	28 ms	6.8 KB	200	82.94.181.247
2	http://joomladagen.nl/css/bootstrap.min.css	text/css	2.03 s	-	-	-	329 ms	330 ms	17.1 KB	200	82.94.181.247
3	http://joomladagen.nl/css/p-responsive.min.css	text/css	2.032 s	-	307 ms	-	350 ms	35 ms	4.2 KB	200	82.94.181.247
4	http://joomladagen.nl/css/bootstrap-extended.css	text/css	2.033 s	-	306 ms	-	334 ms	20 ms	2.5 KB	200	82.94.181.247
5	http://joomladagen.nl/ui/css/icomoon.css	text/css	2.342 s	-	307 ms	-	415 ms	-	2.6 KB	200	82.94.181.247

#	Resource	Content Type	Request Start	DNS Lookup	Initial Connection	SSL Negotiation	Time to First Byte	Content Download	Bytes Downloaded	Error/Status Code	IP
1	http://joomladagen.nl/	text/html	0.654 s	347 ms	306 ms	-	1304 ms	28 ms	6.8 KB	200	82.94.181.247
2	http://joomladagen.nl/css/bootstrap.min.css	text/css	2.03 s	-	-	-	329 ms	339 ms	17.1 KB	200	82.94.181.247
3	http://joomladagen.nl/css/p-responsive.min.css	text/css	2.032 s	-	307 ms	-	350 ms	35 ms	4.2 KB	200	82.94.181.247
4	http://joomladagen.nl/css/otstrap-extended.css	text/css	2.033 s	-	306 ms	-	334 ms	20 ms	2.5 KB	200	82.94.181.247
5	http://joomladagen.nl/js/ui/css/icomoon.css	text/css	2.342 s	-	307 ms	-	415 ms	-	2.6 KB	200	82.94.181.247
6	http://joomladagen.nl/template.css?v=2004	text/css	2.344 s	-	307 ms	-	413 ms	-	3.9 KB	200	82.94.181.247
7	http://joomladagen.nl/js/jquery.min.js	application/javascript	2.349 s	-	310 ms	-	409 ms	611 ms	32.9 KB	200	82.94.181.247
8	http://joomladagen.nl/js/jquery-noconflict.js	application/javascript	2.388 s	-	-	-	370 ms	-	0.4 KB	200	82.94.181.247
9	http://joomladagen.nl/js/jquery-migrate.min.js	application/javascript	2.418 s	-	-	-	340 ms	37 ms	3.4 KB	200	82.94.181.247
10	http://fonts.googleapis.com/css?family=Nobile:400	text/css	2.759 s	373 ms	339 ms	-	327 ms	2 ms	0.8 KB	200	74.125.136.95
11	http://fonts.googleapis.com/css?family=Nobile:700	text/css	2.759 s	-	339 ms	-	334 ms	7 ms	0.8 KB	200	74.125.136.95
12	http://joomladagen.nl/js/bootstrap.min.js	application/javascript	2.76 s	-	-	-	339 ms	112 ms	7.9 KB	200	82.94.181.247
13	http://joomladagen.nl/js/script/mobilemenu.js	application/javascript	2.772 s	-	-	-	336 ms	17 ms	1.7 KB	200	82.94.181.247
14	http://joomladagen.nl/sfdnl-mobile-10.png	image/png	2.796 s	-	-	-	336 ms	6919 ms	309.0 KB	200	82.94.181.247
15	http://joomladagen.nl/statie/woudschoten.jpg	image/jpeg	3.376 s	-	-	-	358 ms	5489 ms	221.6 KB	200	82.94.181.247
16	http://joomladagen.nl/site-logo-300x150.png	image/png	3.377 s	-	-	-	334 ms	147 ms	6.6 KB	200	82.94.181.247
17	http://joomladagen.nl/nonumber_300x150.png	image/png	3.377 s	-	-	-	349 ms	201 ms	9.8 KB	200	82.94.181.247
18	http://joomladagen.nl/nsoren/interesse.jpg	image/jpeg	3.378 s	-	-	-	326 ms	80 ms	5.1 KB	200	82.94.181.247
19	http://joomladagen.nl/PWT-logo_300x150.png	image/png	3.378 s	-	-	-	341 ms	3139 ms	91.3 KB	200	82.94.181.247
20	http://joomladagen.nl/fonts/joomladay.woff	application/x-font-woff	3.785 s	-	-	-	334 ms	62 ms	4.5 KB	200	82.94.181.247
21	http://joomladagen.nl/en/redweb300-150.png	image/png	3.904 s	-	-	-	337 ms	698 ms	22.7 KB	200	82.94.181.247
22	http://joomladagen.nl/sponsoren/joomla.png	image/png	3.958 s	-	-	-	335 ms	2407 ms	65.2 KB	200	82.94.181.247
23	http://joomladagen.nl/und-logo-300x150.png	image/png	4.184 s	-	-	-	357 ms	2861 ms	83.3 KB	200	82.94.181.247
24	http://platform.twitter.com/widgets.js	application/javascript	4.294 s	501 ms	310 ms	-	347 ms	1506 ms	37.3 KB	200	199.96.57.6
25	http://www.google-tagmanager.is?id=GTM-NQZ8SP	text/javascript	4.302 s	505 ms	316 ms	-	346 ms	509 ms	12.3 KB	200	74.125.136.97
26	http://fonts.gstatic.com/UdBP1vXGis7VPw.woff2	font/woff2	4.332 s	531 ms	317 ms	-	369 ms	959 ms	22.5 KB	200	74.125.136.94
27	http://joomladagen.nl/images/dnl-xl-10.jpg	image/jpeg	4.944 s	-	-	-	348 ms	4795 ms	224.5 KB	200	82.94.181.247
28	http://www.google-analytics.com/analytics.js	text/javascript	5.86 s	322 ms	353 ms	-	340 ms	397 ms	11.2 KB	200	74.125.136.101
29	http://platform.twitter.com/ead5a7c.default.css	text/css	6.538 s	-	-	-	328 ms	421 ms	17.0 KB	200	199.96.57.6
30	http://www.google-analytics.com/plugins/ua/inlinkid.js	text/javascript	6.618 s	-	-	-	322 ms	-	1.2 KB	200	74.125.136.101
31	http://joomladagen.nl/en/images/logo15.png	-	6.733 s	-	-	-	72 ms	-	-	-2	82.94.181.247
32	http://joomladagen.nl/en/images/logo15.png	-	6.859 s	-	-	-	7 ms	-	-	-2	82.94.181.247
33	http://joomladagen.nl/adagen/images/tl.png	image/png	7.118 s	-	310 ms	-	340 ms	-	0.5 KB	200	82.94.181.247
34	http://joomladagen.nl/en/images/logo15.png	image/png	7.177 s	-	308 ms	-	341 ms	136 ms	7.3 KB	200	82.94.181.247

