

The image features a dark purple background with various geometric shapes in shades of blue, pink, yellow, and orange. There are solid circles of different colors and sizes, dashed circles, triangles in various orientations, and circles with patterns like stripes and polka dots. A large dark blue circle in the center contains the text "Bank Grade Security".

Bank Grade
Security

Bank Grade
Security





Hello!

I am Kieran Jacobsen

My pronouns are he/him

You can find me at @kjacobsen

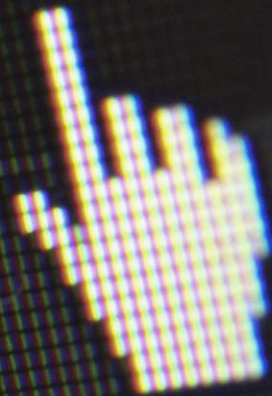


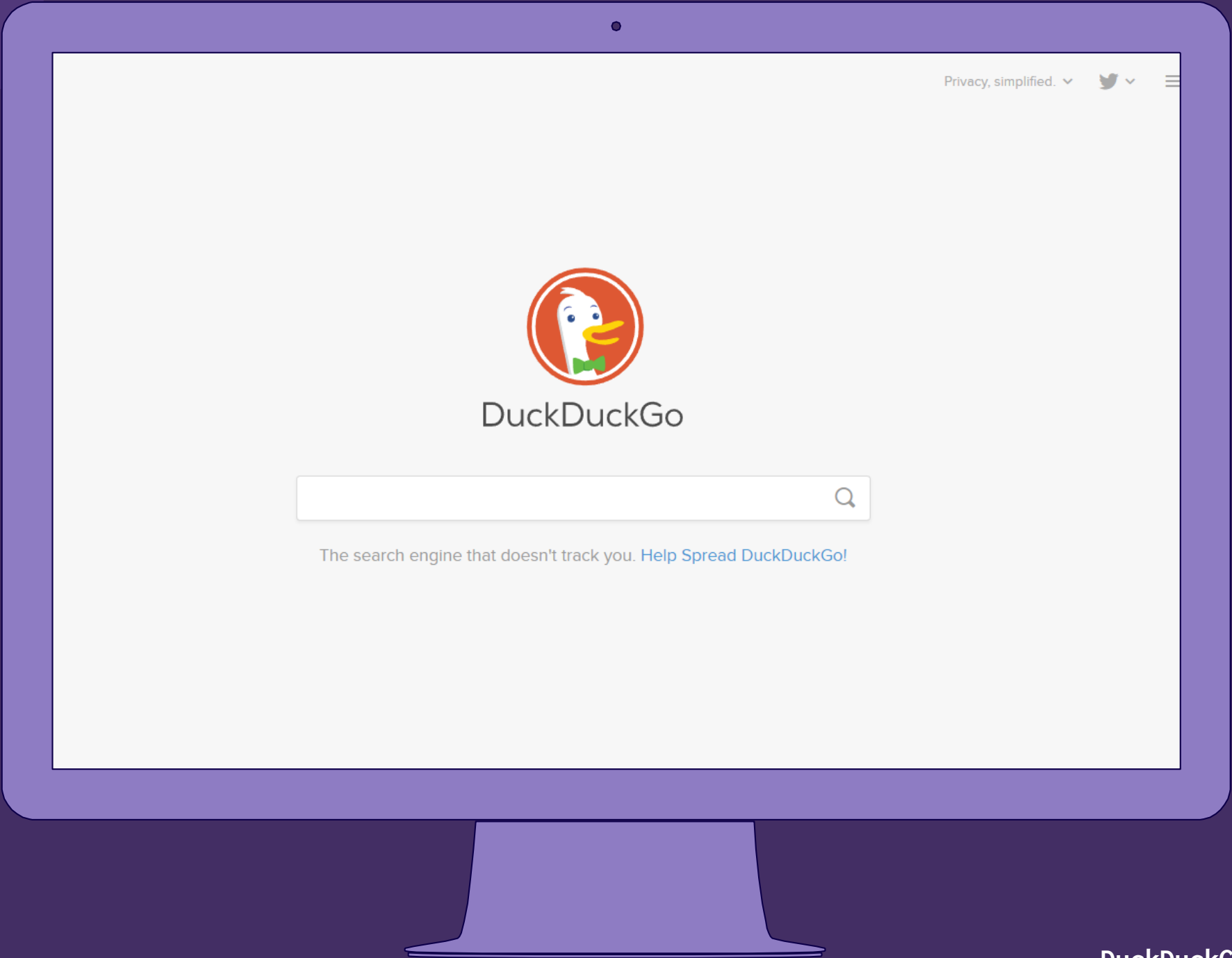
Photo source: WOCINTECHCHAT (wocintechchat.com)





