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Photo: Dix can

Making the business case for contributing to open source



OF APPS CONTAIN OPEN SOURCE COMPONENTS 5790 OF CODEBASE IS OPEN SOURCE

Source: Black Duck 2018 OSSRA

And yet...

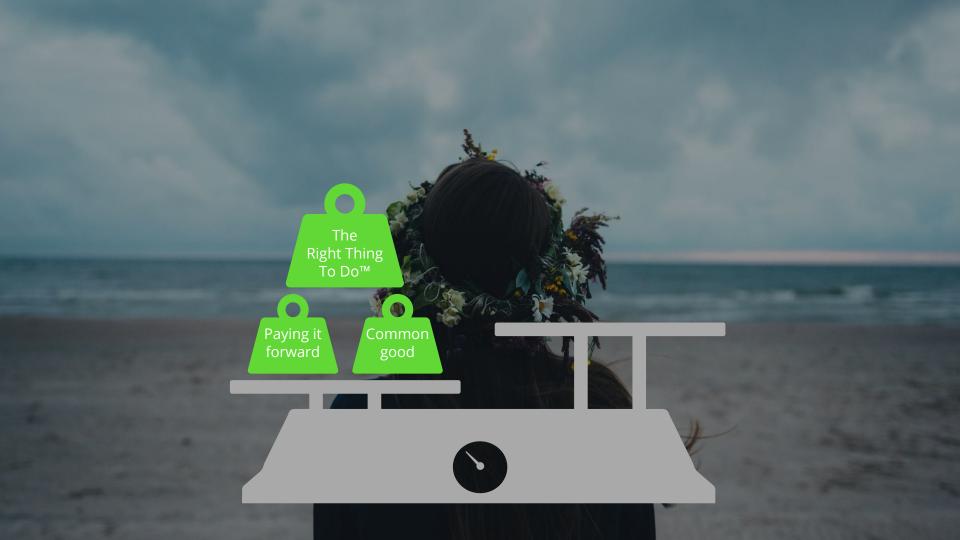
...few companies contribute back.

Why should companies *contribute* to open source?

Common good The Right Thing To Do™



Etc.





The **ROI** of *using* open source is well understood.

The **ROI** of *contributing* to open source: not so much.



The **risk** of *contributing* to open source is:

- not well understood,
- generally exaggerated.