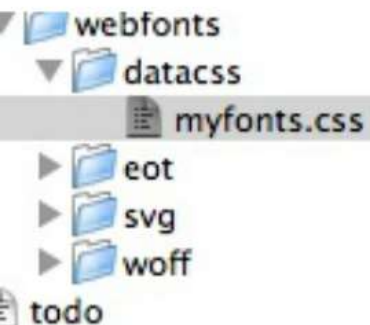
			Start	Lookup	Connection	Negotiation	Byte	Download	Downloaded	Code	
1	http://ioomladagen.nl/	text/html	0.654 s	347 ms	306 ms	-	1304 ms	28 ms	6.8 KB	200	82.94.181.247
2	http://ioomladagen.nl...ss/bootstrap.min.css	text/css	2.03 s	-	-	-	329 ms	339 ms	17.1 KB	200	82.94.181.247
3	http://ioomladagen.nl...p-responsive.min.css	text/css	2.032 s	-	307 ms	-	350 ms	35 ms	4.2 KB	200	82.94.181.247
4	http://ioomladagen.nl...otstrap-extended.css	text/css	2.033 s	-	306 ms	-	334 ms	20 ms	2.5 KB	200	82.94.181.247
5	http://ioomladagen.nl.../ui/css/icomoon.css	text/css	2.342 s	-	307 ms	-	415 ms	-	2.6 KB	200	82.94.181.247
6	http://ioomladagen.nl.../template.css?v=2004	text/css	2.344 s	-	307 ms	-	413 ms	-	3.9 KB	200	82.94.181.247
7	http://ioomladagen.nl...ui/js/jquery.min.js	application/javascript	2.349 s	-	310 ms	-	409 ms	611 ms	32.9 KB	200	82.94.181.247
8	http://ioomladagen.nl...jquery-noconflict.js	application/javascript	2.388 s	-	-	-	370 ms	-	0.4 KB	200	82.94.181.247
9	http://ioomladagen.nl...query-migrate.min.js	application/javascript	2.418 s	-	-	-	340 ms	37 ms	3.4 KB	200	82.94.181.247
10	http://fonts.googleapis...ss?family=Nobile:400	text/css	2.759 s	373 ms	339 ms	-	327 ms	2 ms	0.8 KB	200	74.125.136.95
11	http://fonts.googleapis...ss?family=Nobile:700	text/css	2.759 s	-	339 ms	-	334 ms	7 ms	0.8 KB	200	74.125.136.95
12	http://ioomladagen.nl.../js/bootstrap.min.js	application/javascript	2.76 s	-	-	-	339 ms	112 ms	7.9 KB	200	82.94.181.247
13	http://ioomladagen.nl...script/mobilemenu.js	application/javascript	2.772 s	-	-	-	336 ms	17 ms	1.7 KB	200	82.94.181.247
14	http://ioomladagen.nl...s/dnl-mobile-10.png	image/png	2.796 s	-	-	-	336 ms	6919 ms	309.0 KB	200	82.94.181.247
15	http://ioomladagen.nl...atie/woudschoten.jpg	image/jpeg	3.376 s	-	-	-	358 ms	5489 ms	221.6 KB	200	82.94.181.247
16	http://ioomladagen.nl...yte-logo-300x150.png	image/png	3.377 s	-	-	-	334 ms	147 ms	6.6 KB	200	82.94.181.247
17	http://ioomladagen.nl...nonumber_300x150.png	image/png	3.377 s	-	-	-	349 ms	201 ms	9.8 KB	200	82.94.181.247
18	http://ioomladagen.nl...nsoren/interesse.jpg	image/jpeg	3.378 s	-	-	-	326 ms	80 ms	5.1 KB	200	82.94.181.247
19	http://ioomladagen.nl...PWT-logo_300x150.png	image/png	3.378 s	-	-	-	341 ms	3139 ms	91.3 KB	200	82.94.181.247
20	http://ioomladagen.nl...fonts/ioomladay.woff	application/x-font-woff	3.785 s	-	-	-	334 ms	62 ms	4.5 KB	200	82.94.181.247
21	http://ioomladagen.nl...en/redweb300-150.png	image/png	3.904 s	-	-	-	337 ms	698 ms	22.7 KB	200	82.94.181.247
22	http://ioomladagen.nl...sponsorsen/iomla.png	image/png	3.958 s	-	-	-	335 ms	2407 ms	65.2 KB	200	82.94.181.247
23	http://ioomladagen.nl...und-logo-300x150.png	image/png	4.184 s	-	-	-	357 ms	2861 ms	83.3 KB	200	82.94.181.247
24	http://platform.twitter.com/widgets.js	application/javascript	4.294 s	501 ms	310 ms	-	347 ms	1506 ms	37.3 KB	200	199.96.57.6
25	http://www.googletag...qtm.js?id=GTM-NQZ8SP	text/javascript	4.302 s	505 ms	316 ms	-	346 ms	509 ms	12.3 KB	200	74.125.136.97
26	http://fonts.gstatic...UdBPlvXCjs7VPw.woff2	font/woff2	4.332 s	531 ms	317 ms	-	369 ms	959 ms	22.5 KB	200	74.125.136.94
27	http://ioomladagen.nl...mages/dnl-xl-10.jpg	image/jpeg	4.944 s	-	-	-	348 ms	4795 ms	224.5 KB	200	82.94.181.247
28	http://www.google-an...ics.com/analytics.js	text/javascript	5.86 s	322 ms	353 ms	-	340 ms	397 ms	11.2 KB	200	74.125.136.101
29	http://platform.twit...9ead5a7c.default.css	text/css	6.538 s	-	-	-	328 ms	421 ms	17.0 KB	200	199.96.57.6
30	http://www.google-an...plugins/ua/linkid.js	text/javascript	6.618 s	-	-	-	322 ms	-	1.2 KB	200	74.125.136.101
31	http://ioomladagen.nl...en/images/logo15.png	-	6.733 s	-	-	-	72 ms	-	-	-2	82.94.181.247
32	http://ioomladagen.nl...en/images/logo15.png	-	6.859 s	-	-	-	7 ms	-	-	-2	82.94.181.247

2.342 s	-	307 ms	-	415 ms	-	2.6 KB
2.344 s	-	307 ms	-	413 ms	-	3.9 KB
2.349 s	-	310 ms	-	409 ms	611 ms	32.9 KB
2.388 s	-	-	-	370 ms	-	0.4 KB
2.418 s	-	-	-	340 ms	37 ms	3.4 KB
2.759 s	373 ms	339 ms	-	327 ms	2 ms	0.8 KB
2.759 s	-	339 ms	-	334 ms	7 ms	0.8 KB
2.76 s	-	-	-	339 ms	112 ms	7.9 KB
2.772 s	-	-	-	336 ms	17 ms	1.7 KB
2.796 s	-	-	-	336 ms	6919 ms	309.0 KB
3.376 s	-	-	-	358 ms	5489 ms	221.6 KB
3.377 s	-	-	-	334 ms	147 ms	6.6 KB
3.377 s	-	-	-	349 ms	201 ms	9.8 KB

3.377 s	-	-	-	349 ms	201 ms	9.8 KB
3.378 s	-	-	-	326 ms	80 ms	5.1 KB
3.378 s	-	-	-	341 ms	3139 ms	91.3 KB
3.785 s	-	-	-	334 ms	62 ms	4.5 KB
3.904 s	-	-	-	337 ms	698 ms	22.7 KB
3.958 s	-	-	-	335 ms	2407 ms	65.2 KB
4.184 s	-	-	-	357 ms	2861 ms	83.3 KB
4.294 s	501 ms	310 ms	-	347 ms	1506 ms	37.3 KB
4.302 s	505 ms	316 ms	-	346 ms	509 ms	12.3 KB
4.332 s	531 ms	317 ms	-	369 ms	959 ms	22.5 KB
4.944 s	-	-	-	348 ms	4795 ms	224.5 KB
5.86 s	322 ms	353 ms	-	340 ms	397 ms	11.2 KB
6.538 s	-	-	-	328 ms	421 ms	17.0 KB



