



Welcome**Security**
Enabling value through IT security

Exploiting Systems Behind the scenes

Shadow Brokers claim to have hacked the Equation Group, a group linked to the NSA's Tailored Access Group, and began auctioning off stolen hacking tools online

Aug. 2016

March 2017

14 Apr. 2017

12 May 2017

27 June 2017

Microsoft is informed of the vulnerabilities and patches them



WannaCry ransomware attack begins using the EternalBlue exploit, infecting over 300,000 computers in 150 countries.

The consequence could have been even worse if Marcus Hutchins had not found its Kill Switch
North Korea is expected to be behind the attack

NotPetya cyberattack occurs using the same EternalBlue exploit, infecting thousands of computers across the globe, including the shipping giant Maersk

The Russian government (Sandworm hacking group within the GRU Russian military intelligence organization) is expected to be behind the attack which started as an attack on the software update mechanism of M.E.Doc — a Ukrainian tax preparation program

\$870,000,000
Pharmaceutical company Merck
\$400,000,000
Delivery company FedEx (through European subsidiary TNT Express)
\$384,000,000
French construction company Saint-Gobain
\$300,000,000
Danish shipping company Maersk
\$188,000,000
Snack company Mondelez (parent company of Nabisco and Cadbury)
\$129,000,000
British manufacturer Reckitt Benckiser (owner of Lysol and Durex condoms)
\$10 billion
Total damages from NotPetya, as estimated by the White House

https://en.wikipedia.org/wiki/The_Shadow_Brokers

https://en.wikipedia.org/wiki/WannaCry_ransomware_attack

[https://en.wikipedia.org/wiki/Petya_\(malware_family\)](https://en.wikipedia.org/wiki/Petya_(malware_family))

<https://www.wired.com/story/notpetya-cyberattack-ukraine-russia-code-crashed-the-world/>

