



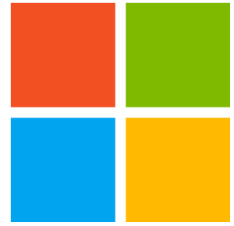
Hello!

I am Kieran Jacobsen

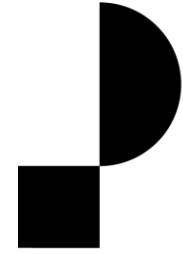
My pronouns are he/him

You can find me at @kjacobsen

GitHub



Microsoft



**Telstra
Purple**

NDC { Sydney }

YOW!



M U S E S

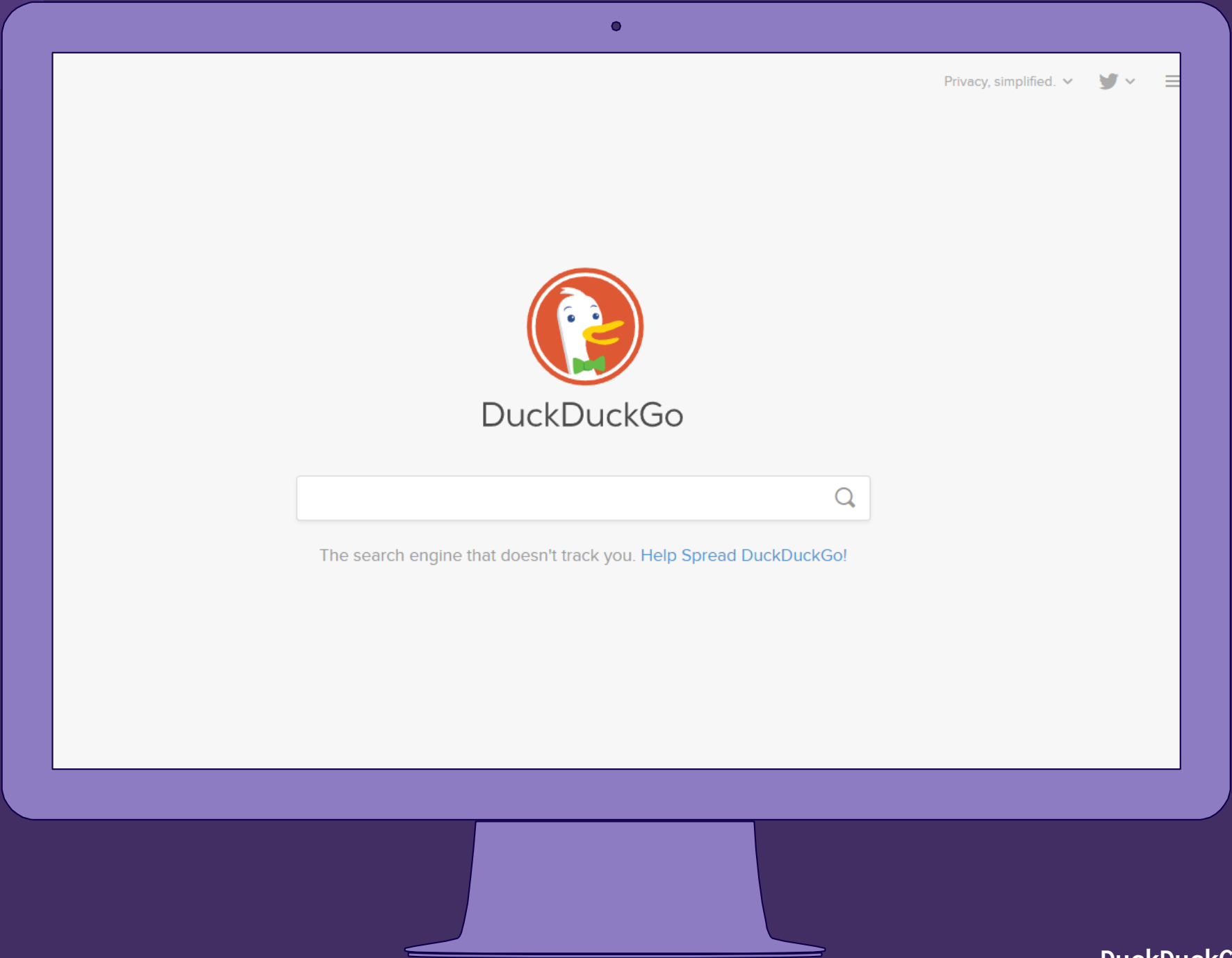
Backed by  Thinkmill



Photo source: WOCINTECHCHAT (wocintechchat.com)