Settings





Privacy, simplified. ▾



DuckDuckGo



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

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

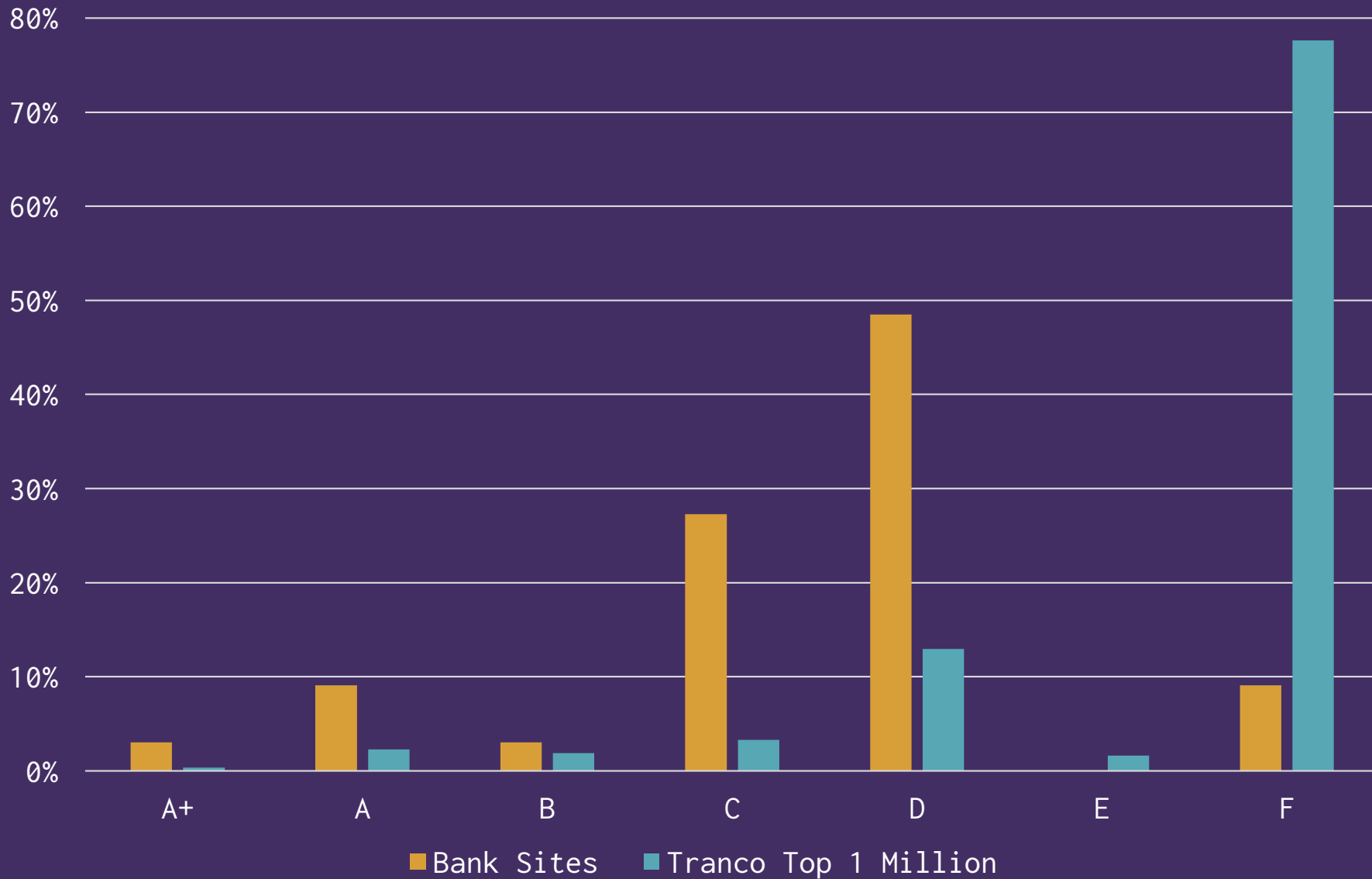
Hall of Fame

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:



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
- 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



Photo source: Luis Quintero

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](#)

