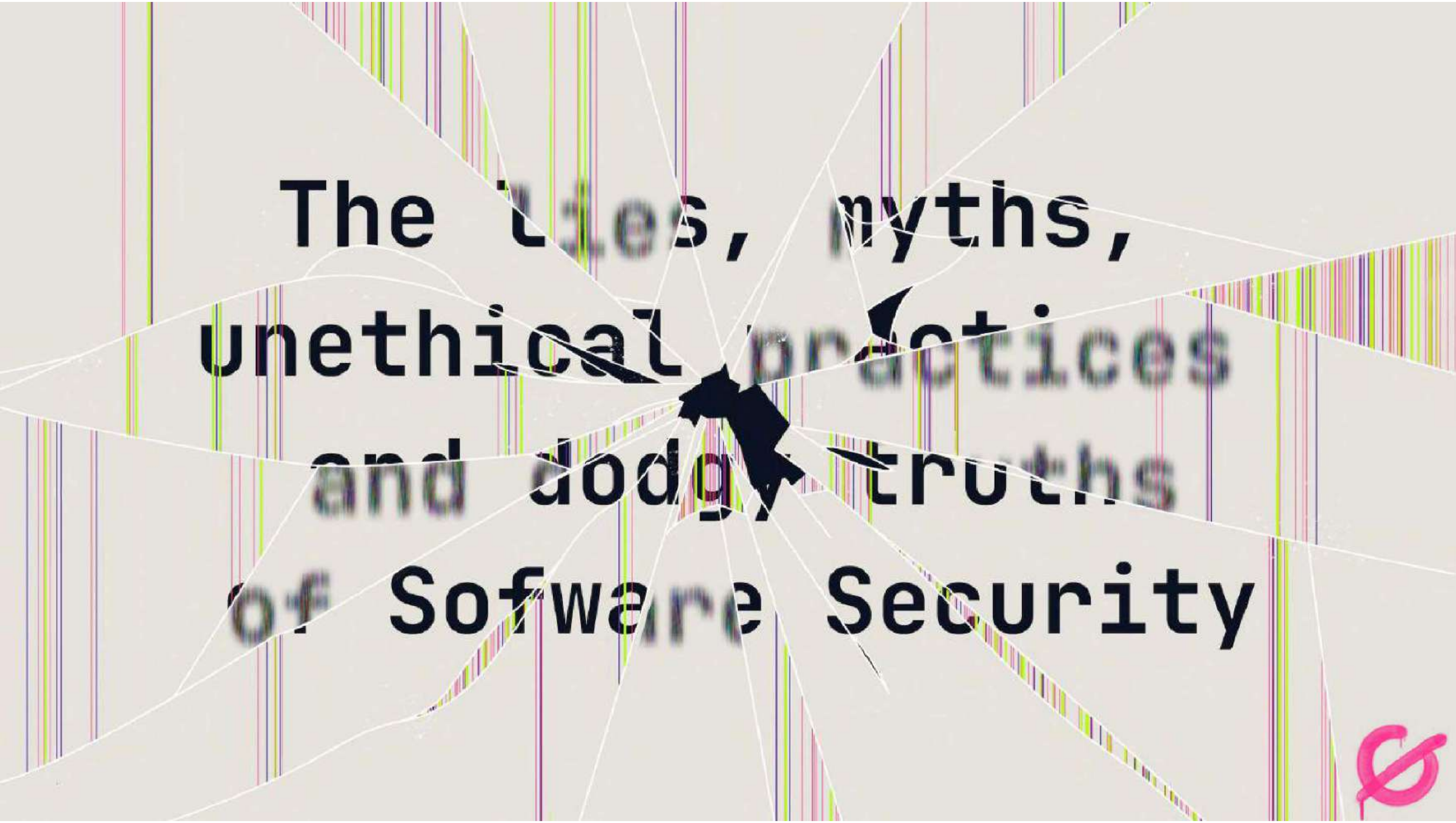
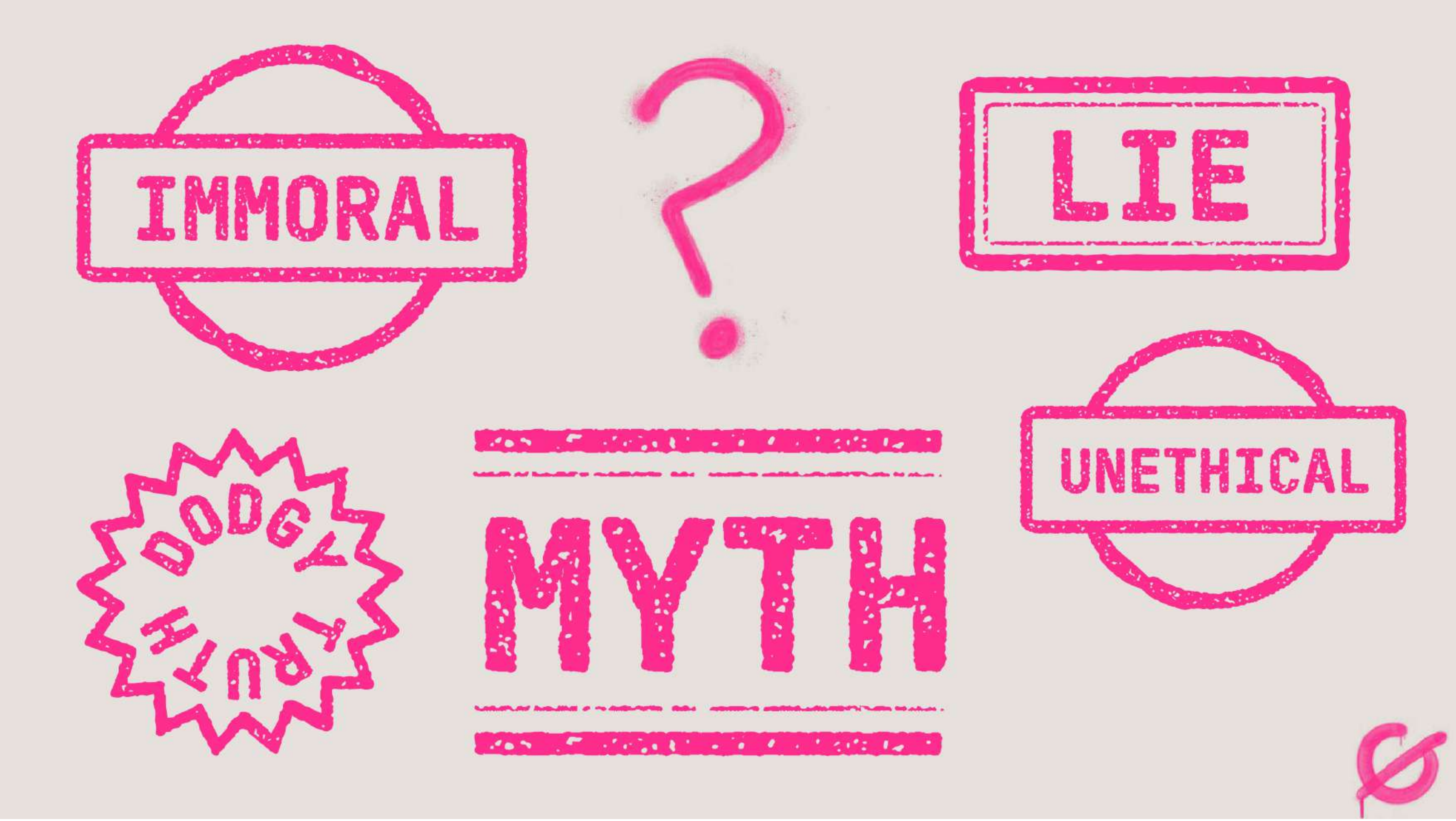
Mark Curphey Cyber Coalition, 15th June

The lies, myths, unethical practices and dodgy truths of Sofware Security



The lies, myths, unethical practices and dodgy truths of Sofware Security

The industry is out of control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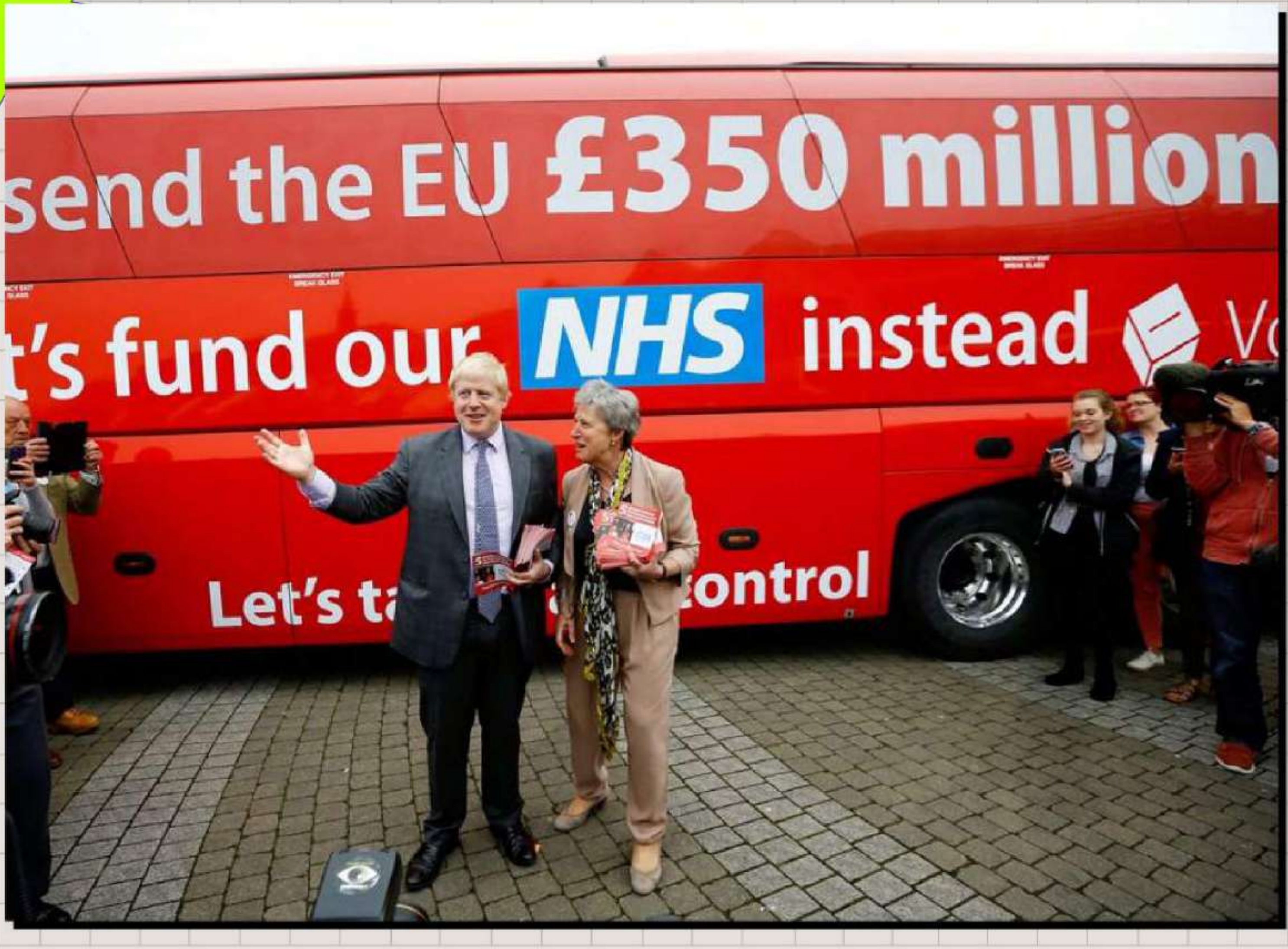
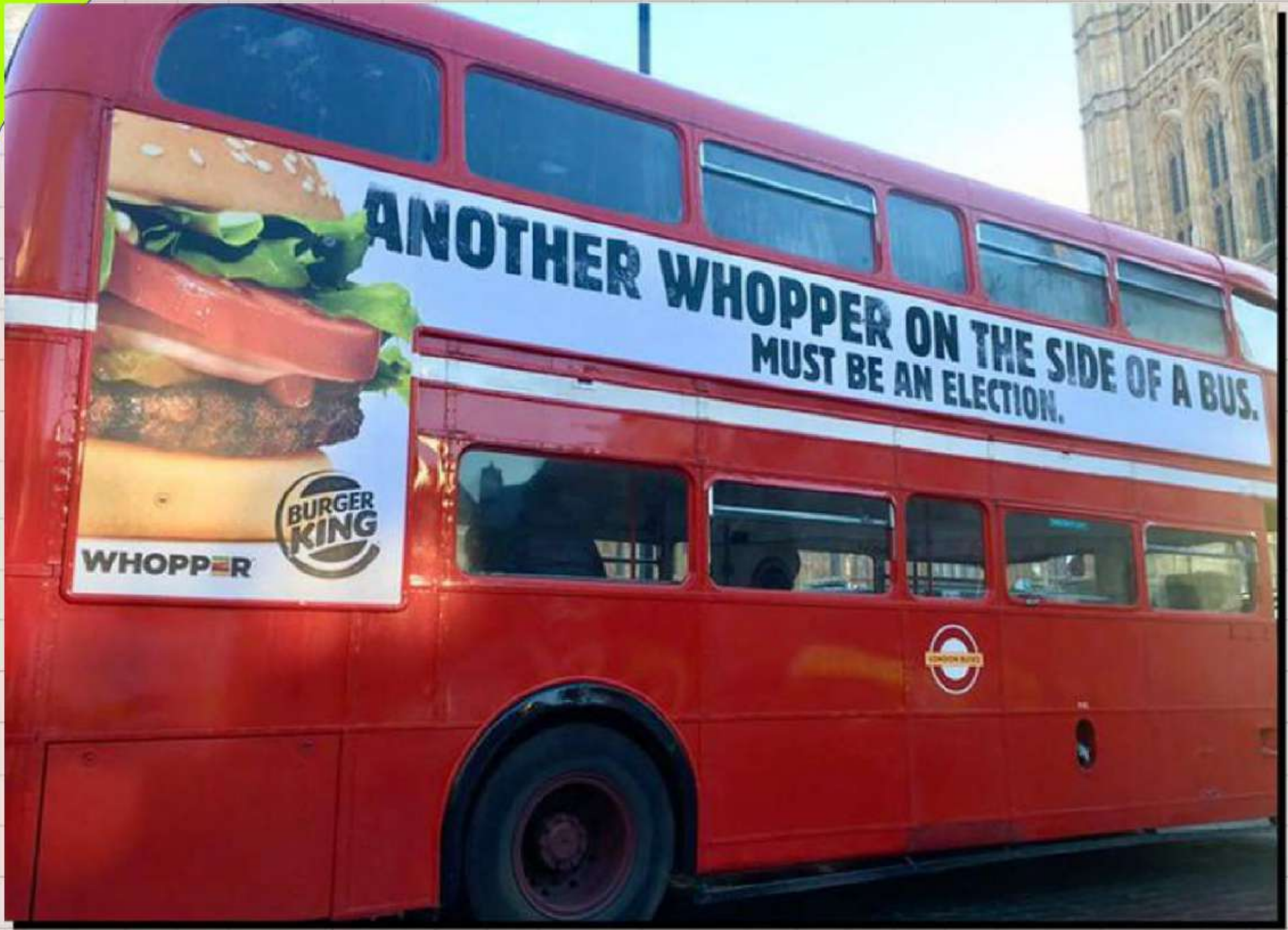
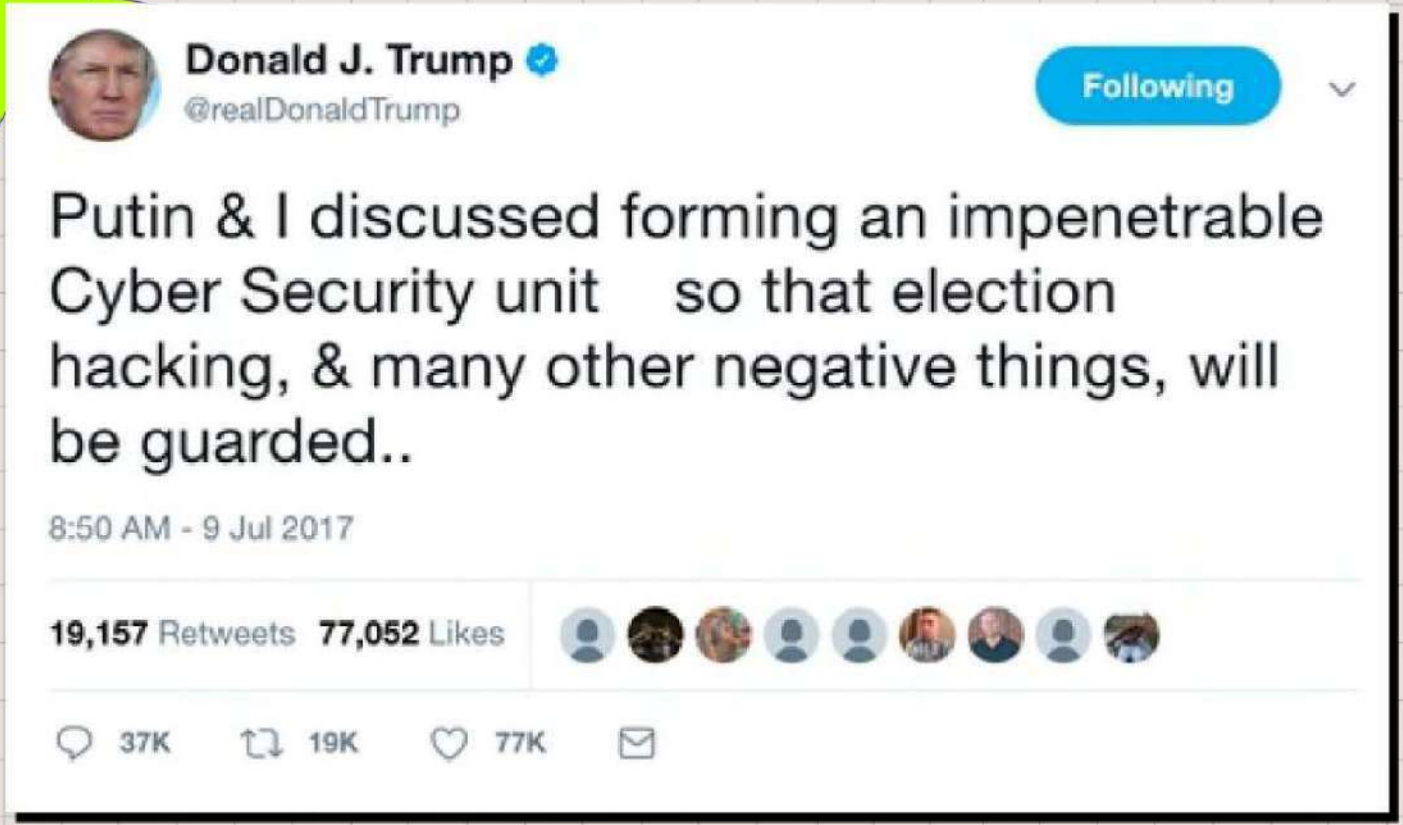
LIE
DODGY TRUTH
MYTH
UNETHICAL


send the EU £350 million
t's fund our NHS instead Vo
Let's ta control


ANOTHER WHOPPER ON THE SIDE OF A BUS.
MUST BE AN ELECTION.
BURGER KING
WHOPPER
LONDON BUSES



Donald J. Trump
@realDonaldTrump

Putin & I discussed forming an impenetrable Cyber Security unit so that election hacking, & many other negative things, will be guarded..