24. platform.twitter.com - widgets.js	2664 ms
25. www.googletagmanager.com - gtm.js	1676 ms
26. fonts.gstatic.c...BPIvXGjs7VPw.woff2	2176 ms
27. joomladagen.nl - jdn1-xl-10.jpg	
28. www.google-anal...com - analytics.js	1412 ms
29. platform.twitte...ad5a7c.default.css	749 ms
30. www.google-analytics.com - linkid.js	322 ms



```

274 |
275 @font-face {
276   font-family: 'GreatEscapeBk-Regular';
277   src: url("data:font/opentype;base64,AAEAAAA0AIAAAwBgT
278 }
279 @font-face {
280   font-family: 'GreatEscapeRg-Regular';
281   src: url("data:font/opentype;base64,AAEAAAA0AIAAAwBgT
282 }
283

```

The deferred font loading logic for Smashing Magazine.

```

<script type="text/javascript">
  (function () {
    "use strict";
    // once cached, the css file is stored on the client forever
    unless

```



```
<script type="text/javascript">
```

[illegible]

```
<script type="text/javascript">
```

```
  (function () {
```

```
    "use strict";
```

```
    // once cached, the css file is stored on the client forever
```

```
unless
```

```
    // the URL below is changed. Any change will invalidate the  
cache
```

```
    var css_href = './index_files/web-fonts.css';
```

```
    // a simple event handler wrapper
```

```
    function on(el, ev, callback) {
```

```
      if (el.addEventListener) {
```

```
        el.addEventListener(ev, callback, false);
```

```
      } else if (el.attachEvent) {
```

```
        el.attachEvent("on" + ev, callback);
```

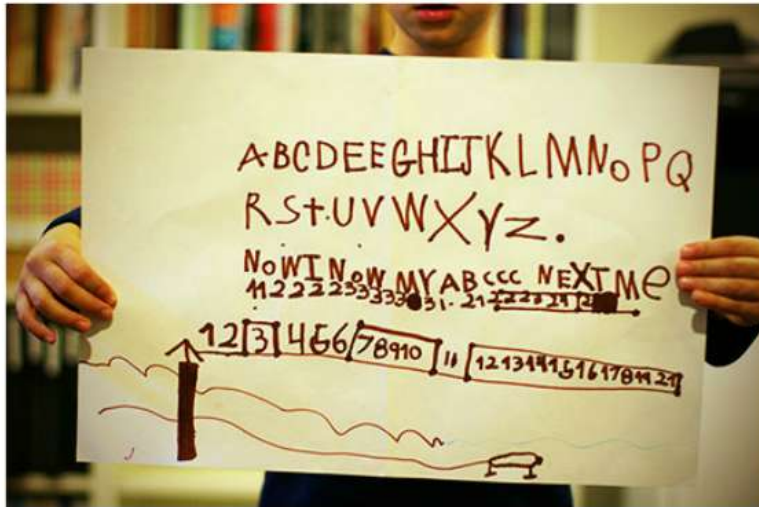
```
      }
```

```
    }
```

Smashing Magazine.

Smashing Magazine.

Font Squirrel

[illegible]

<http://www.fontsquirrel.com/tools/webfont-generator>

@font-face Kit Generator

+ Add Fonts

Open Sans Regular

TTF

940 glyphs

111 KB

Aspect Ratio: 0.54



☐ BASIC

Straight conversion with minimal processing.

☐ OPTIMAL

Recommended settings for performance and speed.

☒ EXPERT...

You decide how best to optimize your fonts.

Font Formats:

☒ TrueType

☒ WOFF

☒ EOT Lite

☒ SVG

☐ SVGZ

Rendering:

☒ Apply Hinting

Improve Win rendering

☐ Fix Vertical Metrics

Normalize across browsers

☐ Remove Kerning

Strip kerning data

Fix Missing Glyphs:

☒ Spaces

☒ Hyphens

X-height Matching:

Resize to match the selected font's x-height.

☒ None

☐ Arial

☐ Verdana

☐ Georgia

☐ Times New Roman

☐ Trebuchet

☐ Courier

Protection:

☐ WebOnly™
Disable desktop use

Subsetting:

☐ Basic Subsetting
Western languages

☒ Custom Subsetting...
Custom language support

☐ No Subsetting

Character Encoding:

☐ Mac Roman

Character Type:

☐ Lowercase

☐ Uppercase

☐ Numbers

☐ Punctuation

☐ Currency

☐ Typography

☐ Math Symbols

☐ Alt Punctuation

☐ Lower Accents

☐ Upper Accents

☐ Diacriticals

Language:

☐ Albanian

☐ Bosnian

☐ Catalan

☐ Croatian

☐ Cyrillic

☐ Czech

☐ Danish

☐ Dutch

☐ English

☐ Faroese

☐ French

☐ German

☐ Greek

☐ Hebrew

☐ Hungarian

☐ Icelandic

☐ Italian

☐ Latvian

☐ Maltese

☐ Norwegian

☐ Polish

☐ Portuguese

☐ Romanian

☐ Serbian

☐ Slovak

☐ Slovenian

☐ Spanish

☐ Esperanto
☐ Estonian

☐ Lithuanian
☐ Malagasy

☐ Swedish
☐ Turkish

Unicode Tables:

☒ Basic Latin
☐ Latin-1 Sup
☐ Currency Symbols

☐ Punctuation
☐ Latin Extended-A

☐ Latin Extended-B
☐ Latin Extended +

Single Characters:

‘ ’ “ ”

Unicode Ranges:

Comma separated values. Can be single hex values and/or ranges separated with hyphens.
Example: "0021-007E,00E7,00EB,00C7,00CB"

Subset Preview:

	!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/	0	1	2	3
4	5	6	7	8	9	:	;	<	=	>	?	@	A	B	C	D	E	F	G
H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	[
\	]	^	_	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
p	q	r	s	t	u	v	w	x	y	z	{		}	~	'	'	"	"	

CSS Formats:

☒ Fontspring Syntax
[More information](#)

☐ Smiley
[More Information](#)

☐ Mo' Bulletproof
[More Information](#)

CSS Options:

☐ Style Linking
Group styles under family

☐ Base64 Encode
Embed font in CSS

OpenType Options:

If the features are available, the generator will flatten them into the font.

☐ Small Caps
☐ Caps to Sm. Caps

☐ Old Style Numerals
☐ Lining Numerals
☐ Tabular Numerals
☐ Proportl. Numerals
☐ Slashed Zero

☐ Stylistic Alts
☐ Style Set 1
☐ Style Set 2

Advanced Options:

Font Name Suffix

Em Square Value

Adjust Glyph Spacing

In units of the em square

Font Tables:

☒ Fix GASP Table
Better DirectWrite Rendering

Shortcuts:

☒ Remember my settings

Agreement:

☒ **Yes, the fonts I'm uploading are legally eligible for web embedding.**
Font Squirrel offers this service in good faith. Please honor the EULAs of your fonts.

