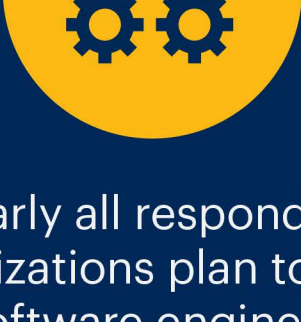
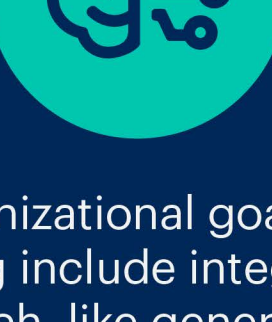


Software Engineering Teams Plan to Scale Up Productivity

How do software teams plan to scale up their productivity? Keep reading to find out more about their goals and how they intend to increase their output.



Nearly all respondent organizations plan to scale up software engineering over the next two years



Organizational goals for scaling include integrating new tech, like generative AI



Many plan to use platform engineering to achieve their aims

Data collection: Oct 26 - Nov 22, 2023

Respondents: 119 software engineering leaders with visibility into departmental productivity

About Gartner Peer Community One-Minute Insights:

Gartner Peer Community is for technology and business leaders to engage in discussions with peers and share knowledge in real time.

Surveys are designed by Gartner Peer Community editors and appear on the Gartner Peer Community platform. Once the respondent threshold is met, survey results are summarized in a One-Minute Insight.

The results of this summary are representative of the respondents that participated in the survey. It is not market representative.



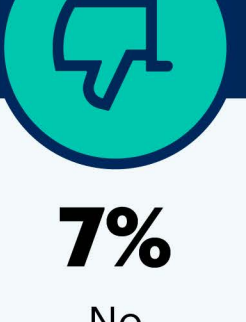
Nearly all organizations plan to scale up software engineering productivity

92% of respondent organizations (n = 119) plan to scale up software engineering productivity over the next two years.

Is your organization planning to scale up its software engineering department's productivity over the course of the next two years?¹



92%
Yes



7%
No



2%
Not sure

n = 119

Note: May not add up to 100% due to rounding

"It's tricky — hiring more doesn't always translate to better productivity. Good process, self-service tooling, documentation, and skilled team members are probably the tentpoles."

Director, consumer goods industry, <1,000 employees



Question: What are your final thoughts on scaling productivity in software engineering departments?