8:50 AM - 9 Jul 2017

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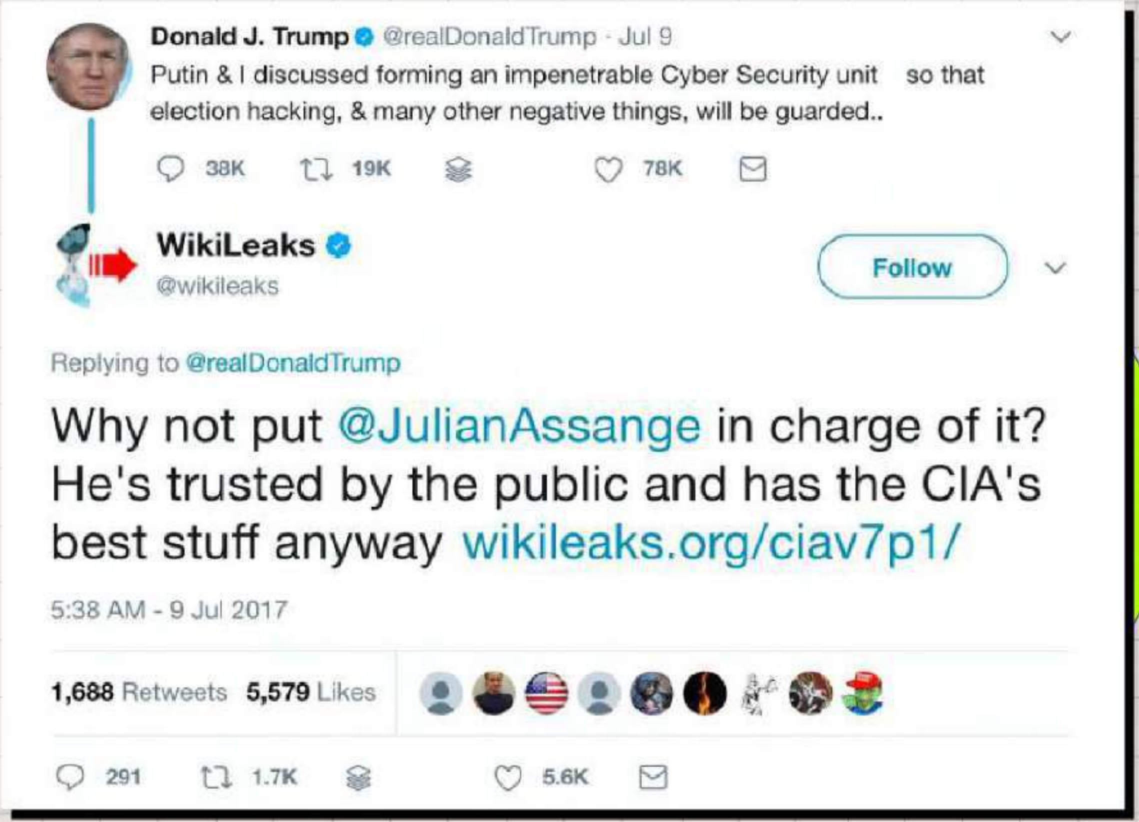

Donald J. Trump @realDonaldTrump · Jul 9

Putin & I discussed forming an impenetrable Cyber Security unit so that election hacking, & many other negative things, will be guarded..

WikiLeaks
@wikileaks

Replying to @realDonaldTrump

Why not put @JulianAssange in charge of it? He's trusted by the public and has the CIA's best stuff anyway wikileaks.org/ciav7p1/

5:38 AM - 9 Jul 2017

1,688 Retweets 5,579 Likes

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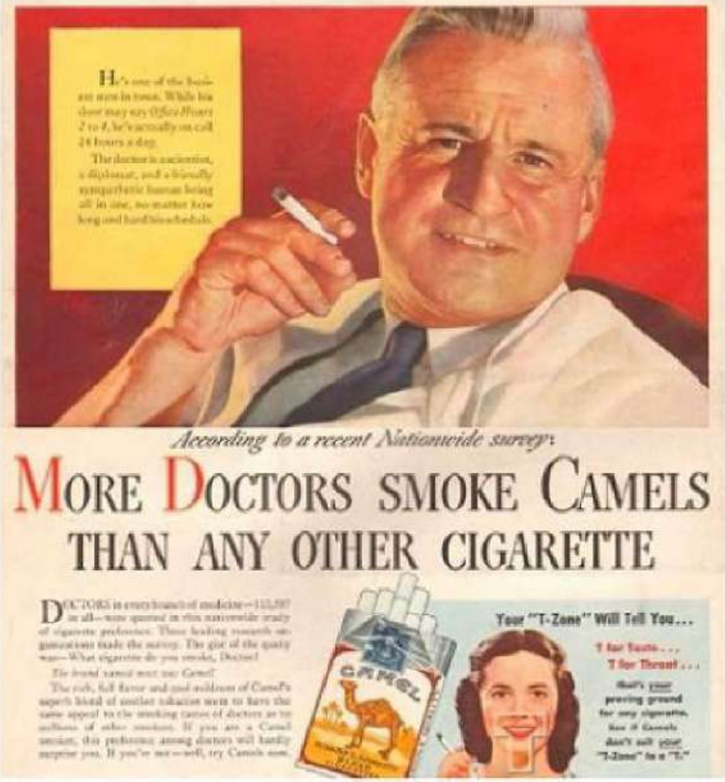


He's one of the busiest men in town. While his door may say *Office Hours 2 to 4*, he's actually on call 24 hours a day.

The doctor is a scientist, a diplomat, and a friendly sympathetic human being all in one, no matter how long and hard his schedule.

According to a recent Nationwide survey:

MORE DOCTORS SMOKE CAMELS THAN ANY OTHER CIGARETTE

DOCTORS in every branch of medicine—113,597 in all—were queried in this nationwide study of cigarette preference. Three leading research organizations made the survey. The gist of the query was—What cigarette do you smoke, Doctor?

The brand named most was Camel!

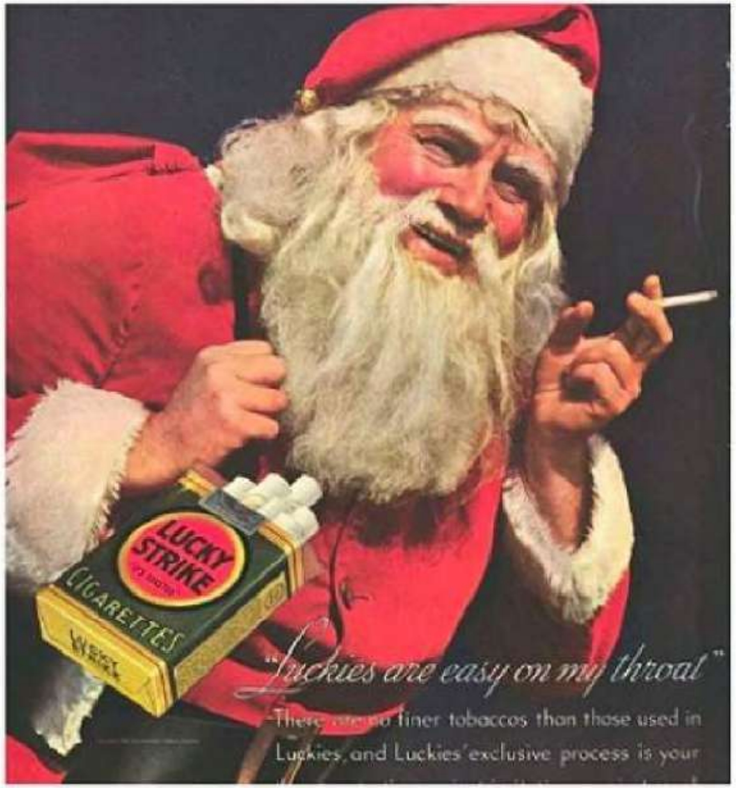
The rich, full flavor and cool mildness of Camel's superb blend of costlier tobaccos seem to have the same appeal to the smoking tastes of doctors as to millions of other smokers. If you are a Camel smoker, this preference among doctors will hardly surprise you. If you're not—well, try Camels now.

Your "T-Zone" Will Tell You...

T for Taste...

T for Throat...

that's your proving ground for any cigarette. See if Camels don't suit your "T-Zone" to a "T."



"Luckies are easy on my throat"

There are no finer tobaccos than those used in Luckies, and Luckies' exclusive process is your

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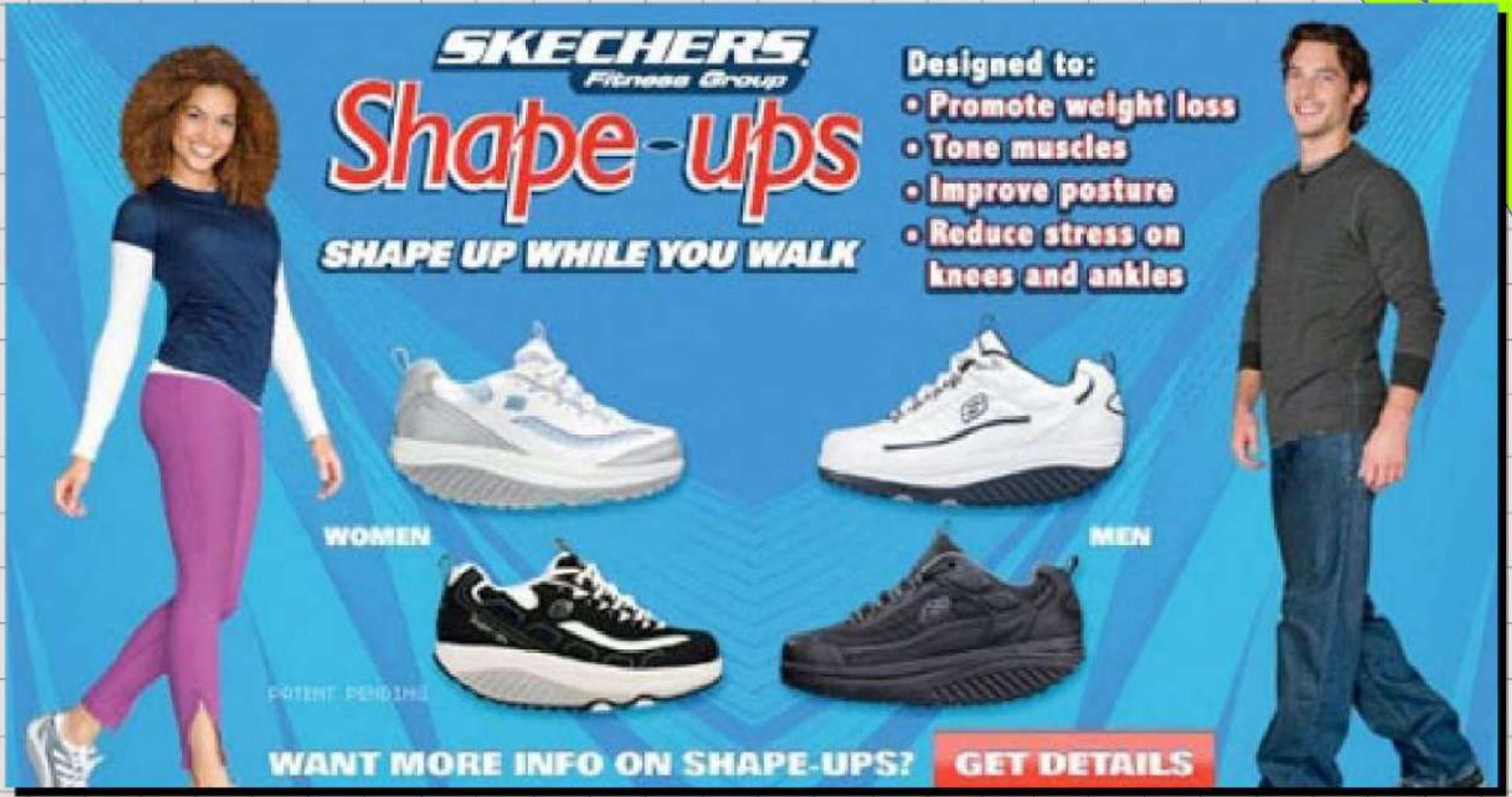

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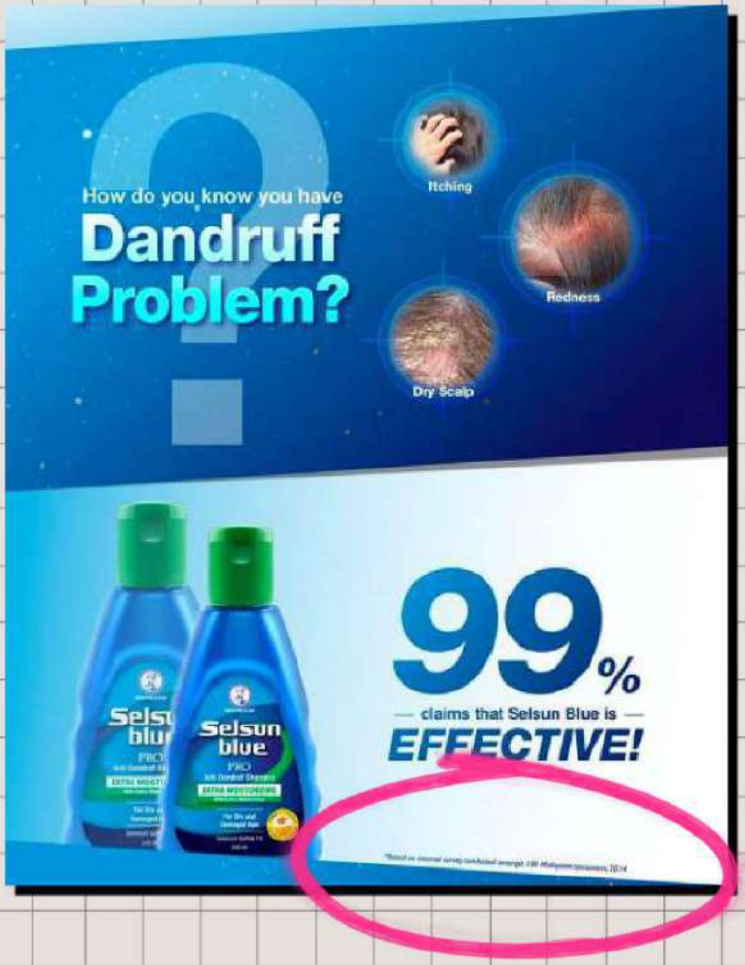
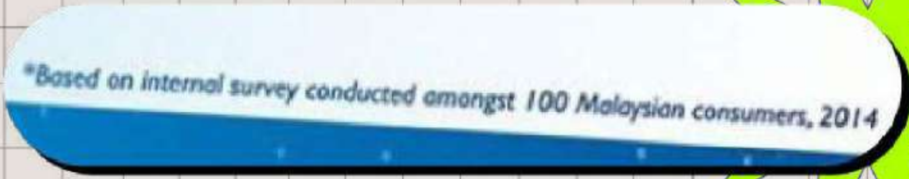

How do you know you have
Dandruff Problem?
Itching
Redness
Dry Scalp
Selsun blue PRO
99%
— claims that Selsun Blue is —
EFFECTIVE!
*Based on internal survey conducted amongst 100 Malaysian consumers, 2014


*Based on internal survey conducted amongst 100 Malaysian consumers, 2014

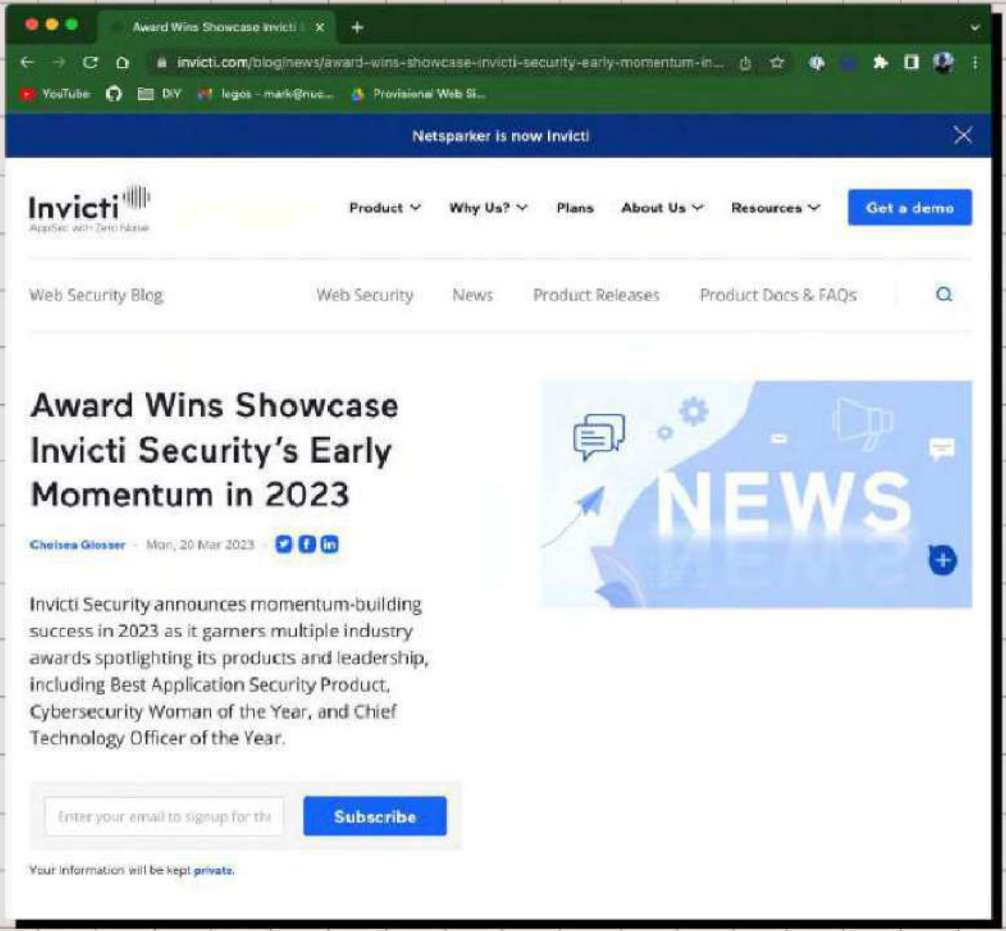
"100% of security marketing droids reported they smelled fresher using bullshit shampoo"

* 100% of 0 real people took part in this survey

Security Bullshit Daily

The multi-million pound, fake security awards industry

IMMORAL



Award Wins Showcase Invicti
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legos - mark@nuc...
Provisional Web Si...

