

# Beta: Font refuse to load #15778

New issue

 Closed

seifsg opened this issue on Aug 19, 2017 · 13 comments

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seifsg commented on Aug 19, 2017

## Issue Description

Possibly occuring in all pages.

Opening the developer tool to find these error messages in the console:

```
(index):1 Refused to load the font
'data:font/woff;base64,d09GRgABAAAAAGVUABEAAAAAxuQAAQABAAAAAAAAAAAAAAAAAAAAAAAAABHREVGAABGAAAAC4AA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
https://*.bootstrapcdn.com https://*.optimizely.com 'self'".
```

```
(index):1 Refused to load the font
'data:font/woff;base64,d09GRgABAAAAAGz8ABEAAAAA09gAAQABAAAAAAAAAAAAAAAAAAAAAAAAABHREVGAABGAAAAC8AA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
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(index):1 Refused to load the font
'data:font/woff;base64,d09GRgABAAAAAG1gABEAAAAA1pAAQABAAAAAAAAAAAAAAAAAAAAAAAAABHREVGAABGAAAAC8AA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
https://*.bootstrapcdn.com https://*.optimizely.com 'self'".
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## Assignees

No one assigned

## Labels

status: discussing

## Projects

None yet

## Milestone

No milestone

## Notifications

## 7 participants



```
'data:font/woff;base64,d09GRgABAAAAAJd6ABIAAABdegAAAAAACWIAAAAVoAAAKDAAAAAAAAABHUE9TAACDdAAAE10AA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
https://*.bootstrapcdn.com https://*.optimizely.com 'self'".
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(index):1 Refused to load the font

```
'data:font/woff;base64,d09GRgABAAAAKD5ABIAAABjrQAAAAAACfoAAAVkAAAKCAAAAAAAAAABHUE9TAACLrAAAE6UAA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
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(index):1 Refused to load the font

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'data:font/woff;base64,d09GRgABAAAAIt0ABEAAAABQDwAAQABAAAAAAAAAAAAAAAAAAAAAAAAABHUE9TAAABgAAACLoAA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
https://*.bootstrapcdn.com https://*.optimizely.com 'self'".
```

(index):1 Refused to load the font

```
'data:font/woff;base64,d09GRgABAAAAI3gABIAAABRWQAAQABAAAAAAAAAAAAAAAAAAAAAAAAABHUE9TAAABlAAACMoAA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
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```
'data:font/woff;base64,d09GRgABAAAAAI7kABEAAAABPbQAAQABAAAAAAAAAAAAAAAAAAAAAAAAABHUE9TAAABgAAACOkAA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
https://*.bootstrapcdn.com https://*.optimizely.com 'self'".
```

(index):1 Refused to load the font

```
'data:font/woff;base64,d09GRgABAAAAEzMABMAAAAEzAAAQAAAAAAAAAAAAAAAAAAAAAAAAABGRlRNAABqAAAAABwAA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
https://*.bootstrapcdn.com https://*.optimizely.com 'self'".
```