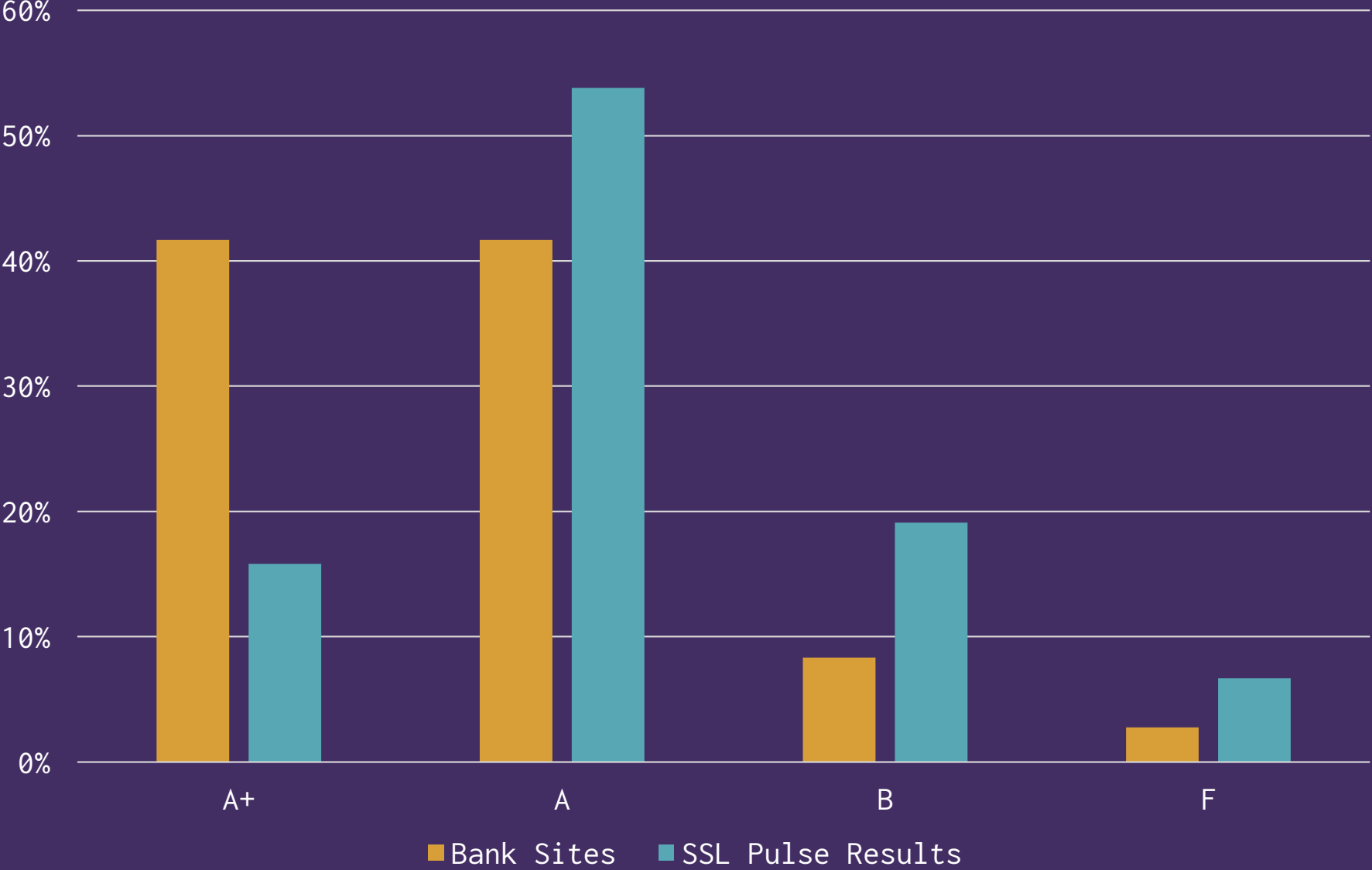
Recent Best

[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
[vjo.getwipay.com](#) F
[obmeno.kiev.ua](#) T

