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Red Hat Dallas Emerging Tech Summit
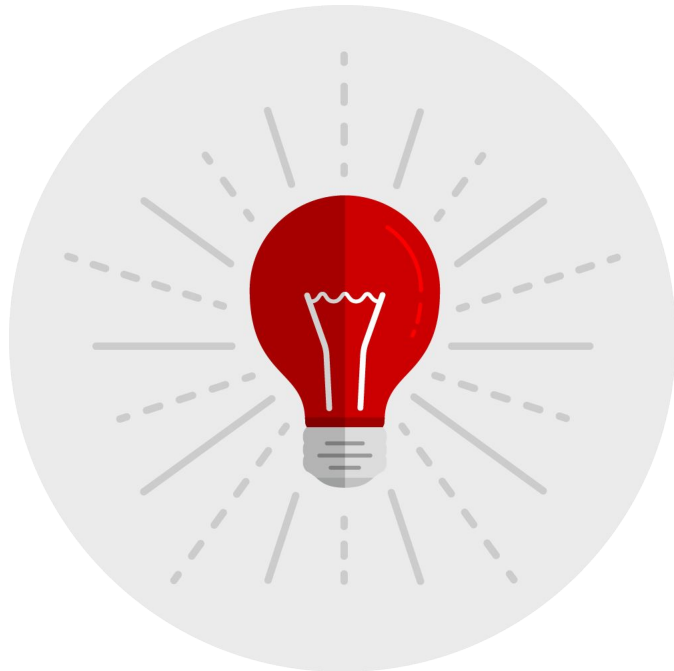
December 5, 2019

Community & the Future of Open Source

Deborah Bryant
Sr. Director, Open Source Program Office

Here's how Red Hat derives value from open source (and so can you).

Community growth
Strong communities keep our product lines stable.

Community participation
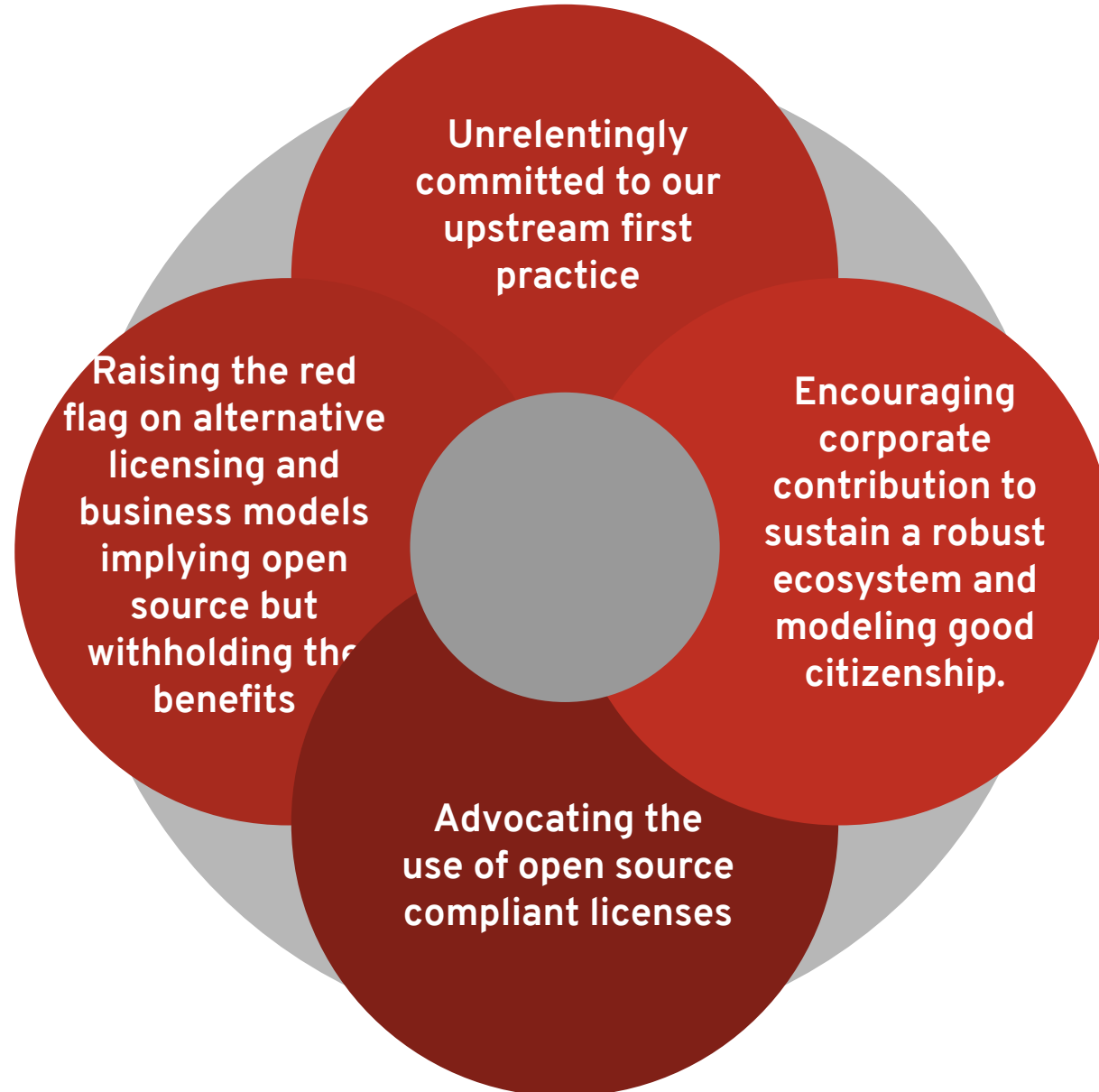We help make it, so we can support it.