Netsparker is now Invicti

Award Wins Showcase Invicti Security's Early Momentum in 2023

Chelsea Glosser · Mon, 20 Mar 2023

Invicti Security announces momentum-building success in 2023 as it garners multiple industry awards spotlighting its products and leadership, including Best Application Security Product, Cybersecurity Woman of the Year, and Chief Technology Officer of the Year.

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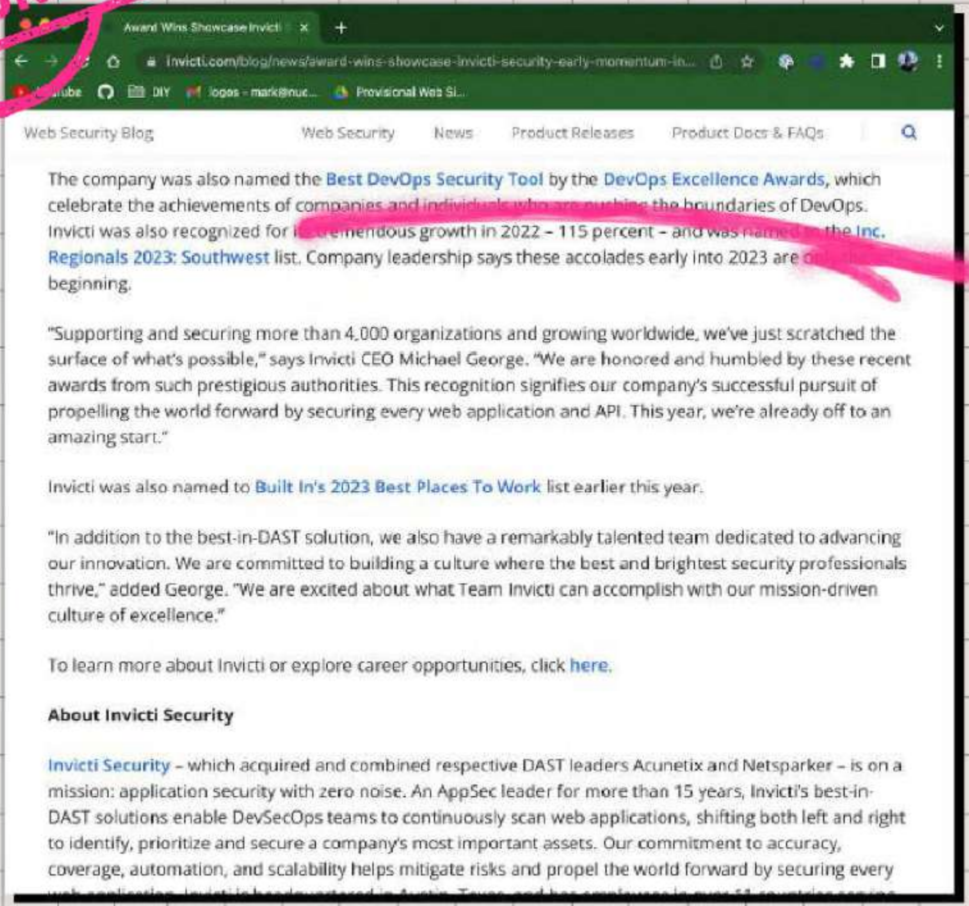

The company was also named the Best DevOps Security Tool by the DevOps Excellence Awards, which celebrate the achievements of companies and individuals who are pushing the boundaries of DevOps. Invicti was also recognized for its tremendous growth in 2022 – 115 percent – and was named to the Inc. Regionals 2023: Southwest list. Company leadership says these accolades early into 2023 are only the beginning.

"Supporting and securing more than 4,000 organizations and growing worldwide, we've just scratched the surface of what's possible," says Invicti CEO Michael George. "We are honored and humbled by these recent awards from such prestigious authorities. This recognition signifies our company's successful pursuit of propelling the world forward by securing every web application and API. This year, we're already off to an amazing start."

Invicti was also named to Built In's 2023 Best Places To Work list earlier this year.

"In addition to the best-in-DAST solution, we also have a remarkably talented team dedicated to advancing our innovation. We are committed to building a culture where the best and brightest security professionals thrive," added George. "We are excited about what Team Invicti can accomplish with our mission-driven culture of excellence."

To learn more about Invicti or explore career opportunities, click here.

About Invicti Security

Invicti Security – which acquired and combined respective DAST leaders Acunetix and Netsparker – is on a mission: application security with zero noise. An AppSec leader for more than 15 years, Invicti's best-in-DAST solutions enable DevSecOps teams to continuously scan web applications, shifting both left and right to identify, prioritize and secure a company's most important assets. Our commitment to accuracy, coverage, automation, and scalability helps mitigate risks and propel the world forward by securing every

The Best DecOps Security tool by the DevOps Excellence Awards

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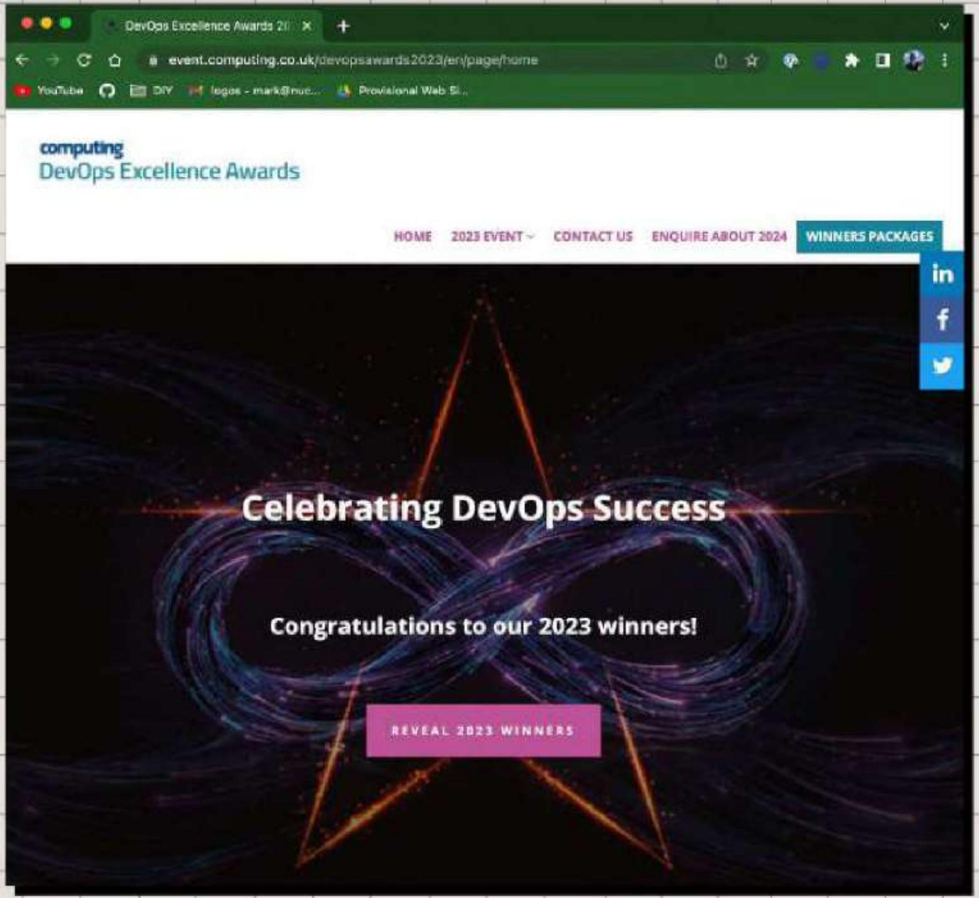

Celebrating DevOps Success

Congratulations to our 2023 winners!

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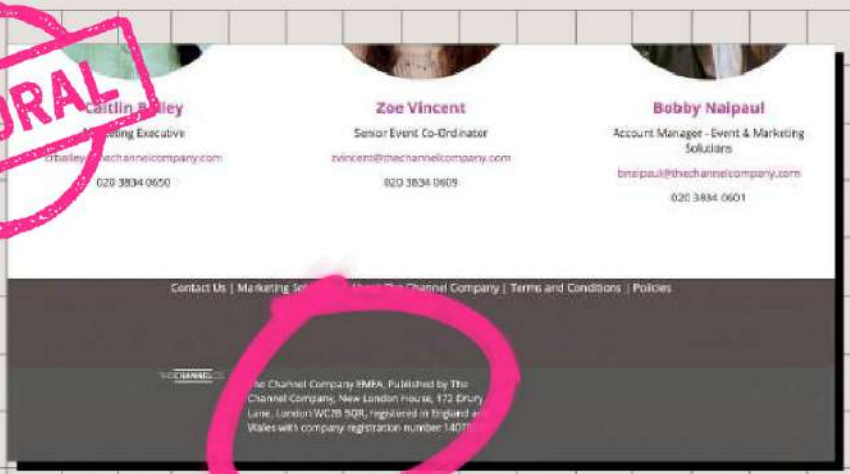

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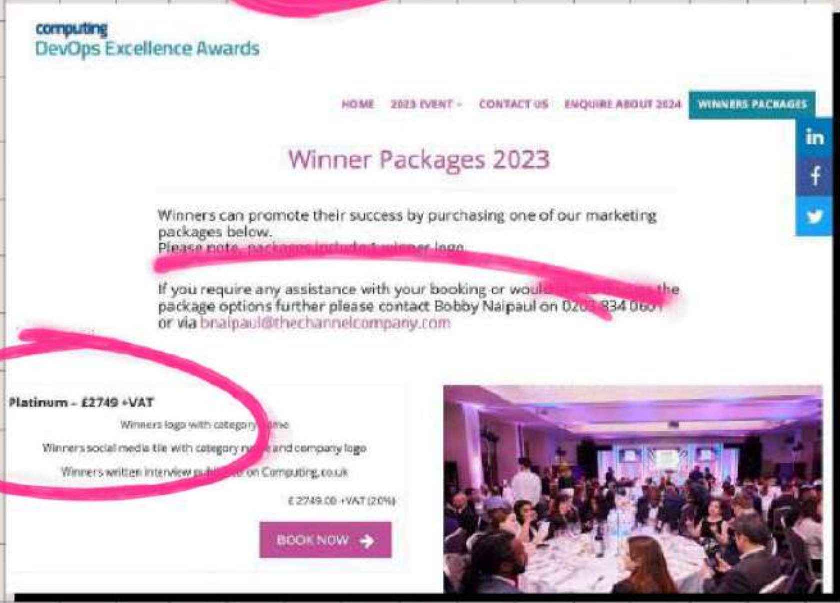

computing
DevOps Excellence Awards

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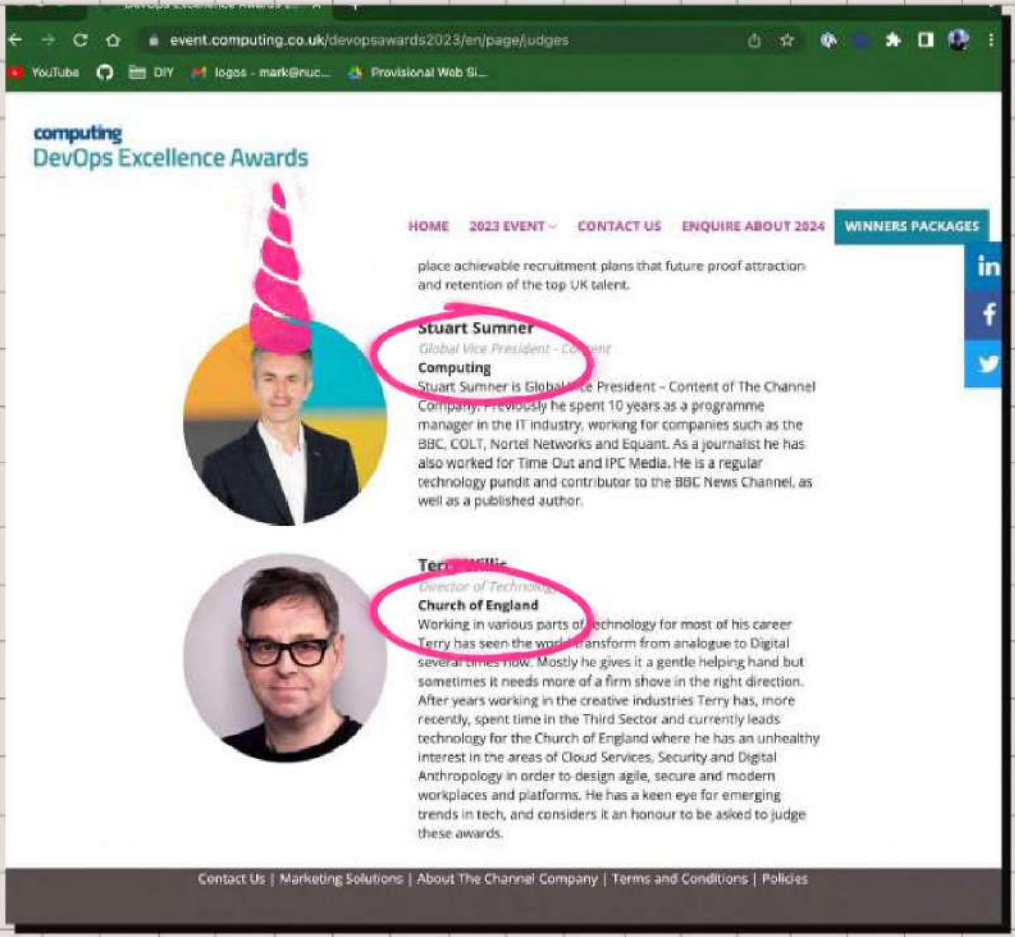

place achievable recruitment plans that future proof attraction and retention of the top UK talent.

Stuart Sumner

Global Vice President - Content

Computing

Stuart Sumner is Global Vice President – Content of The Channel Company. Previously he spent 10 years as a programme manager in the IT industry, working for companies such as the BBC, COLT, Nortel Networks and Equant. As a journalist he has also worked for Time Out and IPC Media. He is a regular technology pundit and contributor to the BBC News Channel, as well as a published author.

Terry Willis

Director of Technology

Church of England

Working in various parts of technology for most of his career Terry has seen the world transform from analogue to Digital several times now. Mostly he gives it a gentle helping hand but sometimes it needs more of a firm shove in the right direction. After years working in the creative industries Terry has, more recently, spent time in the Third Sector and currently leads technology for the Church of England where he has an unhealthy interest in the areas of Cloud Services, Security and Digital Anthropology in order to design agile, secure and modern workplaces and platforms. He has a keen eye for emerging trends in tech, and considers it an honour to be asked to judge these awards.

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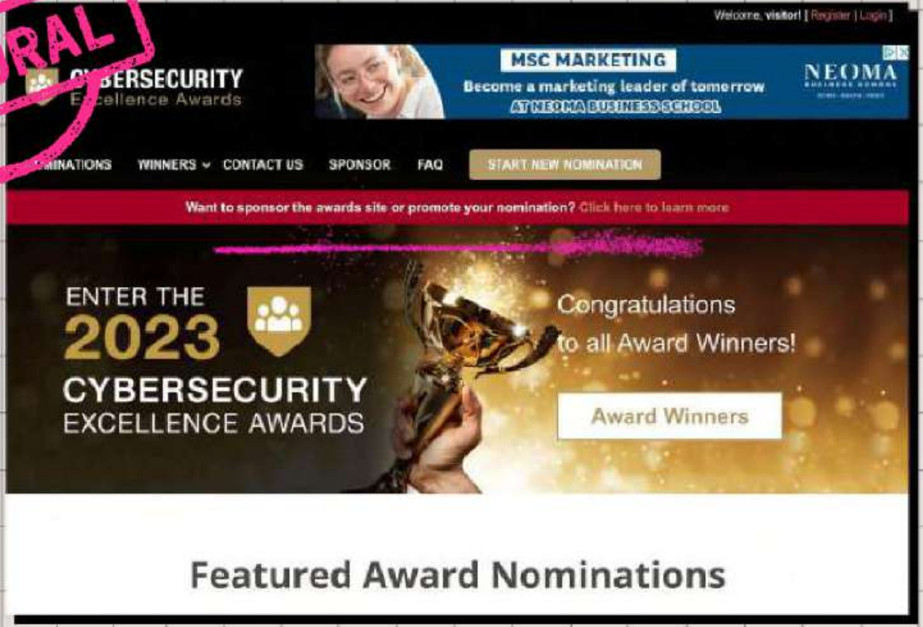

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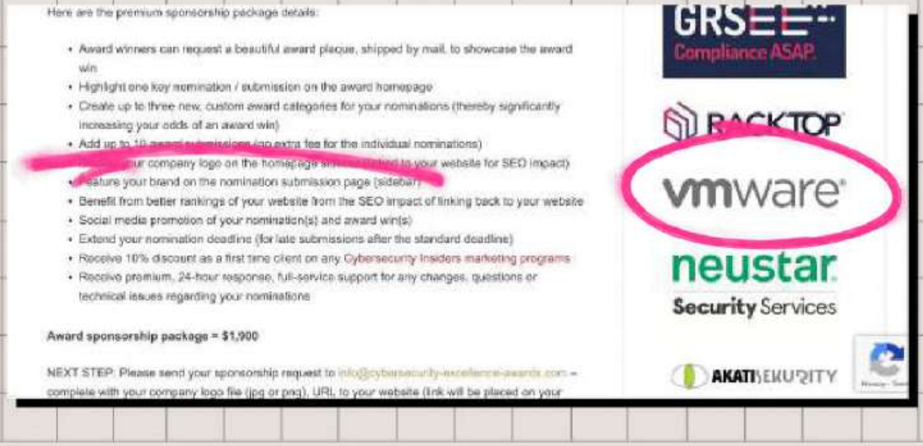
ENTER THE 2023 CYBERSECURITY EXCELLENCE AWARDS

Congratulations to all Award Winners!

