

LangChain

# State of AI Agents

We surveyed 1300+ developers and business leaders in September 2024 on AI agent adoption, use cases, challenges, and more.

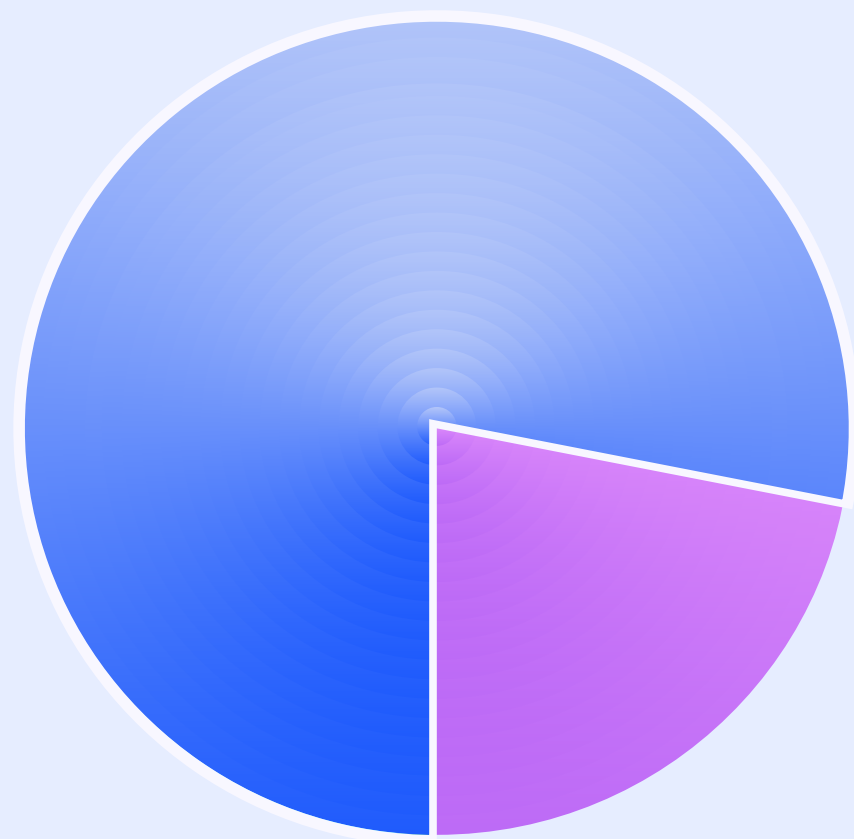
# 1. Agent adoption is a coin toss - but nearly everyone has plans for it.

Does your company currently have agents in production?