Diverse innovation
Broad set of global talent sparks immense creativity.

Rapid development cycles
Communities can support faster cadences.
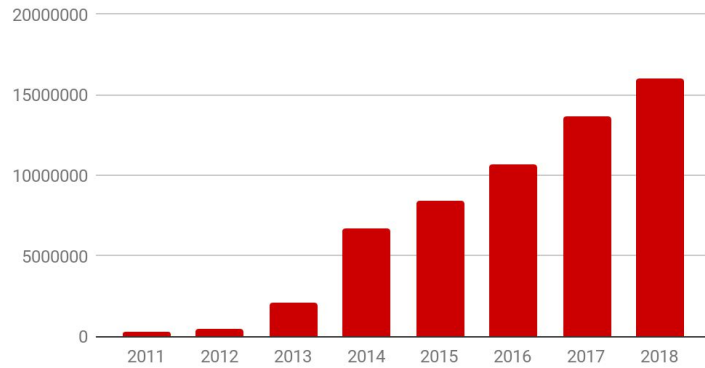
Red Hat Community Stewardship

Unrelentingly committed to our upstream first practice

Raising the red flag on alternative licensing and business models implying open source but withholding the benefits

Encouraging corporate contribution to sustain a robust ecosystem and modeling good citizenship.

Advocating the use of open source compliant licenses

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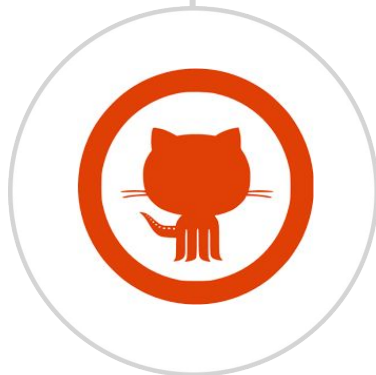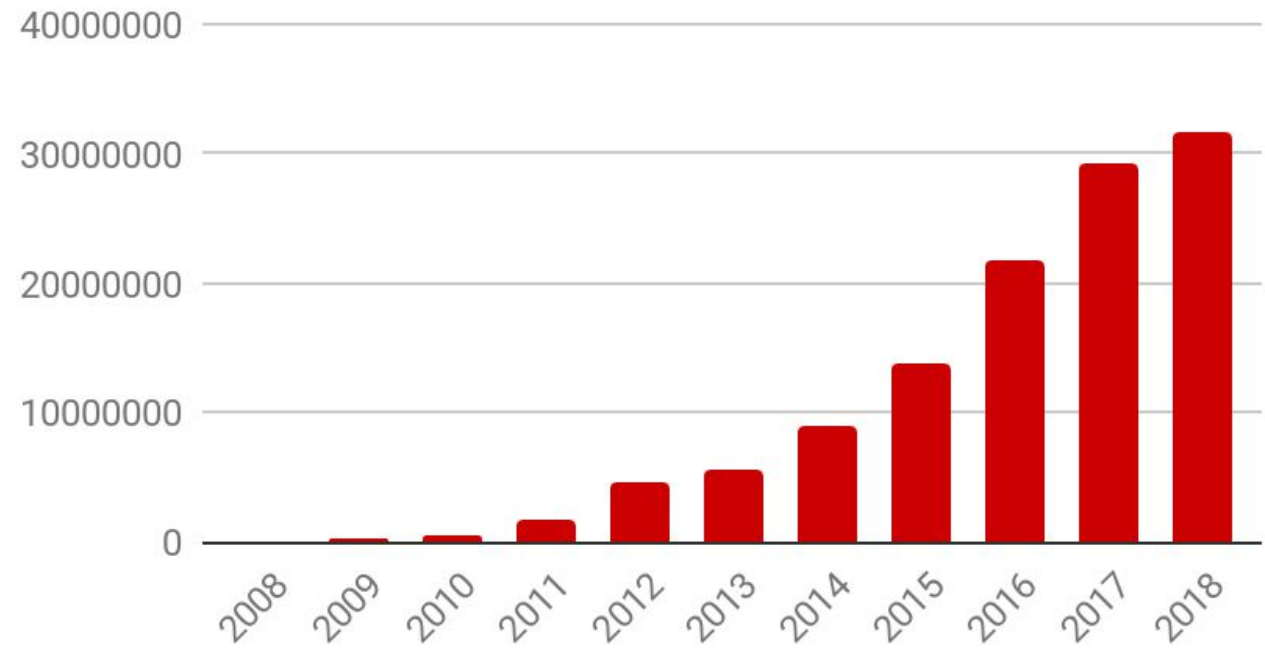# **Trend one:** Projects and Infrastructure Growth

Software Development in the Open

Open Source through the Lens of GitHub

Total Active Issues

Total Active Repositories

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The Rise of Open Source Software Foundations

Legend: Dissolved (red), Foundations (blue)