Privacy, simplified. ▾

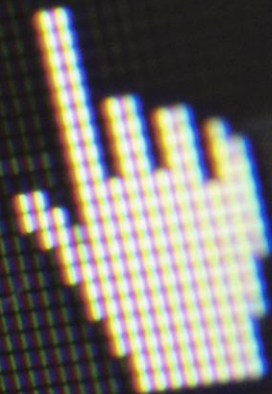


DuckDuckGo



The search engine that doesn't track you. [Help Spread DuckDuckGo!](#)

Settings



HTTP Headers



Scan your site now

enter address here

Scan

Hide results Follow redirects

Grand Totals

A+	855,958
A	5,829,754
B	1,896,980
C	1,148,661
D	4,218,198
E	2,941,298
F	22,627,763
R	3,942,185
Total	43,460,797

Recent Scans

www.chinapmk.com	F
bahybycatyza.ga	F
all4hair.com	F
dooleycreative.com	F
www.cses.tyc.edu.t...	E
lingva.odessa.ua	E
ya-to.ru	D
nightmare.s16.xrea...	F
oladapo.phpfox.us	F

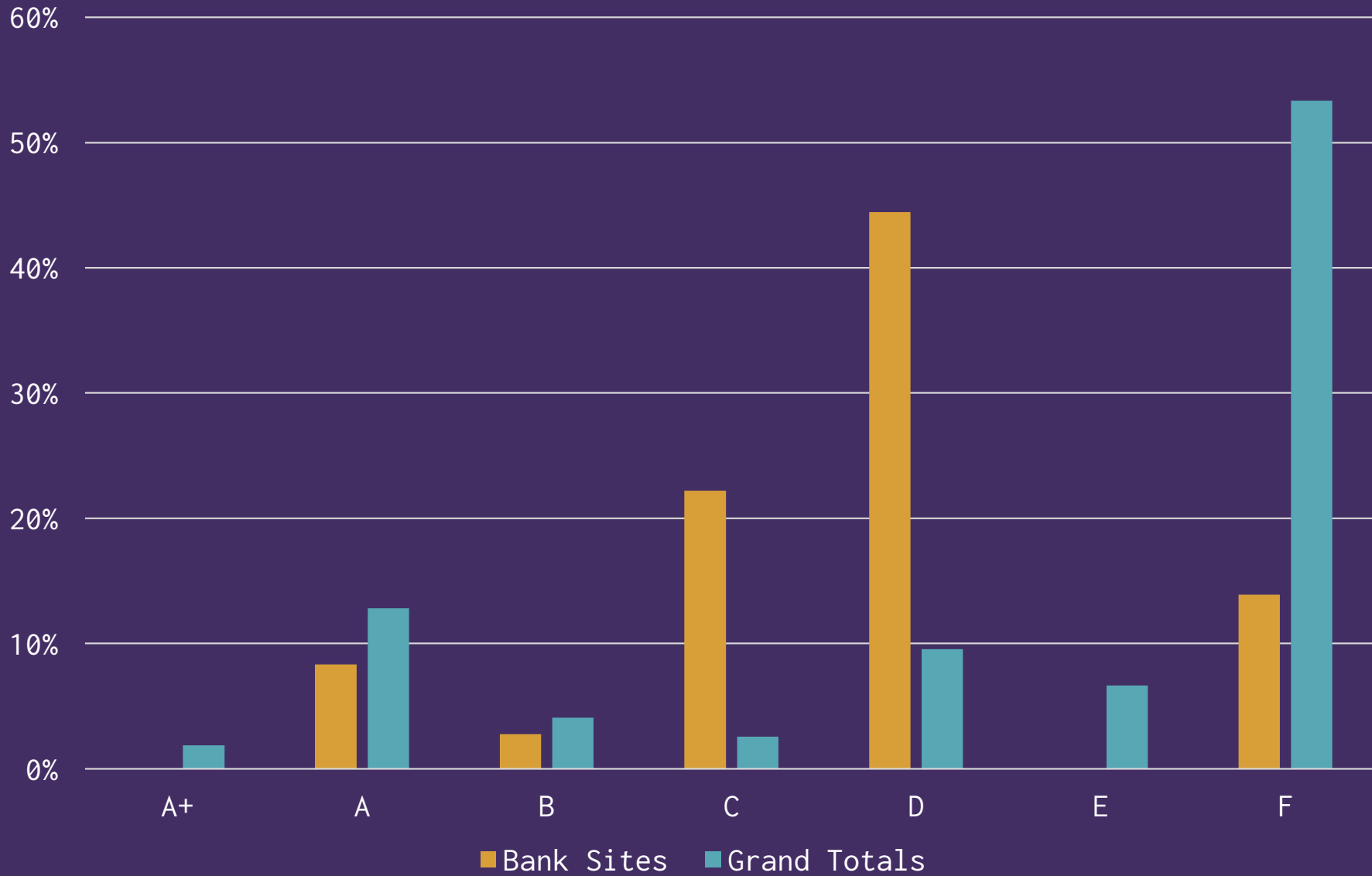
Hall of Fame

cardinity.com	A
northrim.com	A
dlp-core.jocata.co...	A
www.kaskus.co.id	A
createmydatabook-q...	A
jpmeyer.com	A
fjb.m.kaskus.co.id	A
www.toptencams.com	A
www.instagram.com	A

Hall of Shame

www.chinapmk.com	F
bahybycatyza.ga	F
all4hair.com	F
intuitiveclearvoic...	F
nightmare.s16.xrea...	F
oladapo.phpfox.us	F
fifteensecondhairs...	F
buildingmarketinte...	F
www.kj-inc.com	F

SecurityHeaders.io Grade Distribution



How did they go?



Winner:



Runner Up:



Special Prize:



Strict-Transport-Security

- Defends against PITM attacks
- Activated in browser if:
 - Connection is HTTPS with a valid certificate
 - Valid HSTS header sent
- Once activated:
 - HTTP links are converted to HTTPS
 - Disables click-through on Certificate warnings

HSTS Preload

- A valid certificate
- Redirect HTTP > HTTPS
- Serve all subdomains over HTTPS
- Serve a HSTS header on the base domain (must be google.com not www.google.com)
- Header must specify:
 - `max-age` of 1 year
 - `includeSubDomains` directive
 - `preload` directive
- Submit to hstspreload.org



Photo source: Pixabay

content-security-policy

- Mitigates Cross Site Scripting (XSS) and data injection attacks
- Whitelist of resources that can be loaded
- Violations can be reported by browser