Download Your Kit 

```
280 font-family: 'GreatEscapeRg-Regular';
281 src: url("data:font/opentype;base64,AAEAAAAOAIAAAwBg");
282 }
283
```

```

except (TypeException) {
    Function f;
    // no error
    // success, but the costly instruction is about to occur
} else {
    // the VM failure is raised. Any change will invalidate the
    // cache
    return f == fIndex ? f : fIndex - f;
    // simple case: handle wrapper
    function fIndex = fIndex;
    if (fIndex < 0) {
        // failed to find function
        // call fIndex to get function
        fIndex = fIndex;
    }
    return fIndex;
}
}

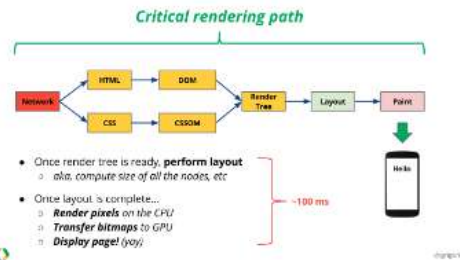
```

```

// The URL below is changed. Are changes will require the
// code
// var url = "http://localhost:8080/";
// // a simple event handler wrapper
// function on(a, on, callback) {
//   // Get different element
//   // a different element, callback, data
//   // a different element
//   // a different element
//   // a different element
//   // a different element
// }

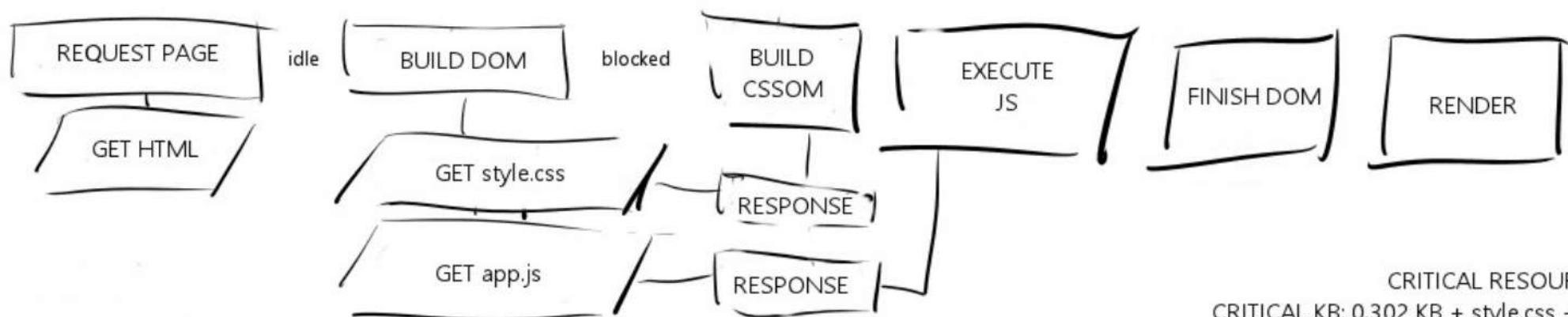
```

- DNS resolution
- TCP connection
- Send request
- Wait for response
- Download response
- Parse (DOM, CSSOM)
- Execute JS/Apply CSS
- Render



Critical rendering path

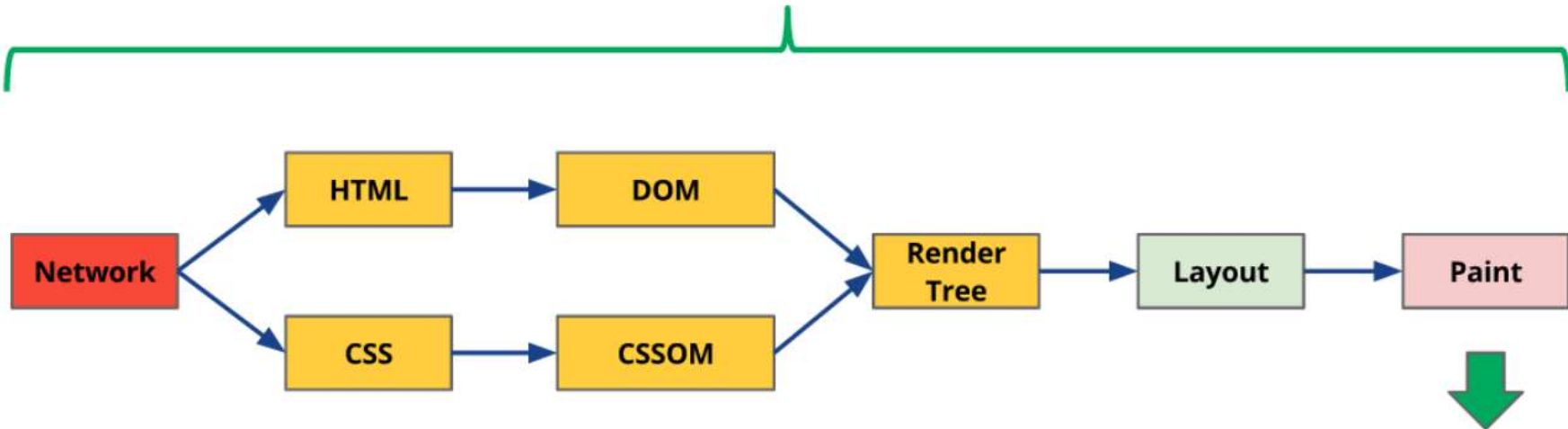
```
<html>
<head>
  <meta name="viewport" content="width=device-width">
  <link href="style.css" rel="stylesheet">
</head>
<body>
  <p>
    Hello <span>web performance</span> students!
  </p>
  <div></div>
  <script src="app.js"></script>
</body>
</html>
```



CRITICAL RESOURCES: 3
CRITICAL KB: 0,302 KB + style.css + app.js
MINIMUM LENGTH (ROUNDTrip): 2

Critical rendering path

Critical rendering path



- Once render tree is ready, **perform layout**
 - *aka, compute size of all the nodes, etc*
- Once layout is complete...
 - **Render pixels** on the CPU
 - **Transfer bitmaps** to GPU
 - **Display page!** (yay)

~100 ms



Anatomy of a web page

- DNS resolution
- TCP connection
- Send request
- Wait for response
- Download response
- Parse (DOM, CSSOM)
- Execute JS/Apply CSS
- Render

Network

Server

Client



<http://www.fontsquirrel.com/tools/webfont-generator>



- Once layout is complete...
 - Render pixels on the CPU?
 - Transfer bitmaps to GPU
 - Display page! (yay)

-100 ms

UNCSS - remove not used CSS per page

▼ Web Page Performance

- ▶ Optimize the order of styles and scripts (3)
- ▼ Remove unused CSS rules (1715)
 - 1715 rules (84%) of CSS not used by the current page.
 - ▶ : 100% is not used by the current page.
 - ▶ [bootstrap-extended.css](#): 96% is not used by the current page.
 - ▶ [bootstrap-responsive.min.css](#): 72% is not used by the current page.
 - ▶ [bootstrap.min.css](#): 84% is not used by the current page.
 - ▶ [icomoon.css](#): 100% is not used by the current page.
 - ▶ [template.css](#): 52% is not used by the current page.
 - ▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.default.css](#): 96% is not used by the current page.
- ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