Most are scaling to integrate new tech, like generative AI

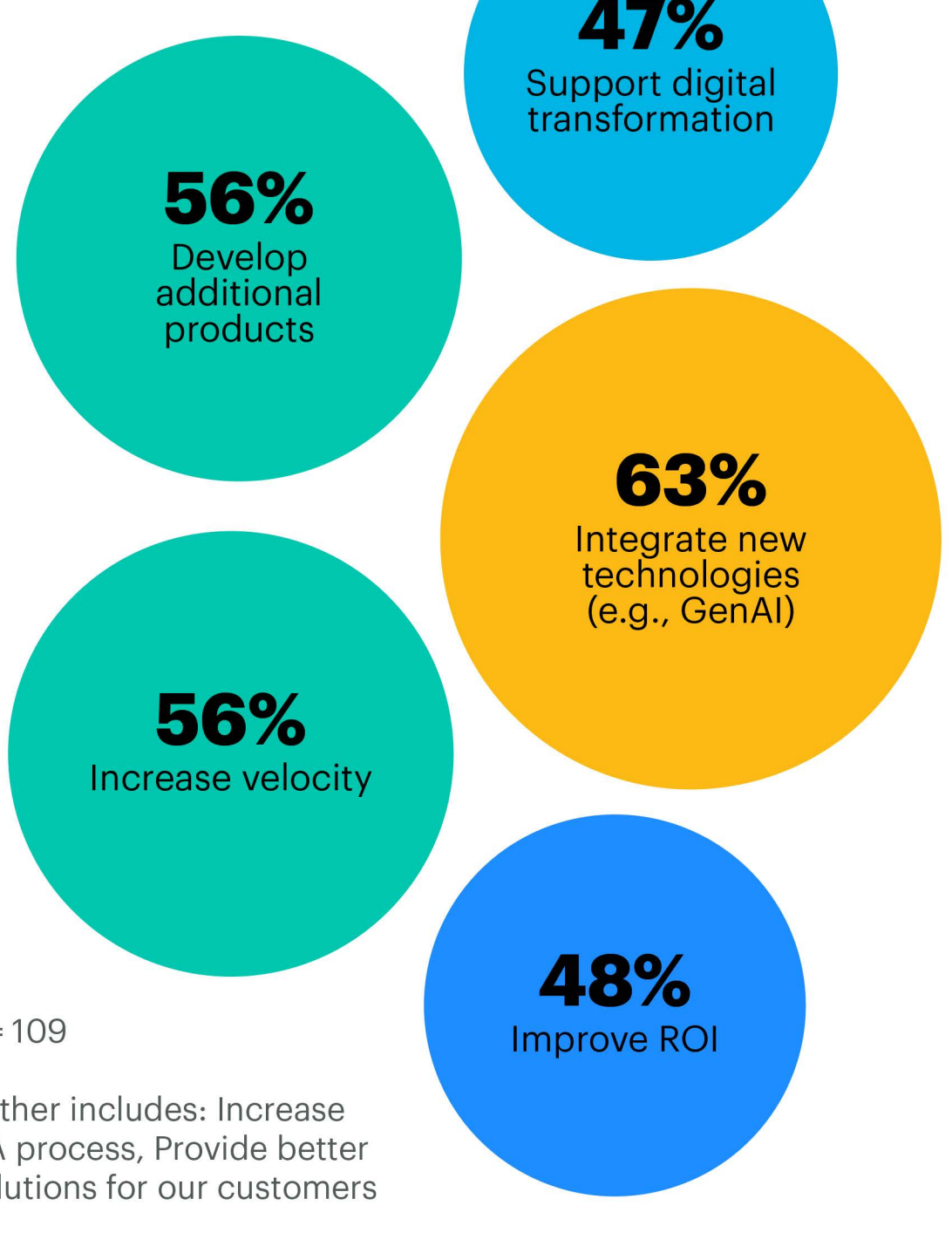
Among those organizations planning to scale up productivity (n = 109), **63% hope to integrate new technologies, like generative AI (GenAI)**. 56% want to **develop additional products or increase velocity**.

What is your organization hoping to achieve by scaling up its engineering department's productivity? Select all that apply.²

Adhere to new directives from company leadership **18%** | React to macroeconomic trends **16%** | Other* **2%** | Not sure **0%**

n = 109

*Other includes: Increase QA process, Provide better solutions for our customers



"Filling open positions can be hard, and organizational demands grow at a rate that is hard to keep up with — our developers will likely rely more on AI out of necessity, even when we are willing to hire."