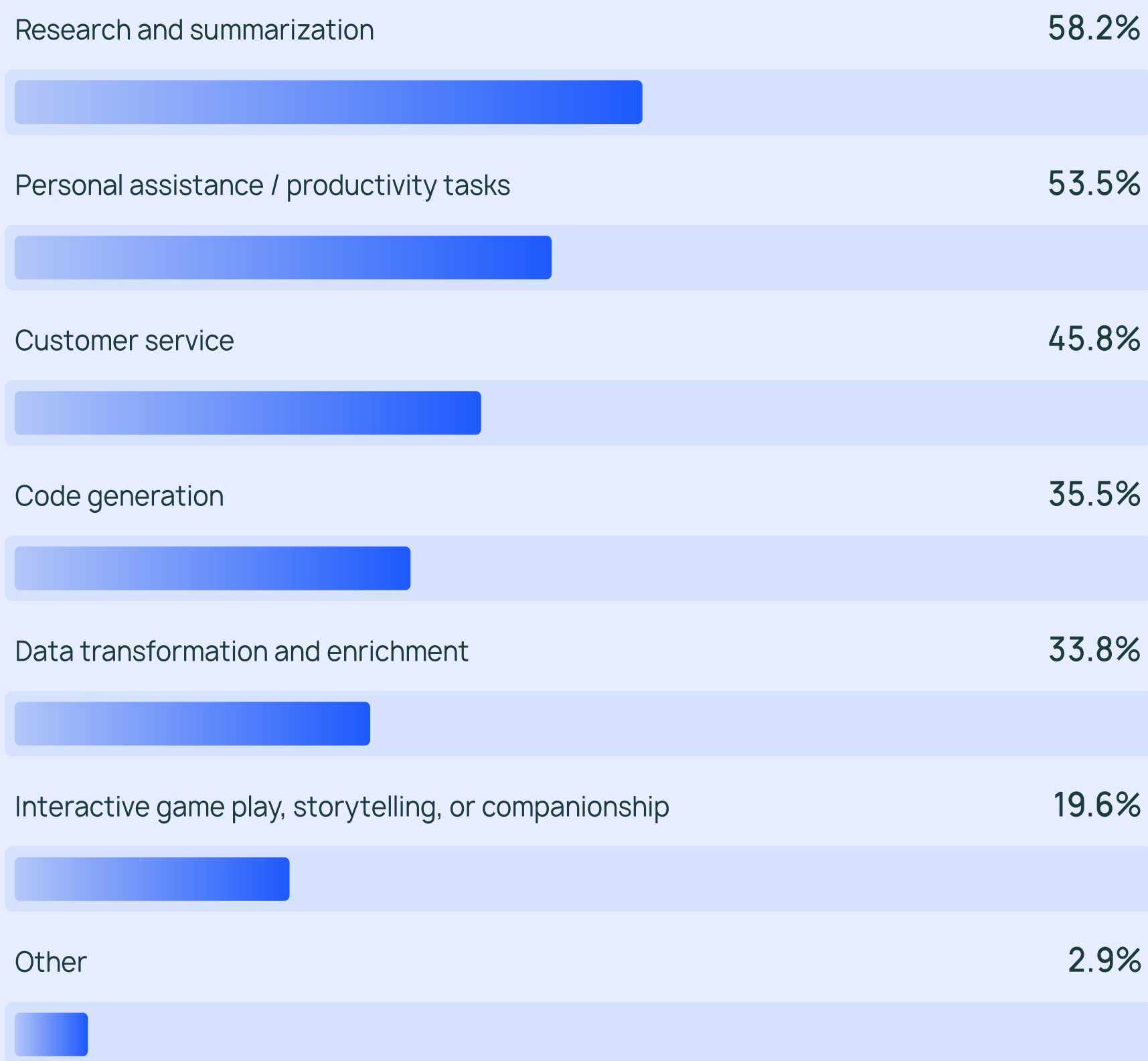
Yes - 51.1%    No - 48.9%

Are you currently developing an agent with plans to put it into production?