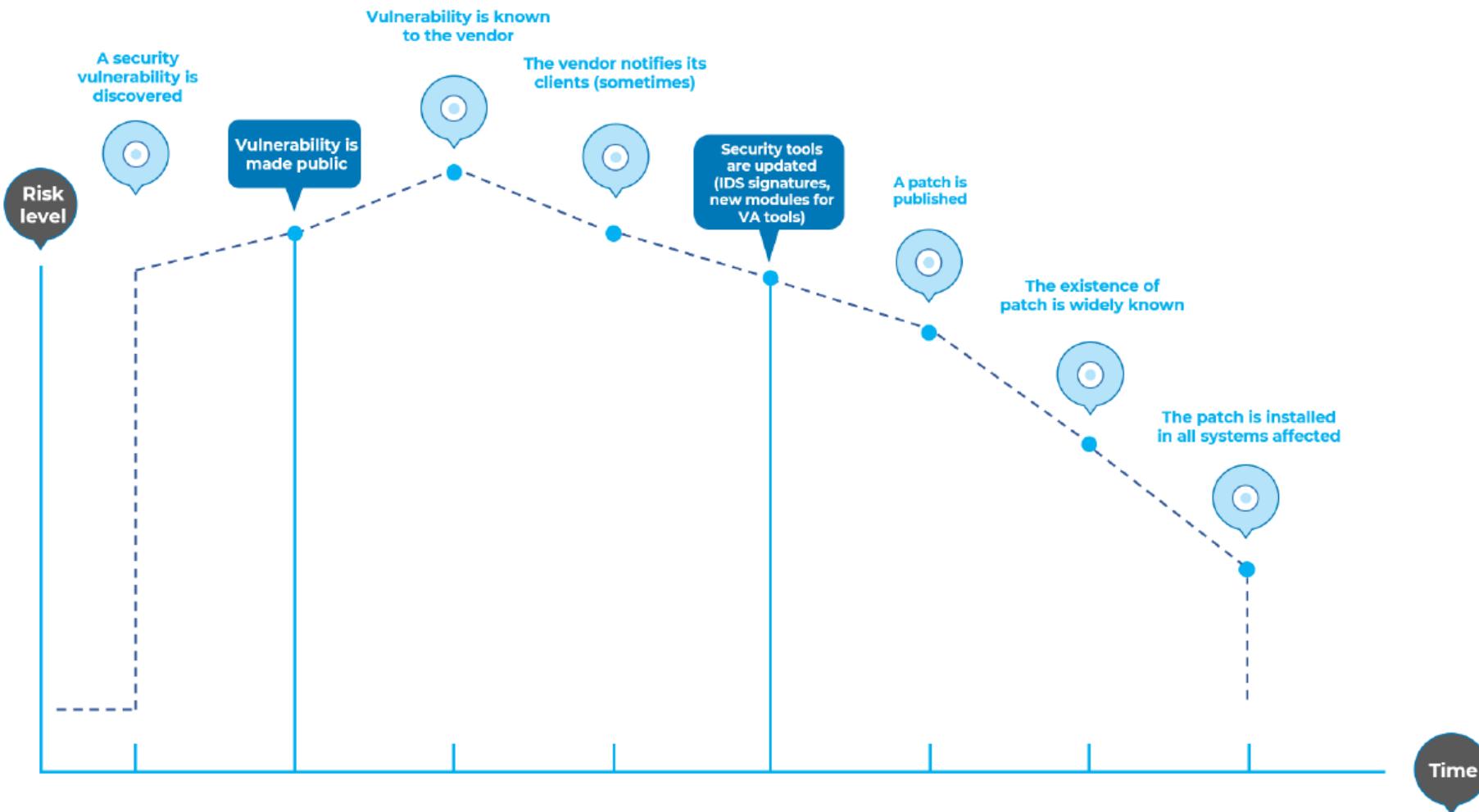


Figure 2-2: Window of Vulnerability

<https://github.com/OWASP/wstg/releases