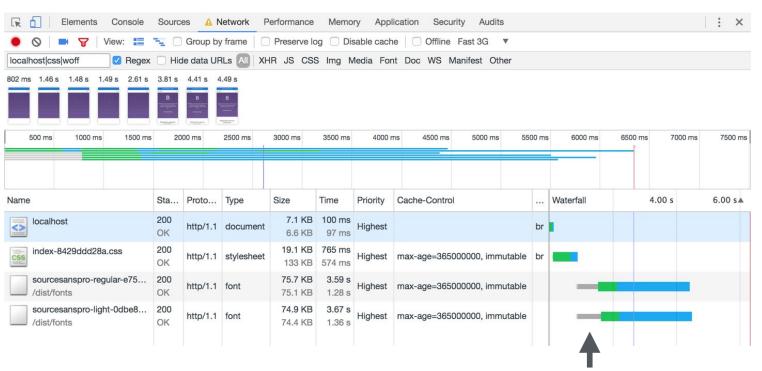
CODE CLASS RESOURCE HINTS

"Resource Hints are Performance freebies" — Harry Roberts (<u>acsswizardry</u>)



PROBLEM



files are requested after browser encounters reference

SOLUTION

```
k rel="{ method }"
href="{ resourceUrl }">
```

<link rel="dns-prefetch" href="https://mycdn.com">

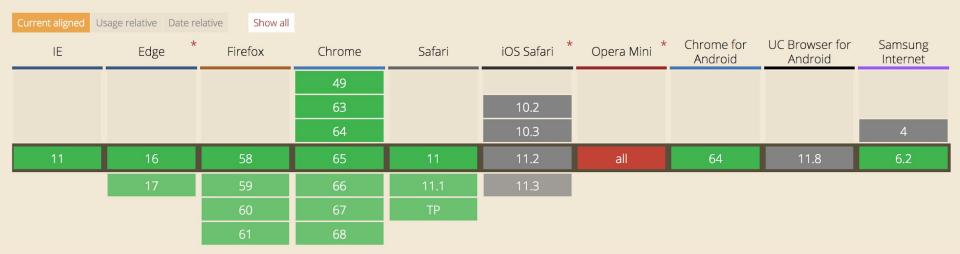
Resource Hints: dns-prefetch ■ - wd

Usage Global % of all users

74.38% + 0.12% = 74.5%

Gives a hint to the browser to perform a DNS lookup in the background to improve performance. This is indicated using <link

rel="dns-prefetch" href="http://example-domain.com/">



<link rel="preconnect" href="https://fonts.google.com">

Resource Hints: preconnect - wd

Usage Global % of all users

65.7% + 1.63% = 67.32%

Gives a hint to the browser to begin the connection handshake (DNS, TCP, TLS) in the background to improve performance. This is

indicated using <link rel="preconnect" href="https://example-</pre>

domain.com/">

Current aligned Usage relative Date relative Show all									
IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
			49						
			63		10.2				
			64		10.3				4
11	16	58	65	11	11.2	all	64	11.8	6.2
	17	59	66	11.1	11.3				
		60	67	TP					
		61	68						

k rel="preload" as="script" href="/js/hero.js">

Resource Hints: preload -cr

Usage Global % of all users

59.97% + 0.55% = 60.52%

Using link rel="preload">, browsers can be informed to prefetch resources without having to execute them, allowing fine-grained control over when and how resources are loaded.



<link rel="prefetch" as="script" href="/js/gallery.js">

Resource Hints: prefetch - wd

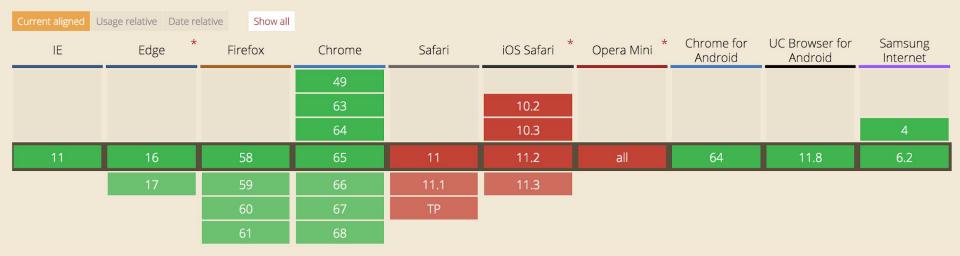
Usage Global

% of all users

82.06%

Informs the browsers that a given resource should be prefetched so it can be loaded more quickly. This is indicated using <link

