

DORA

A decade with DORA

The 2024 DORA report highlights the significant impact of AI on software development, explores platform engineering's promises and challenges, and emphasizes user-centricity and stable priorities for organizational success.

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Google Cloud

AI Adoption



The report finds that AI adoption is rapidly increasing, with 76% of respondents relying on AI for tasks like code writing, summarizing information, and code explanation. AI adoption is positively correlated with increased flow, productivity, job satisfaction, code quality, and internal documentation quality. However, it is associated with a decrease in delivery stability, suggesting a potential need for adapting change management practices in the age of AI-powered development.

Key metrics

- 81% of respondents say their company has shifted resources into developing AI.
- 67% of respondents report that AI is helping them improve their code.
- 39% of respondents reported having little or no trust in AI.
- A 25% increase in AI adoption is associated with a...
 - 7.5% increase in documentation quality.
 - 3.4% increase in code quality.
 - 3.1% increase in code review speed.
 - 1.3% increase in approval speed.
 - 1.8% decrease in code complexity (this is a good thing!).

Platform Engineering



While 89% of respondents reported using an internal developer platform, the impact on software delivery performance is mixed. Although platform engineering shows promise in boosting individual and team productivity and improving organizational performance, it may also lead to decreased throughput and stability, particularly when mandated for the entire application lifecycle.

Key metrics

- 89% of respondents are using an internal developer platform.
- 6% gain in productivity at the team level when organization has a dedicated platform team.
- 5% improvement in productivity when users of the platform are able to complete their tasks without involving an enabling team.
- 8% decrease in throughput among those using a platform compared to those who do not.

Key Takeaways for Success



The report emphasizes the importance of user-centricity for improved product performance, employee well-being, and organizational success. It also highlights the detrimental impact of unstable priorities on productivity and burnout, even in the presence of strong leadership and good documentation.

Transformational leadership, a culture of continuous improvement, and data-driven decision-making remain crucial for driving successful transformations.

Key metrics

- In 2023 we saw user-centered teams have a 40% higher level of organizational performance compared to those that did not. This year's research reflects the same.

Leverage the research

DORA's findings can serve as hypotheses for your next experiments. Learn more about how your team operates and identify areas for improvement which may be inspired by findings from the DORA research program.

Share your experiences, learn from others, and get inspiration from other travelers on the continuous improvement journey by joining the DORA community at <https://dora.community>