

Open-Source Security by the Numbers

The vast majority of today's technology applications rely on open-source software (OSS), which can enhance innovation by leveraging the knowledge of the global OSS community. However, open source comes with cybersecurity vulnerabilities that bad actors are working to exploit. The vendor you choose for open-source security will determine the safety and outcomes of your applications built with OSS.

Here are the latest numbers on OSS usage, cyberthreats, data breaches, and vulnerabilities—and how Anaconda can help.



OPEN SOURCE

Python is the

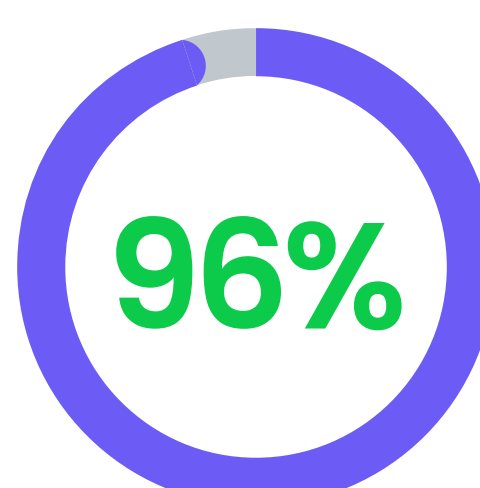
#1

most popular programming language, with

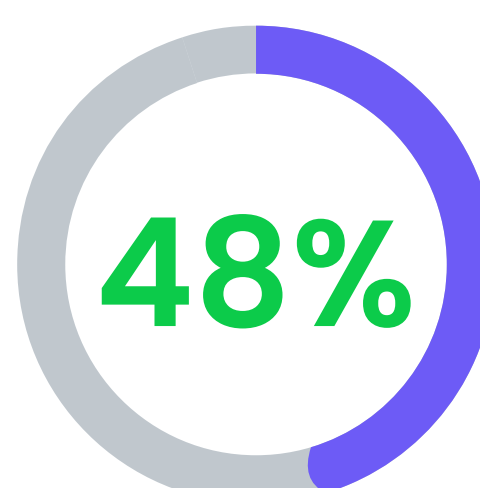
27%

of global market share.

[PYPL Index, 2023](#)



of code bases contain **open-source software**.



of code bases contain **high-risk vulnerabilities**.

Synopsys [2023 OSS Risk Analysis Report](#)

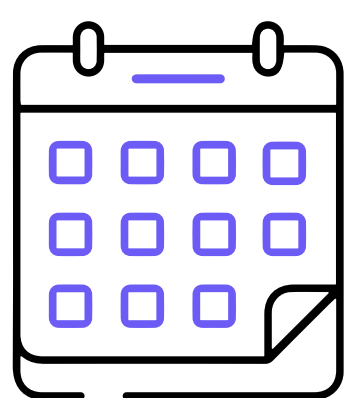


DATA BREACHES AND CYBERATTACKS

It typically takes

277

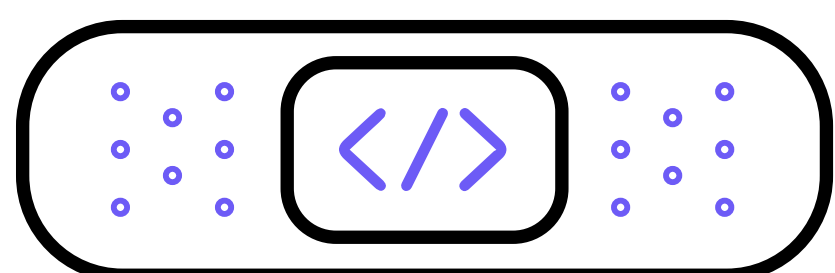
days (9 months) for security teams to identify and contain a breach.



\$9.4M

is the average cost of a data breach in the United States.

[IBM, 2022](#)



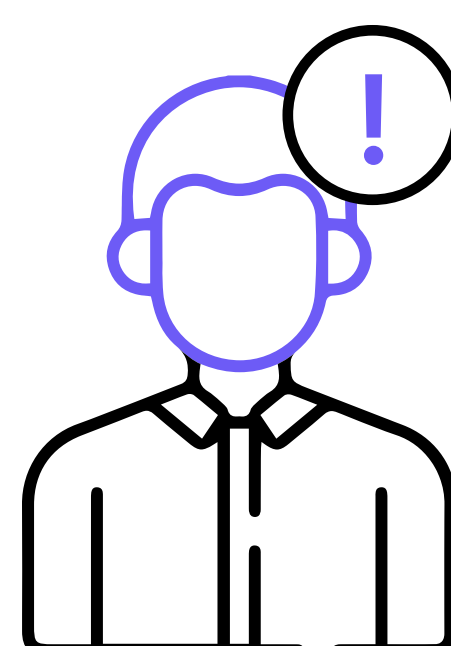
\$1.4M

is the average cost to remediate a ransomware attack.

