Foundations Considered Essential

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Executive Director, Eclipse Foundation
October 10, 2023

mikeal 👤 ✏️ 🔊

Apache considered harmful

Nov 22 2011

"Institutions will try to preserve the problem to which they are the solution." -- *Clay Shirky*

This is a hard article to write. The way I think about technology, open source, and community has been shaped by Apache and while I appreciate all they have done I no longer believe they embody the values they claim.

Start with the basics. Why does Apache exist?

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Start with the basics. Why does Apache exist?

So what is it that we do?

Our Mission

- Protect User Freedom
- Protect and Empower Developers
- Enable Collaboration

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Open Source Is About <u>User</u> Freedom

Freedom 0
-to **run** the program, for any purpose

Freedom 1
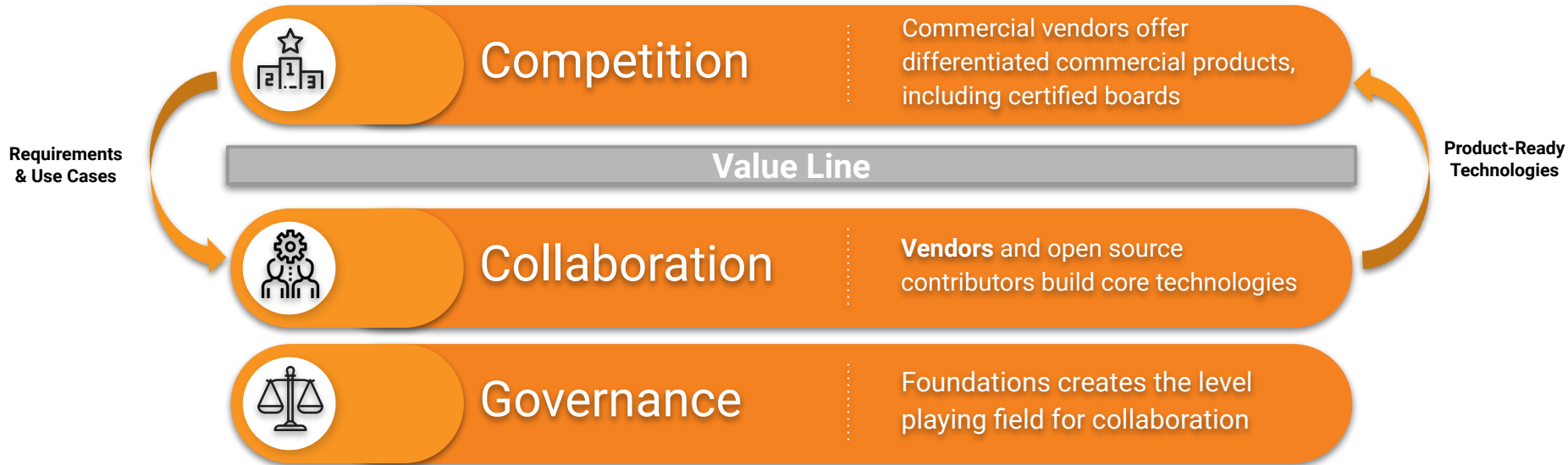-to **study** how the program works, and change it to make it do what you wish

Freedom 2
-to **redistribute** copies

Freedom 3
-to distribute copies of your **modified** versions to others

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Foundation Processes Create a Level Playing Field

Competition

Commercial vendors offer differentiated commercial products, including certified boards

Value Line

Collaboration

Vendors and open source contributors build core technologies

Governance

Foundations creates the level playing field for collaboration

Requirements & Use Cases

Product-Ready Technologies

Foundation Services

Collaboration Platform

Governance Platform

Infrastructure for Open Collaboration

Ecosystem Development

Community Governance & Processes

IP Management & Licensing

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Unique Core Competencies

Rich culture

of community wisdom

Proven

Project development & governance processes

Track Record

of nurturing thriving developer communities with audiences in the millions

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Challenges to the Open Source Community

User Freedoms

Sustainability

Security

Regulation

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Yes, open source licenses still matter!