Featured Award Nominations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- Award winners can request a beautiful award plaque, shipped by mail, to showcase the award win
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- Feature your company logo on the homepage and linked to your website for SEO impact)
- Feature your brand on the nomination submission page (sidebar)
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- Social media promotion of your nomination(s) and award win(s)
- Extend your nomination deadline (for late submissions after the standard deadline)
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- Receive premium, 24-hour response, full-service support for any changes, questions or technical issues regarding your nominations

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“Create up to three new, custom award categories for your nominations

“Want to sponsor the awards site or promote your nomination?

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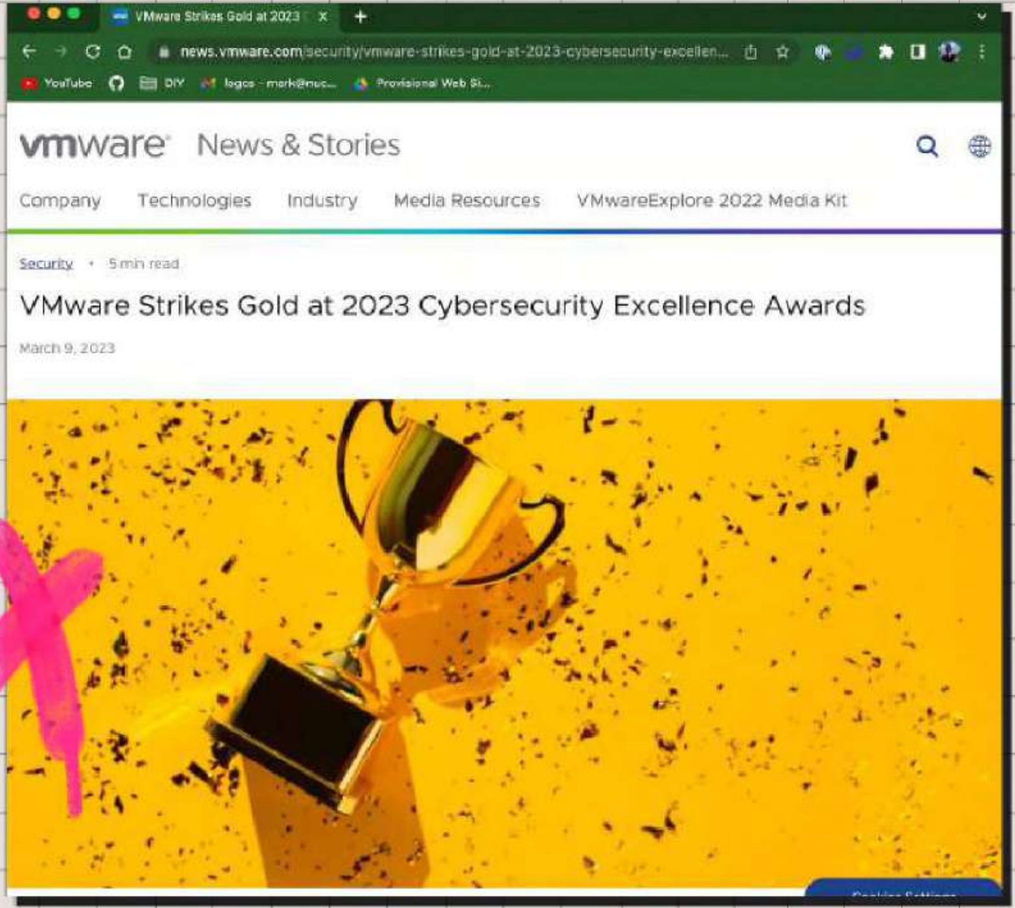
100x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VMware Strikes Gold at 2023 Cybersecurity Excellence Awards

March 9, 2023

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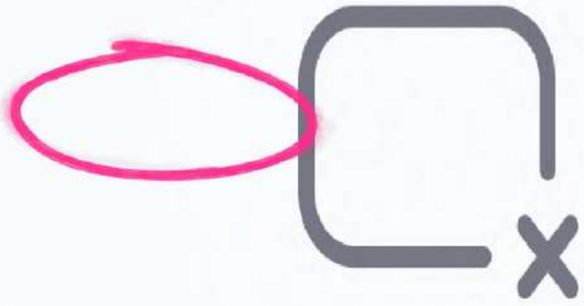

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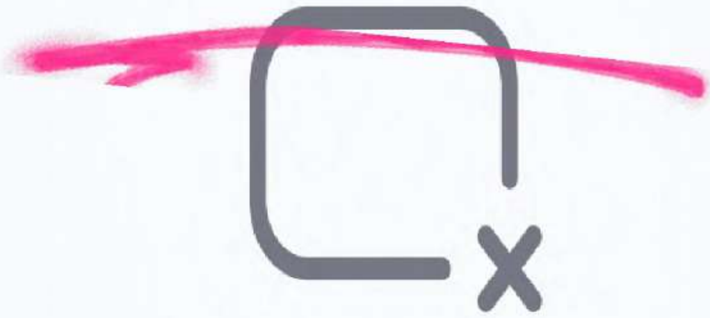

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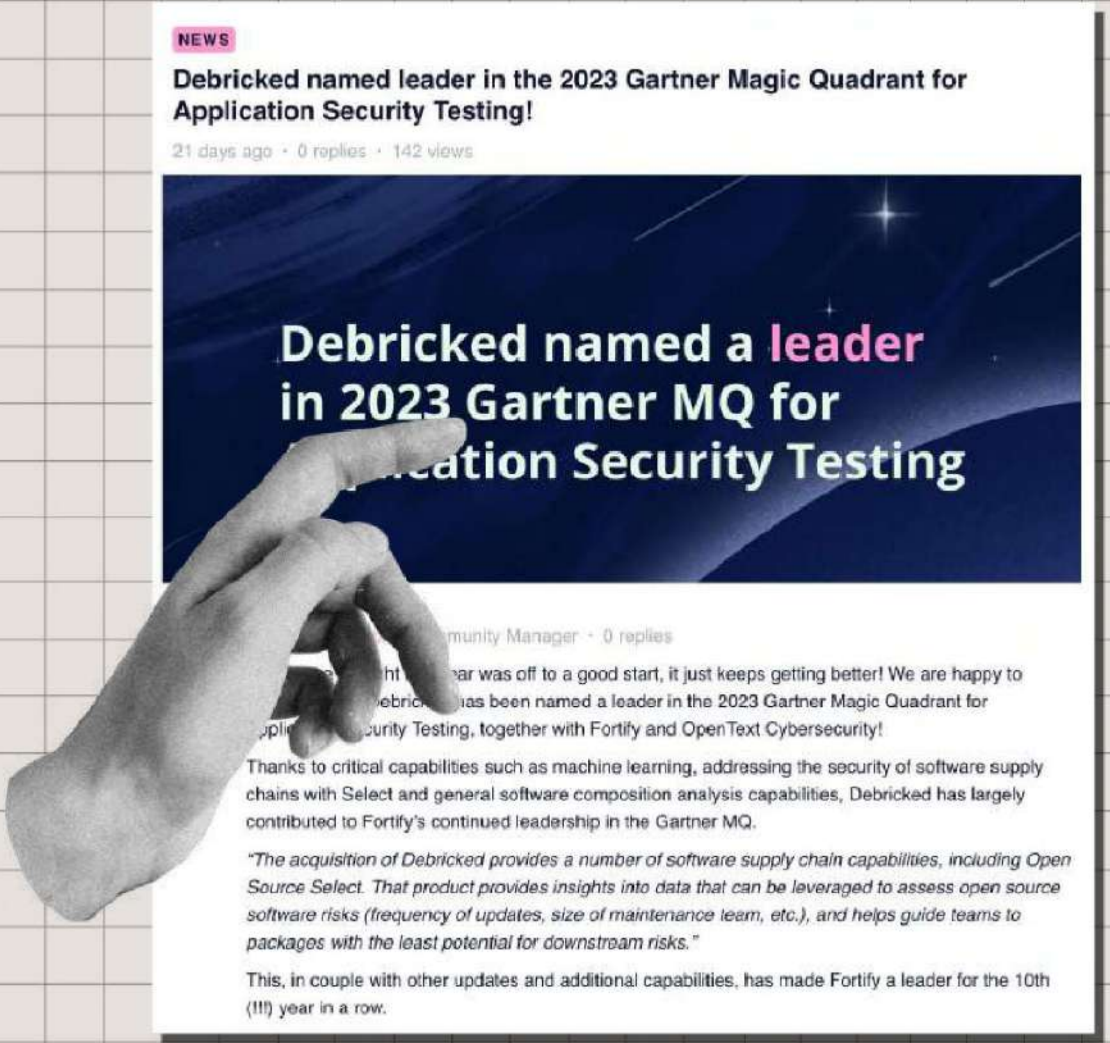

NEWS

Debricked named leader in the 2023 Gartner Magic Quadrant for Application Security Testing!

21 days ago · 0 replies · 142 views

munity Manager · 0 replies

ht ar was off to a good start, it just keeps getting better! We are happy to ebric has been named a leader in the 2023 Gartner Magic Quadrant for ppli curity Testing, together with Fortify and OpenText Cybersecurity!

Thanks to critical capabilities such as machine learning, addressing the security of software supply chains with Select and general software composition analysis capabilities, Debricked has largely contributed to Fortify's continued leadership in the Gartner MQ.

"The acquisition of Debricked provides a number of software supply chain capabilities, including Open Source Select. That product provides insights into data that can be leveraged to assess open source software risks (frequency of updates, size of maintenance team, etc.), and helps guide teams to packages with the least potential for downstream risks."

This, in couple with other updates and additional capabilities, has made Fortify a leader for the 10th (!!!) year in a row.

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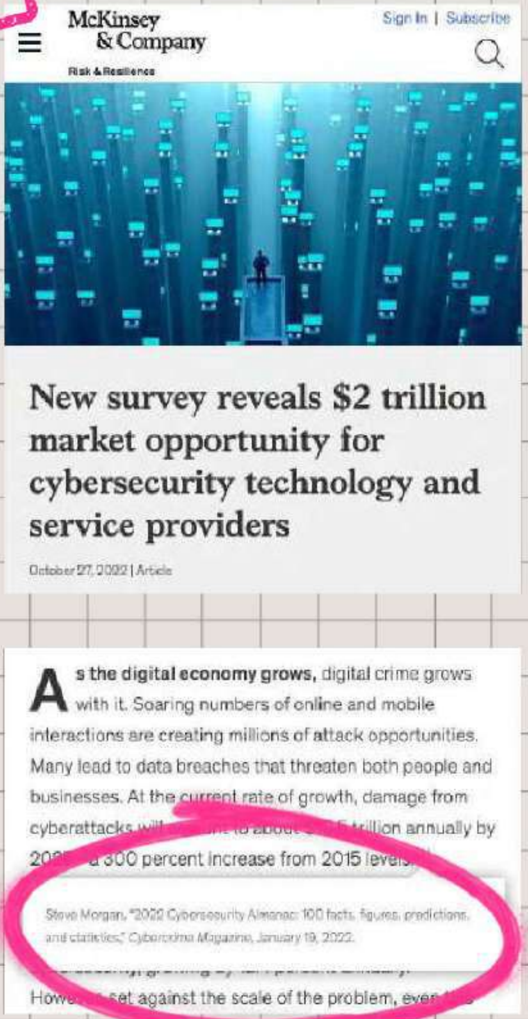

New survey reveals $2 trillion market opportunity for cybersecurity technology and service providers

October 27, 2022 | Article

As the digital economy grows, digital crime grows with it. Soaring numbers of online and mobile interactions are creating millions of attack opportunities. Many lead to data breaches that threaten both people and businesses. At the current rate of growth, damage from cyberattacks [illegible] trillion annually by 20[illegible] a 300 percent increase from 2015 levels.

Steve Morgan, "2022 Cybersecurity Almanac: 100 facts, figures, predictions, and statistics," Cybercrime Magazine, January 19, 2022.

[illegible]

How[illegible] set against the scale of the problem, even [illegible]

Steve Morgan,
"2022 Cybersecurity Almanac: 100 facts, figures, predictions and statistics."
Cybercrime Magazine, January 19,2022

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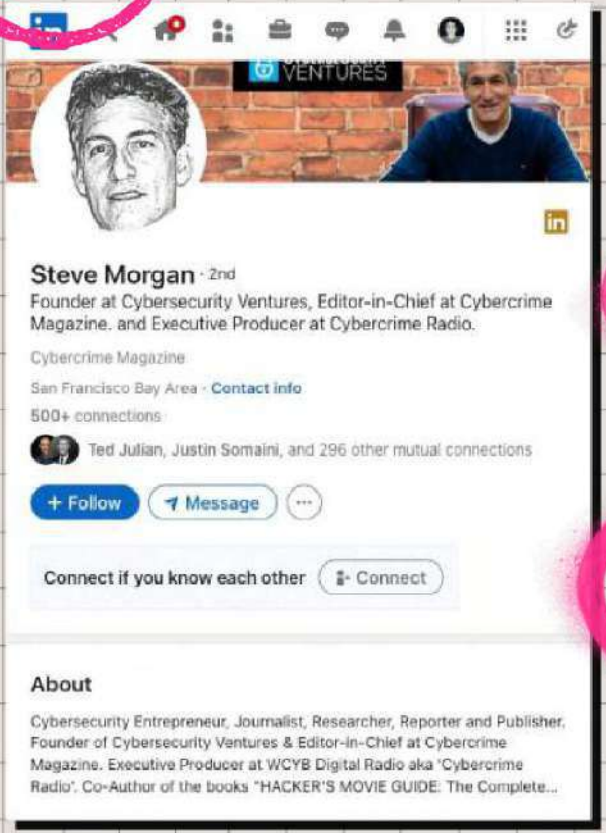

Steve Morgan · 2nd

Founder at Cybersecurity Ventures, Editor-in-Chief at Cybercrime Magazine. and Executive Producer at Cybercrime Radio.

Cybercrime Magazine

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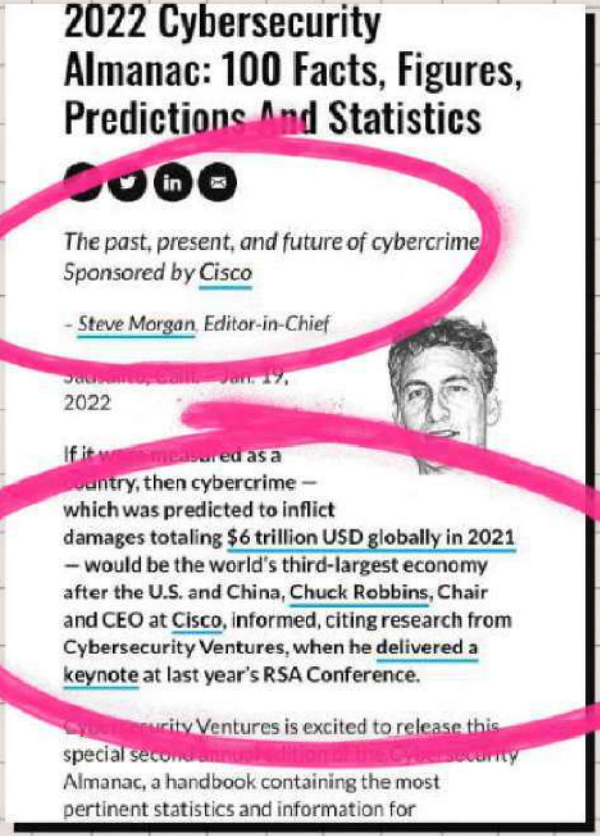
About

Cybersecurity Entrepreneur, Journalist, Researcher, Reporter and Publisher. Founder of Cybersecurity Ventures & Editor-in-Chief at Cybercrime Magazine. Executive Producer at WCYB Digital Radio aka 'Cybercrime Radio'. Co-Author of the books "HACKER'S MOVIE GUIDE: The Complete...



2022 Cybersecurity Almanac: 100 Facts, Figures, Predictions And Statistics

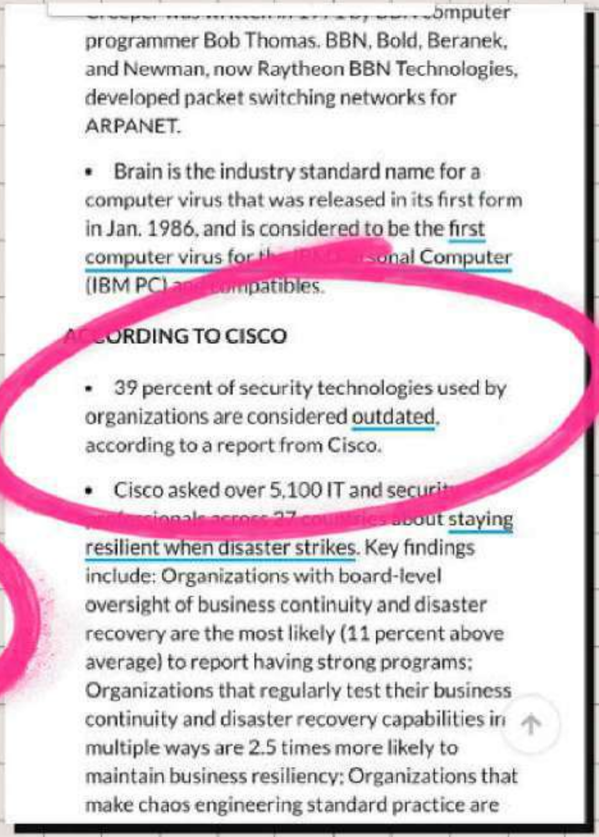
The past, present, and future of cybercrime
Sponsored by Cisco

– Steve Morgan, Editor-in-Chief

Sausalito, Calif. – Jan. 19, 2022

If it were measured as a country, then cybercrime — which was predicted to inflict damages totaling $6 trillion USD globally in 2021 — would be the world's third-largest economy after the U.S. and China, Chuck Robbins, Chair and CEO at Cisco, informed, citing research from Cybersecurity Ventures, when he delivered a keynote at last year's RSA Conference.

