In celebration of our 4.2 release,

Eclypsium requests you **DON'T PANIC**, share and enjoy:

THE HITCH-HACKER'S GUIDE TO THE GALAXY'S EDGE

2025 IN STATISTICS & STICKERS & SONG*

*If you read this and listen to your Spotify Wrapped playlist at the same time.

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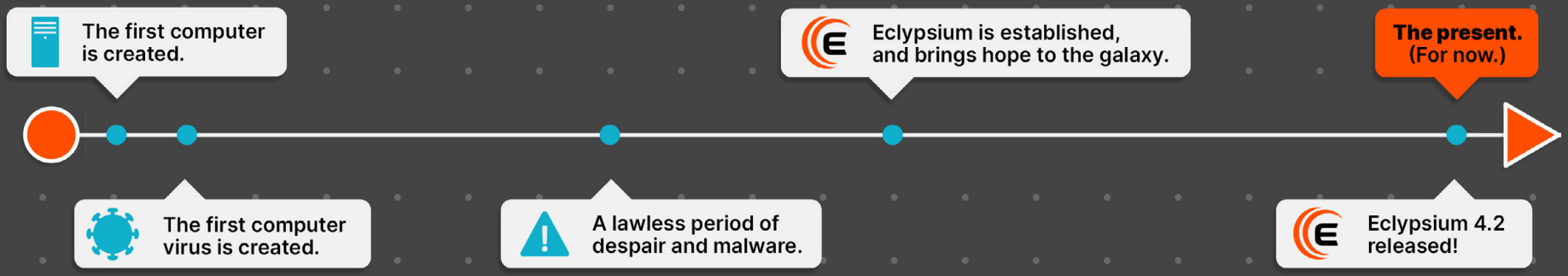
2025 in Statistics & Stickers & Song

In the beginning... the computer was created.

This has widely been regarded as a bad security move.



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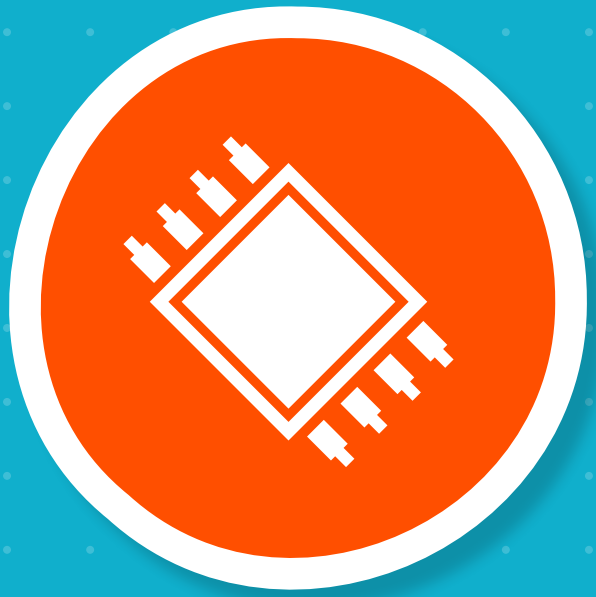
2025 STATISTICS PART 1:

STATE OF THE ECLYPSIUM GUIDE



LIFE, THE UNIVERSE, AND ENTERPRISE TECHNOLOGY

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The Galaxy of Devices is populated with many strange and exotic binaries

In 2025 our Integrity Database eclipsed

32,000,000 ANALYZED BINARIES

Note: This number is both very large, but also very impressive.

These binaries are bundled up in update packages, which are sent out from technology vendors to end users when big updates happen, or when vulnerabilities need to be patched.

10

Smallest # of files in a firmware package analyzed by Eclypsium

19,950

Largest # of files in a single firmware package analyzed by Eclypsium in 2025

Or sometimes just to use up your bandwidth, we can't prove it but ...

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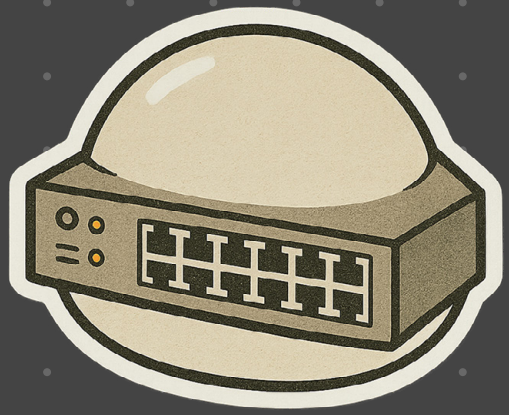
A single network device update package, that shall remain nameless to protect the innocent, took the prize for largest, and most complex, firmware Eclypsium analyzed in 2025. Here's how it broke down:



10x

... increase in size and complexity since 2023

100x

... increase in complexity since 2020

Over 3GB

... in size, enough data to fill a standard DVD (remember DVDs?)

From zero python imports in 2020 to over 140 now - the open source supply chain exposure of this network device firmware shot through the roof.

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Eclypsium builds the most detailed map of the known and unknown galaxy of devices, with **12 million firmware** packages and over **32 million binaries and rising***, so our customers know exactly where the hidden risks are.

*Our engineers are busy doing "real work" and don't have time to give the "marketing [redacted]" exact numbers that are constantly growing anyhow.