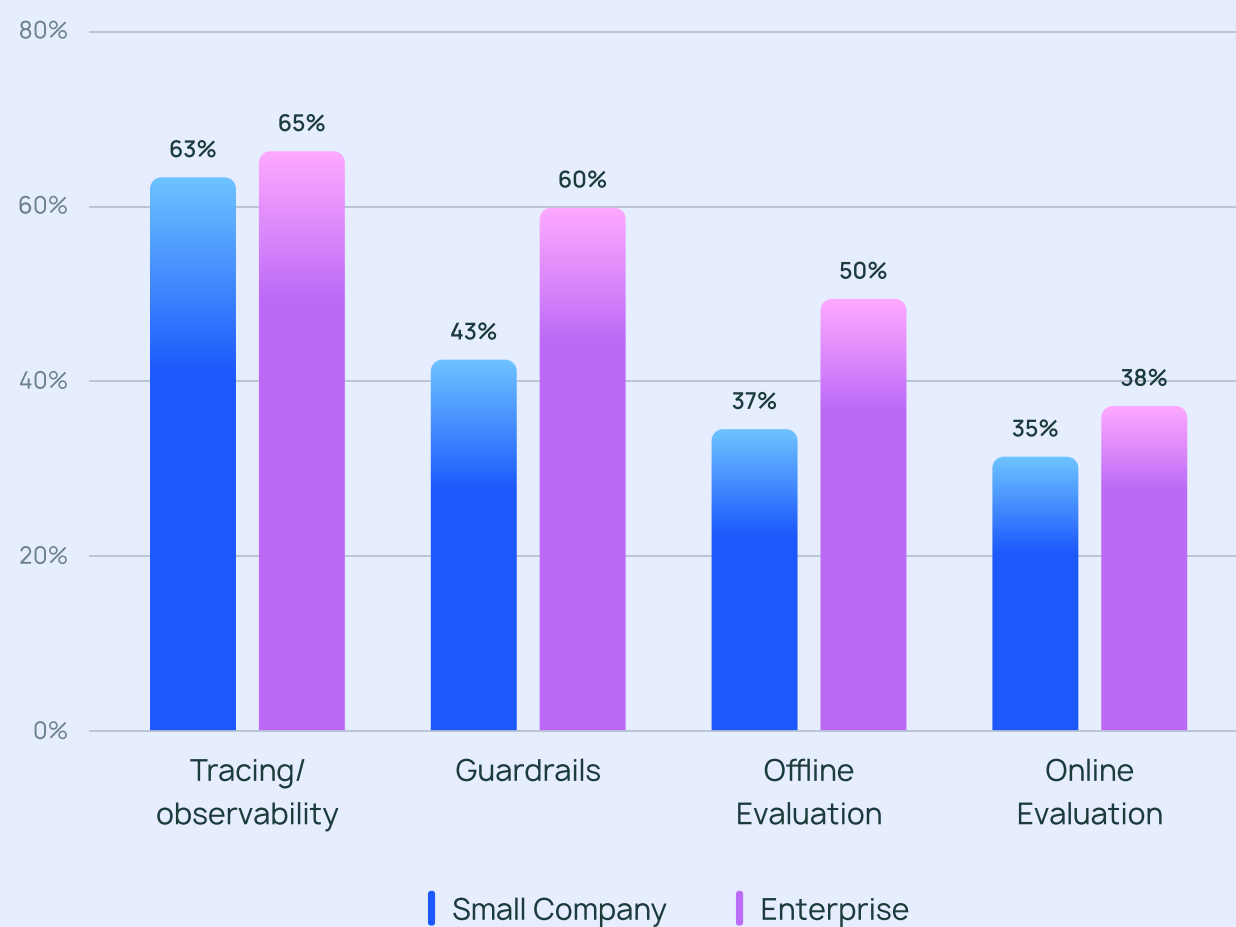


Yes - 78.1%    No - 21.9%

## 2. Research and summarization is a top agent use case, followed by personal assistance and customer service.

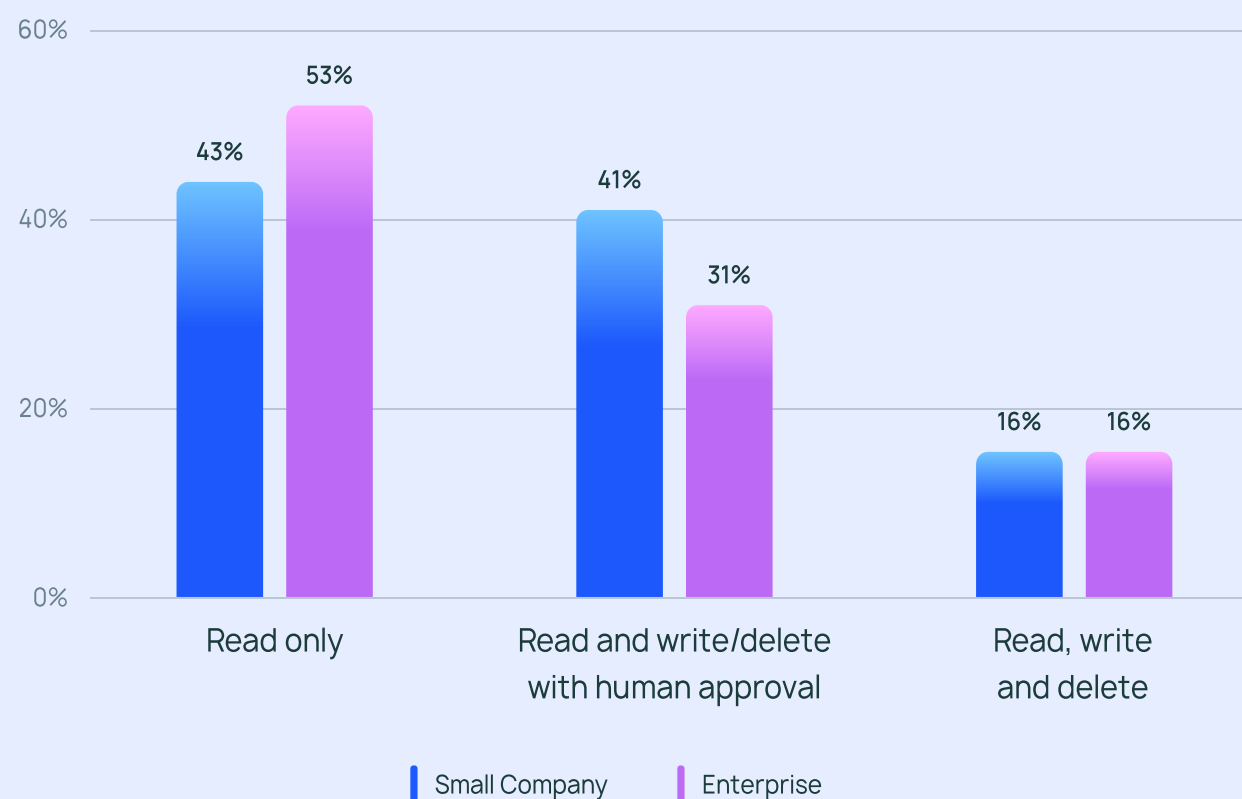


