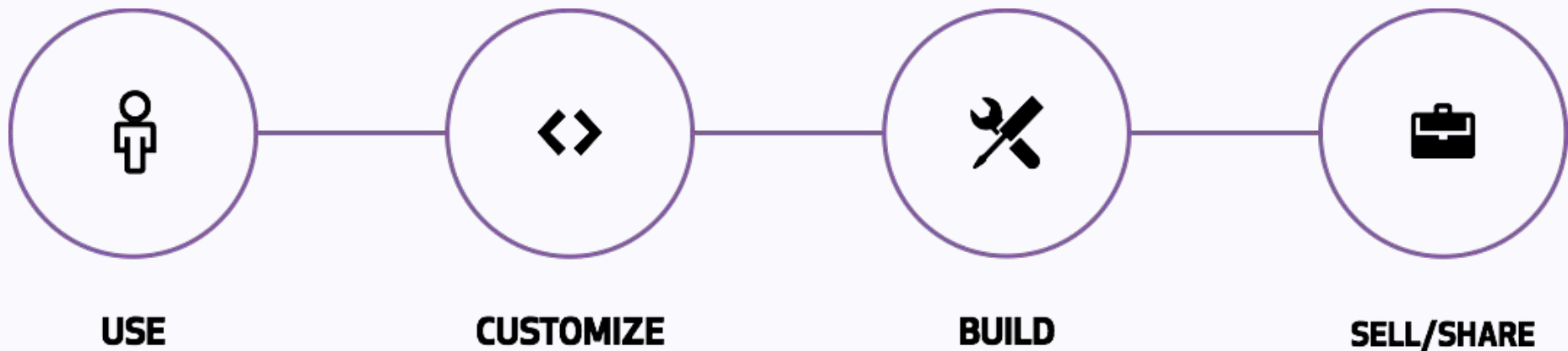




InnerSource

Modern Software Development

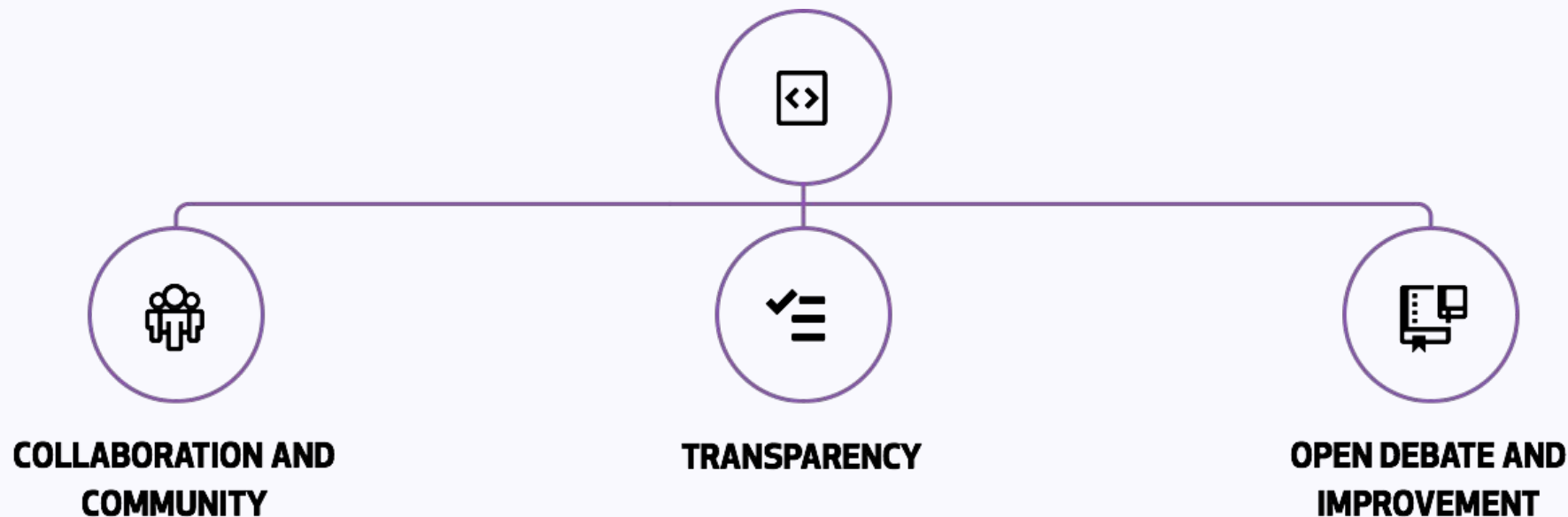
All businesses will evolve into software businesses



How will software be built in the future?



InnerSource: The power of open source within the 4 walls of the enterprise.



Why do PayPal, Spotify, Scania and IBM use InnerSource?



SPEED

ReUse, Continuous Integration, Async Communication



QUALITY

“Given enough eyeballs, all bugs are shallow.” — Linus Torvalds

A successful InnerSource community is enabled by participation in open source



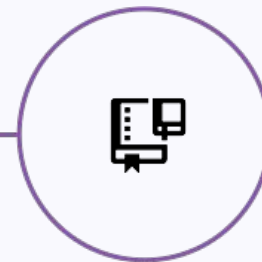
Participation in open source gives the business the opportunity to:



**HIRE GREAT
DEVELOPERS**



**SHOWCASE TECHNICAL
DEPTH AND PRIORITIES**



**DELIVER SOFTWARE AT A
LOWER COST AND WITH HIGHER
QUALITY**

What are the core tenets of InnerSource?