▼ Web Page Performance

- ▶ Optimize the order of styles and scripts (3)
- ▼ Remove unused CSS rules (1726)
 - 1726 rules (85%) of CSS not used by the current page.
 - ▶ : 100% is not used by the current page.
 - ▶ [bootstrap-extended.css](#): 96% is not used by the current page.
 - ▶ [bootstrap-responsive.min.css](#): 75% is not used by the current page.
 - ▶ [bootstrap.min.css](#): 84% is not used by the current page.
 - ▶ [icomoon.css](#): 99% is not used by the current page.
 - ▶ [template.css](#): 54% is not used by the current page.
 - ▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.2x.css](#): 96% is not used by the current page.
- ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

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Feature	Chrome	Firefox	Safari	Opera	Android	Internet Explorer	Opera Mini
border-image	36	36	36	36	4.4	11	11
border-radius	36	36	36	36	4.4	11	11
border-spacing	36	36	36	36	4.4	11	11
border-style	36	36	36	36	4.4	11	11
border-width	36	36	36	36	4.4	11	11

Feature	Chrome	Firefox	Safari	Opera	Android	Internet Explorer	Opera Mini
WOFF	36	36	36	36	4.4	11	11
WOFF2	36	36	36	36	4.4	11	11
WOFF3	36	36	36	36	4.4	11	11
WOFF4	36	36	36	36	4.4	11	11

Google's statement

Google Webmaster Central Blog

Official news on crawling and indexing sites for the Google index

MinCSS - remove not used CSS per page

▼ Web Page Performance

● ▶ Optimize the order of styles and scripts (3)

● ▼ Remove unused CSS rules (1715)

1715 rules (84%) of CSS not used by the current page.

▶ : 100% is not used by the current page.

▶ [bootstrap-extended.css](#): 96% is not used by the current page.

▶ [bootstrap-responsive.min.css](#): 72% is not used by the current page.

▶ [bootstrap.min.css](#): 84% is not used by the current page.

▶ [icomoon.css](#): 100% is not used by the current page.

▶ [template.css](#): 52% is not used by the current page.

▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.default.css](#): 96% is not used by the current page.

● ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

▼ Web Page Performance

● ▶ Optimize the order of styles and scripts (3)

● ▼ Remove unused CSS rules (1726)

1726 rules (85%) of CSS not used by the current page.

▶ : 100% is not used by the current page.

- ▶ [bootstrap.min.css](#): 84% is not used by the current page.
- ▶ [icomoon.css](#): 100% is not used by the current page.
- ▶ [template.css](#): 52% is not used by the current page.
- ▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.default.css](#): 96% is not used by the current page.

● ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

▼ Web Page Performance

● ▶ Optimize the order of styles and scripts (3)

● ▼ Remove unused CSS rules (1726)

1726 rules (85%) of CSS not used by the current page.

- ▶ : 100% is not used by the current page.
- ▶ [bootstrap-extended.css](#): 96% is not used by the current page.
- ▶ [bootstrap-responsive.min.css](#): 75% is not used by the current page.
- ▶ [bootstrap.min.css](#): 84% is not used by the current page.
- ▶ [icomoon.css](#): 99% is not used by the current page.
- ▶ [template.css](#): 54% is not used by the current page.
- ▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.2x.css](#): 96% is not used by the current page.

● ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

HTTPS

HTTPS as a ranking signal

Posted: Wednesday, August 06, 2014



+1 4,992



Tweet 2,190



Vind ik leuk

Webmaster level: all

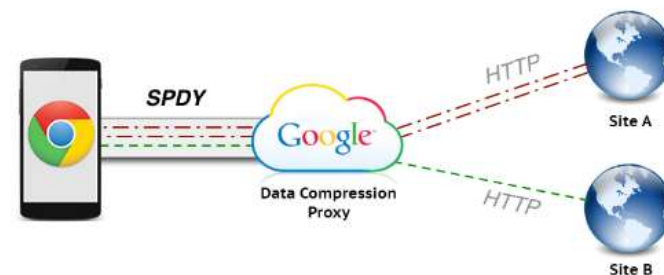
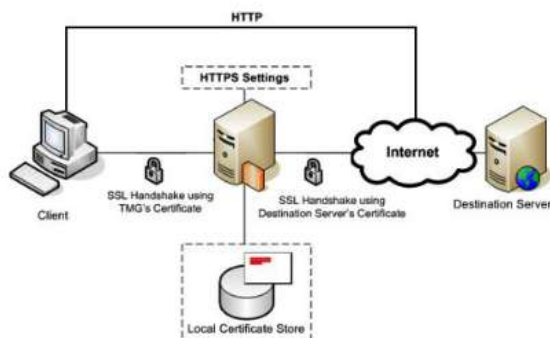
Security is a top priority for Google. We invest a lot in making sure that our services use industry-leading security, like strong **HTTPS encryption by default**. That means that people using Search, Gmail and Google Drive, for example, automatically have a secure connection to Google.

Beyond our own stuff, we're also working to make the Internet safer more broadly. A big part of that is making sure that websites people access from Google are secure. For instance, we have created resources to help webmasters **prevent and fix security breaches** on their sites.

We want to go even further. At **Google I/O** a few months ago, we called for "**HTTPS everywhere**" on the web.

We've also seen more and more webmasters adopting **HTTPS** (also known as HTTP over TLS, or Transport Layer Security), on their website, which is encouraging.

For these reasons, over the past few months we've been running tests taking into account whether sites use secure, encrypted connections as a signal in our search ranking algorithms. We've seen positive results, so we're starting to use HTTPS as a ranking signal. For now it's only a very lightweight signal — affecting fewer than 1% of global queries, and carrying less weight than other signals such as **high-quality content** — while we give webmasters time to switch to HTTPS. But over time, we may decide to strengthen it, because we'd like to encourage all website owners to switch from HTTP to HTTPS to keep everyone safe on the web.