Manager, educational services industry, <1,000 employees



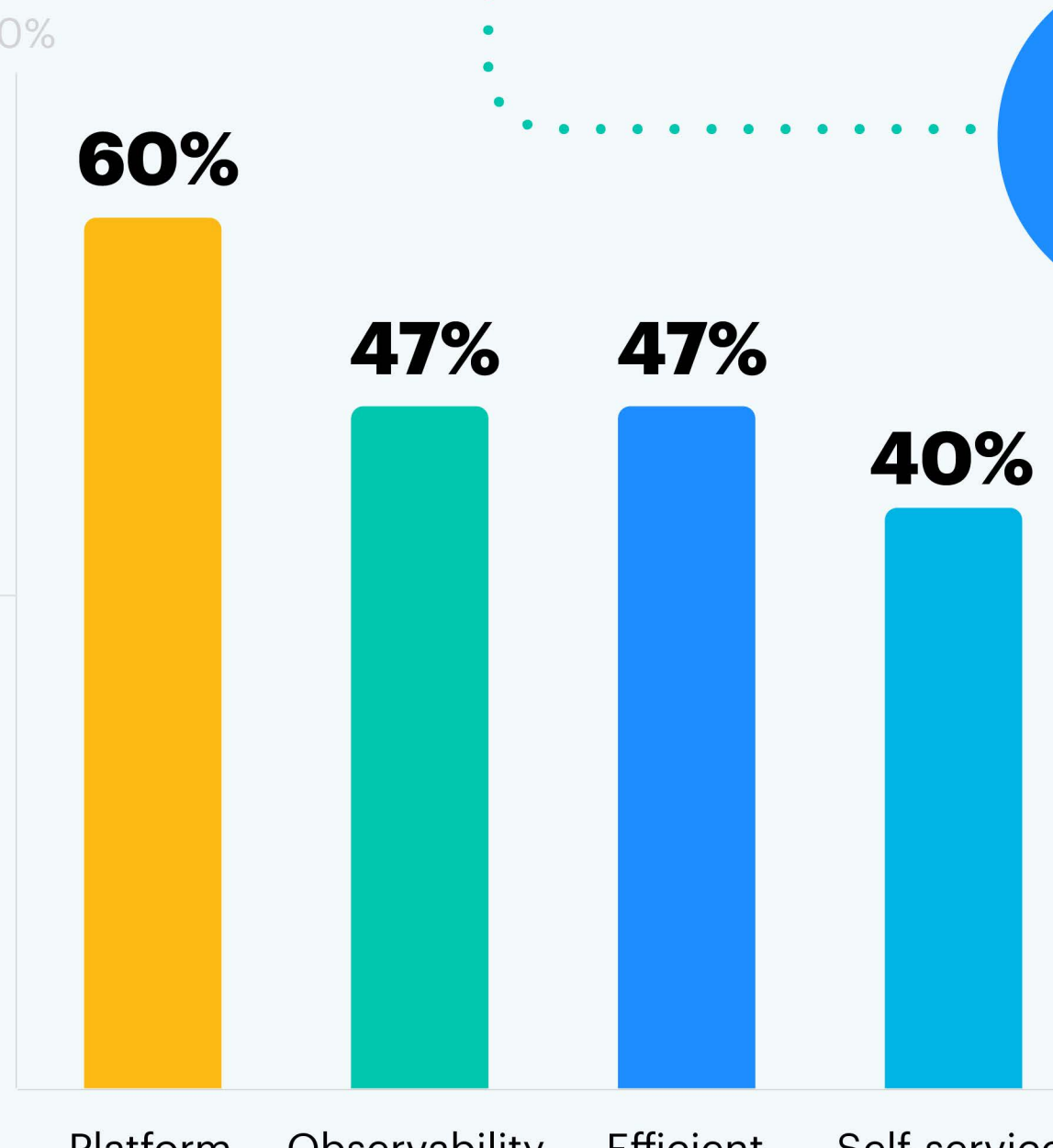
Question: What are your final thoughts on scaling productivity in software engineering departments?

Many are using platform engineering to scale up productivity

60% of respondent organizations planning to scale up productivity expect to use platform engineering to do so.

What capabilities and/or practices is your organization using or planning to use to scale its software engineering productivity? Select all that apply.²

Restructured teams (e.g., creating domain-based teams) **39%** | AI-augmented testing **38%** | Site reliability engineering **33%** | Software supply chain security **17%** | Autoremediation **16%** | Chaos engineering **13%** | Not sure **2%** | Other* **1%**

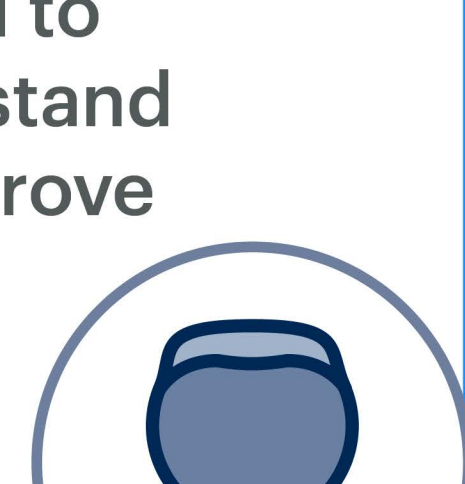


n = 109

*Other includes: Use of MSP [managed service provider] to scale Scrum teams

"For the last decade, scaling a team has meant adding more people. With the focus on efficiency, we need to ensure that we can onboard people quickly, understand how teams are performing (and ensure we can improve them), and scale our delivery non-linearly."

VP, finance industry, <1,000 employees



Question: What are your final thoughts on scaling productivity in software engineering departments?

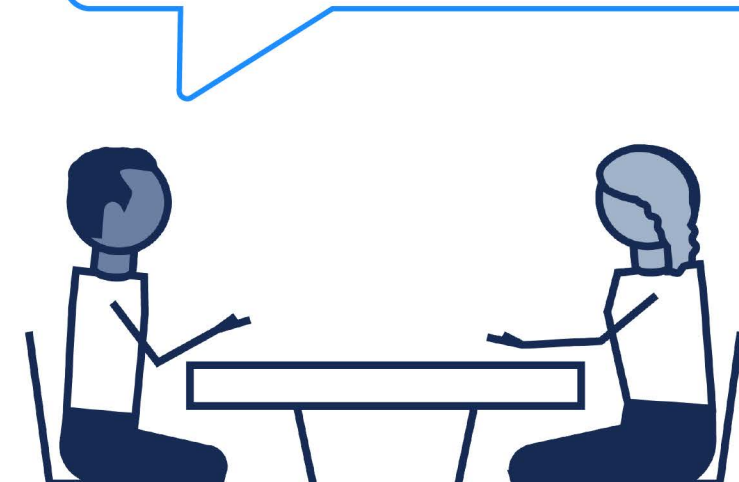
In their own words...