/download/v4.2/wstg-v4.2.pdf>

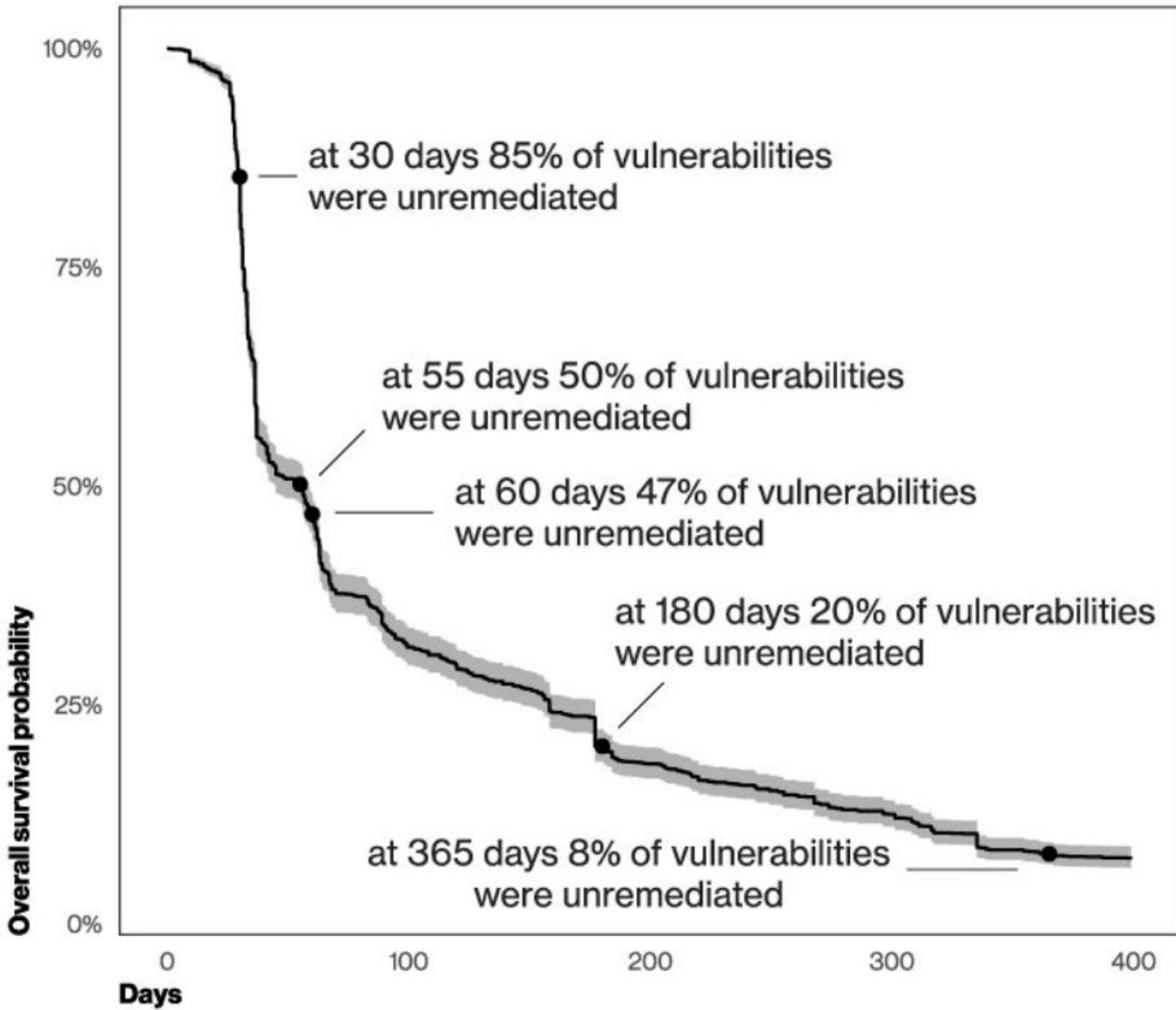
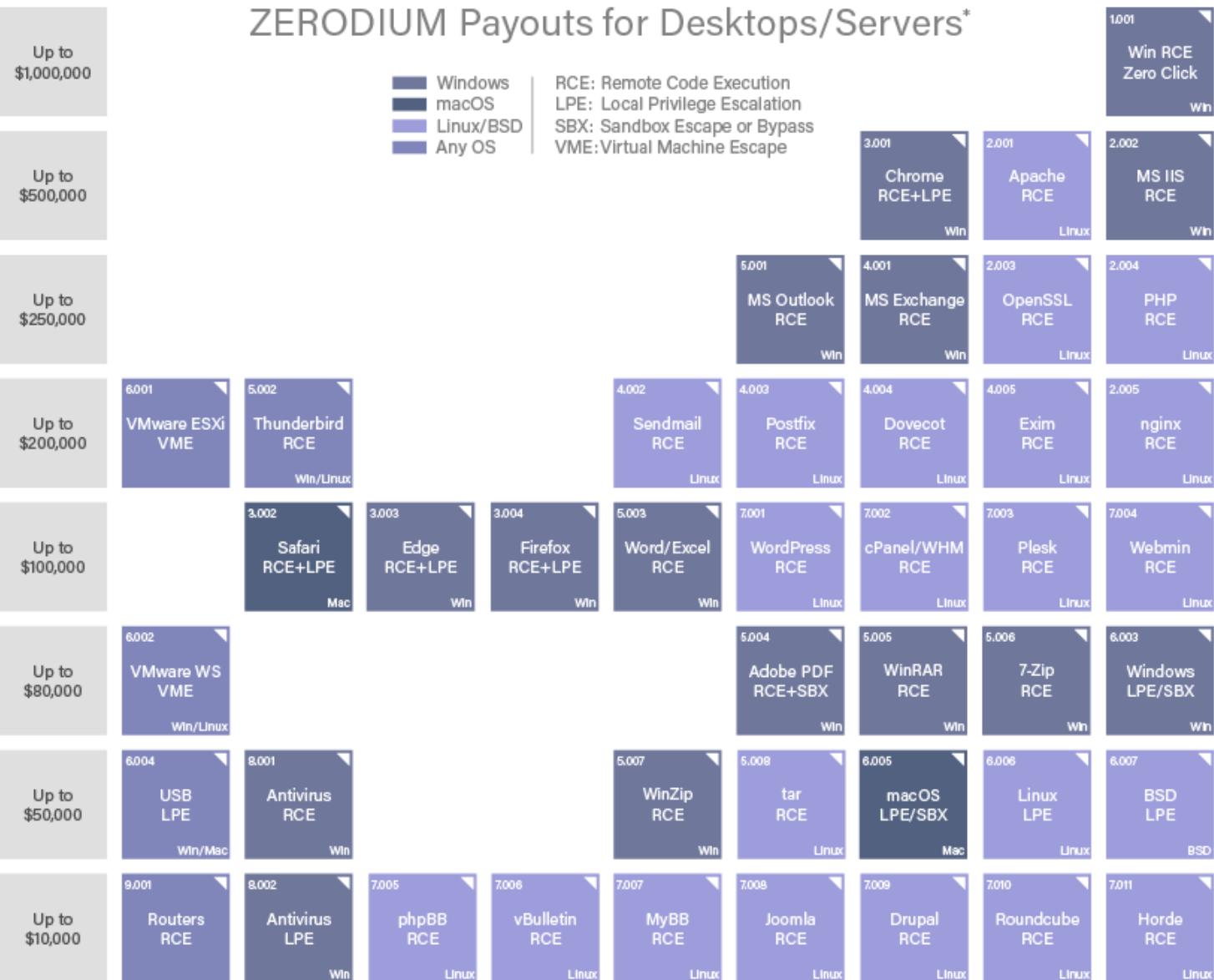