HTTPS as a ranking signal

Posted: Wednesday, August 06, 2014



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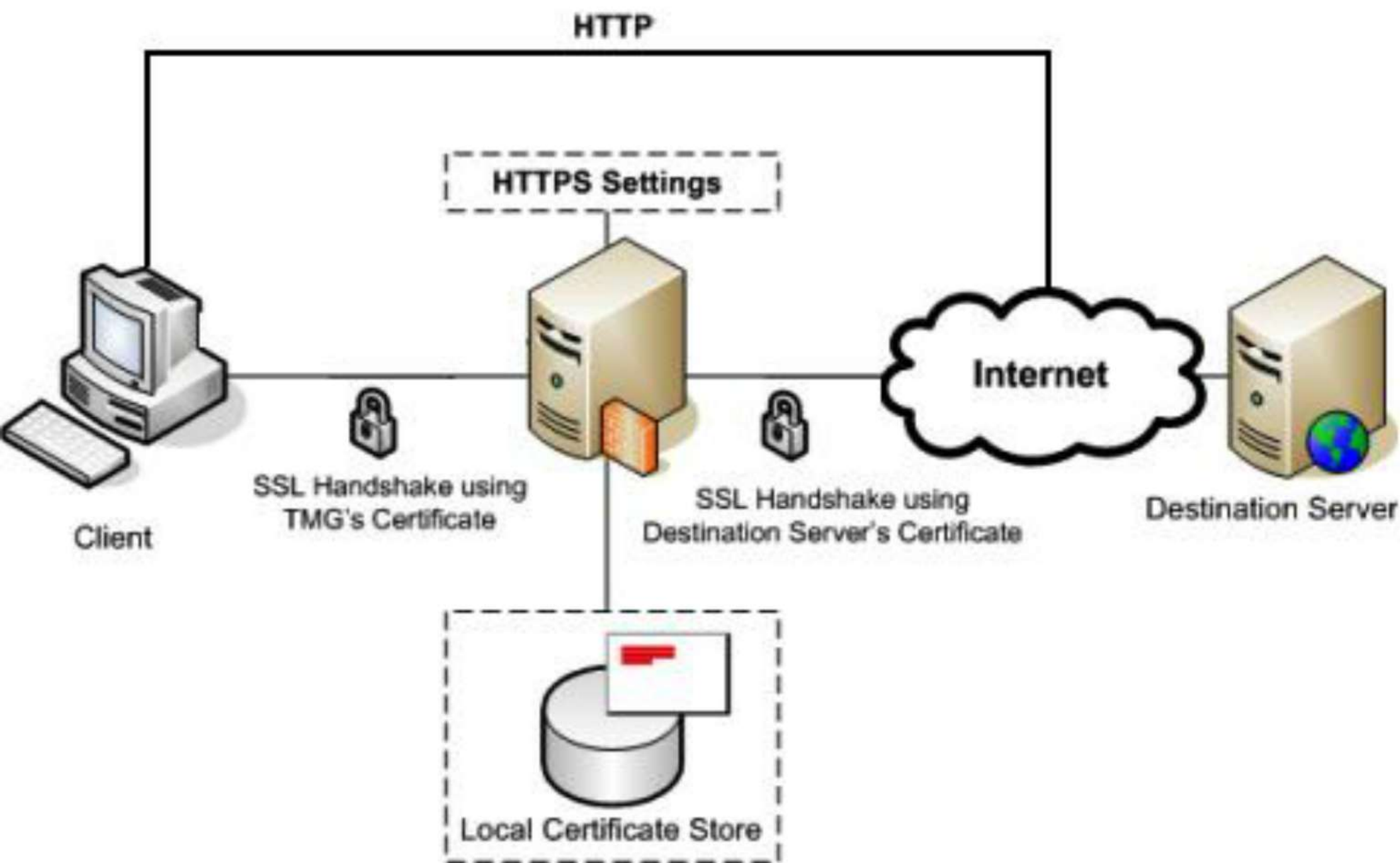
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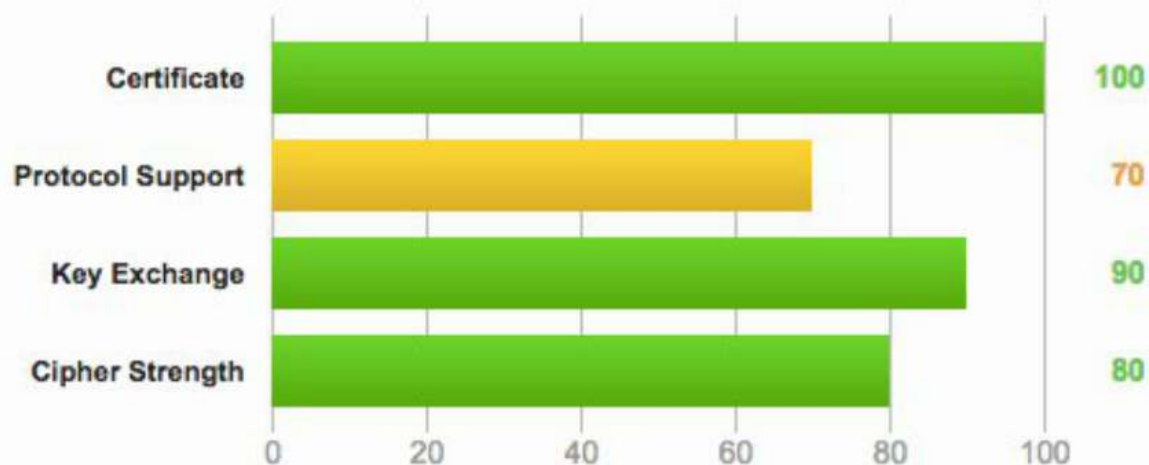
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Summary

Overall Rating



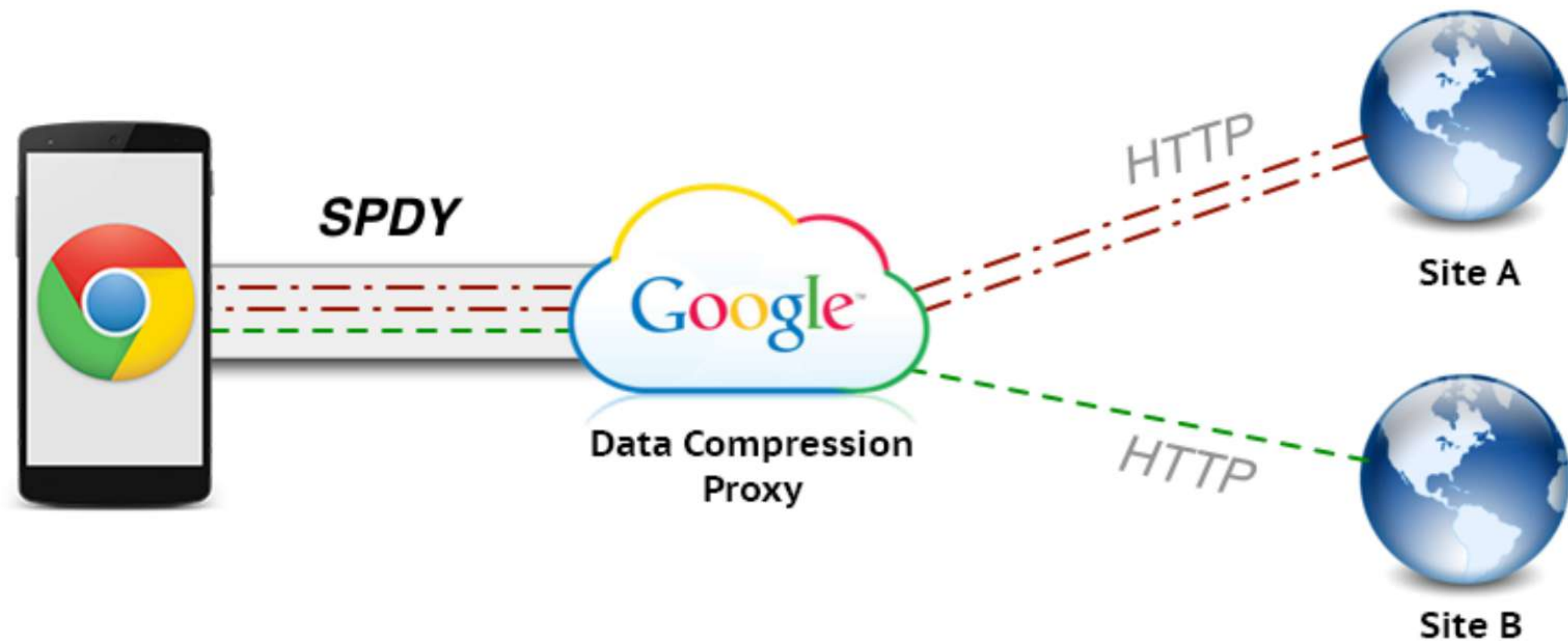
Visit our [documentation page](#) for more information, configuration guides, and books. Known issues are documented [here](#).