rel="prefetch" href="(url)">



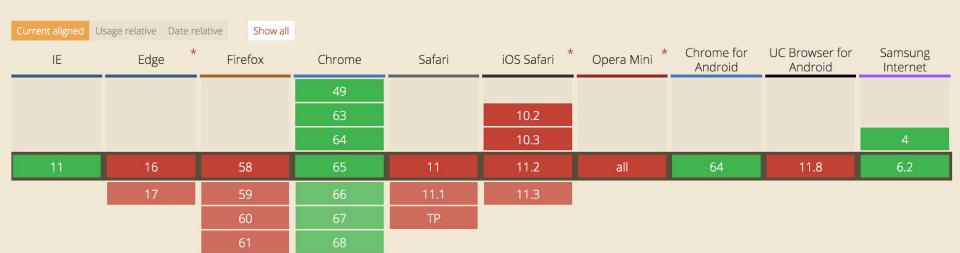
```
k rel="preload" as="script" href="/js/hero.js">
         prefetch
                      audio
                      document
                      embed
                      fetch
                      font
                      image
                      object
                      script
                      style
                      track
                      worker
                      video
```

k rel="prerender" href="/next-page">

Resource Hints: prerender - wd

Usage % of all users \$
Global 65.6%

Gives a hint to the browser to render the specified page in the background, speeding up page load if the user navigates to it. This is indicated using link rel="prerender" href="(url)">



Cookies op Trouw

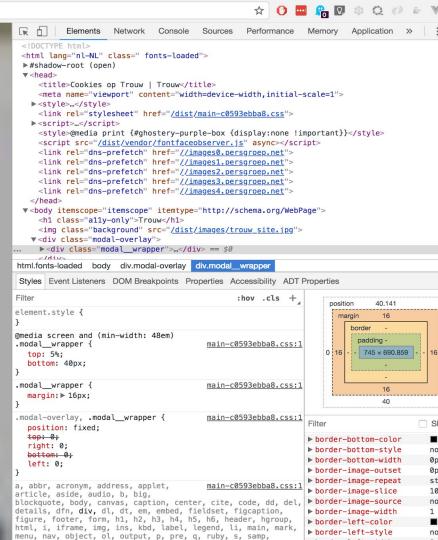
Trouw.nl gebruikt cookies en vergelijkbare technologieën ("cookies") onder andere om u een optimale gebruikerservaring te bieden.