Forbes

FORBES > INNOVATION > ENTERPRISE TECH

Launch Of OpenTofu Spells Trouble For HashiCorp

InfoWorld UNITED STATES ▼

The open source licensing war is over

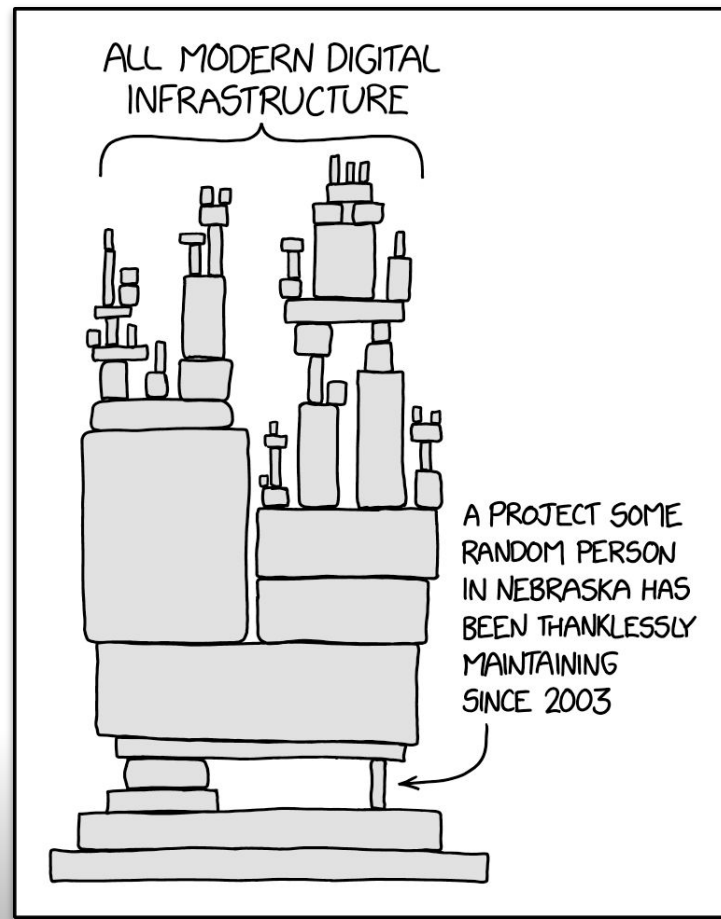It's time for the open source Rambos to stop fighting and agree that developers care more about software's access and ease of use than the purity of its license.

By Matt Asay

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User freedom is more than just licensing

- Trademarks
- Vendor-neutrality
- Nonprofit stewardship
- IP management

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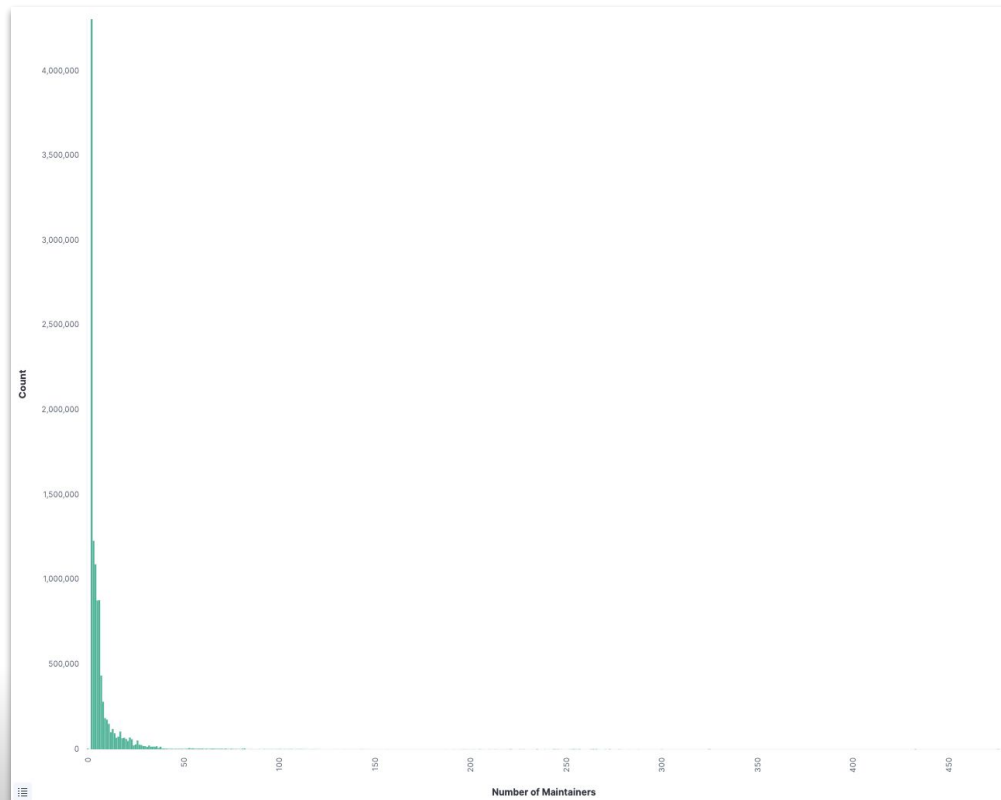# Dependencies