This server uses SSL 3, which is obsolete and insecure. Grade capped to B. [MORE INFO »](#)

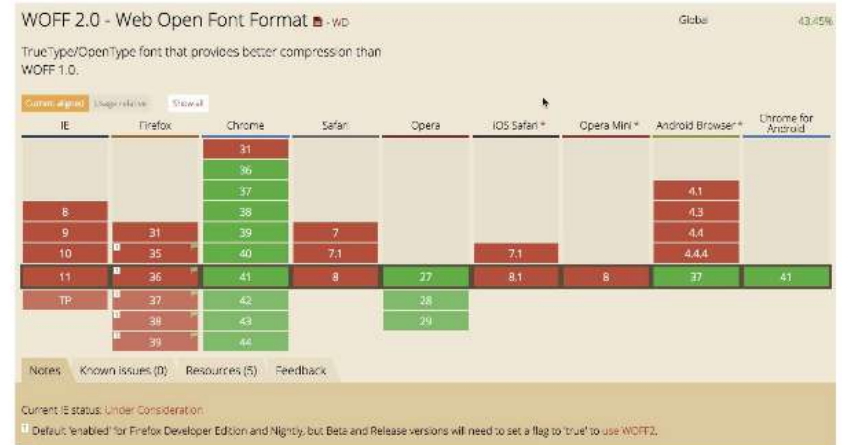
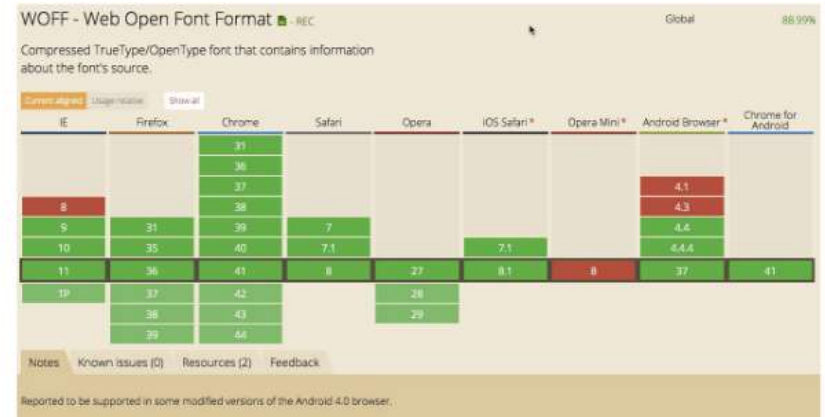
The server supports only older protocols, but not the current best TLS 1.2. Grade capped to B.

This server accepts the RC4 cipher, which is weak. Grade capped to B. [MORE INFO »](#)

The server does not support Forward Secrecy with the reference browsers. [MORE INFO »](#)



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Picture element - LS

Global

41.55%

A responsive images method to control which image resource a user agent presents to a user, based on resolution, media query and/or support for a particular image format

Current aligned	Usage relative	Show all						
IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		31						
		36						
		¹ 37						
8		38					4.1	
9	31	39	7				4.3	
10	² 35	40	7.1				4.4	
							4.4.4	
11	³ 36	41	8	27	7.1	8	37	41
TP	³ 37	42		28				
	38	43		29				
	39	44						

Notes Known issues (1) Resources (9) Feedback

Current IE status: Under Consideration

¹ Enabled in Chrome through the "experimental Web Platform features" flag in chrome://flags

² Enabled in Opera through the "experimental Web Platform features" flag in opera://flags

³ Enabled in Firefox by setting the about:config preference dom.image.picture.enable to true





Firefox®

38.0

Firefox is up to date

Firefox is designed by [Mozilla](#)
together to keep the Web

Want to help? [Make a donation](#)

[Licensing Information](#)

[End-User Rights](#)

Srcset attribute - LS

Global

41.55% + 10.54% = 52.09%

Allows authors to define various image resources and "hints" that assist a user agent to determine the most appropriate image source to display (e.g. high-resolution displays, small monitors, etc).

Current aligned	Usage relative	Show all						
IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		31						
		2 36						
		2 37						
8		38					4.1	
9	31	39	7				4.3	
10	1 35	40	2 7.1				4.4	
					7.1		4.4.4	
11	1 36	41	2 8	27	2 8.1	8	37	41
TP	1 37	42		28				
	38	43		29				
	39	44						

Notes Known issues (0) Resources (4) Feedback

¹ Can be enabled in Firefox by setting the about:config preference dom.image.srcset.enabled to true

² Supports the subset of the syntax for resolution switching (using the x descriptor), but not the full syntax that can be used with **sizes** (using the w descriptor).



WOFF - Web Open Font Format - REC

Global

88.99%

Compressed TrueType/OpenType font that contains information about the font's source.

Current aligned	Usage relative	Show all						
IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		31						
		36						
		37					4.1	
8		38					4.3	
9	31	39	7				4.4	
10	35	40	7.1		7.1		4.4.4	
11	36	41	8	27	8.1	8	37	41
TP	37	42		28				
	38	43		29				
	39	44						

Notes Known issues (0) Resources (2) Feedback

Reported to be supported in some modified versions of the Android 4.0 browser.

WOFF 2.0 - Web Open Font Format - WD

Global 43.45%

TrueType/OpenType font that provides better compression than WOFF 1.0.

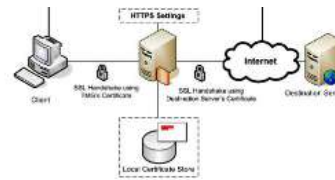
Current aligned Usage relative Show all

IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		31						
		36						
		37						
8		38					4.1	
9	31	39	7				4.3	
10	¹ 35	40	7.1				4.4	
					7.1		4.4.4	
11	¹ 36	41	8	27	8.1	8	37	41
TP	¹ 37	42		28				
	¹ 38	43		29				
	¹ 39	44						

- Notes
- Known issues (0)
- Resources (5)
- Feedback

Current IE status: Under Consideration

¹ Default 'enabled' for Firefox Developer Edition and Nightly, but Beta and Release versions will need to set a flag to 'true' to use WOFF2.



Google's statement for 2015



Finding more mobile-friendly search results

Posted: Thursday, February 26, 2015

81 / 1,136 Tweet 1,590 Visit 1,136

Webmaster level: all

When it comes to search on mobile devices, users should get the most relevant and timely results, no matter if the information lives on mobile-friendly web pages or apps. As more people use mobile devices to access the Internet, our algorithms have to adapt to those usage patterns. In the past, we've made updates to ensure a site is configured properly and visible on modern devices. We've made it easier for users to find mobile-friendly web pages and we've introduced App Indexing to surface useful content from apps. Today, we're announcing two important changes to help users discover more mobile-friendly content:

1. More mobile-friendly websites in search results

Starting April 21, we will be expanding our use of mobile-friendliness as a ranking signal. This change will affect mobile searches in all languages worldwide and will have a significant impact in our search results. Consequently, users will find it easier to get relevant, high-quality search results that are customized for their devices.