- Every-one is expected to con-tribute and participate in reviews and mentoring
- Con-tri-bu-tions are judged based on their mer-its
- All deci-sions are dis-cussed pub-licly, stored indefinitely, and can be searched
- Code and commentary are widely available
- Autonomous orga-ni-za-tion of teams, self organizing and alignment

Requirements for a successful InnerSource program

1. Open and transparent culture
2. Collaboration platform
3. Support by all levels of employees
4. Participant autonomy
5. Open source participation
6. Continuous integration practices
7. Small, interconnected communities
8. Community leadership

The key to successful InnerSource program: a community leader



**CREATES AN OPEN AND SAFE
ENVIRONMENT FOR ALL
CONTRIBUTORS**



**SUPPORTS PREFERRED
TECHNOLOGIES AND CHOICE**



**ENCOURAGES PARTICIPATION
AND OPEN DEBATE**

The community leader enables the success of the InnerSource community with technology choices, participant encouragement, and leadership

Bringing it all together



	<i>Traditional Development</i>	<i>InnerSource</i>
Collaboration	Limited to only the specific team	Cross teams and functional layers – Everyone
Management of projects	Hierarchical	Priorities are provided, but team is self driven
Assignment of tasks	Tasks assigned during sprint meetings or management review	Curated by Community Leader, but self assigned
Transparency	Only the teams working on a project have visibility	Visibility across the company, anyone may discover, learn and contribute to a project
Discoverability of code and projects	Limited to direct contributors	Visibility across the company, anyone may discover, learn and contribute to a project
Workflow	Fixed, across teams	Code -> Collaborate -> Ship
Tooling	Assigned tooling	Best of Breed
<i>Participation in Open Source</i>	Not Typically	Highly Encouraged / Recommended

Additional Resources



-
- <http://thenewstack.io/github-bloomberg-talk-using-innersource-build-open-source-project-development-behind-company-firewalls/>
- [Getting Started with InnerSource](#) – Danese Cooper Keynote
- [Open Source Principles for Internal Engineering Teams](#)
- [InnerSource in Platform-Based Product Engineering](#)
- [Getting Started with InnerSource](#)



Appendix

How Will You Hire Your Next 100 Developers?



FIND

Where does the business find the developers they need?

ATTRACT

How can the business attract developers both to the company and to new projects?

RETAIN

How will the business provide a challenging environment for developers and still meet the demands of the market?



How does it differ from traditional SW development organizations?

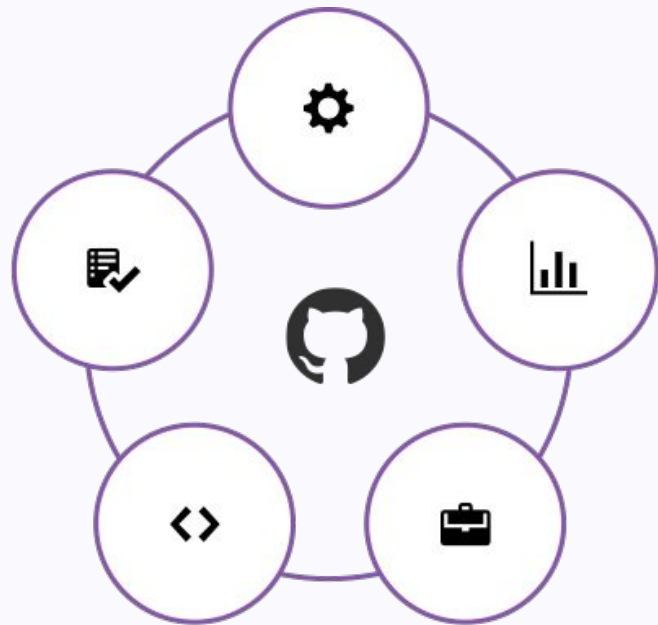


- **Tasking and project assignments are mandated as opposed to requested, this can lead to mismatch of skill sets and expertise required for the project**
- **Enforced processes. Company or departmental process is universal, regardless of team make-up, experience, or requirements of the task**
- **Sta-tus rather than merit**

GitHub sits at the center of Enterprise software development



- **Make better product, faster**
Discover, write, reuse, and ship better software
- **Find and attract the best people**
Keep them happy by using the products they know and love





Worlds largest Community of code

**THIS IS WHERE YOU
FIND DEVELOPERS:**

15 million of them



**THIS IS WHERE THE
WORLD'S CODE RESIDES:**

34 million projects



**THIS IS WHERE OPEN
SOURCE LIVES:**

Every major OSS project

This is where InnerSource starts



The worlds innovators choose GitHub

OPEN SOURCE



TECHNOLOGY



FORWARD THINKING ENTERPRISES





Questions?



**InnerSource assessment template:
(Insert Link)**