SSL Labs Grade Distribution



How Did They Go

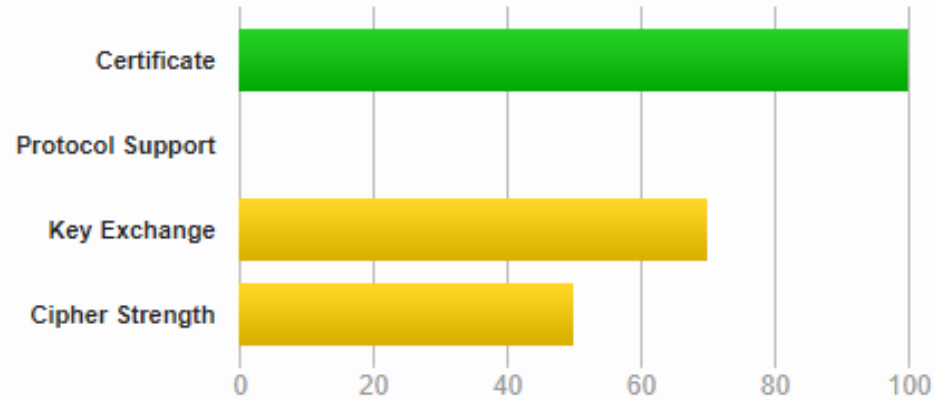
Winners:

CommonwealthBank



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 »](#)