Cybersecurity Ventures is excited to release this special second annual edition of the Cybersecurity Almanac, a handbook containing the most pertinent statistics and information for



Creeper was written in 1971 by BBN computer programmer Bob Thomas. BBN, Bold, Beranek, and Newman, now Raytheon BBN Technologies, developed packet switching networks for ARPANET.

- Brain is the industry standard name for a computer virus that was released in its first form in Jan. 1986, and is considered to be the first computer virus for the IBM Personal Computer (IBM PC) and compatibles.

ACCORDING TO CISCO

- 39 percent of security technologies used by organizations are considered outdated, according to a report from Cisco.
- Cisco asked over 5,100 IT and security professionals across 27 countries about staying resilient when disaster strikes. Key findings include: Organizations with board-level oversight of business continuity and disaster recovery are the most likely (11 percent above average) to report having strong programs; Organizations that regularly test their business continuity and disaster recovery capabilities in multiple ways are 2.5 times more likely to maintain business resiliency; Organizations that make chaos engineering standard practice are

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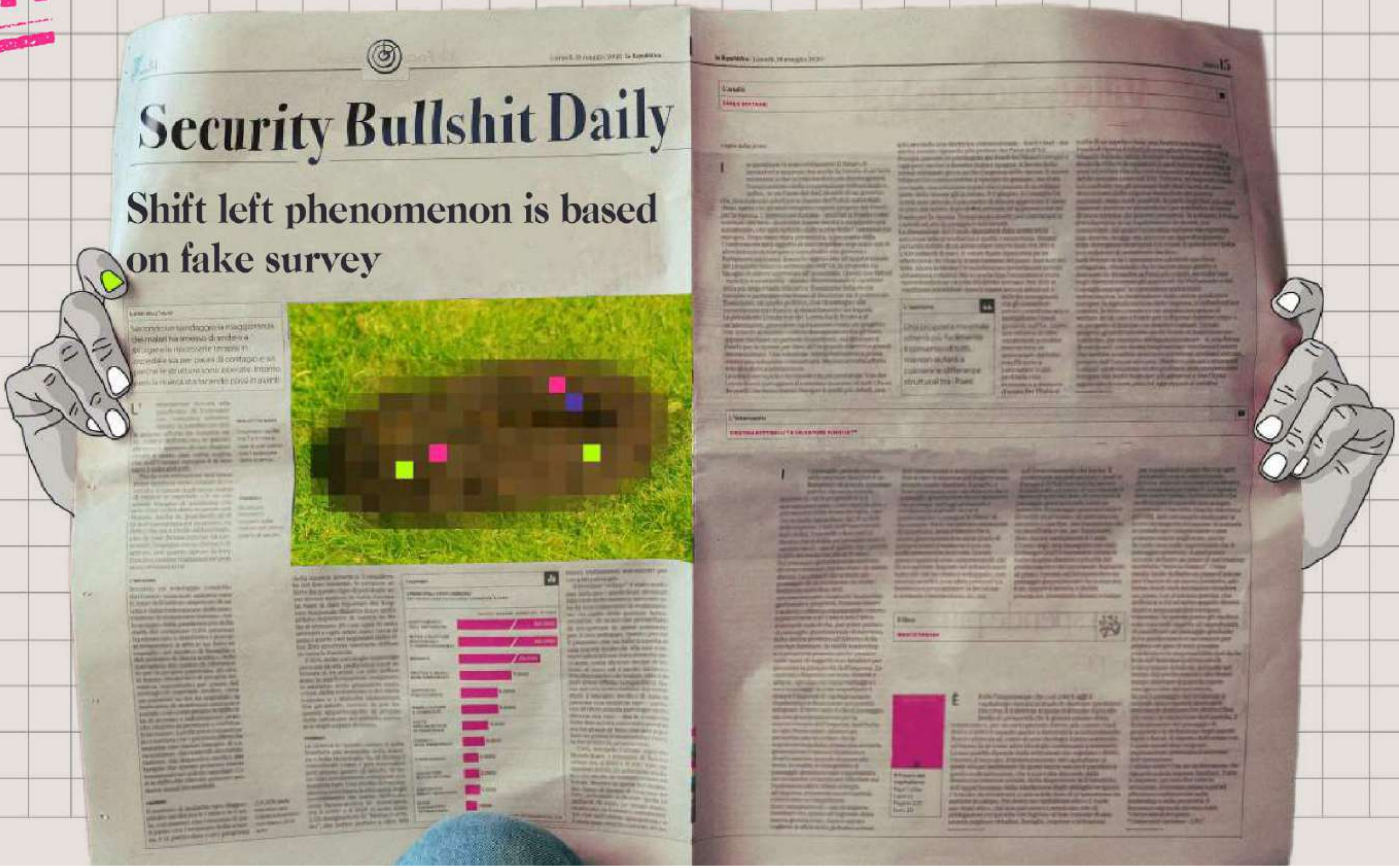
CAUTION

Name, shame and vocalise. Please stop buying products from companies that participate in this bullshit

Lobby for the practice of these type of awards to be regulated like the advertising standards authority

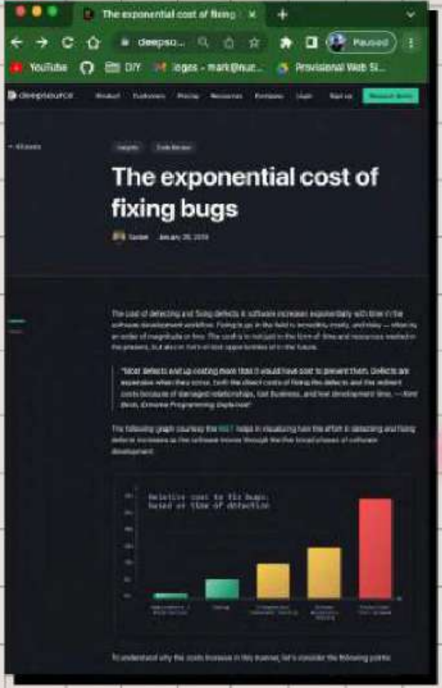
MYTH



Security Bullshit Daily

Shift left phenomenon is based on fake survey

MYTH


The exponential cost of fixing
deepso...
Paused
YouTube
DIY
logas - mark@nuc...
Provisional Web Si...
deepsource
Relative cost to fix bugs, based on time of detection

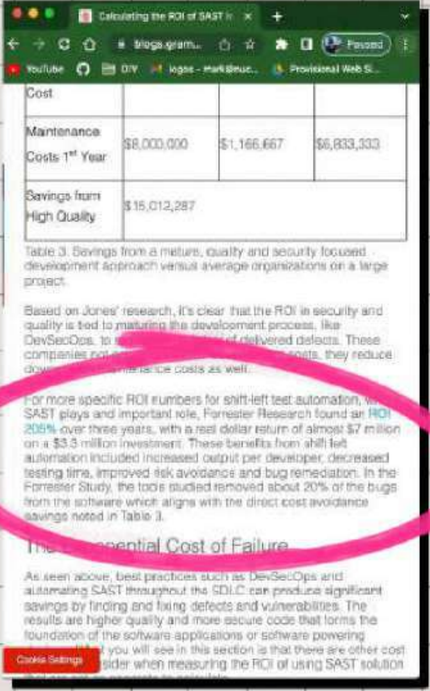
The exponential cost of fixing bugs

The cost of detecting and fixing defects in software increases exponentially with time in the software development workflow. Fixing bugs in the field is incredibly costly, and risky — often by an order of magnitude or two. The cost is in not just in the form of time and resources wasted in the present, but also in form of lost opportunities of in the future.

> "Most defects end up costing more than it would have cost to prevent them. Defects are expensive when they occur, both the direct costs of fixing the defects and the indirect costs because of damaged relationships, lost business, and lost development time. — Kent Beck, Extreme Programming Explained"

The following graph courtesy the NIST helps in visualizing how the effort in detecting and fixing defects increases as the software moves through the five broad phases of software development.

To understand why the costs increase in this manner, let's consider the following points:



Cost			
Maintenance Costs 1st Year	$8,000,000	$1,166,667	$6,833,333
Savings from High Quality	$15,012,287		

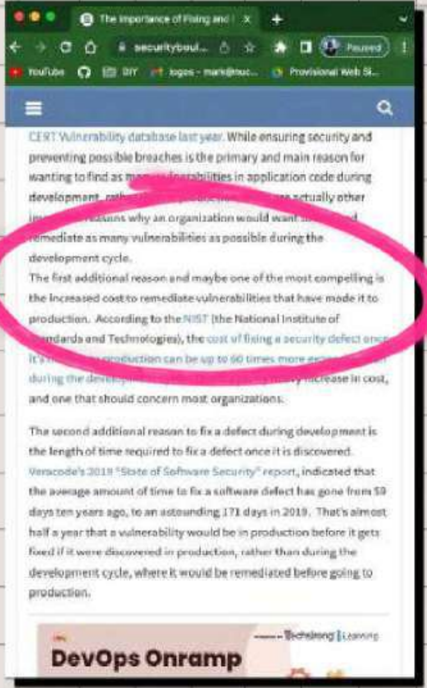
Table 3. Savings from a mature, quality and security focused development approach versus average organizations on a large project.

Based on Jones' research, it's clear that the ROI in security and quality is tied to maturing the development process, like DevSecOps, to [illegible] of delivered defects. These companies not [illegible] costs, they reduce dow[illegible]ntenance costs as well.

For more specific ROI numbers for shift-left test automation, w[illegible] SAST plays and important role, Forrester Research found an ROI 205% over three years, with a real dollar return of almost $7 million on a $3.3 million investment. These benefits from shift left automation included increased output per developer, decreased testing time, improved risk avoidance and bug remediation. In the Forrester Study, the tools studied removed about 20% of the bugs from the software which aligns with the direct cost avoidance savings noted in Table 3.

The [illegible]ential Cost of Failure

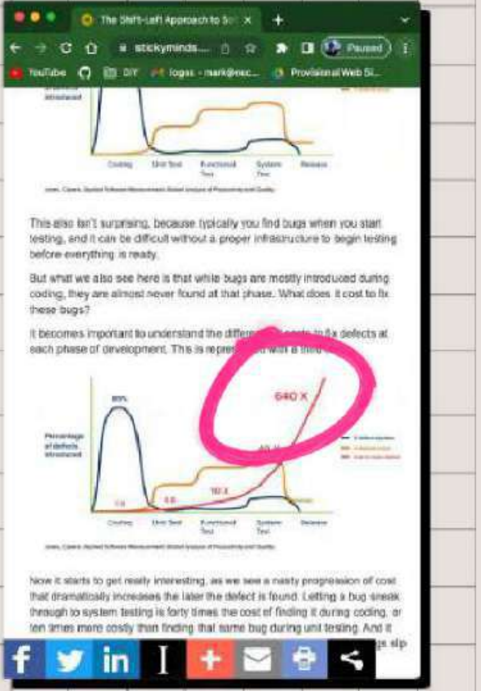
As seen above, best practices such as DevSecOps and automating SAST throughout the SDLC can produce significant savings by finding and fixing defects and vulnerabilities. The results are higher quality and more secure code that forms the foundation of the software applications or software powering [illegible] you will see in this section is that there are other cost [illegible]sider when measuring the ROI of using SAST solution



CERT Vulnerability database last year. While ensuring security and preventing possible breaches is the primary and main reason for wanting to find as m[illegible] vulnerabilities in application code during development, rathe[illegible] actually other im[illegible] reasons why an organization would want [illegible] remediate as many vulnerabilities as possible during the development cycle.

The first additional reason and maybe one of the most compelling is the increased cost to remediate vulnerabilities that have made it to production. According to the NIST (the National Institute of [illegible]ndards and Technologies), the cost of fixing a security defect once it's [illegible] production can be up to 60 times more e[illegible] during the develo[illegible] increase in cost, and one that should concern most organizations.

The second additional reason to fix a defect during development is the length of time required to fix a defect once it is discovered. Veracode's 2019 "State of Software Security" report, indicated that the average amount of time to fix a software defect has gone from 59 days ten years ago, to an astounding 171 days in 2019. That's almost half a year that a vulnerability would be in production before it gets fixed if it were discovered in production, rather than during the development cycle, where it would be remediated before going to production.



This also isn't surprising, because typically you find bugs when you start testing, and it can be difficult without a proper infrastructure to begin testing before everything is ready.

But what we also see here is that while bugs are mostly introduced during coding, they are almost never found at that phase. What does it cost to fix these bugs?

It becomes important to understand the differe[illegible] costs to fix defects at each phase of development. This is repre[illegible] with a third

Now it starts to get really interesting, as we see a nasty progression of cost that dramatically increases the later the defect is found. Letting a bug sneak through to system testing is forty times the cost of finding it during coding, or ten times more costly than finding that same bug during unit testing. And it [illegible]gs slip

MYTH

> The cost to address bugs post-release costs $16,000 to address, but a bug found at the design phase costs $25
>
> - Capers and Jones, Applied Software Measurement, 1997

References an earlier IBM Systems study

MYTH

> The original project data, if any exist, are not more recent than 1981, and probably older; and could be as old as 1967
>
> - Laurent Bossavit, Degrees of Dishonesty

MYTH

> High-quality software is not expensive. High-quality software is faster and cheaper to build and maintain than low-quality software, from initial development all the way through total cost of ownership.
>
> — *Capers Jones* —

MYTH

High-quality software is not expensive. High-quality software is faster and cheaper to build and maintain than low-quality software, from initial development all the way through total cost of ownership.

— Capers Jones —

AZ QUOTES

MYTH

CAUTION

Build your security program using facts and not myths

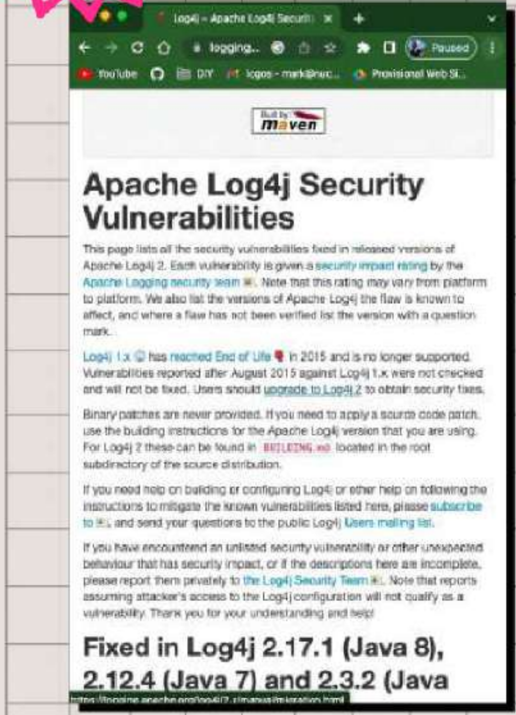
Think about the era of DevOps & the best appsec is the collab between developers and security teams

DODGY TRUTH

Security Bullshit Daily

SBOMs are going to save the world

DODGY TRUTH



Apache Log4j Security Vulnerabilities

This page lists all the security vulnerabilities fixed in released versions of Apache Log4j 2. Each vulnerability is given a security impact rating by the Apache Logging security team. Note that this rating may vary from platform to platform. We also list the versions of Apache Log4j the flaw is known to affect, and where a flaw has not been verified list the version with a question mark.

Log4j 1.x has reached End of Life in 2015 and is no longer supported. Vulnerabilities reported after August 2015 against Log4j 1.x were not checked and will not be fixed. Users should upgrade to Log4j 2 to obtain security fixes.

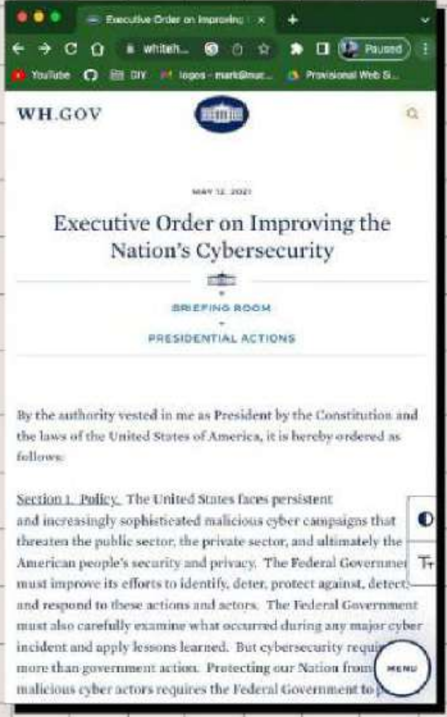
Binary patches are never provided. If you need to apply a source code patch, use the building instructions for the Apache Log4j version that you are using. For Log4j 2 these can be found in BUILDING.md located in the root subdirectory of the source distribution.

If you need help on building or configuring Log4j or other help on following the instructions to mitigate the known vulnerabilities listed here, please subscribe to, and send your questions to the public Log4j Users mailing list.

If you have encountered an unlisted security vulnerability or other unexpected behaviour that has security impact, or if the descriptions here are incomplete, please report them privately to the Log4j Security Team. Note that reports assuming attacker's access to the Log4j configuration will not qualify as a vulnerability. Thank you for your understanding and help!