Figure 19. Survival analysis of CISA KEV vulnerabilities

ZERODIUM Payouts for Desktops/Servers*



* All payouts are subject to change or cancellation without notice. All trademarks are the property of their respective owners.

2019/01 © zerodium.com

<https://zerodium.com/program.html>

Verified Has App

Filters Reset All

Show 15

Search:

Date	D	A	V	Title	Type	Platform	Author
2024-11-15				SOPlanning 1.52.01 (Simple Online Planning Tool) - Remote Code Execution (RCE) (Authenticated)	WebApps	PHP	cybersploit
2024-10-01				reNginer 2.2.0 - Command Injection (Authenticated)	WebApps	Multiple	Caner Tercan
2024-10-01				openSIS 9.1 - SQLi (Authenticated)	WebApps	PHP	Devrim Diragumandan
2024-10-01				dizqueTV 1.5.3 - Remote Code Execution (RCE)	WebApps	JSP	Ahmed Said Saud Al-Rusair
2024-08-28				NoteMark < 0.13.0 - Stored XSS	Documentation	CVEDetails.com powered by SecurityScorecard	
2024-08-28				Gitea 1.22.0 - Stored XSS		CVE id, product, vendor...	
2024-08-28				Invesalius3 - Remote Code Execution			

Documentation

 CVEdetails.com
powered by SecurityScorecard

Vulnerabilities

- By Date
- By Type
- Known Exploited
- Assigners
- CVSS Scores
- EPSS Scores
- Search

Vulnerable Software

- Vendors
- Products
- Version Search

Vulnerability Intel.