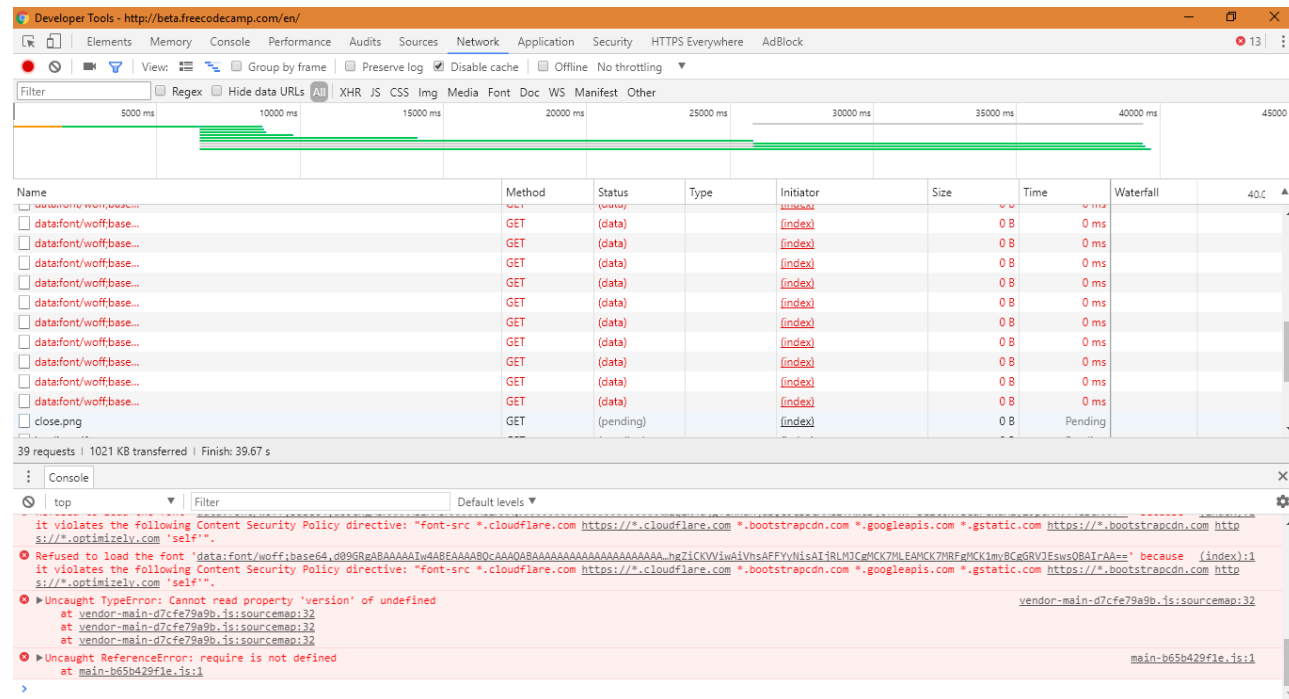
(index):1 Refused to load the font

```
'data:font/woff;base64,d09GRgABAAAAIw4ABEAAAABQcAAAQABAAAAAAAAAAAAAAAAAAAAAAAAABHUE9TAAABgAAACU8AA
because it violates the following Content Security Policy directive: "font-src *.cloudflare.com
https://*.cloudflare.com *.bootstrapcdn.com *.googleapis.com *.gstatic.com
https://*.bootstrapcdn.com https://*.optimizely.com 'self'".
```

## Browser Information

- Browser Name, Version: Chrome only
- Operating System: Windows 10
- Mobile, Desktop, or Tablet: Desktop

## Screenshot



vkWeb commented on Aug 20, 2017

Contributor

When I tried to reproduce this in opera (which is based on chromium) I wasn't able to do so. But it's only happening with chrome as mentioned by you. The thing here is that the website looks exactly same on both the browsers.

We'll have to look into this deeply.

@QuincyLarson Thoughts?



DusanSacha commented on Aug 22, 2017

Contributor

Could you post the exact link where did you reproduce the error?  
I have the same configuration as mentioned in the first post, I don't see any console errors though.  
(Temporary problem possibly?)



zk433 commented on Aug 22, 2017 • edited ▼

Contributor

I see the same issue on every beta page. This, for example, is from [this](#) link.

