upstream
A TIDELIFT EXPEDITION

Sustainability & Security: It’s time to connect the dots

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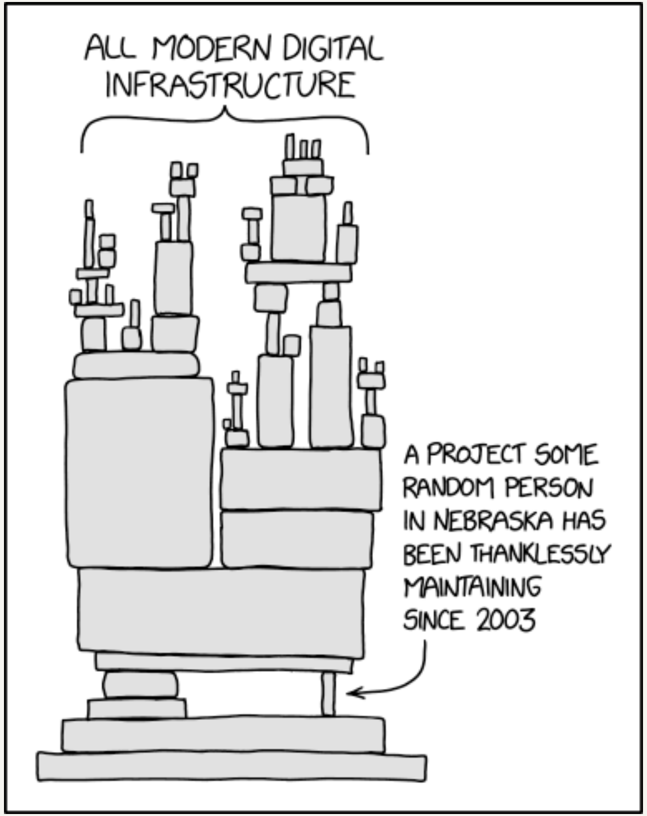
ALL MODERN DIGITAL INFRASTRUCTURE
A PROJECT SOME RANDOM PERSON IN NEBRASKA HAS BEEN THANKLESSLY MAINTAINING SINCE 2003

Image by XKCD, CC BY-NC 2.5.

CORE
INFRASTRUCTURE
INITIATIVE

🏭 INDUSTRY-WIDE EFFORT

Organized by the Linux Foundation. Backed by tech giants.

💰 MULTI-MILLION $ FUND

Administered by Linux Foundation and a steering group of industry experts.

🎯 GOAL

Harden the security of key open source projects.

👓 STRICT FOCUS ON “CORE INFRA”

The goal is to prevent a new Heartbleed. Not to make open source as a whole more sustainable.

🔁 CORE INFRA INITIATIVE 2.0

Still run by the Linux Foundation. OpenSSF is membership-driven, so more resourced and more sustainable.

🏆 WIDER SCOPE

10K projects + critical build tools & package managers. Training. Best practices.

🧭 NEW 10 POINT PLAN

- prevent security defects and vulnerabilities
- improve vulnerability discovery
- shorten ecosystem patching response time