"Scaling productivity should not come at the expense of work quality and continuous improvement. Goals and timelines must be realistic or you end up with demotivated, burned out teams."

- Director, software industry, <1,000 employees

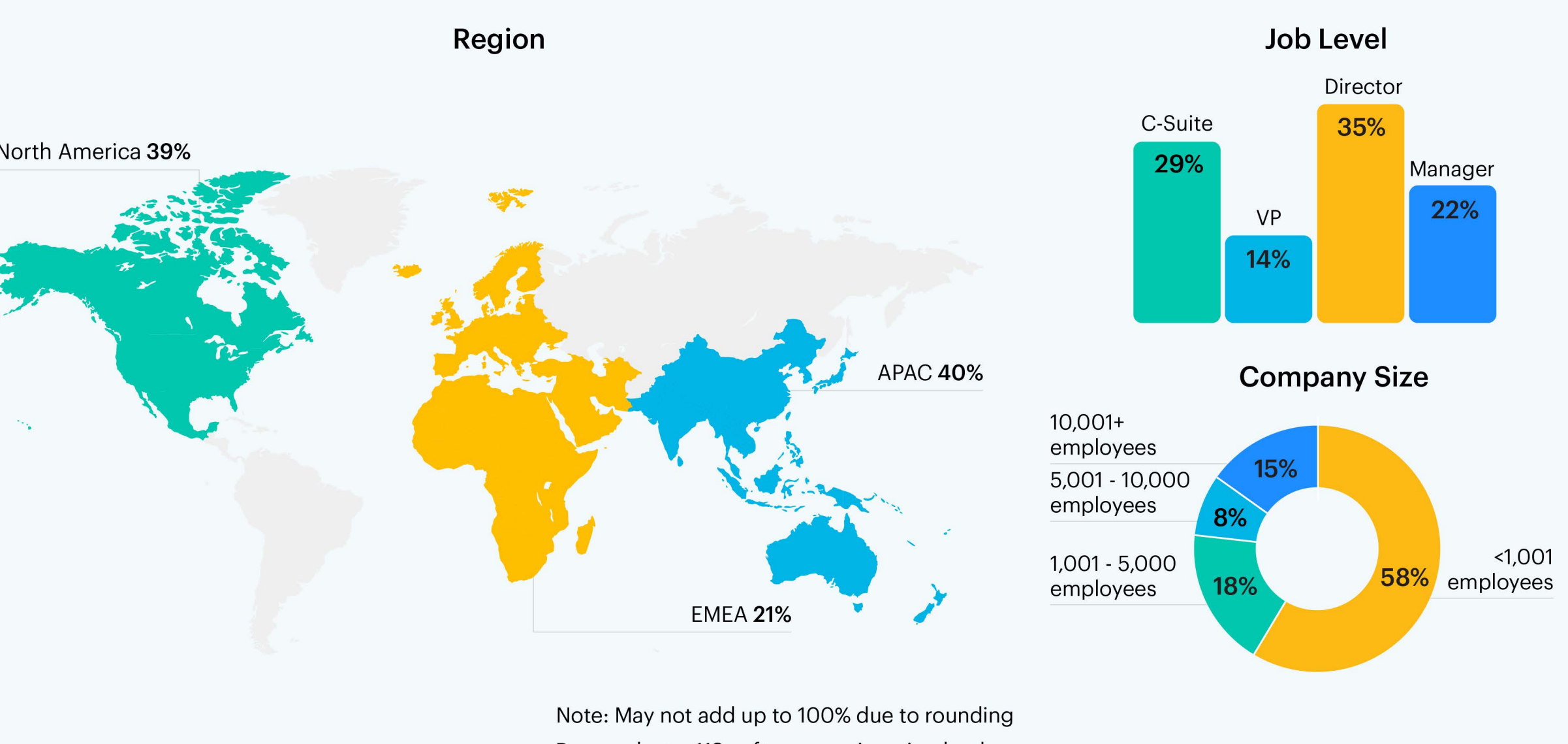
"There is no simple solution [to scaling productivity], besides digging in, measuring and ensuring the plan is built for your own organization."