Understanding the value of contributing to open source

- 1. Strategic benefits
- 2. Operational benefits
- 3. Second-order benefits

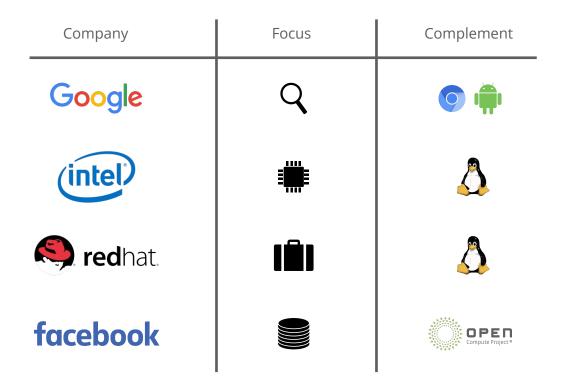


Understanding the value of contributing to open source

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Commoditize Your Complement





On-ramp developers

41

Understanding the value of contributing to open source

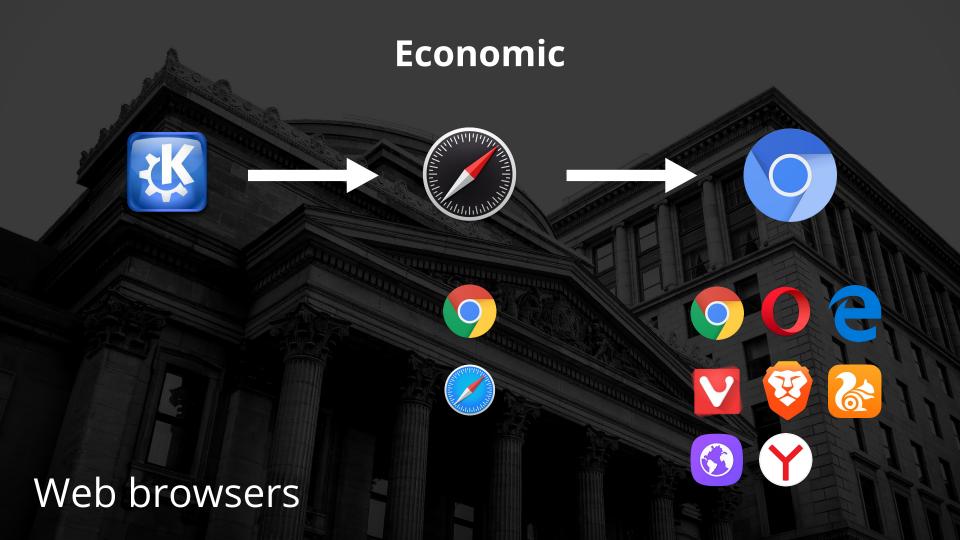
- 1. Strategic benefits
- 2. Operational benefits
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Payback Technical Debt

Seile

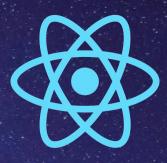
L9-10



Leverage external contributions



React Router



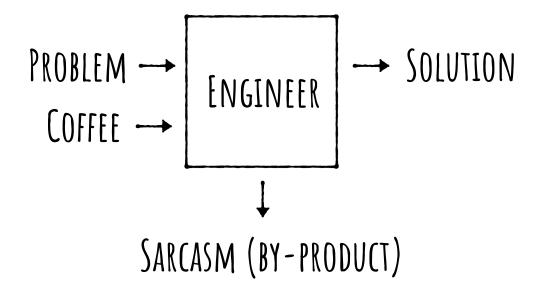
Redux

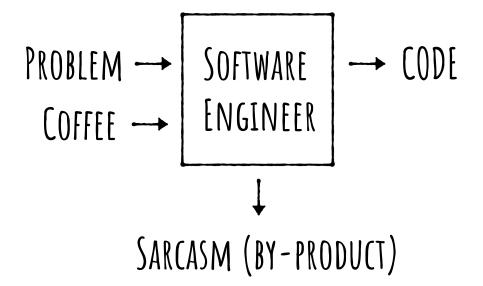
React Ecosystem

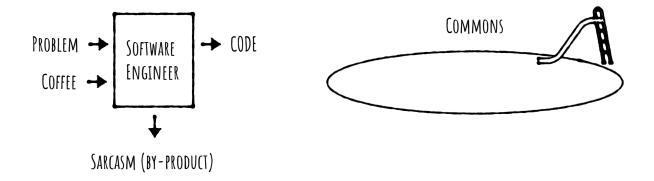
Understanding the value of contributing to open source