CORE
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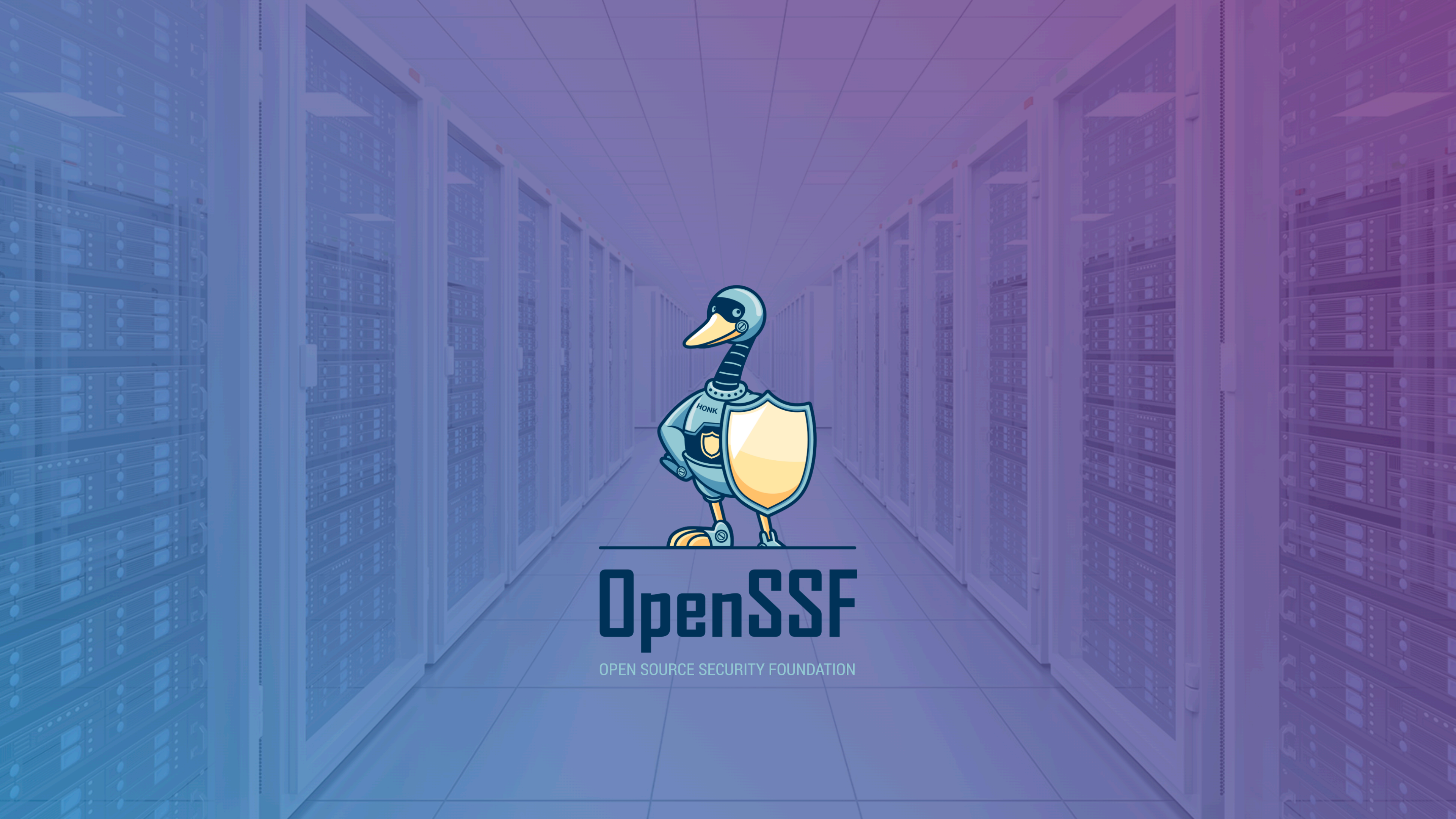
INITIATIVE



OpenSSF

OPEN SOURCE SECURITY FOUNDATION

The Heartbleed Bug

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Heartbleed bug impact

👩🏽‍⚕️ **4.5 MILLION**

The number of US patient records whose confidentiality was compromised.

💰 **$500 MILLION**

Estimated cost to the industry.

Pivotal moment where tech industry realizes open source is:

🌏 UBIQUITOUS

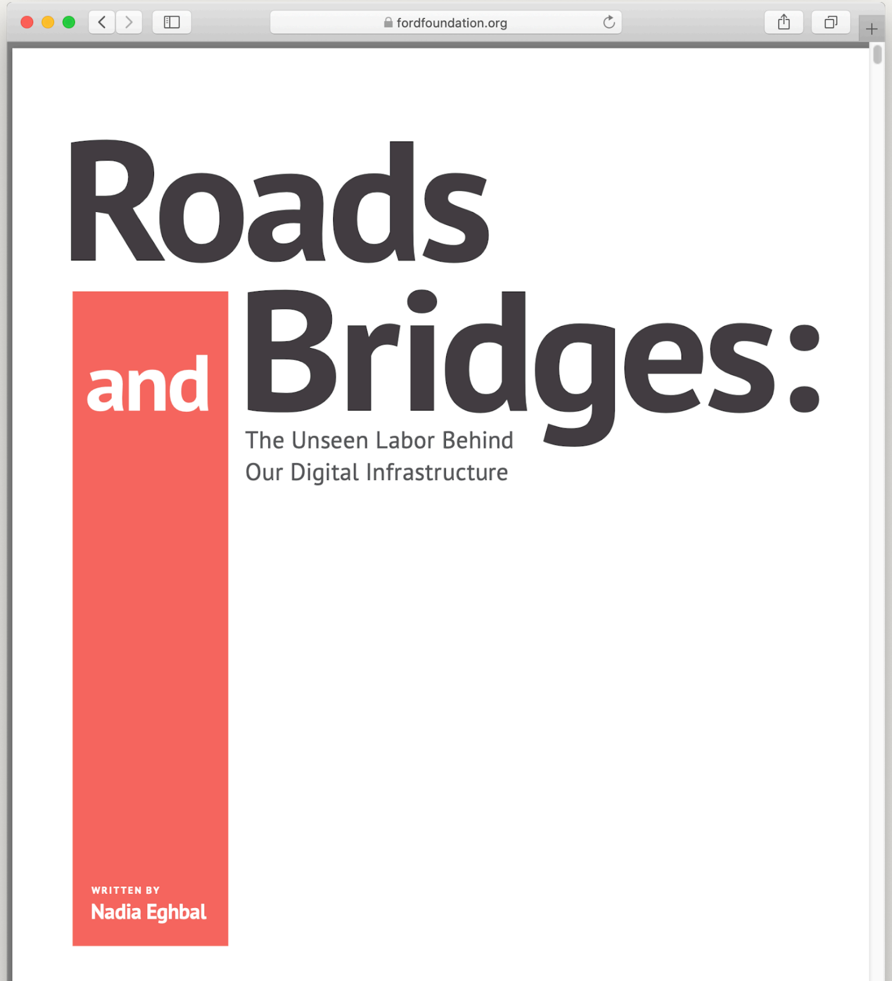
2/3 of active sites on the Internet rely on the OpenSSL library.

⚠️ CRITICAL

OpenSSL encrypts private communications, bank transactions, medical records, etc.

💸 UNDERFUNDED

Only 1 full-time maintainer, shoestring budget ($2k/year).



Roads and Bridges:

The Unseen Labor Behind Our Digital Infrastructure

WRITTEN BY
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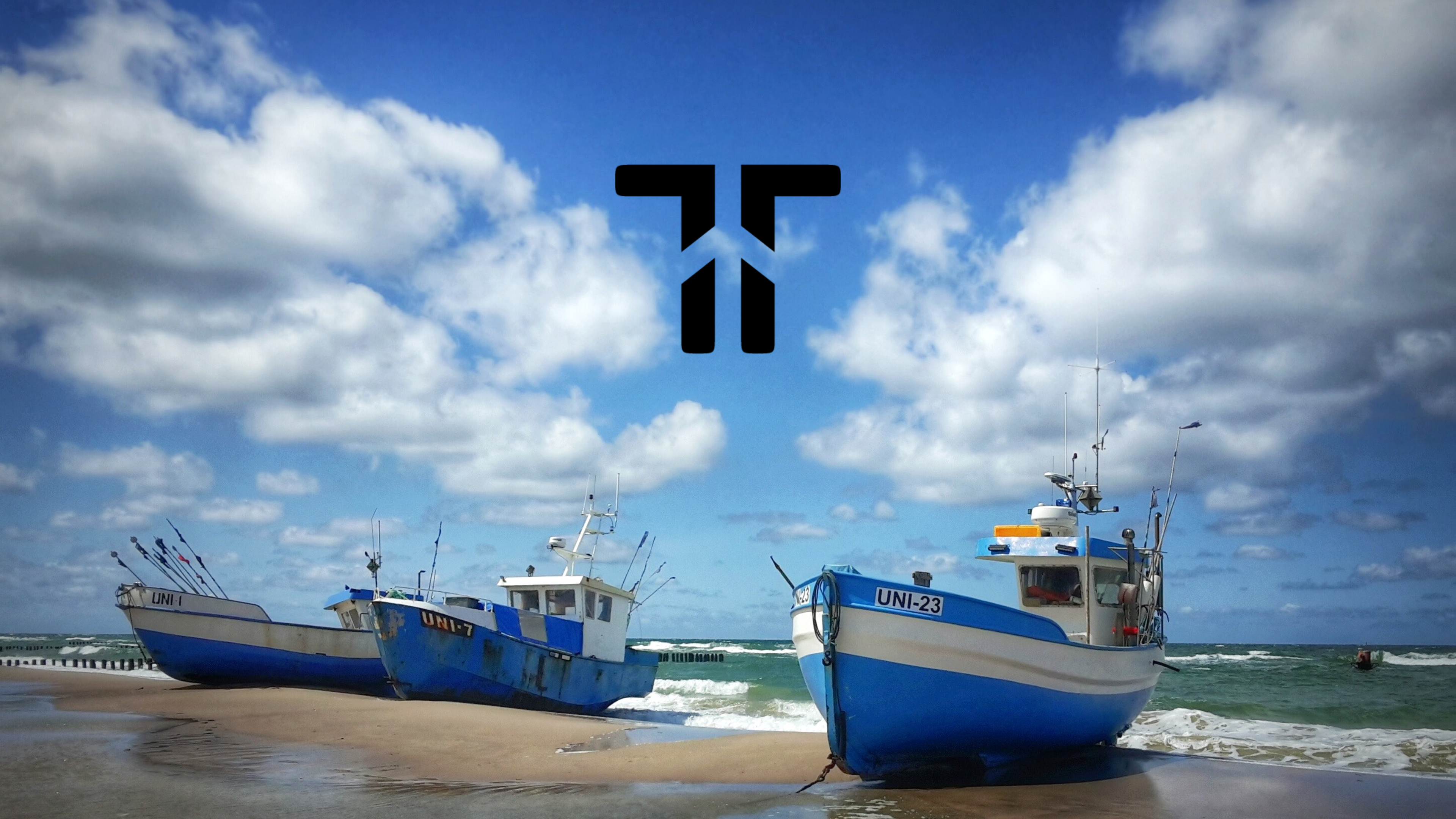
Towards a sustainable solution to open source sustainability

Tobie Langel, Principal, UnlockOpen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TIDELIFT

🛥️ WHAT IS IT?

Red Hat business model for the long tail.

🛎️ SERVICES

Provides security updates, maintenance, and legal assurances for all open source projects in an organization’s stack.

👨🏾‍💻 HOW?

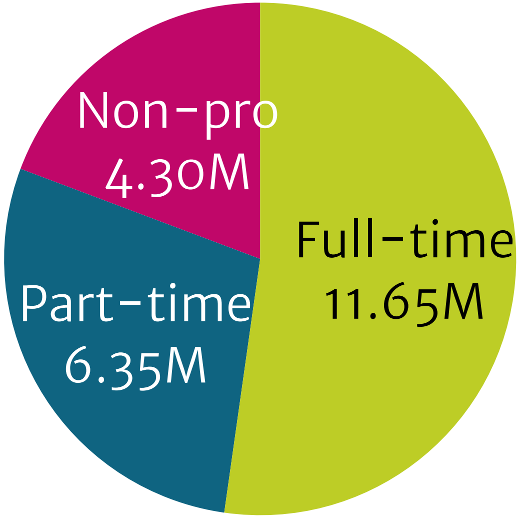
By paying the actual maintainers to do the work.

🏆 SUCCESS STORY

None yet. Still too early.

Photo by Parihav, CC BY-SA 3.0.