- VP, healthcare industry, <1,000 employees



Question: What are your final thoughts on scaling productivity in software engineering departments?

Respondent Breakdown



Note: May not add up to 100% due to rounding

Respondents: 119 software engineering leaders with visibility into departmental productivity

Want more insights like this from leaders like yourself?

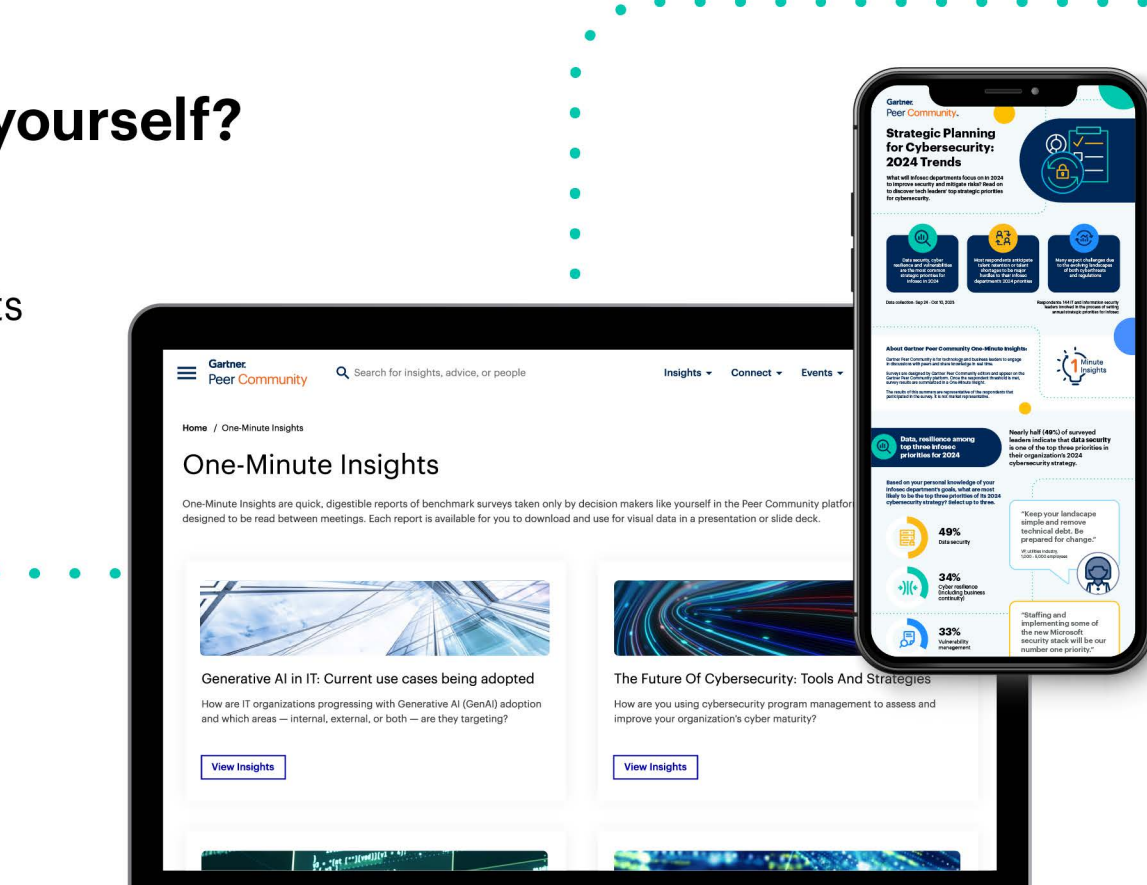
[Click here](#) to explore the revamped, retooled and reimagined Gartner Peer Community. You'll get access to synthesized insights and engaging discussions from a community of your peers.



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Source: Gartner Peer Community, Scaling Software Engineering: How Do You Increase Productivity? survey

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1 Full question text: Is your organization planning to scale up its software engineering department's productivity (e.g., increase deployment speed, develop additional products) over the course of the next two years?

2 Question text only to respondents who answered "Yes" to "Is your organization planning to scale up its software engineering department's productivity (e.g., increase deployment speed, develop additional products) over the course of the next two years?"