Fixed in Log4j 2.17.1 (Java 8), 2.12.4 (Java 7) and 2.3.2 (Java

https://logging.apache.org/log4j/2.x/manual/migration.html

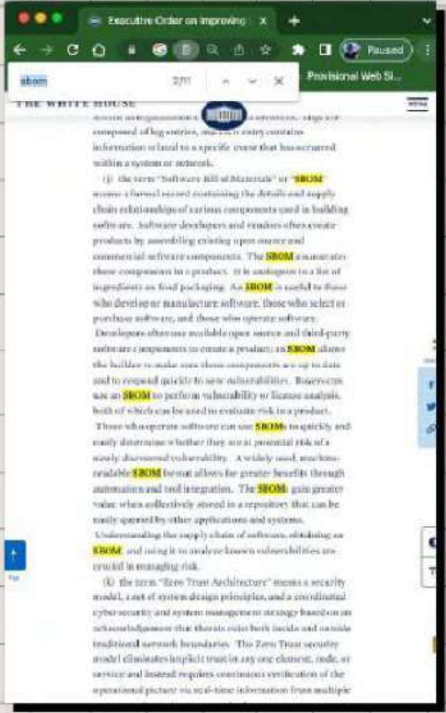


MAY 12, 2021

Executive Order on Improving the Nation's Cybersecurity

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

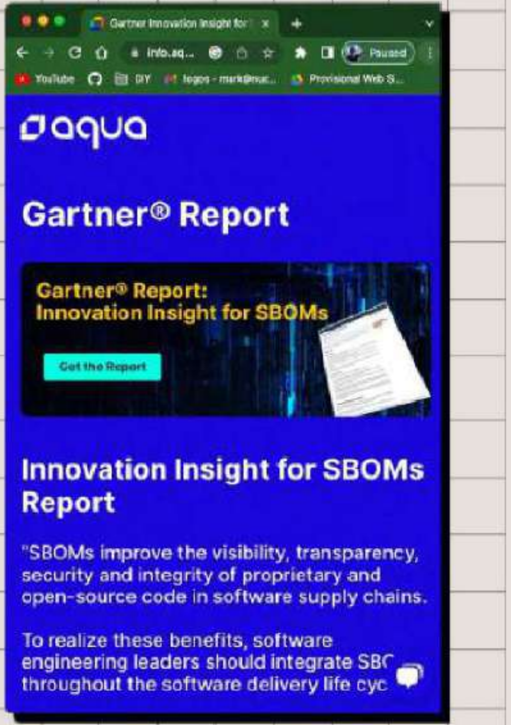
Section 1. Policy. The United States faces persistent and increasingly sophisticated malicious cyber campaigns that threaten the public sector, the private sector, and ultimately the American people's security and privacy. The Federal Governme must improve its efforts to identify, deter, protect against, detect, and respond to these actions and actors. The Federal Government must also carefully examine what occurred during any major cyber incident and apply lessons learned. But cybersecurity requi more than government action. Protecting our Nation from malicious cyber actors requires the Federal Government to



composed of log entries, and each entry contains information related to a specific event that has occurred within a system or network.

(j) the term "Software Bill of Materials" or "SBOM" means a formal record containing the details and supply chain relationships of various components used in building software. Software developers and vendors often create products by assembling existing open source and commercial software components. The SBOM enumerates these components in a product. It is analogous to a list of ingredients on food packaging. An SBOM is useful to those who develop or manufacture software, those who select or purchase software, and those who operate software. Developers often use available open source and third-party software components to create a product; an SBOM allows the builder to make sure those components are up to date and to respond quickly to new vulnerabilities. Buyers can use an SBOM to perform vulnerability or license analysis, both of which can be used to evaluate risk in a product. Those who operate software can use SBOMs to quickly and easily determine whether they are at potential risk of a newly discovered vulnerability. A widely used, machine-readable SBOM format allows for greater benefits through automation and tool integration. The SBOMs gain greater value when collectively stored in a repository that can be easily queried by other applications and systems. Understanding the supply chain of software, obtaining an SBOM, and using it to analyze known vulnerabilities are crucial in managing risk.

(k) the term "Zero Trust Architecture" means a security model, a set of system design principles, and a coordinated cybersecurity and system management strategy based on an acknowledgement that threats exist both inside and outside traditional network boundaries. The Zero Trust security model eliminates implicit trust in any one element, node, or service and instead requires continuous verification of the operational picture via real-time information from multiple



Gartner® Report

Innovation Insight for SBOMs Report

"SBOMs improve the visibility, transparency, security and integrity of proprietary and open-source code in software supply chains.

To realize these benefits, software engineering leaders should integrate SBC throughout the software delivery life cyc

MYTH

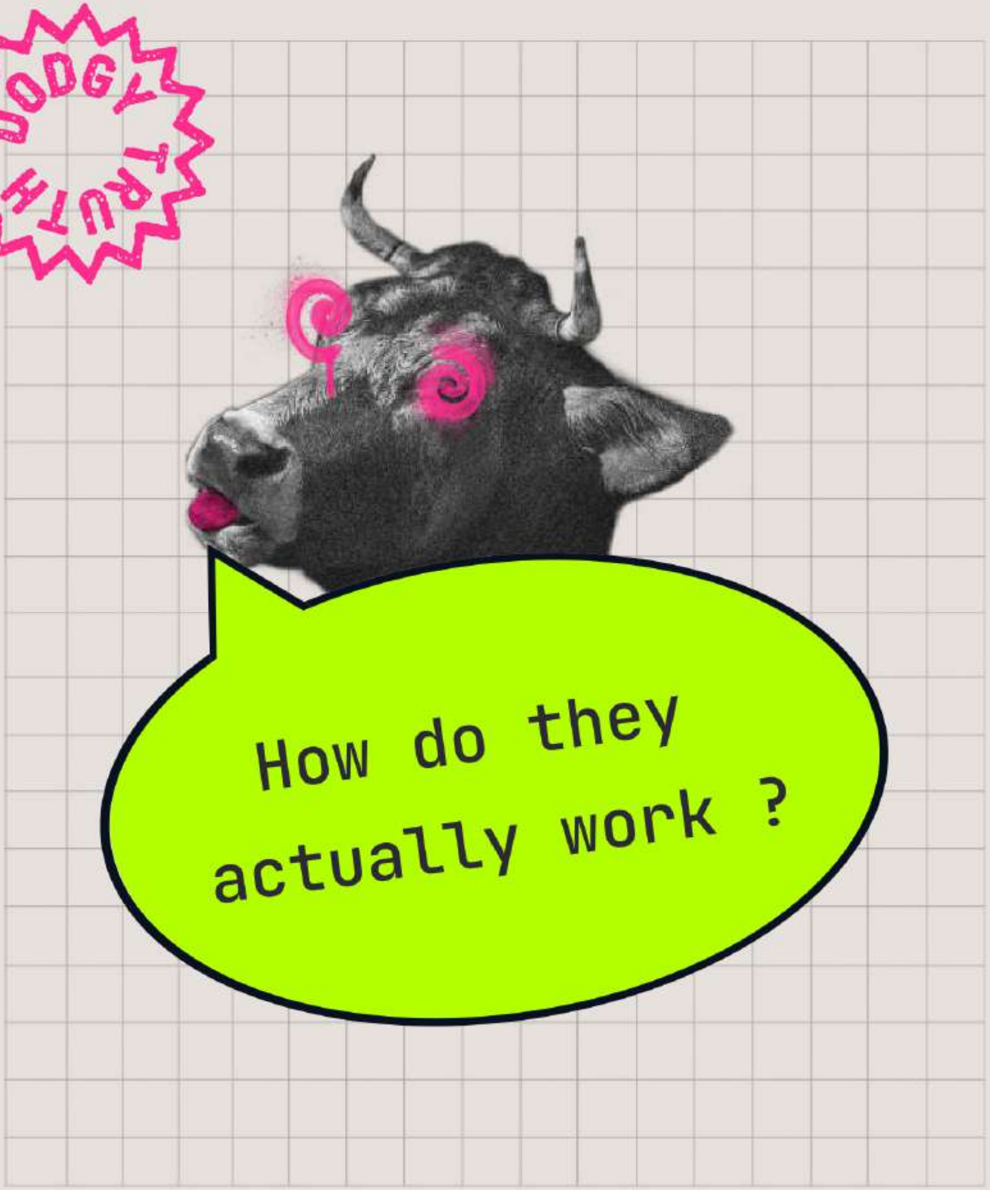
CAUTION

FOR TRANSPARENCY AND SO I AM NOT A HYPOCRITE, I WROTE THE OPEN SOURCE SECURITY FOUNDATION 'SBOM EVERYWHERE' SECTION OF 'THE OPEN SOURCE SECURITY MOONSHOT' THAT WE TOOK THE WHITE HOUSE

DODGY TRUTH

Magic SBOMs

DODGY TRUTH



Package managers are non deterministic *

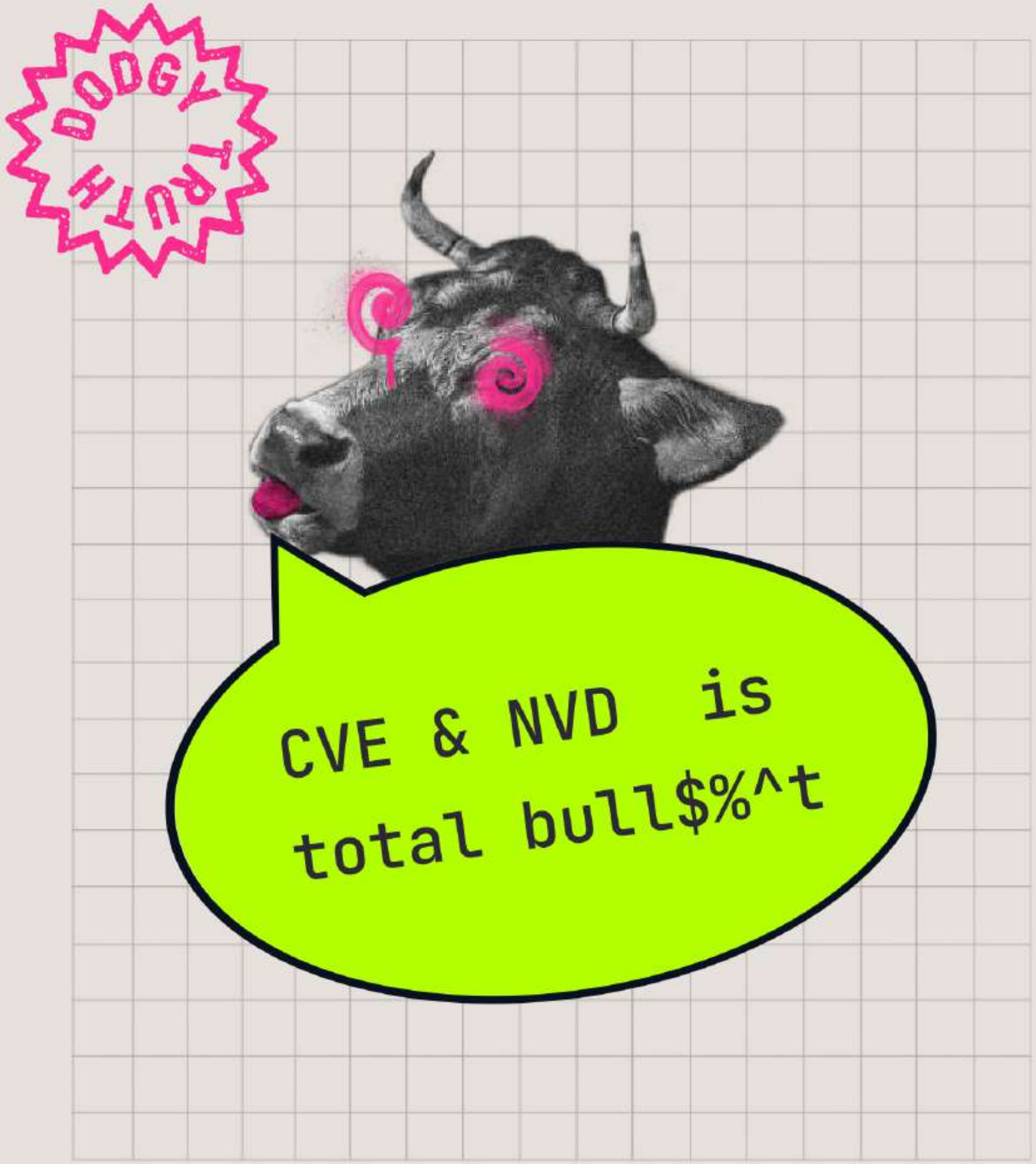
There is no build provenance *

SBOMs don't bind source code to binary code

Hot-loading, pot build hooks … sudo su

CRITICAL: Make Up Anything you want

That's a big smelly CVE



CVE & NVD data is far from complete. Far, far, far away..

The CNA is a shield for vendors

Very few developers report bugs

CVE and NVD doesn't have the data to validate or reproduce an issue and it doesn't do it!

The VAST majority of vulnerable methods in vulnerable libraries are never called

Managed by US government ?

DODGY TRUTH

CVE-2022-38392 - Certain 5400 RPM hard drives, for laptops and other PCs in approximately 2005 and later, allow physically proximate attackers to cause a denial of service (device malfunction and system crash) via a resonant-frequency attack with the audio signal from the Rhythm Nation music video.

A reported product is Seagate STDT4000100 763649053447.

DODGY TRUTH

CAUTION

We need build provenance

We need code provenance

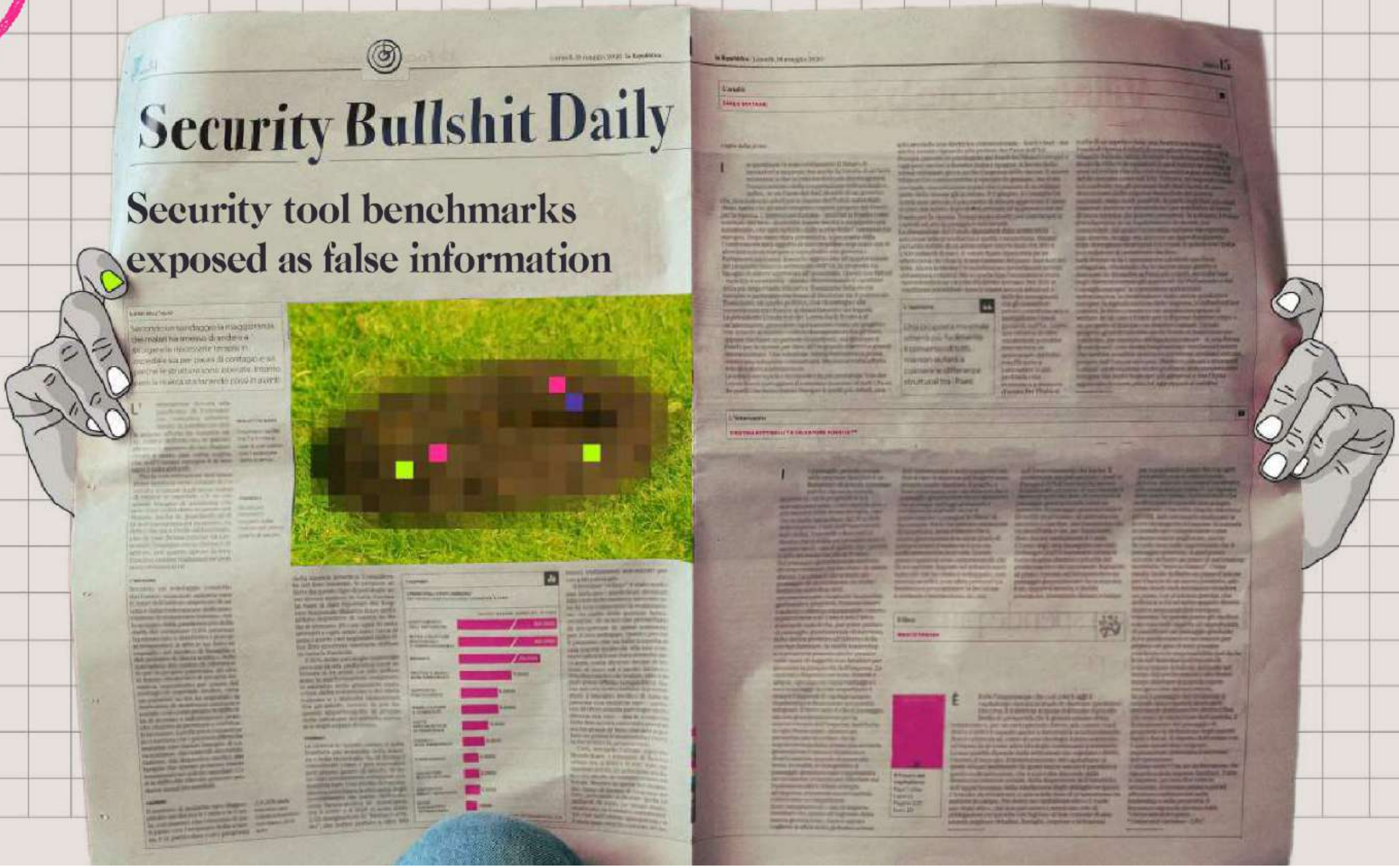
We need robust vulnerability data

UNETHICAL

CAUTION

FOR TRANSPARENCY AND SO I AM NOT A HYPOCRITE, I AM BUILDING A CODE TAGGING COMPANY USED FOR SECURITY PROVENANCE AND I AM TALKING HERE BECAUSE IT RAISES THE PROFILE OF MY COMPANY.

