This is why you can't trust new things …or Twitter

FRAMED, POSTED, INJECTED & SCRAPED

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Think your banking information is safe? Think again.

Here's what happens when your bank doesn't implement the most basic of security features. Here, we intercept the username & password... but we can collect *anything* the user enters #hack #bypassTLS #CSP #GDPR @AskHalifaxBank

SECURITY HEADERS:
SECURITY BEYOND TLS

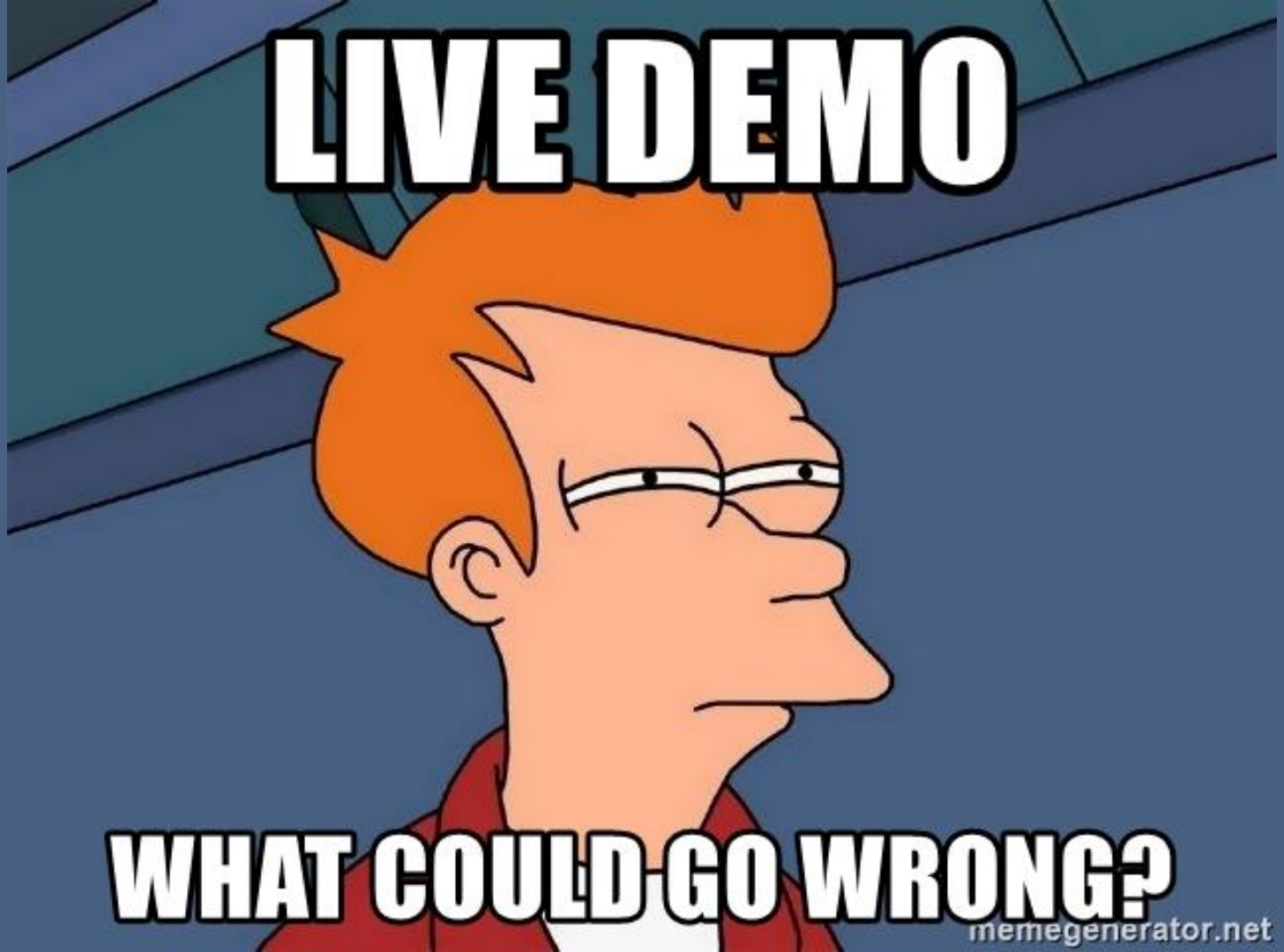
Whilst a growing number of websites deploy TLS, the implementation of adequate security headers lags woefully behind.

Here's an example of why they're so crucially important...

OPEN HALIFAX BANK

iPhone 3G
Steps removed and sequence shortened.
Network speeds may vary.

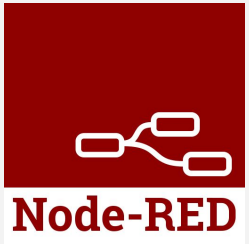
https://isitsafe.co.uk/SecurityHeaders/halifax/


LIVE DEMO
WHAT COULD GO WRONG?
memegenerator.net

Solihull Analytica

WARNING

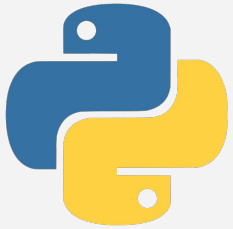
This is live Twitter data; I'm only filtering by topics so there may be language or views that offend.



Acquisition

Google Cloud Platform

Storage



Analytics

Sentiment Analysis

The use of natural language processing, text analysis and computational linguistics to systematically identify and quantify affective states.

… in other words it's AI that works out how much you like something.

Every week we send

£350 MILLION TO THE EU

Enough to build a new

NHS hospital every 7 days

CLICK TO HELP THE NHS

TURKEY HAS A POPULATION OF 76 MILLION

TURKEY IS JOINING THE EU. GOOD IDEA???

YES

NO

Healthcare and Border Security were part of the 1433 different micro-targeted campaigns used by Vote Leave on Facebook

This is a really small sample of data and we've reduced people to three attributes (Brexit opinion, EU opinion, social topic interest).

A fuller system would probably do more:

- Categorize retweets and likes different to new tweets
- Build a graph of followers and followees (e.g. PageRank)
- Track more topics
- Use more than sentiment analysis to infer opinions

People identified as having an interest in animal rights

The **EU** blocks our ability
to speak out and
PROTECT polar bears!
CLICK TO HELP THEM

THESE ARE ANIMALS.
NOT ENTERTAINMENT.
STOP ANIMAL ABUSE

People identified as having an association with a specific location

Last year Storms Desmond and Eva devastated our community

Do we need better flood defences?

NO

YES

Vote to Leave X

BETTER FOR FAMILY BUDGETS. MEANING LOWER BILLS FOR HARD-PRESSED FAMILIES.

CLICK HERE

DUP
www.mydup.com

The Internet is always evolving

For every extant species, there’s 100 others that weren’t good decisions

Each new technology creates new opportunities to attack people

Just being on the Internet gives people information about you and stealing bank details is nothing compared to the money to be made overthrowing governments