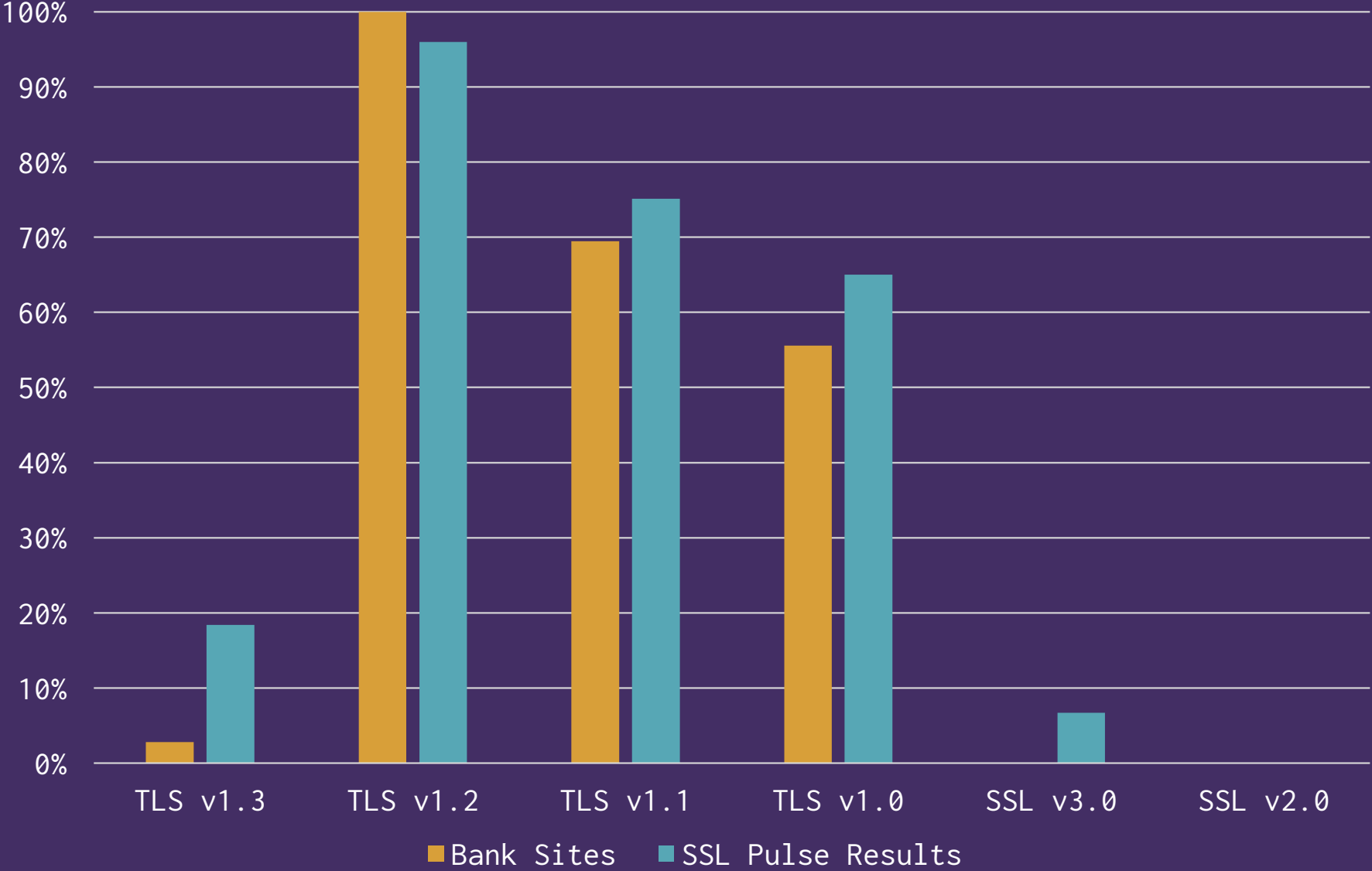
This server does not support Forward Secrecy with the reference browsers. Grade capped to B. [MORE INFO »](#)