Source:
Foundations public web sites
Wikipedia
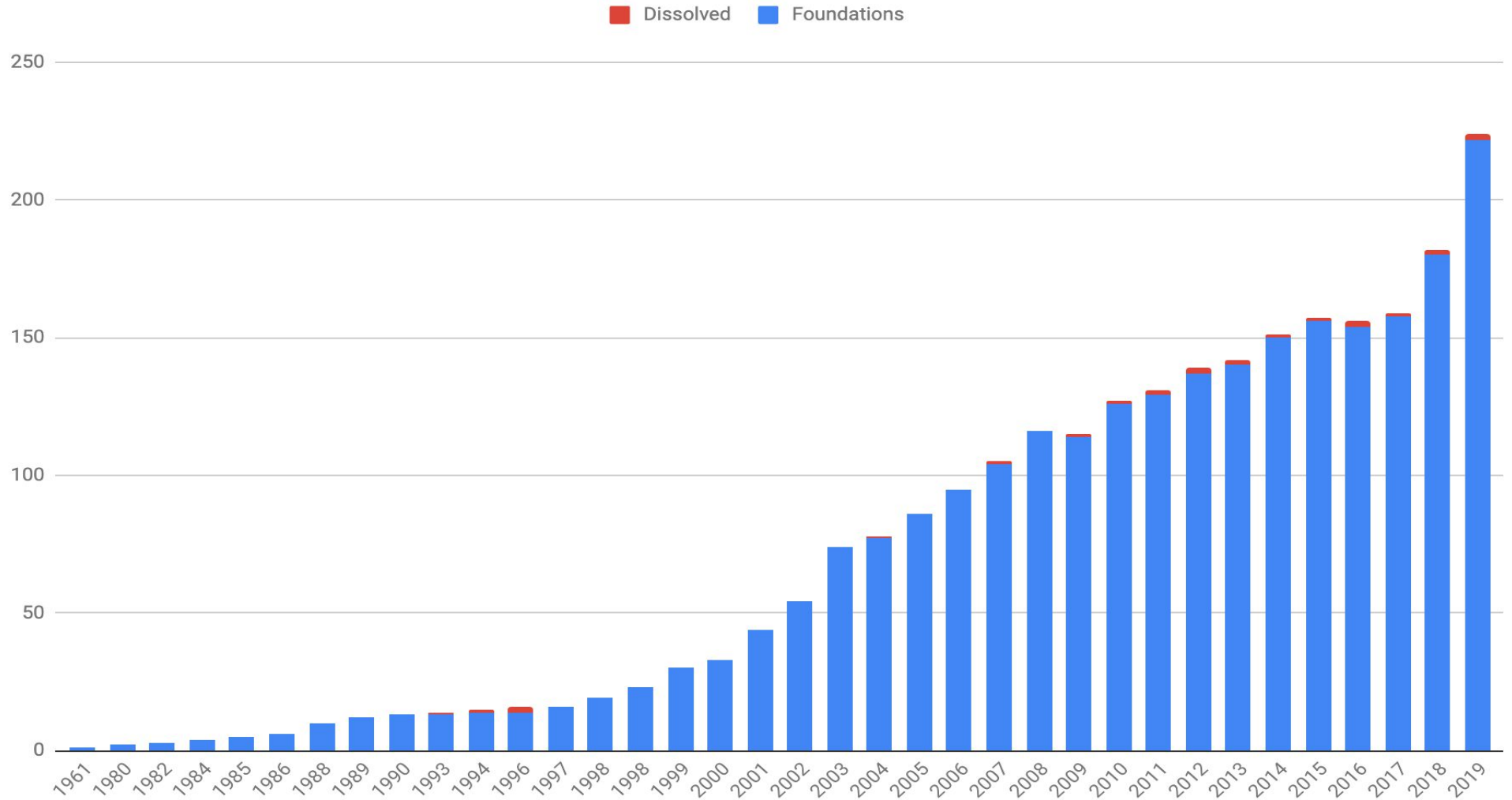
Red Hat Foundation Memberships Continue to Grow