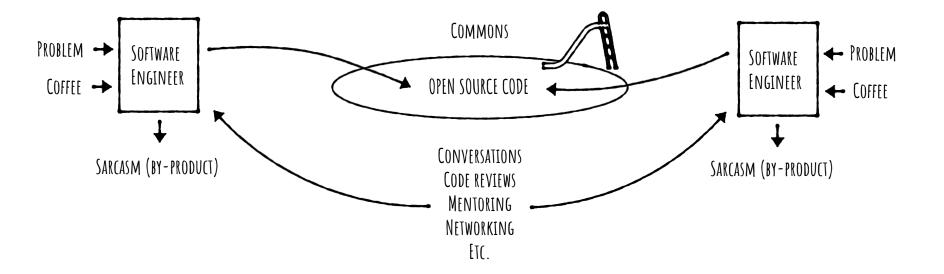
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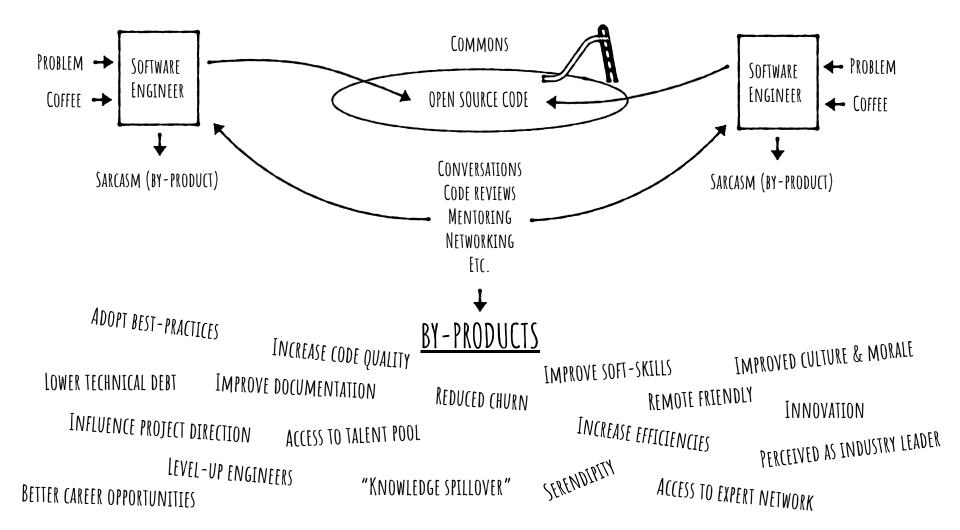














IMPROVE DOCUMENTATION INCREASE CODE QUALITY LOWER TECHNICAL DEBT INFLUENCE PROJECT DIRECTION

PROJECT

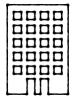
LEVEL-UP ENGINEERS ADOPT BEST-PRACTICES IMPROVE SOFT-SKILLS ACCESS TO EXPERT NETWORK BETTER CAREER OPPORTUNITIES

INDIVIDUAL

INCREASE EFFICIENCIES SERENDIPITY INNOVATION "Knowledge spillover"

TEAM

ORGANIZATION



IMPROVED CULTURE & MORALE PERCEIVED AS INDUSTRY LEADER ACCESS TO TALENT POOL REMOTE FRIENDLY REDUCED CHURN

$2 \times$

TWICE AS EFFICIENT

Contributing firms capture up to 100% more productive value from usage of open source than their free-riding peers.



Source: Franck Nagle, <u>Learning by Contributing</u>, 2017.



75% of facebook's new engineering recruits mention facebook's open source program as a key reason they accepted their offer as a key reason they accepted their offer





"But we also noticed some effect that we didn't expect. All the public visibility [sponsoring Webpack] have given us lead to a situation where we suddenly became one of the most interesting companies to work for as a JavaScript developer. [...]"

"We've hired a lot of really great engineers who mentioned during their job interview that our sponsoring for Webpack was one of their primary motivations for applying, [...]"

> —Patrick Gotthardt, Lead JavaScript Architect, Trivago, <u>9 July 2018</u>.





Mitigate the risk of contributing to open source

Lost competitive advantage

"I skate to where the puck is going to be, not to where it has been."

–Wayne Gretzky





"In today's world of fast-paced internet services deployment, owning IP has become considerably less important than turning research results into innovative products as quickly as possible, and deploying them at scale."

-Yann LeCun, Business Insider, Aug. 3, 2018.





Wasted resources



Lack know-how







Now it's your turn!



Now it's your turn!

- Framework to think in terms of business tradeoffs.
- A toolkit of benefits and mitigation strategies.
- See how it applies to **your** organization.



Now it's your turn!

- Be reasonable.
- Show empathy to others' needs in the organization.
- Aim for small wins. Start small.
- Remember it's a mindset shift.



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Thank you!

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