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

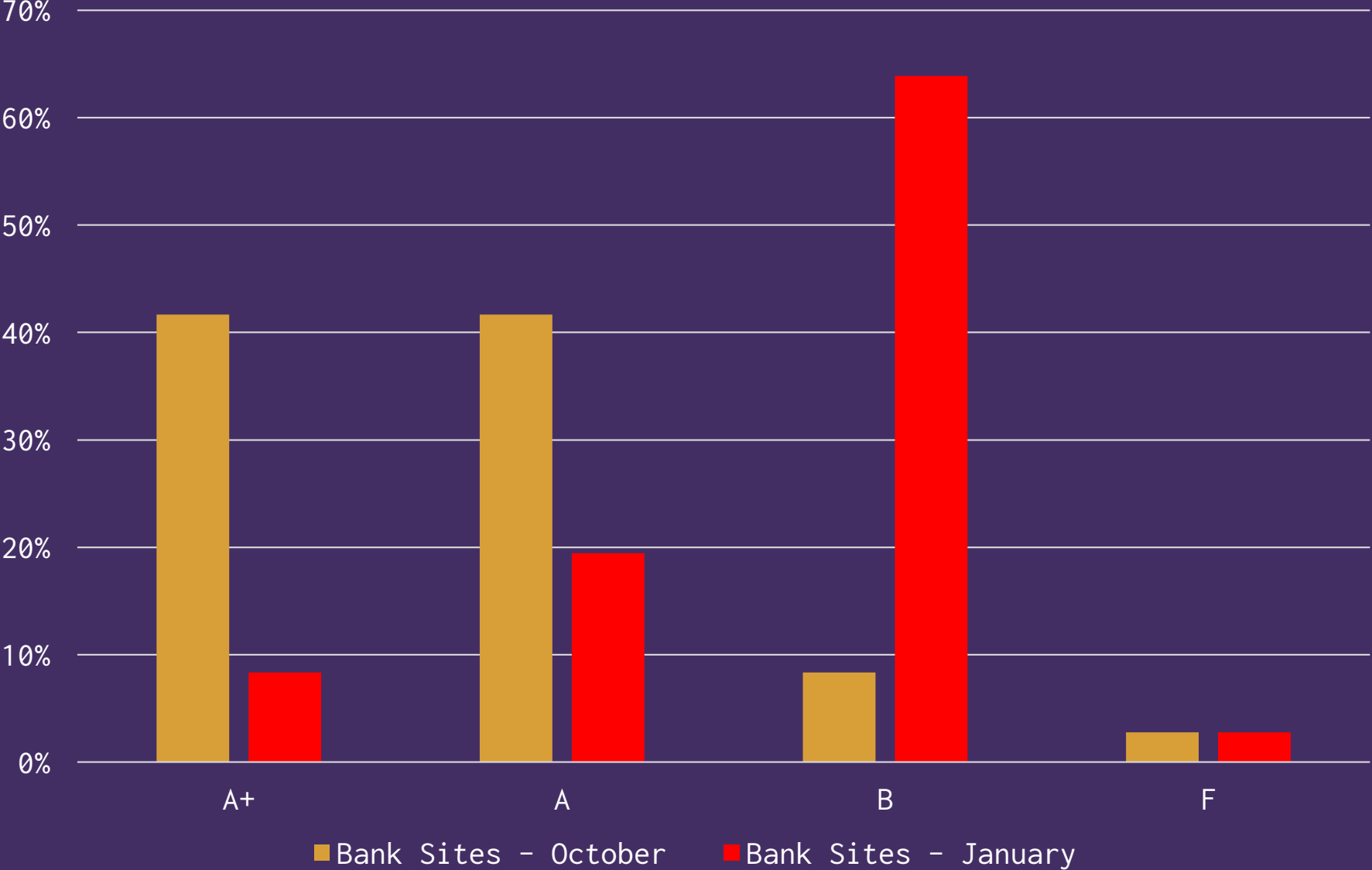


Photo source: Tropical.Pete on Flickr

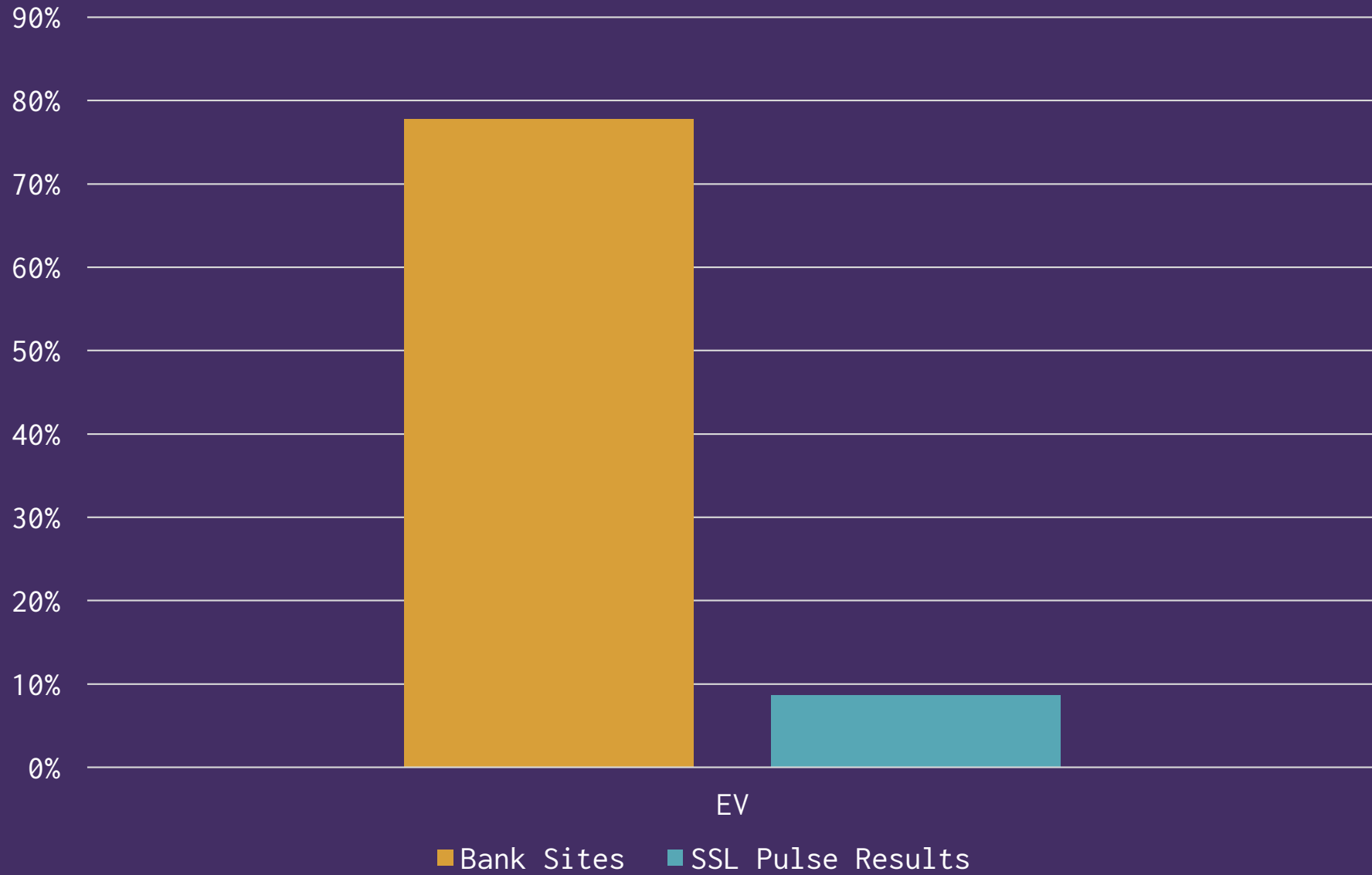
TLS Versions



SSL Labs Grade Distribution



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



Photo source: Marvel

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/>

How did the Banks go?

```
← → ↻ 🔒 https://www.amp.com.au/.well-known/security.txt 🔍 ☆
```

```
#  
# ( ) / |  
# | | | \ | | | / \ | / \ | / \ | / \ |  
# | | | | | | | | | | | | | | | | | | | | | | at amp.com.au  
# | | | | | | | | | | | | | | | | | | | | | |  
#  
contact: mailto:<see above>  
encryption: https://www.amp.com.au/infosec\_pubkey.txt
```


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
- DNS - CAA, DNSSEC
- MFA
- Password Requirements
- Reported Breaches



Photo source: American Zoetrope, Columbia



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>