npm Dependency Maintainers
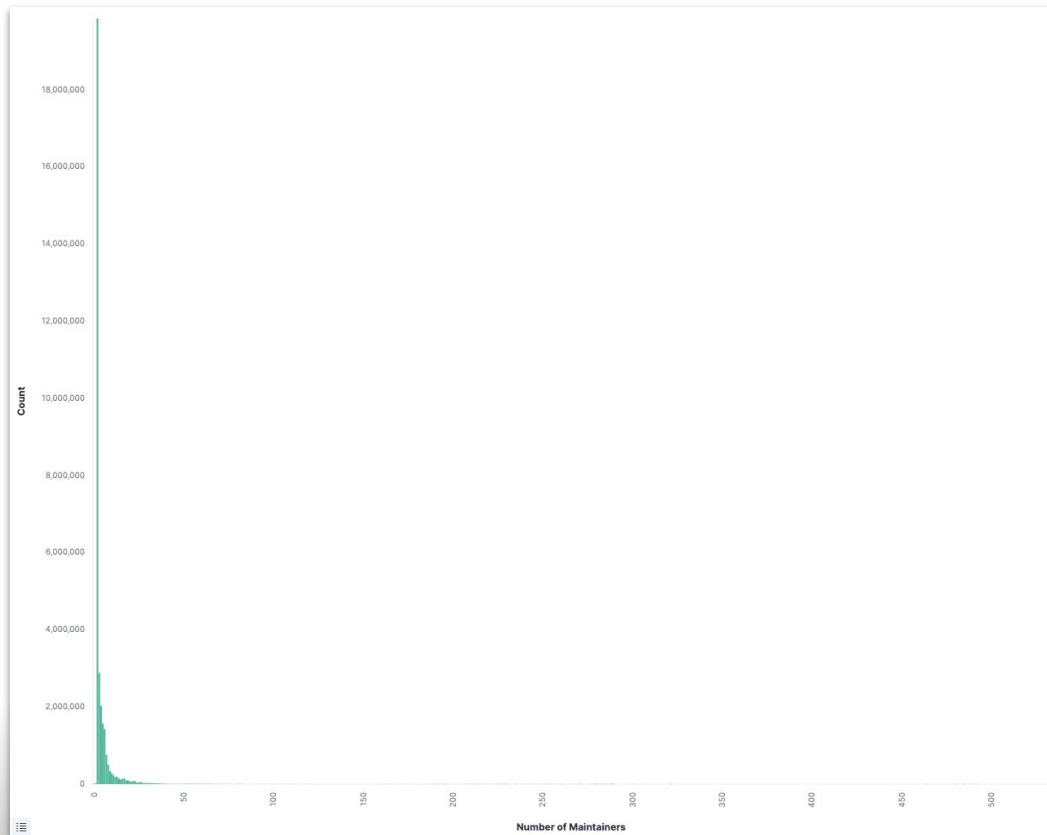
Source: https://anchore.com/blog/open-source-is-bigger-than-you-imagine/
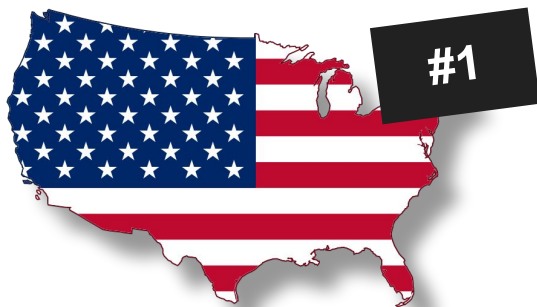
npm Dependency Maintainers (top 5%)

Foundations help make projects sustainable

- Community support
- Foundation support
- Resource recruitment
- Managed end of life