- Report only mode: `content-security-policy-report-only`

✘ ▶ Refused to load the stylesheet 'https://s3.amazonaws.com/moovweb-marketing/playground/harlem_VM90:1-em-shake-style.css' because it violates the following Content Security Policy directive: "default-src bankwest.112.2o7.net bankwest.sc.omtrdc.net *.bankwest.com.au dpm.demdex.net bs.serving-sys.com maps.google.com maps.googleapis.com csi.gstatic.com lpcdn.lpsnmedia.net accdn.lpsnmedia.net sr1.liveperson.net lptag.liveperson.net ptag.liveperson.net sy.v.liveperson.net server.sy.liveperson.net <https://sy.idp.liveperson.net> <https://sy.msg.liveperson.net> <wss://sy.msg.liveperson.net> <https://bankwest-stage-03.adobecqms.net> sy.msghist.liveperson.net 'unsafe-inline' 'unsafe-eval' ". Note that 'style-src-elem' was not explicitly set, so 'default-src' is used as a fallback.

✘ ▶ Refused to load media from 'https://s3.amazonaws.com/moovweb-marketing/playground/harlem_rib.aspx:1-shake.mp3' because it violates the following Content Security Policy directive: "default-src bankwest.112.2o7.net bankwest.sc.omtrdc.net *.bankwest.com.au dpm.demdex.net bs.serving-sys.com maps.google.com maps.googleapis.com csi.gstatic.com lpcdn.lpsnmedia.net accdn.lpsnmedia.net sr1.liveperson.net lptag.liveperson.net ptag.liveperson.net sy.v.liveperson.net server.sy.liveperson.net <https://sy.idp.liveperson.net> <https://sy.msg.liveperson.net> <wss://sy.msg.liveperson.net> <https://bankwest-stage-03.adobecqms.net> sy.msghist.liveperson.net 'unsafe-inline' 'unsafe-eval' ". Note that 'media-src' was not explicitly set, so 'default-src' is used as a fallback.



Warning



WHAT'S YOUR STORY OF PROGRESS?

When you're ready to make it happen, so are we.

[Find out more](#)

View current interest rates for Personal and Business products.

[View interest rates](#)

What can you do?