- Newsfeed
- Open Source Vulns
- Emerging CVEs
- Feeds

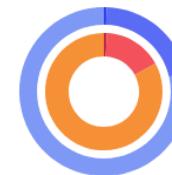
Exploits

- Advisories
- Code Repositories
- Code Changes

Attack Surface

- My Attack Surface

New/Updated CVEs



39 CVEs created, 40 CVEs updated since yesterday

761 CVEs created, 1622 CVEs updated in the last 7 days

3886 CVEs created, 6110 CVEs updated in the last 30 days

Known exploited vulnerabilities

Since yesterday Last 7 days Last 30 days

0 4 20

Recent EPSS score changes

>5% >10% >50%
6 6 0

Distribution of vulnerabilities by CVSS scores

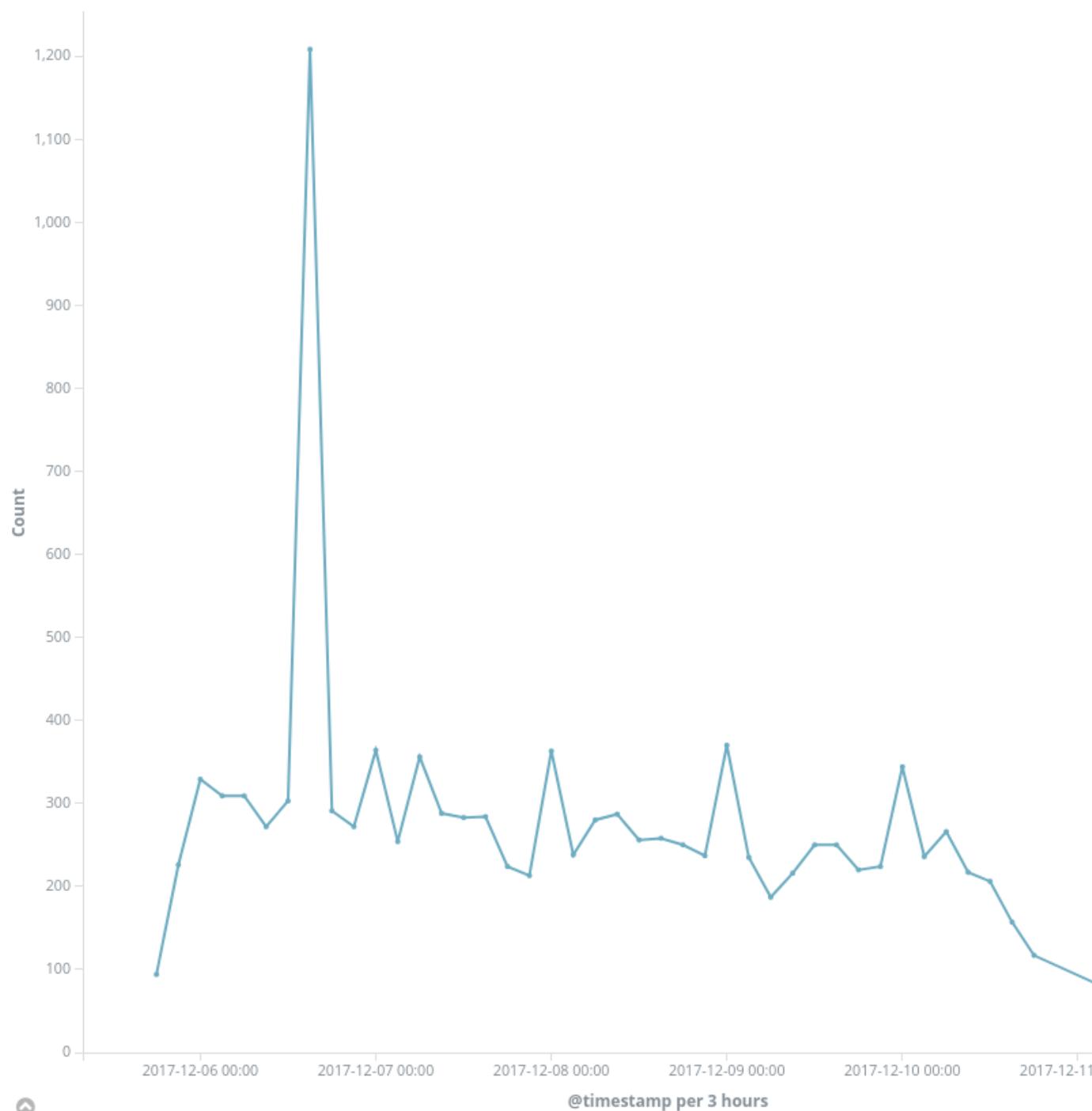
CVSS Score Range

Vulnerabilities

0-1		2532
1-2		148
2-3		1067
3-4		2509
4-5		16156
5-6		33835
6-7		33229
7-8		49674
8-9		24397
9+		36026
Total		199573

Weighted Average CVSS Score: 7.6

* For CVEs published in the last 10 years



Try this: https://www.shodan.io/search?query=has_screenshot%3Atrue+encrypted+attention

The Shodan search interface shows a total of 3 results. The first result is for IP 212.55.40.22, which is a Check Point Firewall from Faroe Islands, Tórshavn. It has 2 top ports (264, 443) and 1 top organization (External Interconnect Network). The second result is for IP 193.34.106.74, also a Check Point Firewall from Faroe Islands, Tórshavn. The third result is for IP 193.34.106.75, another Check Point Firewall from Faroe Islands, Tórshavn.