Red Hat Memberships FY15-FY20

Fiscal Year
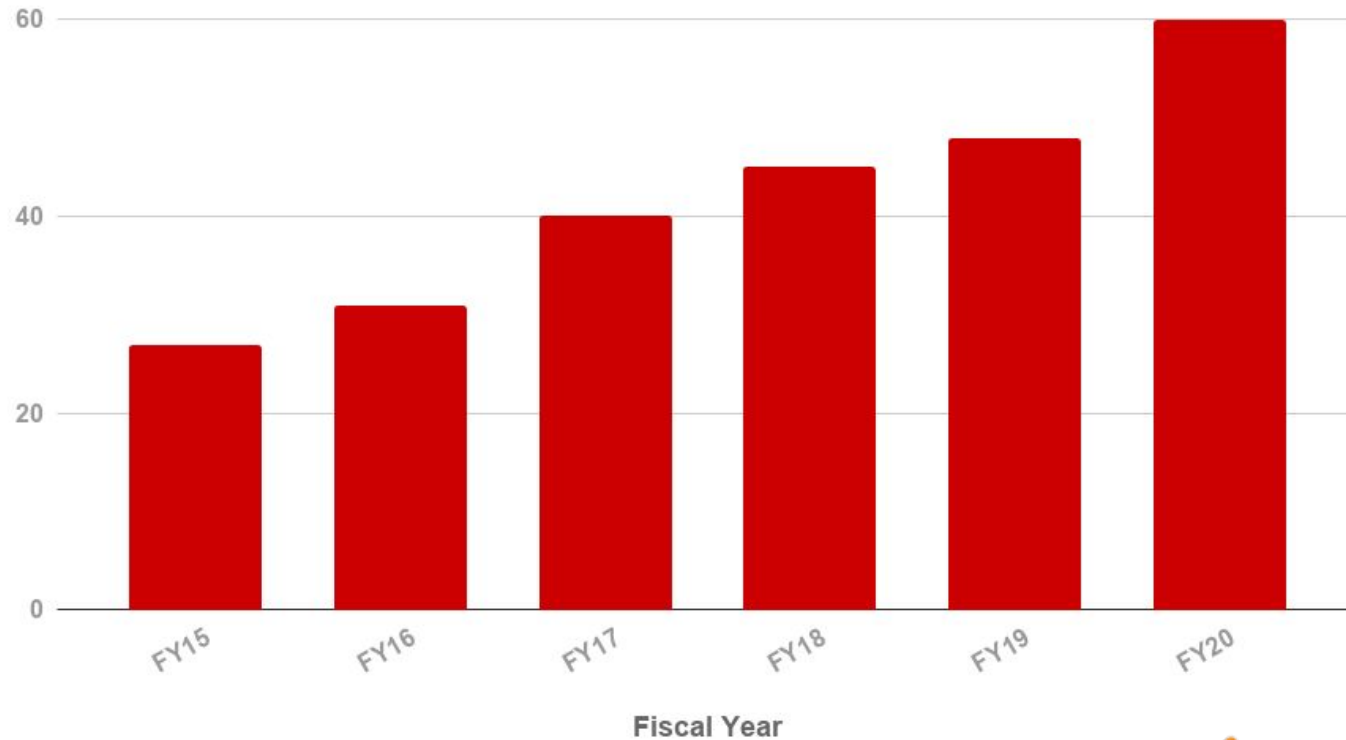
Trend two: Building organizational competencies