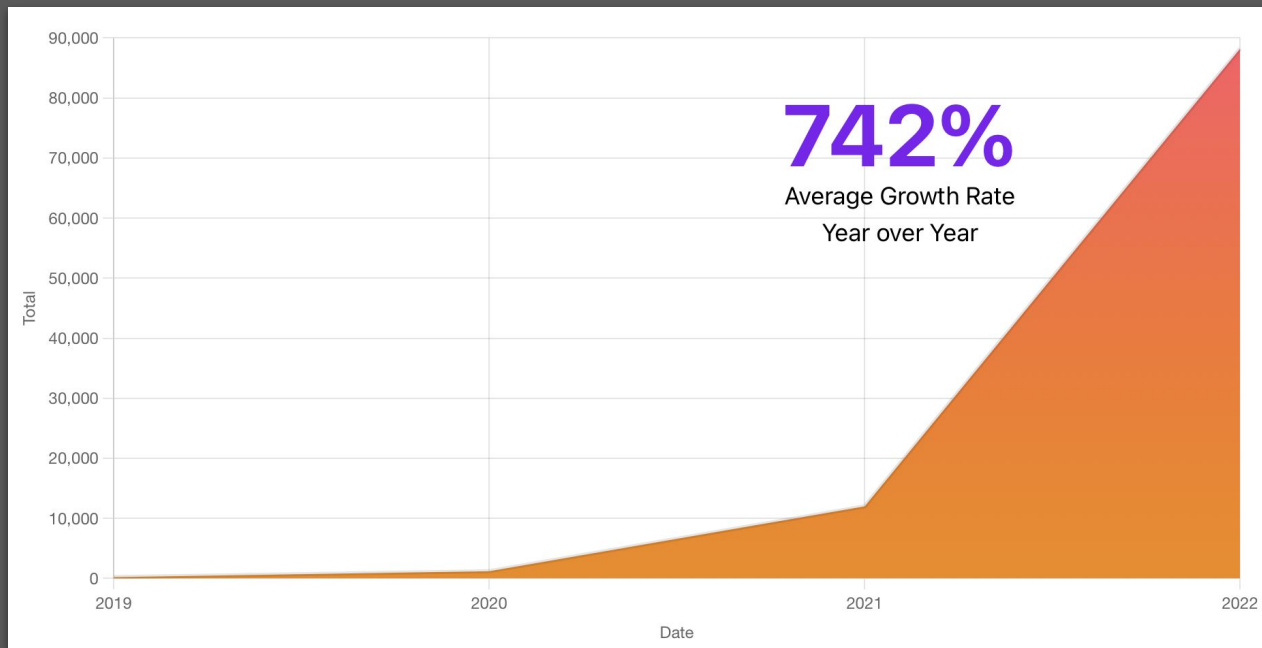ECLIPSE FOUNDATION

Cybercrime: World's 3rd Largest Economy

#1

#2

#3

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$10.5 Trillion in damages by 2025

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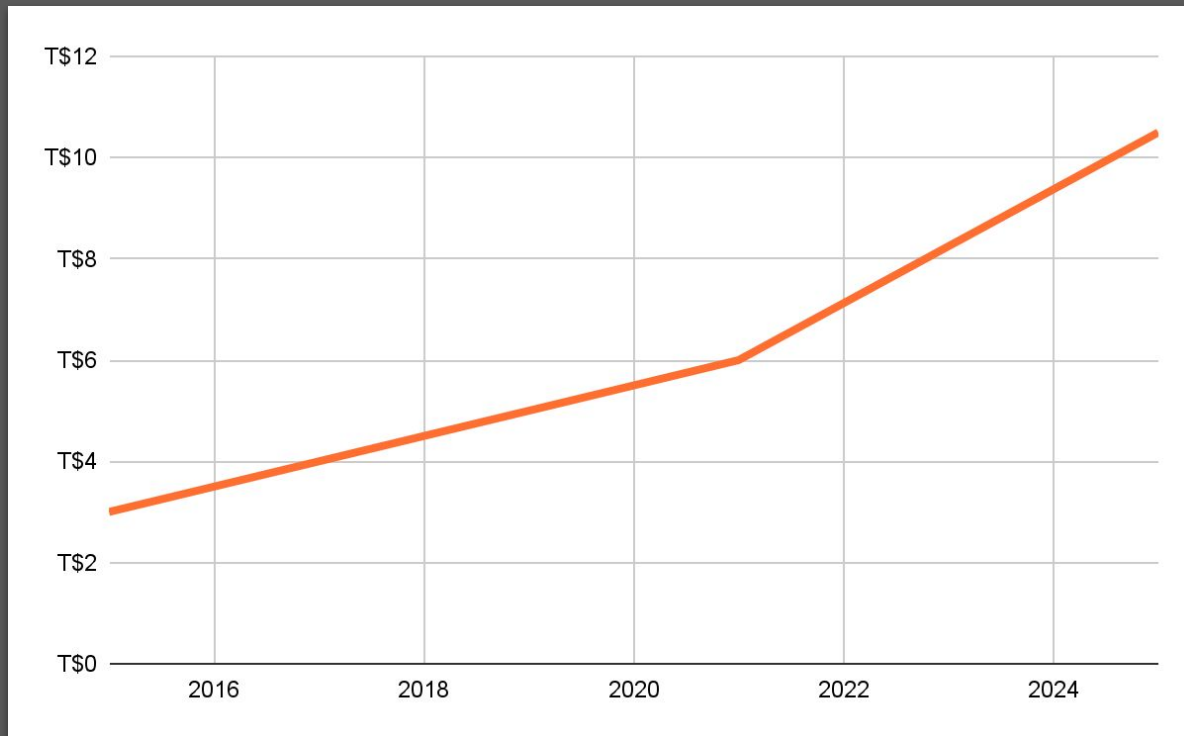
Software Supply Chain Attacks increase 742% in 3 years