The Censys search interface shows results for the query 'ft.fo'. There are 25 hosts found in 0.05s. One notable result is for IP 212.55.40.28, which is a Microsoft Windows Server 2008 R2 running default-landing-page, jquery, and typekit. Another result is for IP 193.34.106.74, a Check Point Gaia Os device.

<https://www.shodan.io/search?query=ft.fo>

The Censys search interface shows results for the query 'resource=hosts&q=ft.fo'. There are 48 hosts found. One notable result is for IP 81.18.224.133, which is a MQTT broker. Another result is for IP 81.18.224.41, which is a general host entry.

<https://search.censys.io/search?resource=hosts&q=ft.fo>

The Shodan search interface shows results for the query 'ft.fo'. There are 3 results. The first result is for IP 212.55.40.22, which is a Check Point Firewall from Faroe Islands, Tórshavn. The second result is for IP 193.34.106.74, also a Check Point Firewall from Faroe Islands, Tórshavn. The third result is for IP 193.34.106.75, another Check Point Firewall from Faroe Islands, Tórshavn.

<https://www.shodan.io/search?query=ft.fo>

The crt.sh Identity Search interface shows certificates for the domain 'ft.fo'. There are 153 certificates listed. The first few include:

- 15538598362 2024-11-28 2024-11-28 umsiet.konnekt.ft.fo
- 15544586558 2024-11-28 2024-11-28 bmp.konnekt.ft.fo
- 15440984942 2024-11-20 2024-11-12 2025-02-10 ft.fo
- 15380673602 2024-11-16 2024-11-16 2025-02-14 dekningur.ft.fo
- 15322114121 2024-11-12 2024-11-12 2025-02-10 ft.fo
- 15322116205 2024-11-12 2024-11-12 2025-02-10 ft.fo
- 15356457786 2024-11-10 2024-11-10 2025-02-08 sporा.fo
- 15287157647 2024-11-10 2024-11-10 2025-02-08 sporा.fo
- 15327462197 2024-11-08 2024-11-07 2025-02-05 pb.dekningur.ft.fo
- 15262004372 2024-11-08 2024-11-07 2025-02-05 pb.dekningur.ft.fo
- 15291051711 2024-11-06 2024-11-06 2025-02-05 link-ft.fo
- 15292710851 2024-11-05 2024-11-05 2025-02-03 link-ft.fo
- 15021454307 2024-10-31 2024-10-30 2025-01-28 x.ft.fo
- 15161234604 2024-10-31 2024-10-30 2025-01-28 x.ft.fo
- 15151541285 2024-10-31 2024-10-30 2025-01-28 starv.ft.fo
- 15196482261 2024-10-30 2024-10-30 2025-01-28 tolnet.ft.fo
- 15154895998 2024-10-30 2024-10-30 2025-01-28 tolnet.ft.fo
- 15145336188 2024-10-30 2024-10-30 2025-11-06 ipsolutions.dk
- 15123924437 2024-10-29 2024-10-29 2025-11-06 ipsolutions.dk

<https://crt.sh/?q=ft.fo>

Demo

Behind the scenes

I am never going to give you up!