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InnerSource is the use of open source software development best practices and the establishment of an open source-like culture within organizations.

The organization may still develop proprietary software, but internally opens up its development.
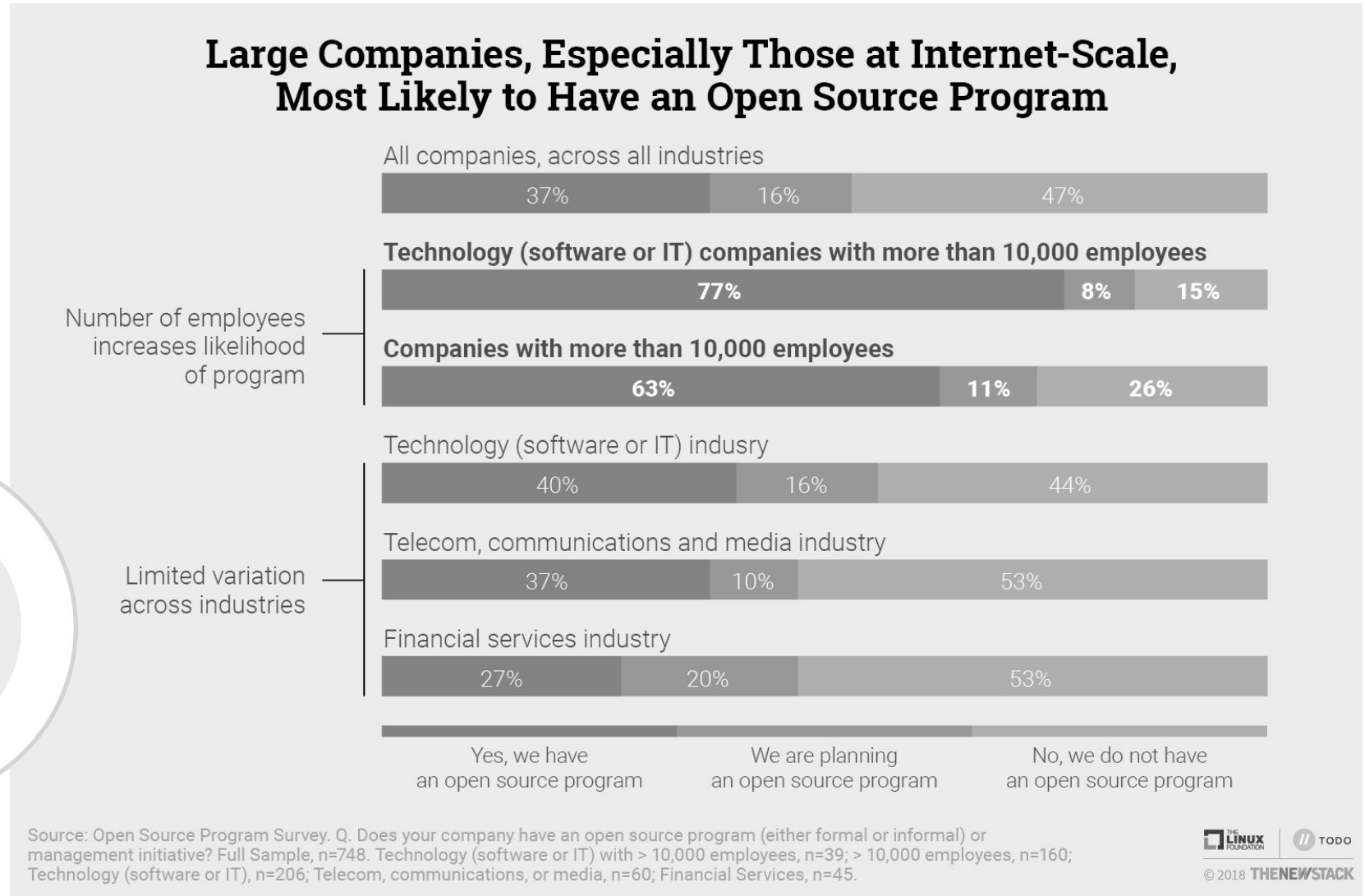
The term was coined in 2000.