UNETHICAL

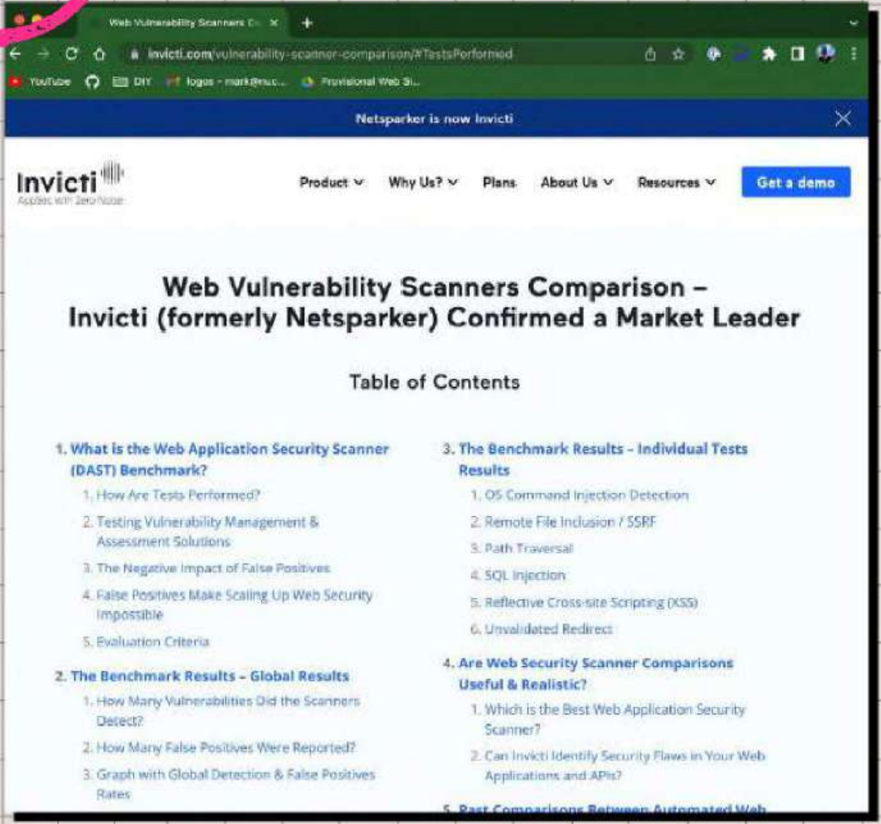


Security Bullshit Daily

Security tool benchmarks exposed as false information

LOSER
100x
Lets win at benchmarks

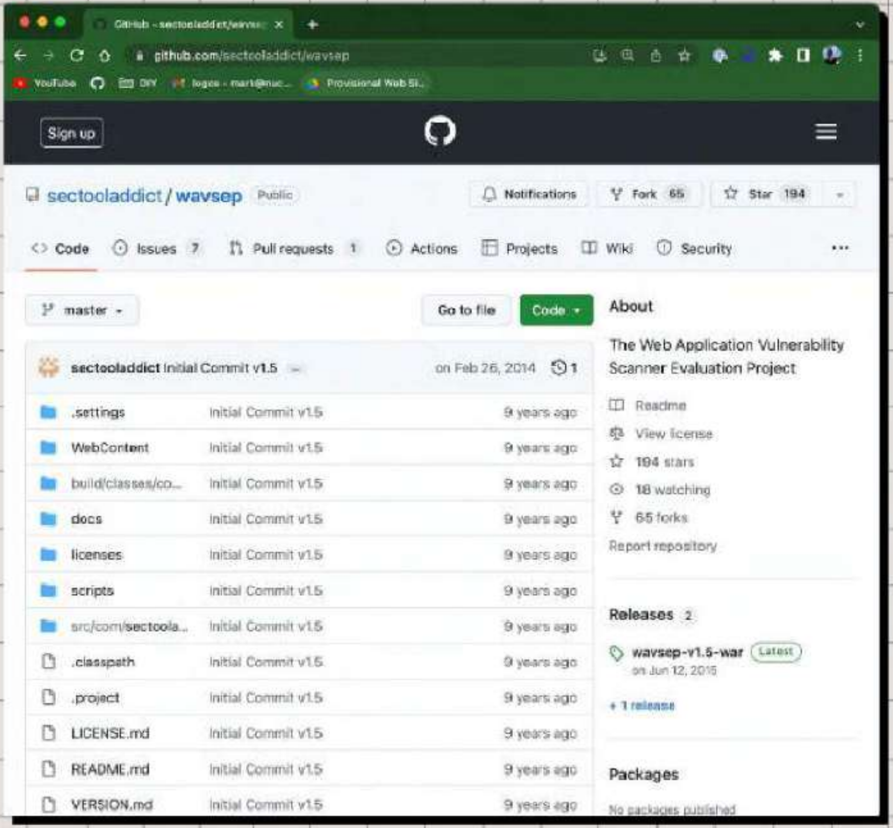
UNETHICAL



Web Vulnerability Scanners Comparison – Invicti (formerly Netsparker) Confirmed a Market Leader

Table of Contents

1. **What is the Web Application Security Scanner (DAST) Benchmark?**
   1. How Are Tests Performed?
   2. Testing Vulnerability Management & Assessment Solutions
   3. The Negative Impact of False Positives
   4. False Positives Make Scaling Up Web Security Impossible
   5. Evaluation Criteria
2. **The Benchmark Results – Global Results**
   1. How Many Vulnerabilities Did the Scanners Detect?
   2. How Many False Positives Were Reported?
   3. Graph with Global Detection & False Positives Rates
3. **The Benchmark Results – Individual Tests Results**
   1. OS Command Injection Detection
   2. Remote File Inclusion / SSRF
   3. Path Traversal
   4. SQL Injection
   5. Reflective Cross-site Scripting (XSS)
   6. Unvalidated Redirect
4. **Are Web Security Scanner Comparisons Useful & Realistic?**
   1. Which is the Best Web Application Security Scanner?
   2. Can Invicti Identify Security Flaws in Your Web Applications and APIs?
5. **Past Comparisons Between Automated Web**



sectooladdict Initial Commit v1.5 ... on Feb 26, 2014 1

.settings	Initial Commit v1.5	9 years ago
WebContent	Initial Commit v1.5	9 years ago
build/classes/co...	Initial Commit v1.5	9 years ago
docs	Initial Commit v1.5	9 years ago
licenses	Initial Commit v1.5	9 years ago
scripts	Initial Commit v1.5	9 years ago
src/com/sectoola...	Initial Commit v1.5	9 years ago
.classpath	Initial Commit v1.5	9 years ago
.project	Initial Commit v1.5	9 years ago
LICENSE.md	Initial Commit v1.5	9 years ago
README.md	Initial Commit v1.5	9 years ago
VERSION.md	Initial Commit v1.5	9 years ago

About

The Web Application Vulnerability Scanner Evaluation Project

Readme

View license

194 stars

18 watching

65 forks

Report repository

Releases 2

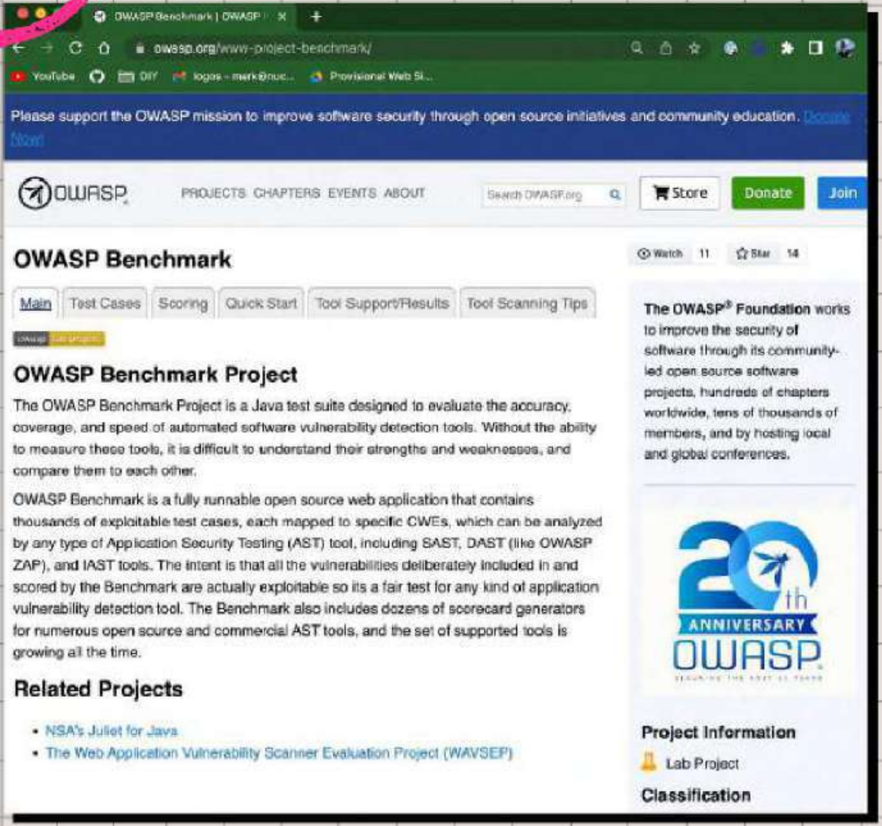
wavsep-v1.5-war Latest
on Jun 12, 2015

+ 1 release

Packages

No packages published

UNETHICAL



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OWASP Benchmark

OWASP Benchmark Project

The OWASP Benchmark Project is a Java test suite designed to evaluate the accuracy, coverage, and speed of automated software vulnerability detection tools. Without the ability to measure these tools, it is difficult to understand their strengths and weaknesses, and compare them to each other.

OWASP Benchmark is a fully runnable open source web application that contains thousands of exploitable test cases, each mapped to specific CWEs, which can be analyzed by any type of Application Security Testing (AST) tool, including SAST, DAST (like OWASP ZAP), and IAST tools. The intent is that all the vulnerabilities deliberately included in and scored by the Benchmark are actually exploitable so its a fair test for any kind of application vulnerability detection tool. The Benchmark also includes dozens of scorecard generators for numerous open source and commercial AST tools, and the set of supported tools is growing all the time.

Related Projects

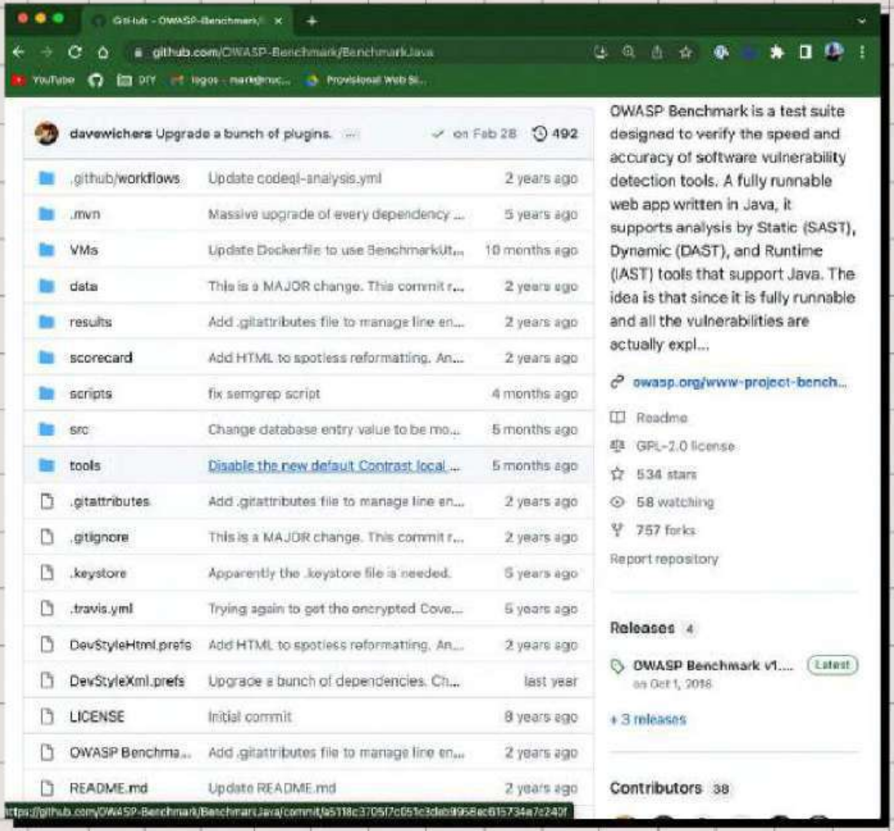
- NSA's Juliet for Java
- The Web Application Vulnerability Scanner Evaluation Project (WAVSEP)

The OWASP® Foundation works to improve the security of software through its community-led open source software projects, hundreds of chapters worldwide, tens of thousands of members, and by hosting local and global conferences.

Project Information

Lab Project

Classification



GitHub - OWASP-Benchmark/
github.com/OWASP-Benchmark/BenchmarkJava
YouTube
DIY
logos - mark@nuc...
Provisional Web Si...

davewichers Upgrade a bunch of plugins. ✓ on Feb 28 492

.github/workflows	Update codeql-analysis.yml	2 years ago
.mvn	Massive upgrade of every dependency ...	5 years ago
VMs	Update Dockerfile to use BenchmarkUt...	10 months ago
data	This is a MAJOR change. This commit r...	2 years ago
results	Add .gitattributes file to manage line en...	2 years ago
scorecard	Add HTML to spotless reformatting. An...	2 years ago
scripts	fix semgrep script	4 months ago
src	Change database entry value to be mo...	5 months ago
tools	Disable the new default Contrast local ...	5 months ago
.gitattributes	Add .gitattributes file to manage line en...	2 years ago
.gitignore	This is a MAJOR change. This commit r...	2 years ago
.keystore	Apparently the .keystore file is needed.	5 years ago
.travis.yml	Trying again to get the encrypted Cove...	5 years ago
DevStyleHtml.prefs	Add HTML to spotless reformatting. An...	2 years ago
DevStyleXml.prefs	Upgrade a bunch of dependencies. Ch...	last year
LICENSE	Initial commit	8 years ago
OWASP Benchma...	Add .gitattributes file to manage line en...	2 years ago
README.md	Update README.md	2 years ago

ttps://github.com/OWASP-Benchmark/BenchmarkJava/commit/a5118c3705f7c051c3dab9958ac615734a7c240f

OWASP Benchmark is a test suite designed to verify the speed and accuracy of software vulnerability detection tools. A fully runnable web app written in Java, it supports analysis by Static (SAST), Dynamic (DAST), and Runtime (IAST) tools that support Java. The idea is that since it is fully runnable and all the vulnerabilities are actually expl...

owasp.org/www-project-bench...

Releases 4

OWASP Benchmark v1.... Latest
on Oct 1, 2016

+ 3 releases

Contributors 38

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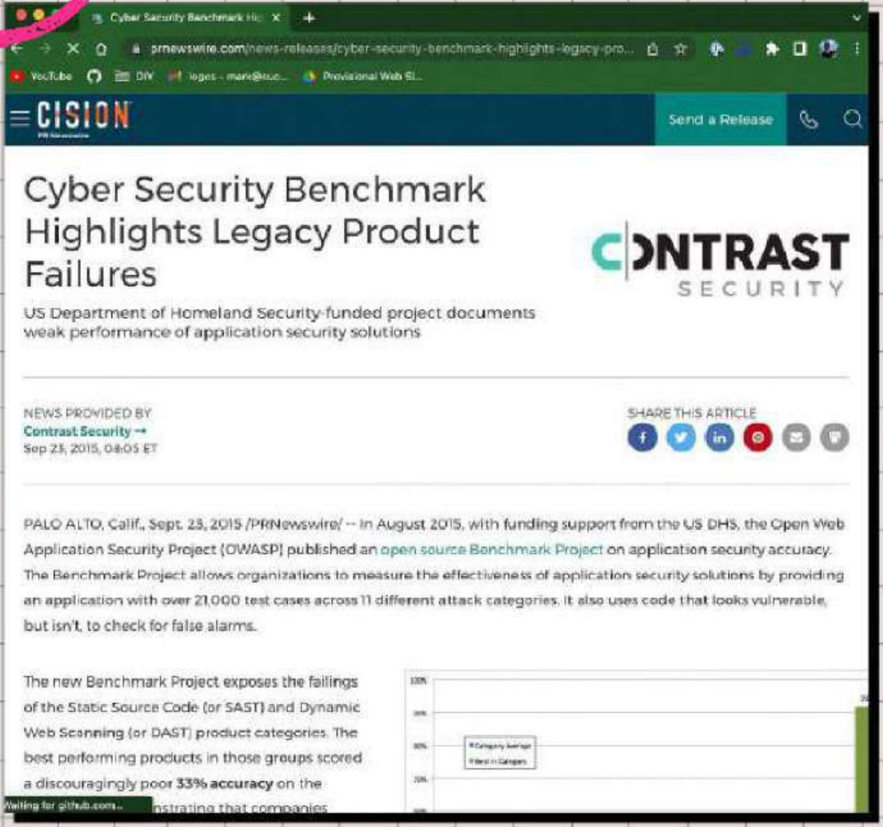


Cyber Security Benchmark Highlights Legacy Product Failures

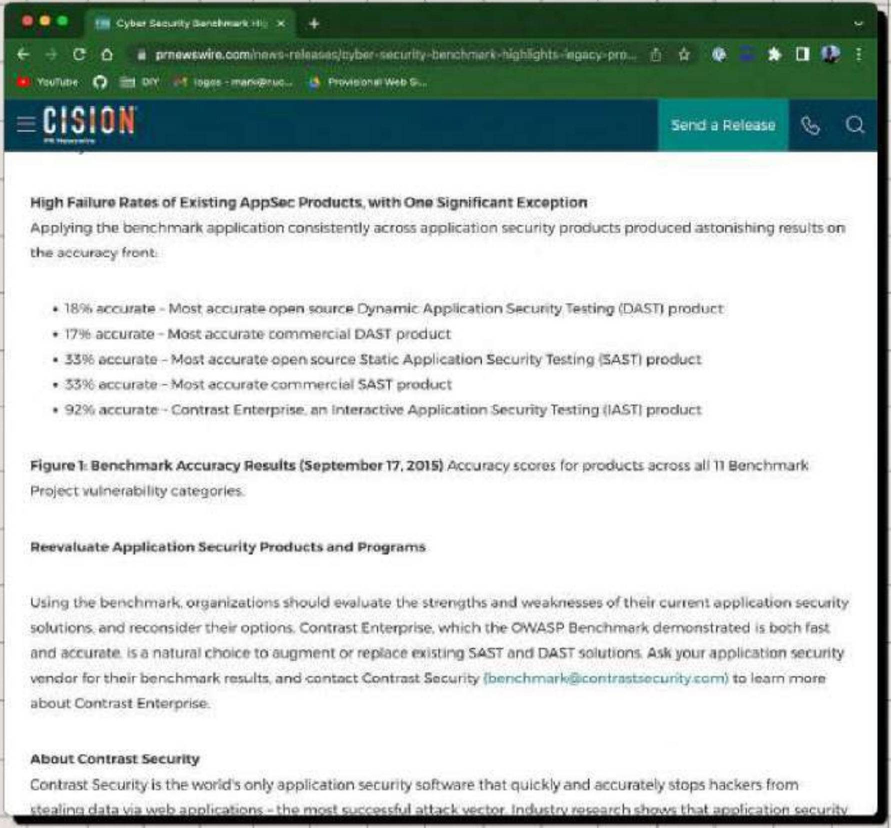
US Department of Homeland Security-funded project documents weak performance of application security solutions

NEWS PROVIDED BY
Contrast Security →
Sep 23, 2015, 08:05 ET

PALO ALTO, Calif., Sept. 23, 2015 /PRNewswire/ -- In August 2015, with funding support from the US DHS, the Open Web Application Security Project (OWASP) published an open source Benchmark Project on application security accuracy. The Benchmark Project allows organizations to measure the effectiveness of application security solutions by providing an application with over 21,000 test cases across 11 different attack categories. It also uses code that looks vulnerable, but isn't, to check for false alarms.