Where are the Software Supply Chain Threats?
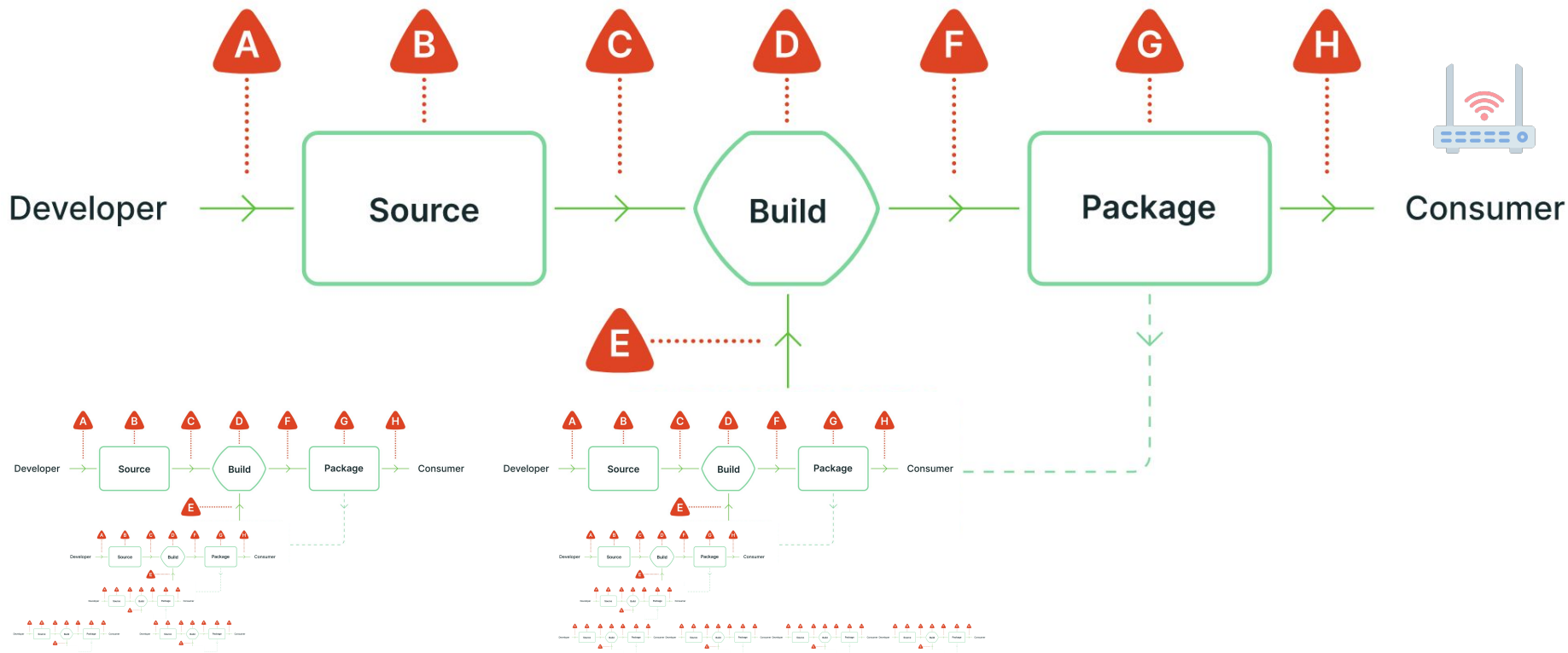
https://slsa.dev/