- Review response headers
- Deploy security response headers
- Consider monitoring tools like report-uri.com

SSL/TLS Configuration



You are here: [Home](#) > [Projects](#) > SSL Server Test

SSL Server Test

This free online service performs a deep analysis of the configuration of any SSL web server on the public Internet. **Please note that the information you submit here is used only to provide you the service. We don't use the domain names or the test results, and we never will.**

Hostname:

Do not show the results on the boards

Recently Seen

[www.afr.com](#)
[uatpo.cbre.com](#)
[hostmidia.com.br](#)
[bocaus.onortec.com](#)
[geheimtext.de](#)
[www.safematix.com](#)
[reverbcity.tampapa.com.br](#) Err
[imogame.com](#)
[emr.hellobaby-project.club](#)

Recent Best

[login.mcg.com](#) A+
[negociador.portalexpers.com](#) A
[app.workrails.com](#) A
[hephaestus.at](#) A
[www.bougiesylvie.com](#) A
[club.10010.com](#) A
[directb2bqa2.dimensiondata.c...](#) B
[www.parkmedicalbilling.com](#) B
[uatpo.cbre.com](#) B

Recent Worst

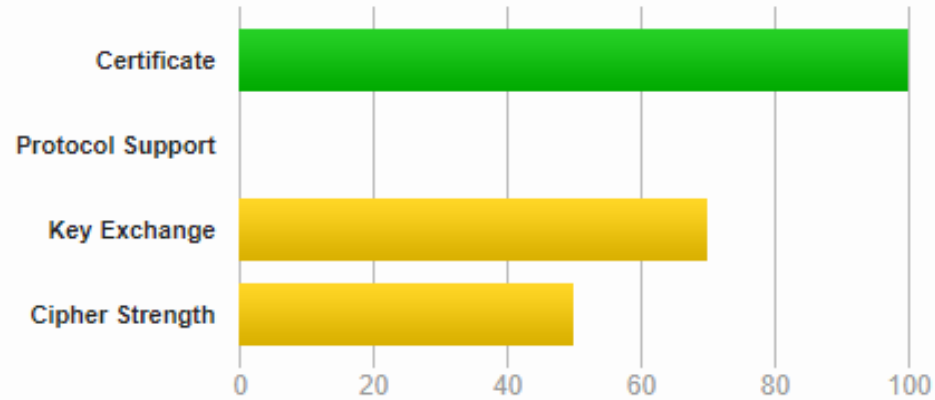
[fts.hedgeserv.com](#) F
[renault-api.tmh.energy](#) T
[happydrive.pl](#) T
[www.cacert.org](#) T
[test.poundwholesale.co.uk](#) T
[aircis.kr](#) F
[ctp.punjabgovt.gov.in](#) F
[vio.getwipay.com](#) F
[obmeno.kiev.ua](#) T

SSL Labs Grade Distribution



Summary

Overall Rating



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

This server is vulnerable to the Zombie POODLE vulnerability. Grade set to F. [MORE INFO »](#)

This server is vulnerable to the GOLDENDOODLE vulnerability. Grade set to F. [MORE INFO »](#)