Worldwide developer population



Quick back of the envelope math:

12M FT devs x $65K = $780B

+ 6M PT devs x $35K = $210B

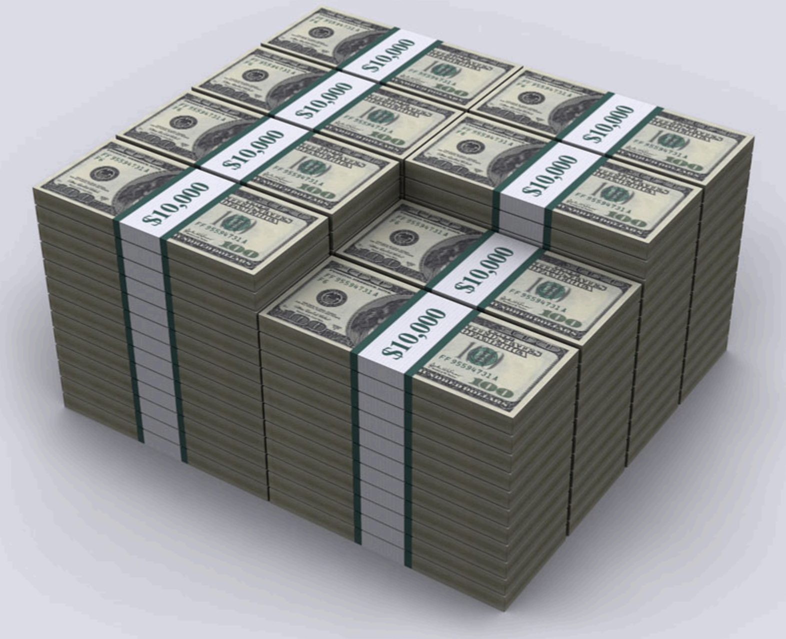
~= 1 trillion dollars

Source: IDC, , 2018.

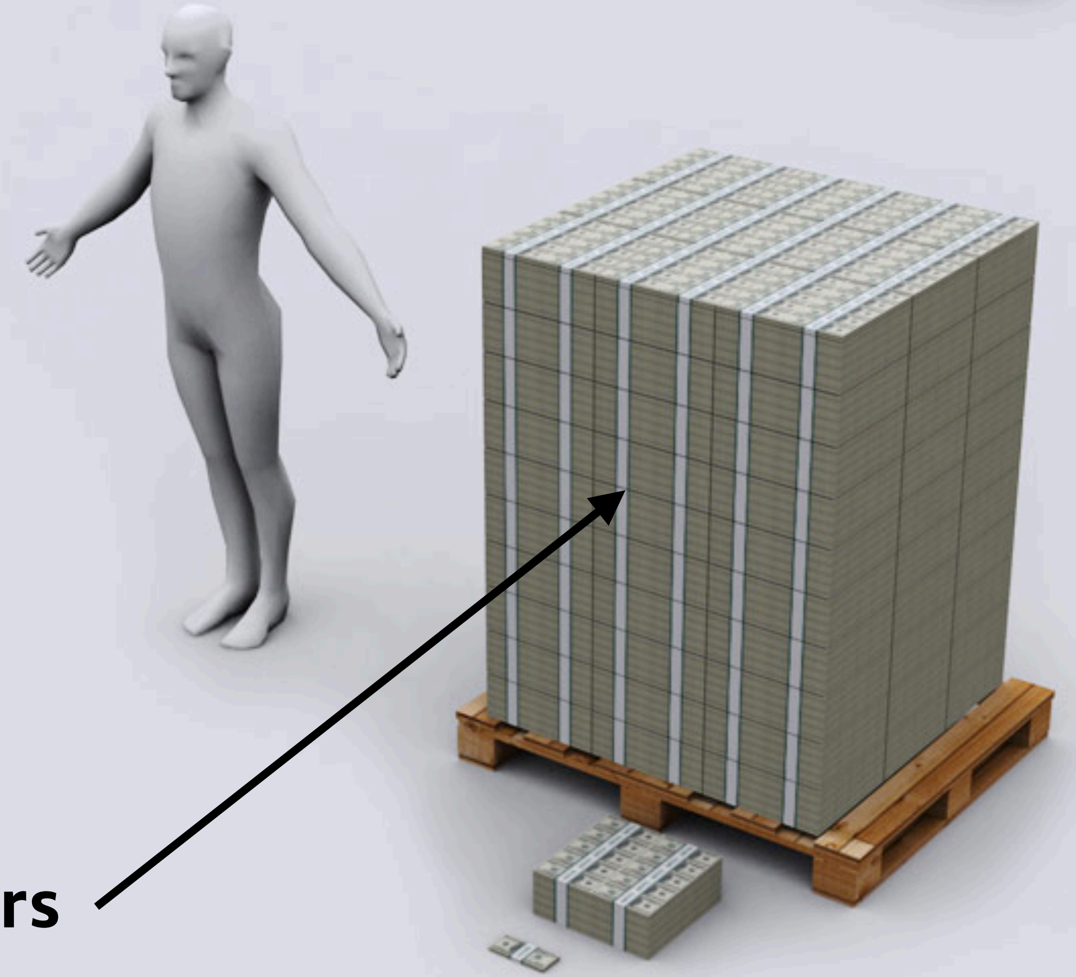
FEDERAL RESERVE NOTE
FF 95594731 A
F6
THE UNITED STATES OF AMERICA
100
ONE HUNDRED DOLLARS