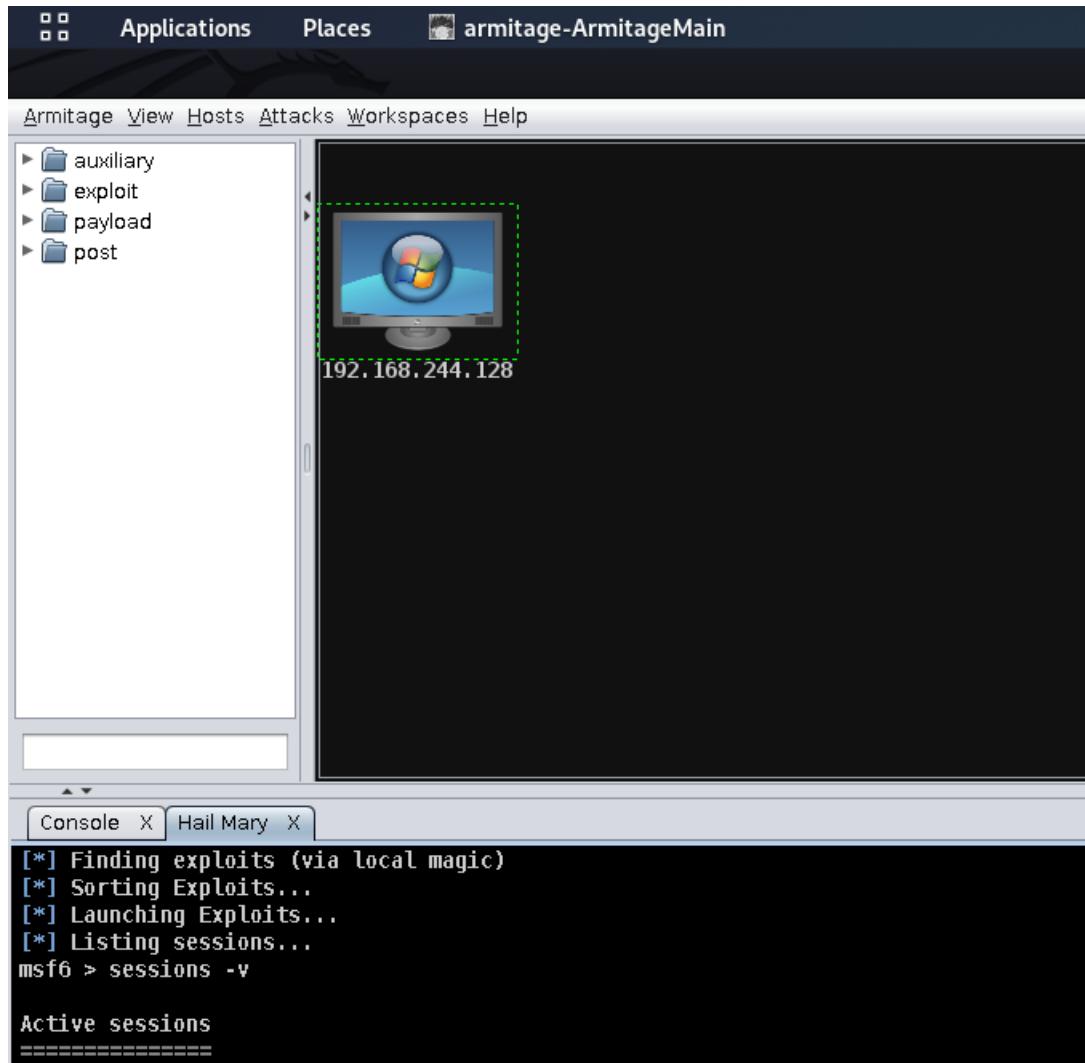
Eternalblue and Doublepulsar and Armitage

10

Demo

It is not going to get easier!

*Armitage – Hacking like you do
not know what you are doing!*



Thought Experiment

.... Okay, it may actually be even easier....

Hacking like you do not know what you are doing (and really you do not)

- AWS
- Azure
- Digital Ocean
- Linode

<https://www.kali.org/docs/cloud/>

Products > Kali Linux



Get It Now

Pricing information
Bring your own license

Kali Linux

Kali Linux

★ 4.9 (7 ratings)

Overview

Plans + Pricing

Ratings + reviews

The Most Advanced Penetration Testing Distribution. Ever.

Kali Linux (formerly known as BackTrack Linux) is an open-source, Debian distribution aimed at advanced Penetration Testing and Security Auditing, providing common tools, configurations, and automations which allows the task that needs to be completed, not the surrounding activity. Kali Li

aws marketplace

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Kali Linux

By: Kali Latest Version: Kali Linux 2023.4

Kali Linux, The Most Advanced Penetration Testing Distribution. Ever.

Linux/Unix

★★★★★ 18 AWS reviews

Free Tier

Locations Places armitage-ArmitageMain

Hosts Attacks Workspaces Help

Console X Hail Mary X

```
[*] Finding exploits (via local magic)
[*] Sorting Exploits...
[*] Launching Exploits...
[*] Listing sessions...
msf6 > sessions -v
```

Active sessions

<https://aws.amazon.com/marketplace/pp/prodview-fznsnw3f7mq7to>





Thanks!

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