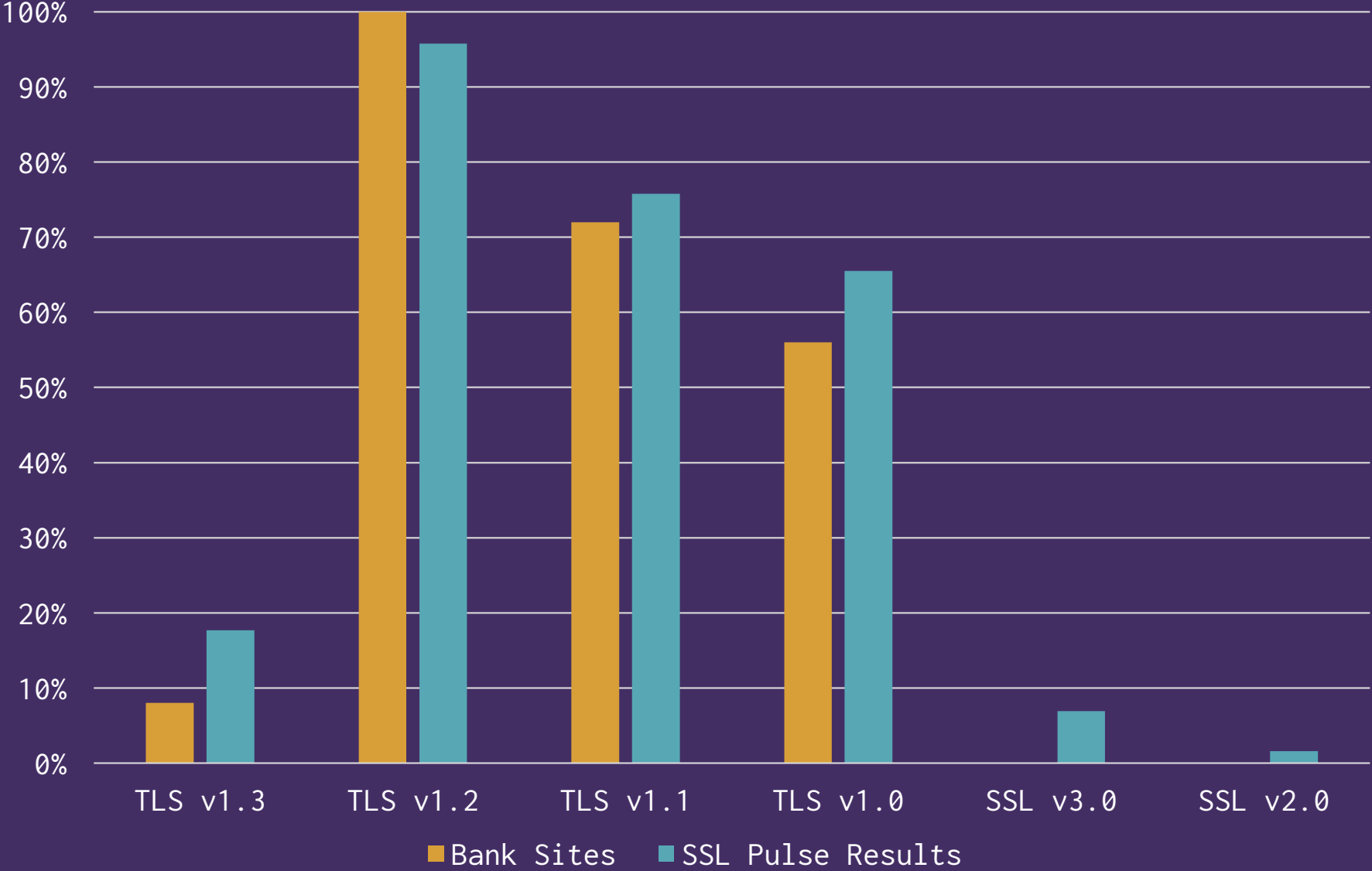
This server is vulnerable to the OpenSSL 0-Length vulnerability. Grade set to F. [MORE INFO »](#)

This server uses 64-bit block cipher (3DES / DES / RC2 / IDEA) with modern protocols. Grade capped to C. [MORE INFO »](#)