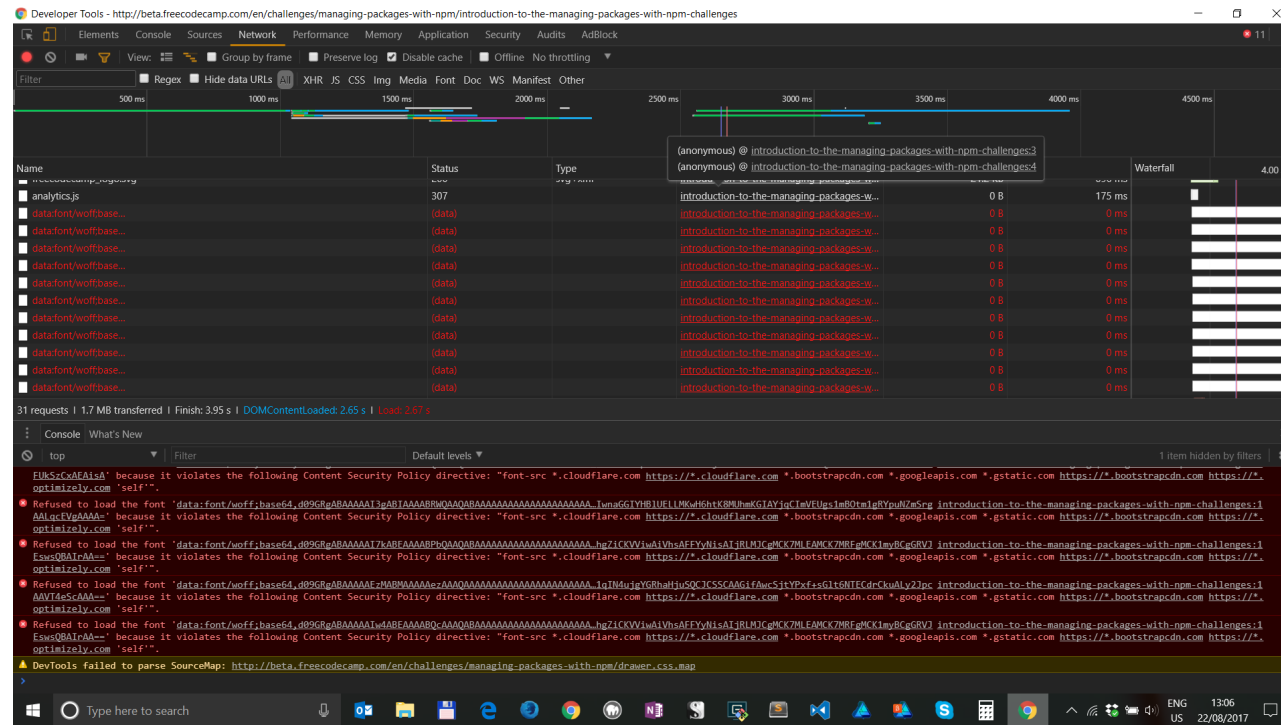
#### Browser Information

Browser Name, Version: Chrome

Operating System: Windows 10

Mobile, Desktop, or Tablet: Desktop

#### Screenshot



QuincyLarson commented on Aug 22, 2017

Contributor

This looks like an issue with the Content Security Policy. CC @BerkeleyTrue



BerkeleyTrue commented on Aug 22, 2017

Contributor

I'm not aware of any fonts that we use that are sourced as data blobs. Our fonts are set up as .tiff files.

Name	Status	Type	Initiator	Size	Time	Waterfall	2.00 s	3.1
<input type="checkbox"/> Lato-Regular.tiff	200	font	say-hello-to-html-elements	(from memory cache)	0 ms			
<input type="checkbox"/> UbuntuMono-Regular.tiff	200	font	say-hello-to-html-elements	(from memory cache)	0 ms			
<input type="checkbox"/> fontawesome-webfont.woff?v=4.5.0	200	font	say-hello-to-html-elements	(from memory cache)	0 ms			
<input type="checkbox"/> icons.ttf?v=2.0.0	200	font	say-hello-to-html-elements	(from memory cache)	0 ms			

These are the totality of all our fonts.

I suspect some errant third party extension

  systemotic added the **beta** label on Sep 18, 2017



zk433 commented on Sep 23, 2017

Contributor

Just to update you all, I still get the errors, in FCC, in Beta and while running FCC locally as well. It produces 33 errors every time.



QuincyLarson commented on Oct 3, 2017

Contributor

@zk433 are you getting the same errors reported by @seifsg? Can you look in the staging branch and see whether any of these fonts are referred to anywhere in there? If not, it may be a dependency that's trying to load them.



zk433 commented on Oct 3, 2017

Contributor

@QuincyLarson Yes, it's exactly the same issue every single time. And always repeats 33 times.

I looked through the codebase and I couldn't find anything there. But based on some googling, it seems to be related to the Content Security Policy set up: 'font-src': "data:" should be added to it to allow for fonts to be loaded from data: URIs. I did find the content-security-policy-builder dependency, but that's as far as I got since I have no idea what it is that I'm looking for - this is way over my head, sorry!



QuincyLarson commented on Oct 3, 2017

Contributor

@zk433 Thanks for doing this research.

@BerkeleyTrue would using `font-src': "data:"` like @zk433 proposed open us up to any additional threats that you can think of? If so, it sounds like this might solve this minor issue that several campers have independently reported.



BerkeleyTrue commented on Oct 3, 2017 • edited ▼

Contributor

Yes, it is possible that using font-src data would open us up to some vulnerabilities.

Just to reiterate, we don't use any fonts in the form of data blobs. Neither should the page linked above require any fonts other than what we already link to. This is most likely a third part extension issue.



BerkeleyTrue added **status: discussing** and removed **beta** labels on Oct 3, 2017



QuincyLarson commented on Oct 4, 2017

Contributor

@BerkeleyTrue OK - thanks for the clarification.

@zk433 Can you try to open this in incognito tab with all of your Chrome extensions turned off and see whether you're still able to reproduce this issue?



zk433 commented on Oct 4, 2017

Contributor

@BerkeleyTrue , @QuincyLarson , yes 👍 ! There were no errors when using the incognito tab so I went through all my extensions and found that it was the Grammarly Chrome extension that was causing the errors! As soon as I disabled it, errors went away.

Well, that turned out to be a much simpler solution than I thought it would be :). But I learned a lot about the Content Security Policy so time well spent :)



BerkeleyTrue commented on Oct 4, 2017

Contributor

@zk433 I'm glad that worked out.

Happy Coding



 BerkeleyTrue closed this on Oct 4, 2017