[Sophos, 2022](#)

74%

of data breaches are caused by human error, a common threat vector.



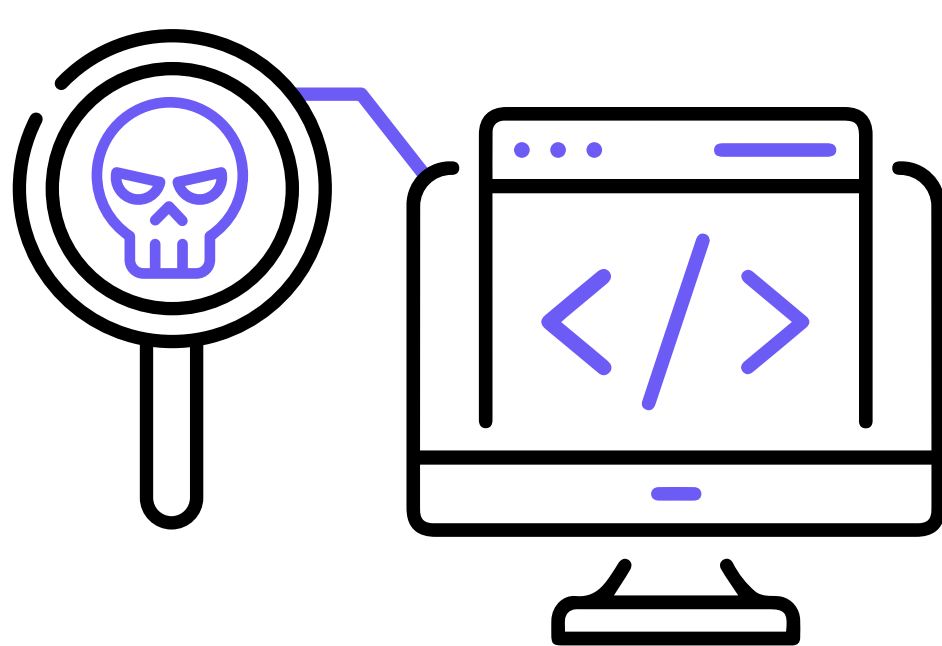
[Verizon, 2023](#)



VULNERABILITIES AND THE SOFTWARE SUPPLY CHAIN

25K

common vulnerabilities and exposures (CVEs) were recorded in 2022.

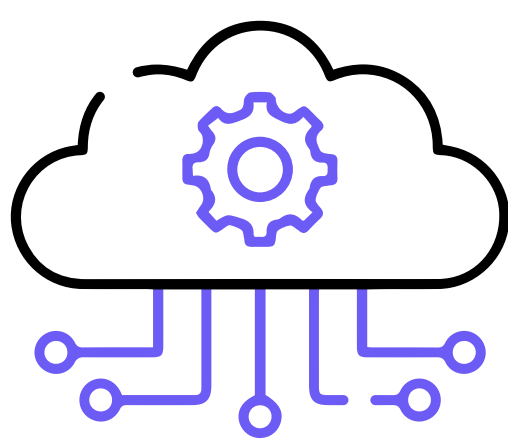


That's about

70

per day!

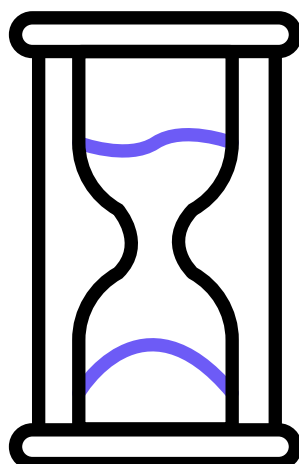
[CVE.org](#)



45%

of software supply chains will be attacked by 2025.

[Gartner, 2022](#)



It takes an average of

30 mins

to manually curate data for one CVE.

Anaconda internal data



Anaconda has built

1000s

of OSS packages from source for greater security.



100%

of Fortune-10 finance and technology companies use Anaconda.

Is your open-source pipeline secure?

Anaconda is your one-stop shop for trusted OSS packages. Leverage our expert-curated CVE data, policy filters, user access controls, software bills of materials (SBOMs), and enterprise-grade support to empower users and teams to securely innovate using open-source tools.

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