- Within the safety of company firewalls; the benefit of experimenting with open culture and software development practices.
- An effective approach to building organizational capacity
- Positive impact on company culture
- Opportunity to evaluate open source development
- May serve as a bridge to full open source

Corporations are Formalizing their Practice

"Open Source Programs Are a Best Practice Among Large Companies"

-   The New Stack

Large Companies, Especially Those at Internet-Scale, Most Likely to Have an Open Source Program

	Yes, we have an open source program	We are planning an open source program	No, we do not have an open source program
All companies, across all industries	37%	16%	47%
Technology (software or IT) companies with more than 10,000 employees	77%	8%	15%
Companies with more than 10,000 employees	63%	11%	26%
Technology (software or IT) indusry	40%	16%	44%
Telecom, communications and media industry	37%	10%	53%
Financial services industry	27%	20%	53%

Number of employees increases likelihood of program

Limited variation across industries

Source: Open Source Program Survey. Q. Does your company have an open source program (either formal or informal) or management initiative? Full Sample, n=748. Technology (software or IT) with > 10,000 employees, n=39; > 10,000 employees, n=160; Technology (software or IT), n=206; Telecom, communications, or media, n=60; Financial Services, n=45.

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Source:
Linux Foundation
Open Source Program Office Survey

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Trend three: Deeper customer engagement in upstream projects

Build/Buy/Both

Deepening the rewards from open source via direct participation

Rapport and credibility: Working on open source projects attracts top notch talent.

Influence: Working in the upstream markedly increases the opportunity to influence project features important to an organization.

Depth of understanding of technology: Invaluable insight and access to the community of developers producing the software delivers clear benefits.

Sustained technology lifecycle: Contributions help ensure the viability of the project the company depends upon.

- Red Hat OpenShift customer
- Ambitious innovation goals
- Dev-Ops at company cadence
- Innovated in OpenShift Origin
- Deployed on OpenShift

Case Study: Amadeus innovates customer service with Red Hat

Business Challenge: Amadeus, a travel technology company, needed a state-of-the-art platform to the increasingly complex demands of their customers; for an on-site solution that mitigated security risks and could meet diverse regulatory requirements.

Solution: Amadeus' team worked with the OpenShift and Red Hat Enterprise Linux engineering teams to create a private cloud-based application platform, to the specifications of a unique travel industry customer.

Related projects: The joint effort resulted in projects focused on orchestrating middleware, monitoring the platform, and creating an engaging developer experience.

Outcomes:
- Decreased system latency and improved platform availability
- Streamlined operations through automation
- Reduced time to market for new applications
- Results: open source and the global future

How Can Red Hat Help?

- Where does your company see benefit from participating in upstream projects?

- Where can we partner to make you successful?

- How can we help get you started?

Thank you

Red Hat's Open Source Program Office is passionate about, and dedicated to, providing business-useful insights into community management and success for our fellow Red Hat associates and the entire open source ecosystem.

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