To get help with making a mobile-friendly site, check out our guide to mobile-friendly sites. If you're a webmaster, you can get ready for this change by using the following tools to see how Googlebot views your pages:

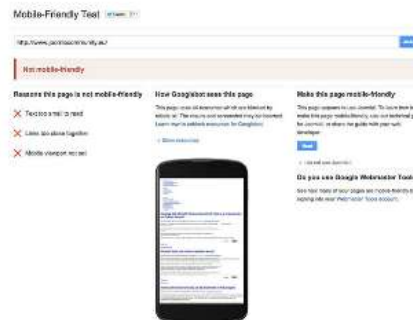
- If you want to test a few pages, you can use the Mobile-Friendly Test.
- If you have a site, you can use your Webmaster Tools account to get a full set of mobile usability issues across your site using the Mobile Usability Report.

2. More relevant app content in search results



Hey! Rankings in mobile search results will change April 21st.

Check here if your site is mobile-friendly.



Example

<https://www.example.com/>

Mobile-friendly - This is an example of a website that is well-designed for mobile devices.



ive Mythes?





Finding more mobile-friendly search results

Posted: Thursday, February 26, 2015



3,936



Tweet

3,390



Vind ik leuk

Webmaster level: all

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Finding more mobile-friendly search results

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3,936



Tweet

3,390

Webmaster level: all

When it comes to search on mobile devices, users should get the most relevant and timely results, no matter where the information lives on mobile-friendly web pages or apps. As more people use mobile devices to access the web, our [algorithms](#) have to adapt to these usage patterns. In the past, we've made updates to ensure a site is [configured properly](#) and [viewable on modern devices](#). We've made it easier for users to [find mobile-friendly pages](#) and we've introduced [App Indexing](#) to surface useful content from apps. Today, we're announcing important changes to help users discover more mobile-friendly content:

1. More mobile-friendly websites in search results

Starting April 21, we will be expanding our use of mobile-friendliness as a [ranking signal](#). This change will affect all mobile searches in all languages worldwide and will have a significant impact in our search results. Content creators will find it easier to get relevant, high quality search results that are optimized for their devices.

To get help with making a mobile-friendly site, check out our [guide to mobile-friendly sites](#). If you're a developer, you can get ready for this change by using the following tools to see how Googlebot views your pages:

- If you want to test a few pages, you can use the [Mobile-Friendly Test](#).



Hey! Rankings in mobile search results will change **April 21st.**

[Check here](#) if your site is mobile-friendly.

http://www.joomlacomunity.eu/

ANALYZE

Not mobile-friendly

Reasons this page is not mobile-friendly

- ✖

Text too small to read
- ✖

Links too close together
- ✖

Mobile viewport not set

How Googlebot sees this page

This page uses 44 resources which are blocked by robots.txt. The results and screenshot may be incorrect. [Learn how to unblock resources for Googlebot.](#)

[Show resources](#)



Make this page mobile-friendly

This page appears to use Joomla!. To learn how to make this page mobile-friendly, use our technical guide for Joomla!, or share the guide with your web developer.

Next

[I do not use Joomla!.](#)

Do you use Google Webmaster Tools?

See how many of your pages are mobile-friendly by signing into your [Webmaster Tools](#) account.



» I do not

Do you

See how
signing int

Example

<https://www.example.com/>

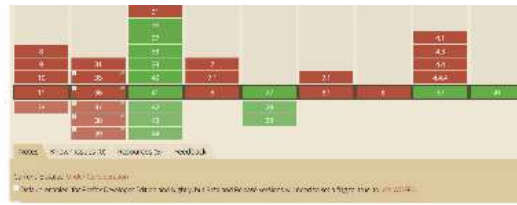
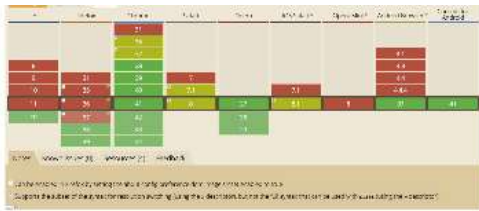
Mobile-friendly - This is an example of a website that is well-designed for mobile devices.



A black and white photograph of Martin Luther King Jr. speaking into a microphone. He is wearing a dark suit and tie, and his mouth is open as if he is in the middle of a speech. The background is blurred, showing a large crowd of people. A dark speech bubble is overlaid on the right side of the image, containing the text "I had a dream that the day would come, that we all go Mobile" and the date "21 April 2015".

I had a dream that
the day would come, that
we all go Mobile

21 April 2015

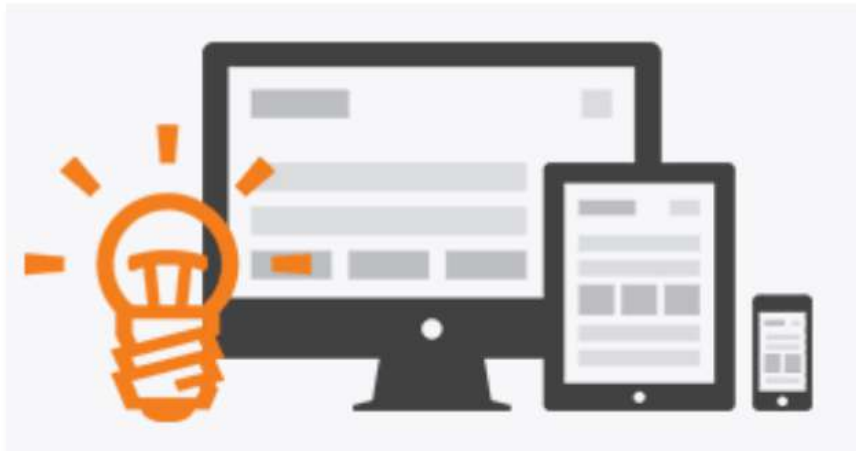


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- If you have a site, you can use your Webmaster Tools account to get a full list of mobile usability issues across your site using the Mobile Usability Report.

2. More relevant app content in search results

so is the **story** still truth on **Responsive Mythes?**



- Performance is priority
- Use RWD as a tool
- Hack the technique if necessary
- Use correct CSS elements
- Serve only which is needed

- Performance is priority
- Use RWD as a tool
- Hack the technique if necessary
- Use correct CSS elements
- Serve only which is needed



That's all Folks!



My name: **Ray Bogman**

- Joomla/Magento evangelist
- Trainer
- Performance nerd
- Security geek
- Mobile freak

@ SupportDesk.nu

<http://www.linkedin.com/in/raybogman>

<http://www.twitter.com/raybogman>

Resources:

- <http://sixrevisions.com/javascript/mobile%C2%A0web-development-frameworks/>
- <http://caniuse.com/fontface>
- <http://blog.cloudfour.com/are-css-sprites-a-mobile-web-worst-practice/>
- <http://stevesouders.com/mobileperf/mobileperfbkm.php>
- https://en.wikipedia.org/wiki/XHTML_Mobile_Profile
- <http://mobile.smashingmagazine.com/2013/01/09/bandwidth-media-queries-we-dont-need-em/>
- <http://www.igvita.com/2013/03/07/faster-smaller-and-more-beautiful-web-with-webp>
- <http://scottjehl.github.io/picturefill/examples/demo-03.html>
- <https://gist.github.com/hdragomir/8f00ce2581795fd7b1b7>
- <http://responsivedesign.is/articles/responsive-images-in-chrome-and-firefox>
- <http://www.smashingmagazine.com/2014/05/14/responsive-images-done-right-guide-picture-srcset/>
- <https://github.com/aFarkas/respimage>
- <http://ericportis.com/posts/2014/srcset-sizes/>