The new Benchmark Project exposes the failings of the Static Source Code (or SAST) and Dynamic Web Scanning (or DAST) product categories. The best performing products in those groups scored a discouragingly poor **33% accuracy** on the

nstrating that companies


Cyber Security Benchmark Hi
prnewswire.com/news-releases/cyber-security-benchmark-highlights-legacy-pro...
YouTube
DIY
logos - mark@ruo...
Provisional Web Si...
CISION
Send a Release

High Failure Rates of Existing AppSec Products, with One Significant Exception

Applying the benchmark application consistently across application security products produced astonishing results on the accuracy front:

- 18% accurate - Most accurate open source Dynamic Application Security Testing (DAST) product
- 17% accurate - Most accurate commercial DAST product
- 33% accurate - Most accurate open source Static Application Security Testing (SAST) product
- 33% accurate - Most accurate commercial SAST product
- 92% accurate - Contrast Enterprise, an Interactive Application Security Testing (IAST) product

Figure 1: Benchmark Accuracy Results (September 17, 2015) Accuracy scores for products across all 11 Benchmark Project vulnerability categories.

Reevaluate Application Security Products and Programs

Using the benchmark, organizations should evaluate the strengths and weaknesses of their current application security solutions, and reconsider their options. Contrast Enterprise, which the OWASP Benchmark demonstrated is both fast and accurate, is a natural choice to augment or replace existing SAST and DAST solutions. Ask your application security vendor for their benchmark results, and contact Contrast Security (benchmark@contrastsecurity.com) to learn more about Contrast Enterprise.

About Contrast Security

Contrast Security is the world's only application security software that quickly and accurately stops hackers from stealing data via web applications – the most successful attack vector. Industry research shows that application security

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CAUTION

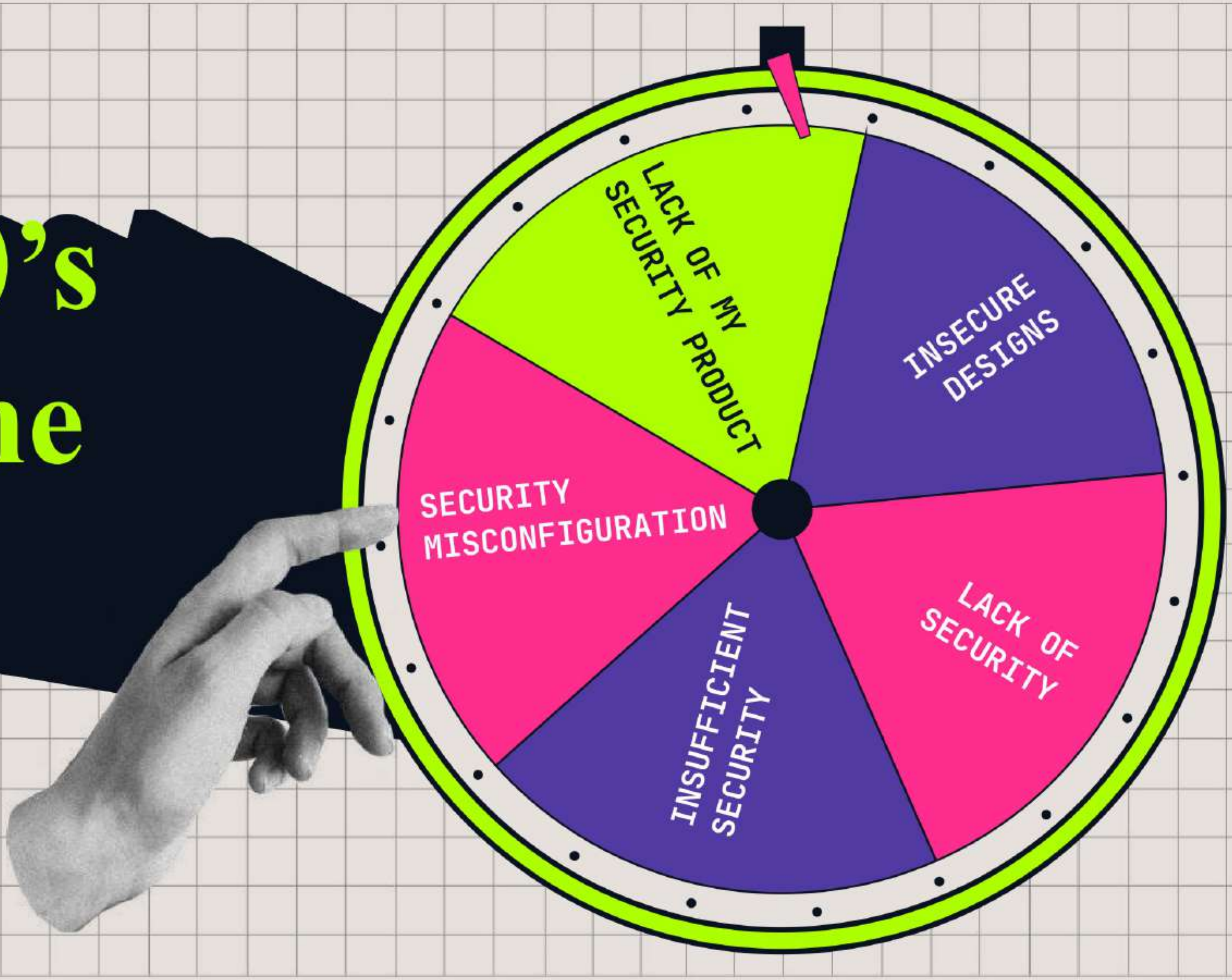
We need regulated, independent security tools testing that works for todays software engineering world.

UNETHICAL

DODGY TRUTH

The top ten list of bullshit top tens

Top 10's Fortune Wheel



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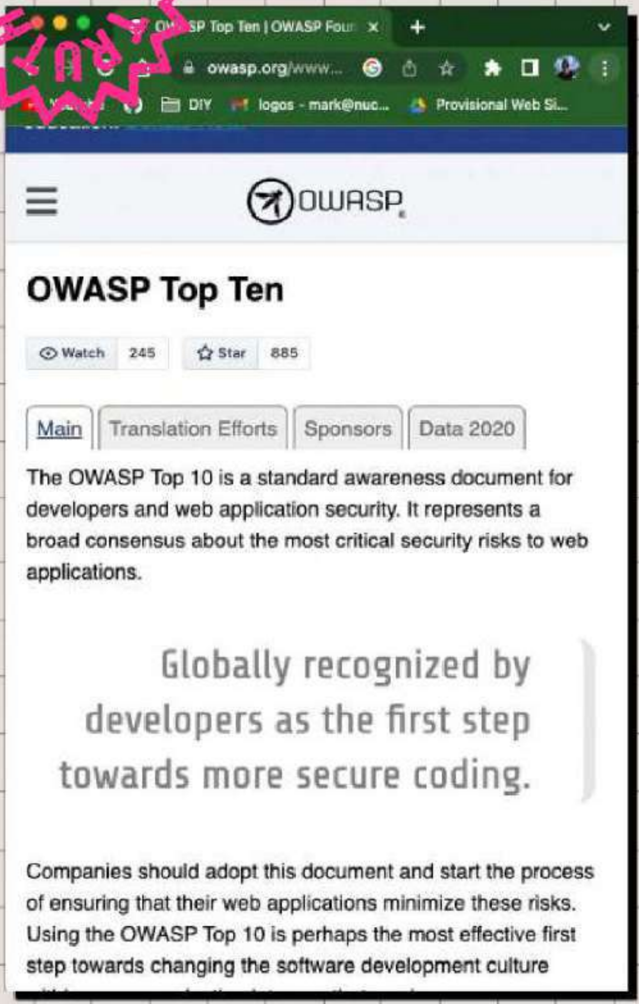
DODGY TRUTH

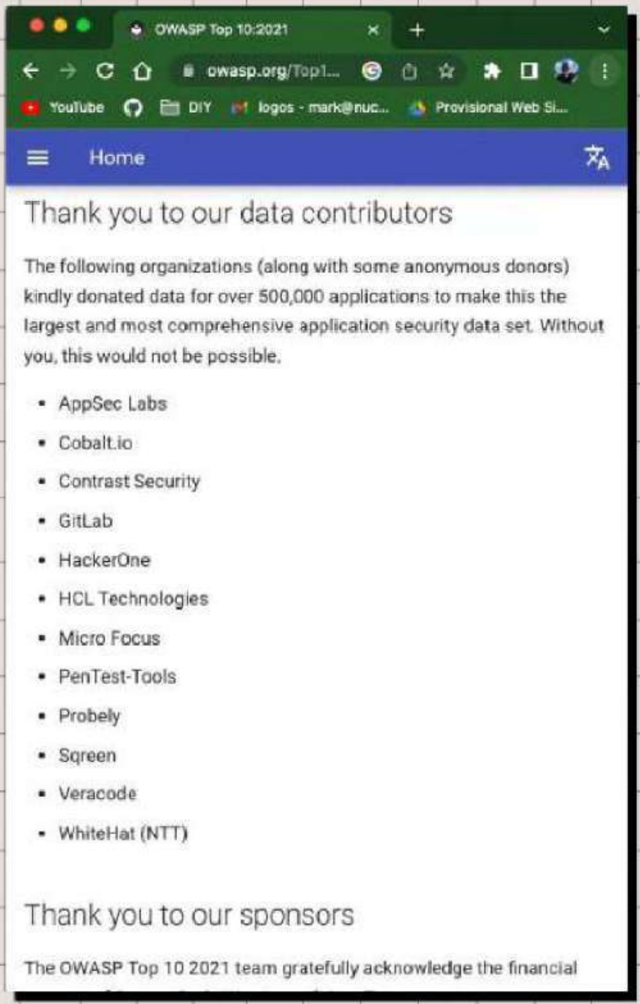


OWASP Top Ten

The OWASP Top 10 is a standard awareness document for developers and web application security. It represents a broad consensus about the most critical security risks to web applications.

> Globally recognized by developers as the first step towards more secure coding.

Companies should adopt this document and start the process of ensuring that their web applications minimize these risks. Using the OWASP Top 10 is perhaps the most effective first step towards changing the software development culture



Thank you to our data contributors

The following organizations (along with some anonymous donors) kindly donated data for over 500,000 applications to make this the largest and most comprehensive application security data set. Without you, this would not be possible.

- AppSec Labs
- Cobalt.io
- Contrast Security
- GitLab
- HackerOne
- HCL Technologies
- Micro Focus
- PenTest-Tools
- Probely
- Sqreen
- Veracode
- WhiteHat (NTT)

Thank you to our sponsors

The OWASP Top 10 2021 team gratefully acknowledge the financial

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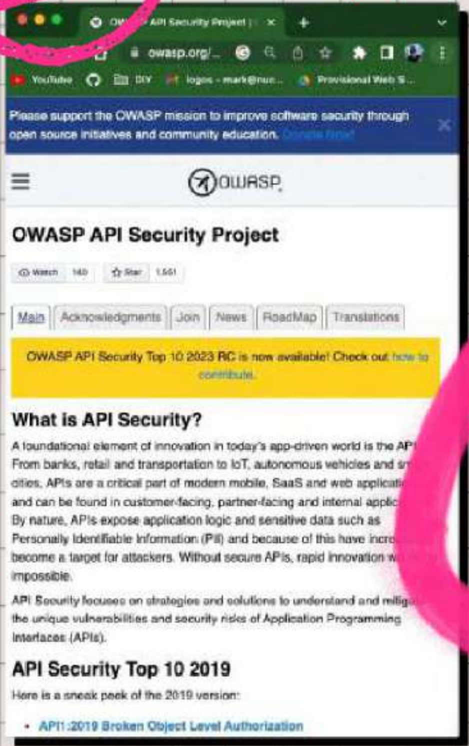
DODGY TRUTH



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OWASP API Security Project

Watch 140 ☆ Star 1,561

Main | Acknowledgments | Join | News | RoadMap | Translations

OWASP API Security Top 10 2023 RC is now available! Check out how to contribute.

What is API Security?

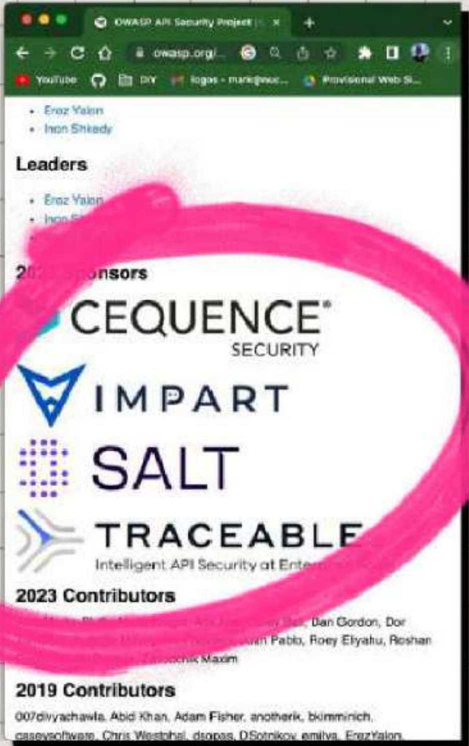
A foundational element of innovation in today's app-driven world is the AP From banks, retail and transportation to IoT, autonomous vehicles and sm cities, APIs are a critical part of modern mobile, SaaS and web applicati and can be found in customer-facing, partner-facing and internal applic By nature, APIs expose application logic and sensitive data such as Personally Identifiable Information (PII) and because of this have incre become a target for attackers. Without secure APIs, rapid innovation w impossible.

API Security focuses on strategies and solutions to understand and mitig the unique vulnerabilities and security risks of Application Programming Interfaces (APIs).

API Security Top 10 2019

Here is a sneak peek of the 2019 version:

- API1:2019 Broken Object Level Authorization



- Erez Yalon
- Inon Shkedy

Leaders

- Erez Yalon
- Inon Sh

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2023 Contributors

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2019 Contributors

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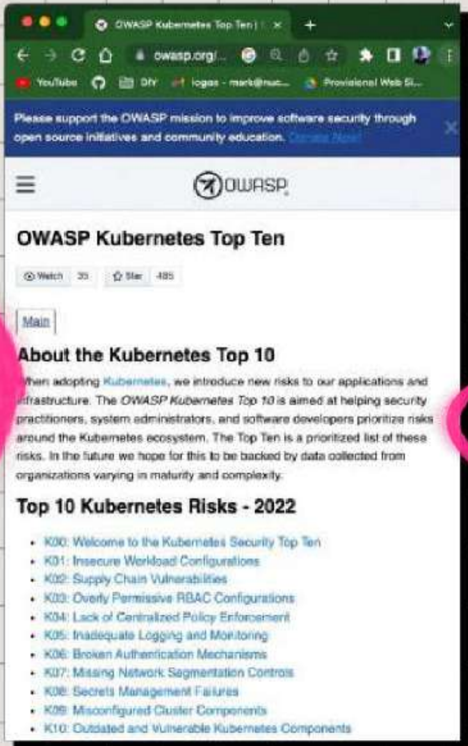

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OWASP Kubernetes Top Ten

Watch 35 ☆ Star 485

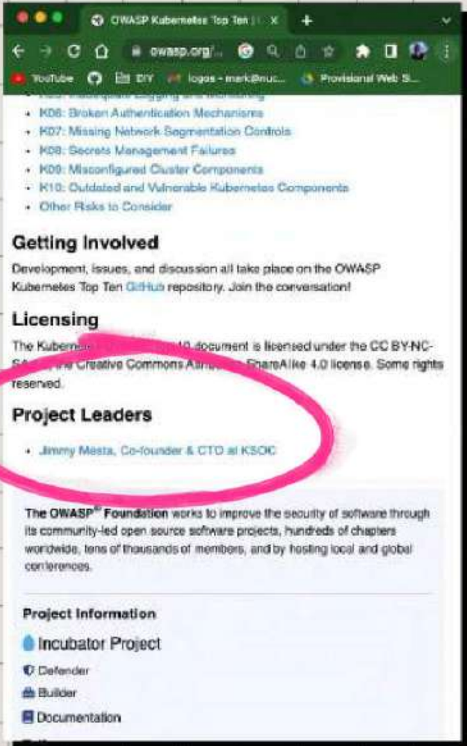
Main

About the Kubernetes Top 10

When adopting Kubernetes, we introduce new risks to our applications and infrastructure. The *OWASP Kubernetes Top 10* is aimed at helping security practitioners, system administrators, and software developers prioritize risks around the Kubernetes ecosystem. The Top Ten is a prioritized list of these risks. In the future we hope for this to be backed by data collected from organizations varying in maturity and complexity.

Top 10 Kubernetes Risks - 2022

- K00: Welcome to the Kubernetes Security Top Ten
- K01: Insecure Workload Configurations
- K02: Supply Chain Vulnerabilities
- K03: Overly Permissive RBAC Configurations
- K04: Lack of Centralized Policy Enforcement
- K05: Inadequate Logging and Monitoring
- K06: Broken Authentication Mechanisms
- K07: Missing Network Segmentation Controls
- K08: Secrets Management Failures
- K09: Misconfigured Cluster Components
- K10: Outdated and Vulnerable Kubernetes Components



- K06: Broken Authentication Mechanisms
- K07: Missing Network Segmentation Controls
- K08: Secrets Management Failures
- K09: Misconfigured Cluster Components
- K10: Outdated and Vulnerable Kubernetes Components
- Other Risks to Consider

Getting Involved

Development, issues, and discussion all take place on the OWASP Kubernetes Top Ten GitHub repository. Join the conversation!

Licensing

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Project Leaders

- Jimmy Mesta, Co-founder & CTO at KSOC

The OWASP® Foundation works to improve the security of software through its community-led open source software projects, hundreds of chapters worldwide, tens of thousands of members, and by hosting local and global conferences.

Project Information

Incubator Project

Defender

Builder

Documentation

UNETHICAL

CAUTION

Top Tens need to be driven by operators. Operators needs to tell consults and vendors what the biggest issues are. We can not be driven by circulation causation.

"That's all Folks!"