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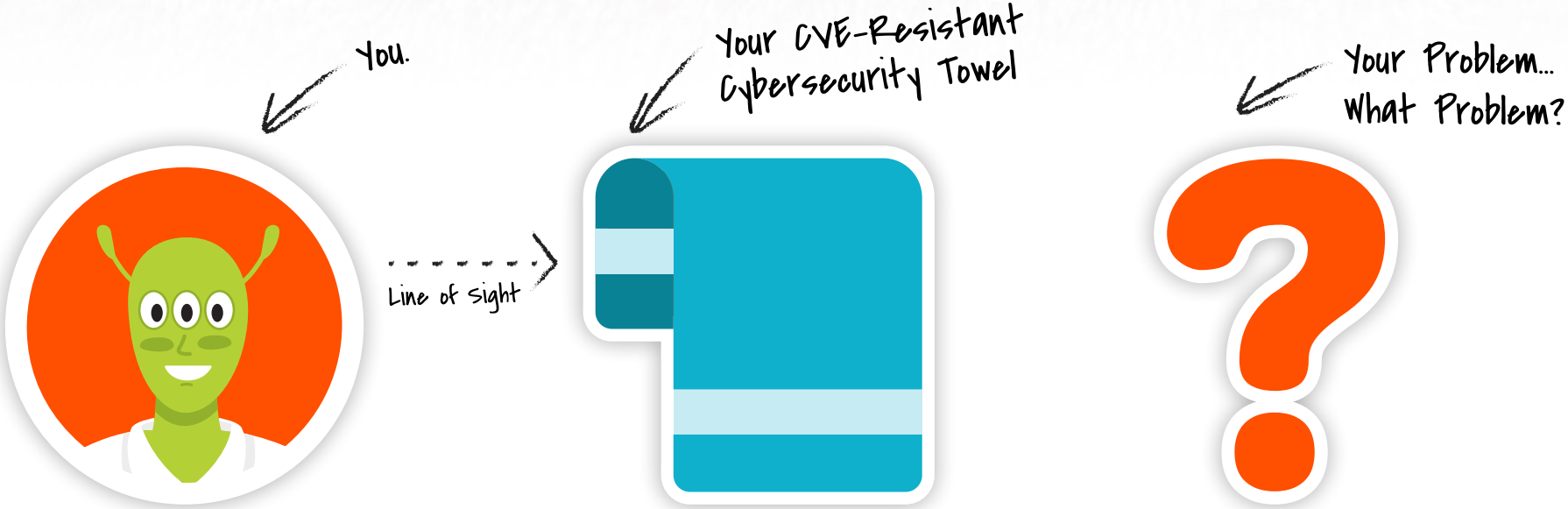

If you can't see them, they can't hurt you!

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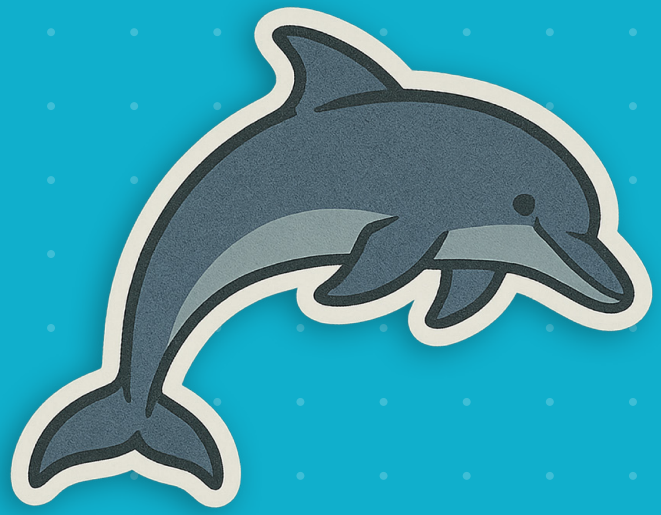
2025 STATISTICS PART 2:

STATE OF THE ATTACK STARSCAPE



SO LONG, AND THANKS FOR ALL THE RISK

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The Network's Net Worst?

269,000

F5 Devices exposed when Security Incident K000154696 was disclosed.

2,000,000

Exposed Cisco Devices when the SMTP vulnerability CVE-2025-20352 was disclosed

DANGER DANGER DANGER DANGER

33% of attacks investigated by Mandiant started with exploitation of a vulnerability. The top 4 vulnerabilities were in network edge devices, primarily VPNs.

VERY PROBLEMATIC NODES

Businesses using on-premise VPN solutions were correlated with 3.7X higher likelihood to be a victim of an attack compared to businesses using a cloud-based VPN or no VPN detected at all.

⚠ WARNING ⚠

25,000 unique IPs probing Cisco Adaptive Security Appliance login portals was reported by GreyNoise, several weeks before a wave of cyberattacks against the same devices.

Sources: ShadowServer Foundation, At Bay Cyber Insurance, Ars Techica, Shodan, GreyNoise Intelligence.

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Supply Chain Risk Rocks OWASP Top 10 Update

The OWASP crew does admirable work in mapping the top cyber risks in the known galaxy. In 2025, for the first time, Supply Chain Security Failures made the list, bursting onto the scene as the top voted concern in the community survey.

Supply Chain Security
had the highest average incidence & impact rate

New Category!
Supply Chain Security Failures takes the #3 Spot

Showcasing the scale and severity of risks OWASP is measuring, the list represents analysis of over 500 Common Weakness Enumerations (CWEs) , 10x the number OWASP used in since 2017, and 220k CVEs.

We tip our hats to the intrepid OWASP team for their work in mapping the galaxy of risk.

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Exploit Velocity

The time between disclosure of a vulnerability and exploitation has accelerated from 32 days to just **5 days** since 2023.

Source: Google Cybersecurity Forecast 2025

More Bad Numbers

Increase in Exploitation of Vulnerabilities in the last year.

Source: Verizon Data Breach Investigation Report 2025

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The Vulnerability at the End Of The Universe

3,040 Devices scanned by Eclypsium in 2025 still contained the Log4J vulnerability.

News cycles move fast, and major threats fall out of awareness, but the real-world risk from unpatched supply chain vulnerabilities persists.

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So Long!

Don't forget your towel!

eclypsium.com/hitchhacker