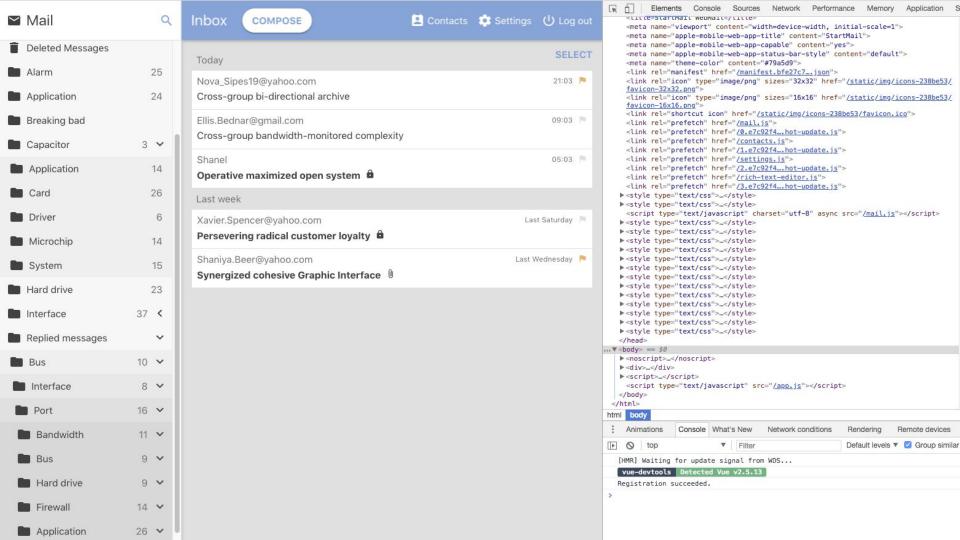
JA, IK ACCEPTEER COOKIES

Ook kunnen we hierdoor het gedrag van bezoekers vastleggen en analyseren en daardoor onze website verbeteren. Cookies van onszelf en van derden kunnen worden gebruikt om advertenties te tonen en artikelen aan te bevelen op Trouw.nl die aansluiten op uw interesses. Derden kunnen uw internetgedrag volgen en kan gebruikt worden om op sites van derden relevante advertenties te tonen. Cookies van derde partijen maken daarnaast mogelijk dat u informatie kunt delen via social media zoals Twitter en Facebook. Meer informatie hierover vindt u in ons cookie-statement.

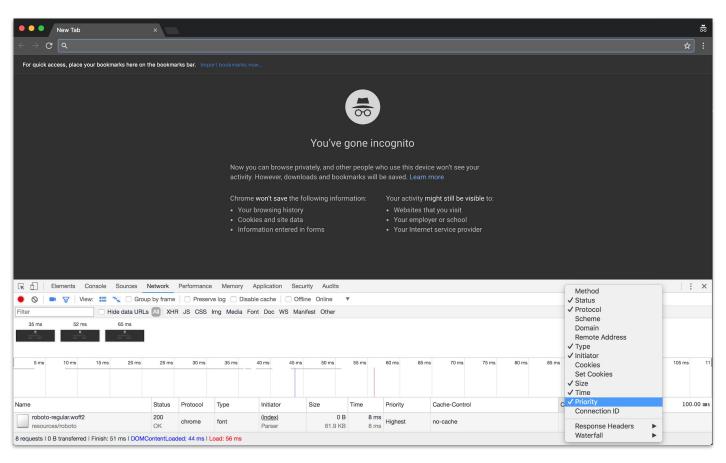
KLANTENSERVICE Bel: 088-056 1561 SELF SERVICE

DIGITALE KRANT





HOW TO TEST?



EXERCISES

github.com/voorhoede/code-class-resource-hints

EXERCISE 1

Use a Resource Hint to speed up the image loading on the current page.

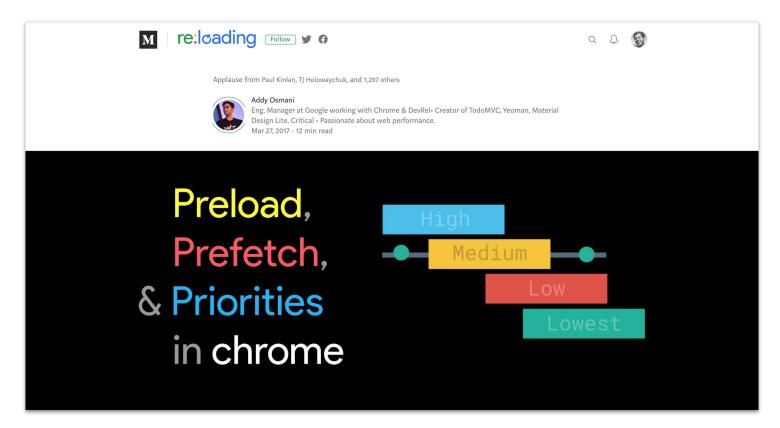
EXERCISE 2

Use a Resource Hint to improve time to First Contentful Paint (FCP) of the current page.

EXERCISE 3

Use a Resource Hint to improve time to First Contentful Paint (FCP) of the *next* page.

FURTHER READING





DE VOORHOEDE

front-end developers