$100

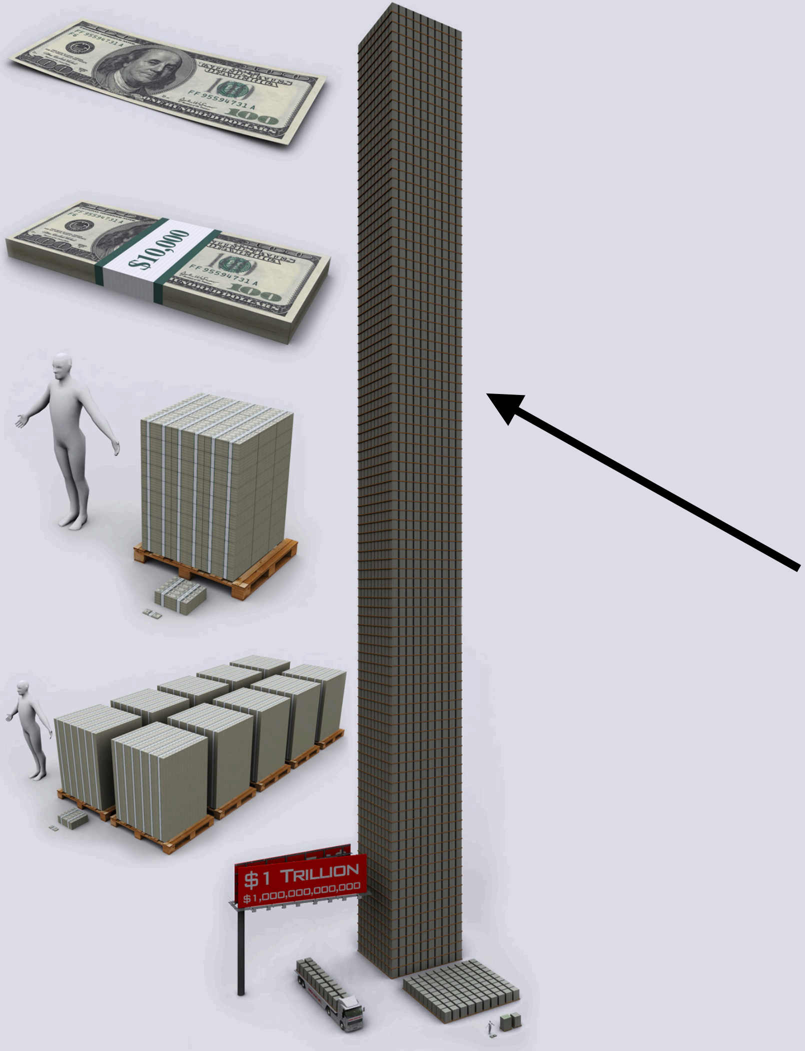
$10,000



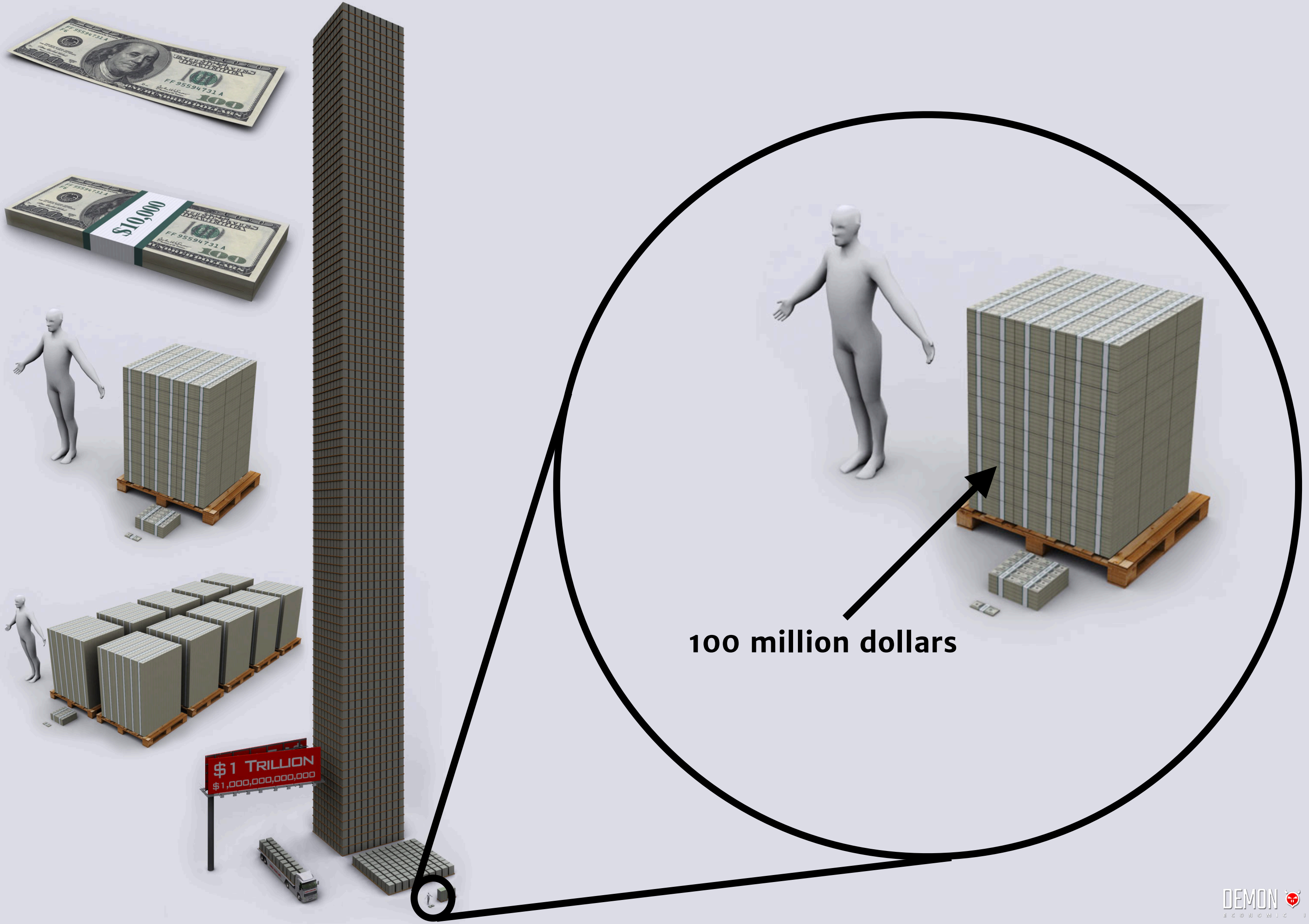
1 million dollars



100 million dollars

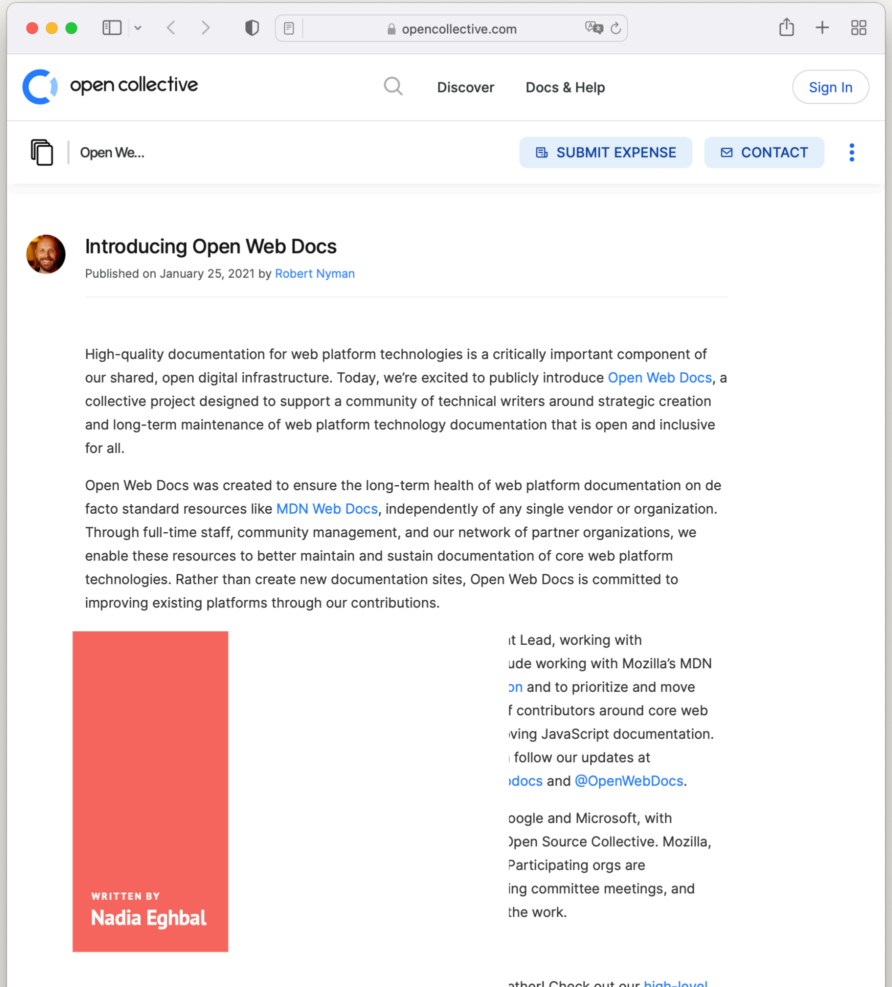


1 trillion dollars



100 million dollars

DEMONOCRACY.INFO
ECONOMIC INFO GRAPHICS



Introducing Open Web Docs

Published on January 25, 2021 by Robert Nyman

High-quality documentation for web platform technologies is a critically important component of our shared, open digital infrastructure. Today, we're excited to publicly introduce Open Web Docs, a collective project designed to support a community of technical writers around strategic creation and long-term maintenance of web platform technology documentation that is open and inclusive for all.

Open Web Docs was created to ensure the long-term health of web platform documentation on de facto standard resources like MDN Web Docs, independently of any single vendor or organization. Through full-time staff, community management, and our network of partner organizations, we enable these resources to better maintain and sustain documentation of core web platform technologies. Rather than create new documentation sites, Open Web Docs is committed to improving existing platforms through our contributions.

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ving JavaScript documentation.
ı follow our updates at
ɔdocs and @OpenWebDocs.

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Participating orgs are
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the work.

ather! Check out our high-level

Development Made Easy: HubSpot Design Tools
Shelley Heath
INCREASE & CONVERT YOUR
LA NUIT PORTE CONSEIL

Thank you !

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