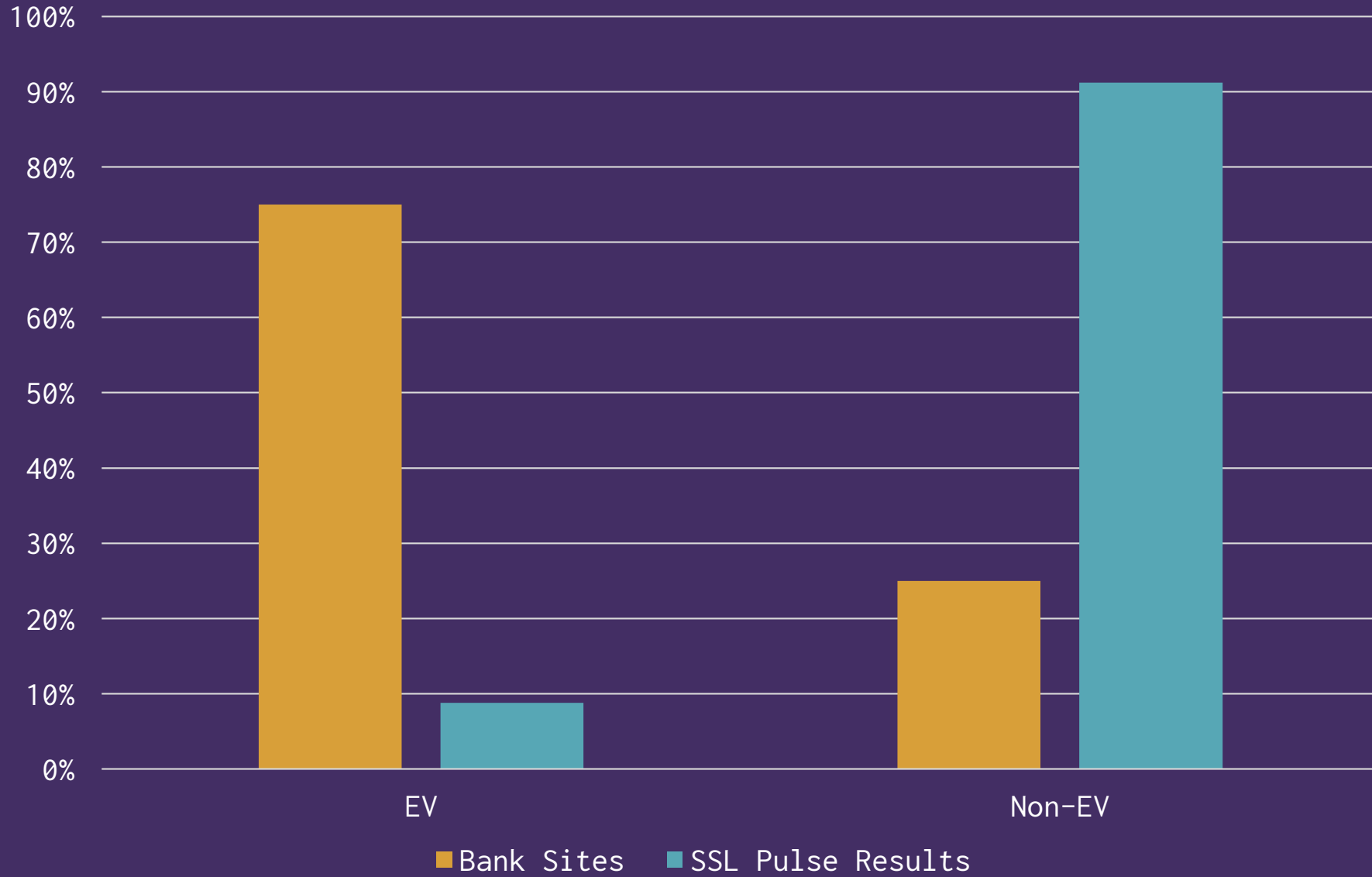
This server does not support Forward Secrecy with the reference browsers. Grade capped to B. [MORE INFO »](#)

This server does not support Authenticated encryption (AEAD) cipher suites. Grade capped to B. [MORE INFO »](#)

TLS Versions



EV Certificates



What can you do?



- Keep deploying TLS/SSL
- Follow best practice guides - <https://bit.ly/2aSNEEg>
- Use tools to monitor and validate your configuration

Security.txt






briankrebs 

@briankrebs

Follow



Need a security contact at [yahoo.com](https://www.yahoo.com)  , please. Anyone? oh, and Happy Thanksgiving folks!

6:45 AM - 22 Nov 2012



briankrebs 

@briankrebs

Follow



someone at [@hiltonhonors](https://twitter.com/hiltonhonors) needs to contact me. why is this company so hard to get a response from?

10:20 AM - 19 Mar 2015

What is security.txt?

- `<domain>/.well-known/security.txt`
- Proposed IEFT standard
- Helps define the process for people to disclose security vulnerabilities
- Specify:
contact, encryption, acknowledgements, preferred languages, policies and hiring links

← → ↻ 🔒 <https://www.facebook.com/.well-known/security.txt> 🔍 ☆

Contact: <https://www.facebook.com/whitehat/report/>

Acknowledgments: <https://www.facebook.com/whitehat/thanks/>

Policy: <https://www.facebook.com/whitehat/info/>

Hiring: <https://www.facebook.com/careers/teams/security/>

What can you do?

- Go to securitytxt.org and generate a file
- **Contact** directive is mandatory
- **Encryption** directive is recommended
- It is recommended that you digitally sign the file

What else could we have looked at?

- Email - SPF, DKIM, DMARC, TLS
- DNS - CAA, DNSSEC
- MFA
- Password Requirements
- Reported Breaches



Photo source: Warner Bros

Resources

- Securityheaders.com
- Harlem Shake - <https://pastebin.com/aJna4paJ>
- Sslabs.com
- SSL Best Practices -<https://bit.ly/2aSNEEg>
- Hardenize.com
- Hstspreload.org
- Securitytxt.org



Thanks!

You can find me at [@kjacobsen](https://poshsecurity.com) &
<https://poshsecurity.com>