Collaboration Platform

Governance Platform

Infrastructure for Open Collaboration

Ecosystem Development

Community Governance & Processes

IP Management & Licensing

Supply Chain Security

Foundations support supply chain security

- Infrastructure support
- Staff resources
- Security audits
- Training
- Reporting and tracking

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Software ate the world…

…then open source gobbled up software

How Open Source Ate Software

Understand the Open Source Movement and So Much More

Gordon Haff

Apress®

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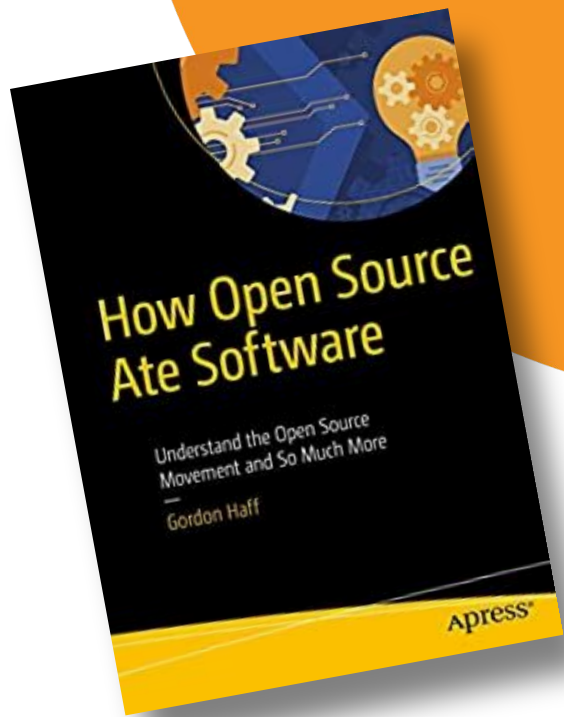
Be Careful What You Wish For....

With great power comes great responsibility

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Industry Regulation

THE WHITE HOUSE

MAY 12, 2021

Executive Order on Improving the Nation's Cybersecurity

BRIEFING ROOM   ▸   PRESIDENTIAL ACTIONS

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:

EU Cyber Resilience Act

For safer & more secure digital products

#DigitalEU #CyberSecEU

Calendar No. 677

117TH CONGRESS
2D SESSION

S. 4913

[Report No. 117–278]

To establish the duties of the Director of the Cybersecurity and Infrastructure Security Agency regarding open source software security, and for other purposes.

IN THE SENATE OF THE UNITED STATES

SEPTEMBER 21, 2022

Mr. PETERS (for himself and Mr. PORTMAN) introduced the following bill; which was read twice and referred to the Committee on Homeland Security and Governmental Affairs

DECEMBER 19, 2022

Reported by Mr. PETERS, with amendments

[Omit the part struck through and insert the part printed in italic]

A BILL

To establish the duties of the Director of the Cybersecurity and Infrastructure Security Agency regarding open source software security, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "Securing Open Source Software Act of 2022".

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US Strategy

*"Responsibility must be placed on the stakeholders most capable of taking action to prevent bad outcomes, not on the end-users that often bear the consequences of insecure software **nor on the open-source developer of a component that is integrated into a commercial product**."*

NATIONAL CYBERSECURITY STRATEGY

MARCH 2023

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EU Cyber Resilience Act

For safer & more secure digital products

#DigitalEU #CyberSecEU

Foundations represent our communities in policy making

- Trusted resource to policy makers
- Community mobilization
- Staff resources

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Foundations assist our communities in regulatory compliance

- Staff resources
- Policies and procedures
- Compliance and conformance
- Assumption of liability
- Insurance protection

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Challenges to the Open Source Community

User Freedoms
Foundations are the ultimate guarantors of user freedom by going beyond licensing

Sustainability
Foundations help developers deal with ever-expanding expectations

Security
Supply chain security is in everyone's interest

Regulation
Government regulation of the technology industry is coming, and open source will be impacted

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> *"Institutions will try to preserve the problem to which they are the solution."*
> **Clay Shirky**

- Protect User Freedom
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Thank you!

Questions?

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