The 2021 State of the OCTOVERSE Vol. VI

More Data, More Insight

GitHub repositories: 4.0M+
Developer surveys: 40K+

Legend

WORK = SOLID
OPEN SOURCE = PATTERN

Writing and shipping code faster

Automation removes friction so teams perform better and developers find more meaning in their work.

- 43% frictionless code reuse
- 87% increased developer performance
- 27% team performance improvement
- 61% pull requests per day merged by teams
- 31% faster

Fewer pull request reviewers lead to faster merges, often in a day or less.

- <3 repo reviewers increases chance of merge within 24 hours

Knowledge flow through documentation

Easy-to-source documentation boosts developer productivity.

- 50% increase for work and open source
- 55% jump in productivity
- Enterprises should adopt same best practices

Documentation is chronically under-invested but improves quality of contributions and invites collaboration.

- //READMEs, guidelines, issues

Sustainable and welcoming communities

Communities with mentorship and friendly, timely reviews lead to higher productivity and better collaboration.

- 16% enterprises support team members through custom how-to guides, onboarding platforms, buddy systems, office hours that were not reflected in our questions, so their margin for improvement can be larger.

 enterprises should adopt same best practices

The right tools are critical to support hybrid and remote work.

- FULL REMOTE: 20%
- HYBRID: 26%

Key Findings

READ THE REPORT

//2021 OCTOVERSE SNAPSHOT
octoverse.github.com

INDUSTRY'S MOST COMPREHENSIVE RESEARCH REVEALS BOTH TRENDS AND PREDICTIVE RESULTS.
Best practices pay long-term dividends in retention and productivity

**FULFILLMENT**
- Implement automation to give your team more time for creativity and teamwork.

**CULTURE**
- Foster mentoring to improve culture, which has long-lasting benefits for productivity, satisfaction, and retention.
- Use codes of conduct in open source to create a sense of safety.

**BELONGING**
- Join the Day-or-Less Club by limiting the number of reviewers on your team.
- Create a collaborative environment by making it easier to reuse others’ code.

Invest in documentation, no matter the format to build team trust.

Learn more about our findings.

Read the report.