### 3. Better safe than sorry: Tracing and human oversight are needed to keep agents in check.



Agent controls by company size

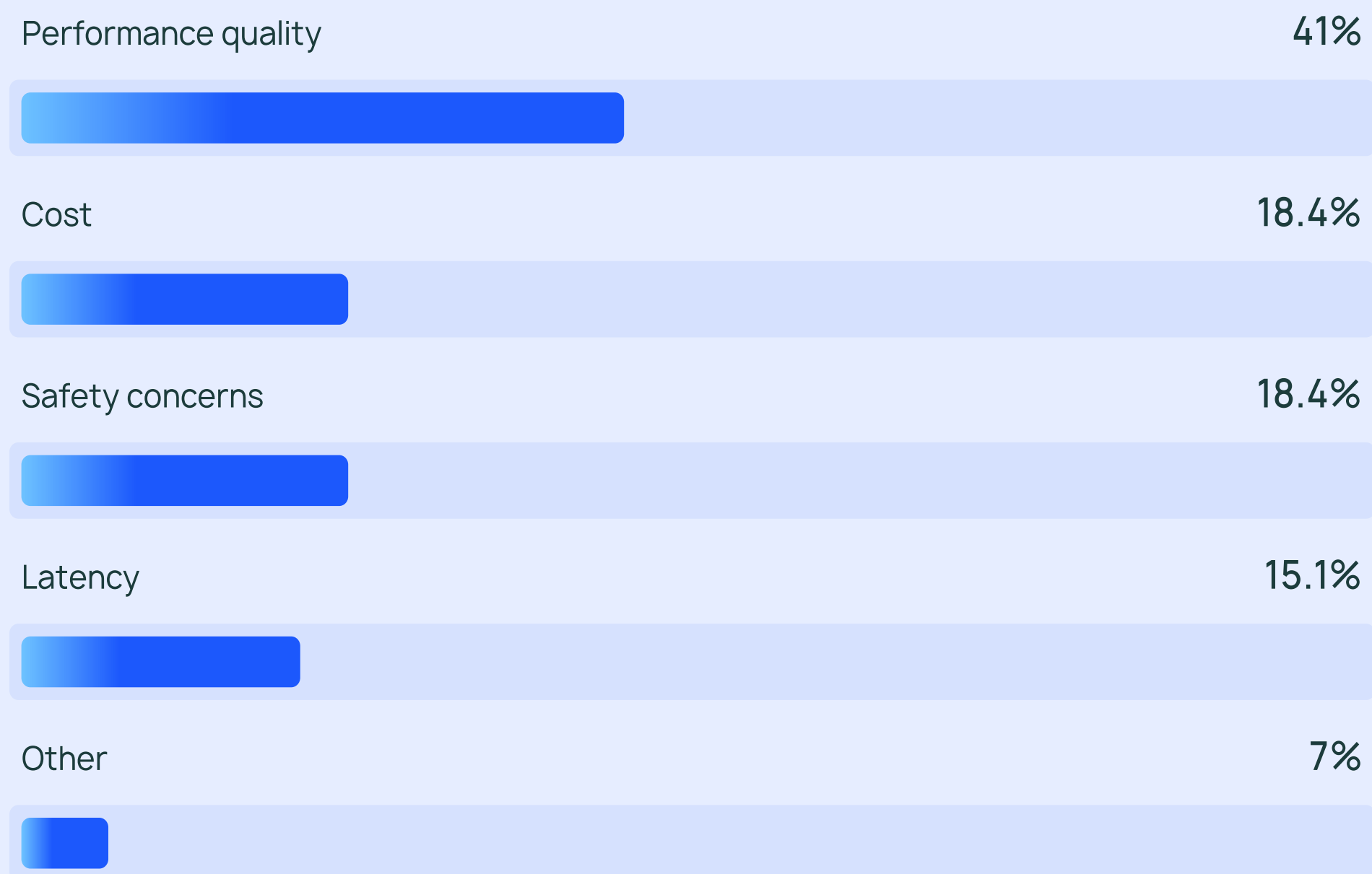
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Tool permissions by company size

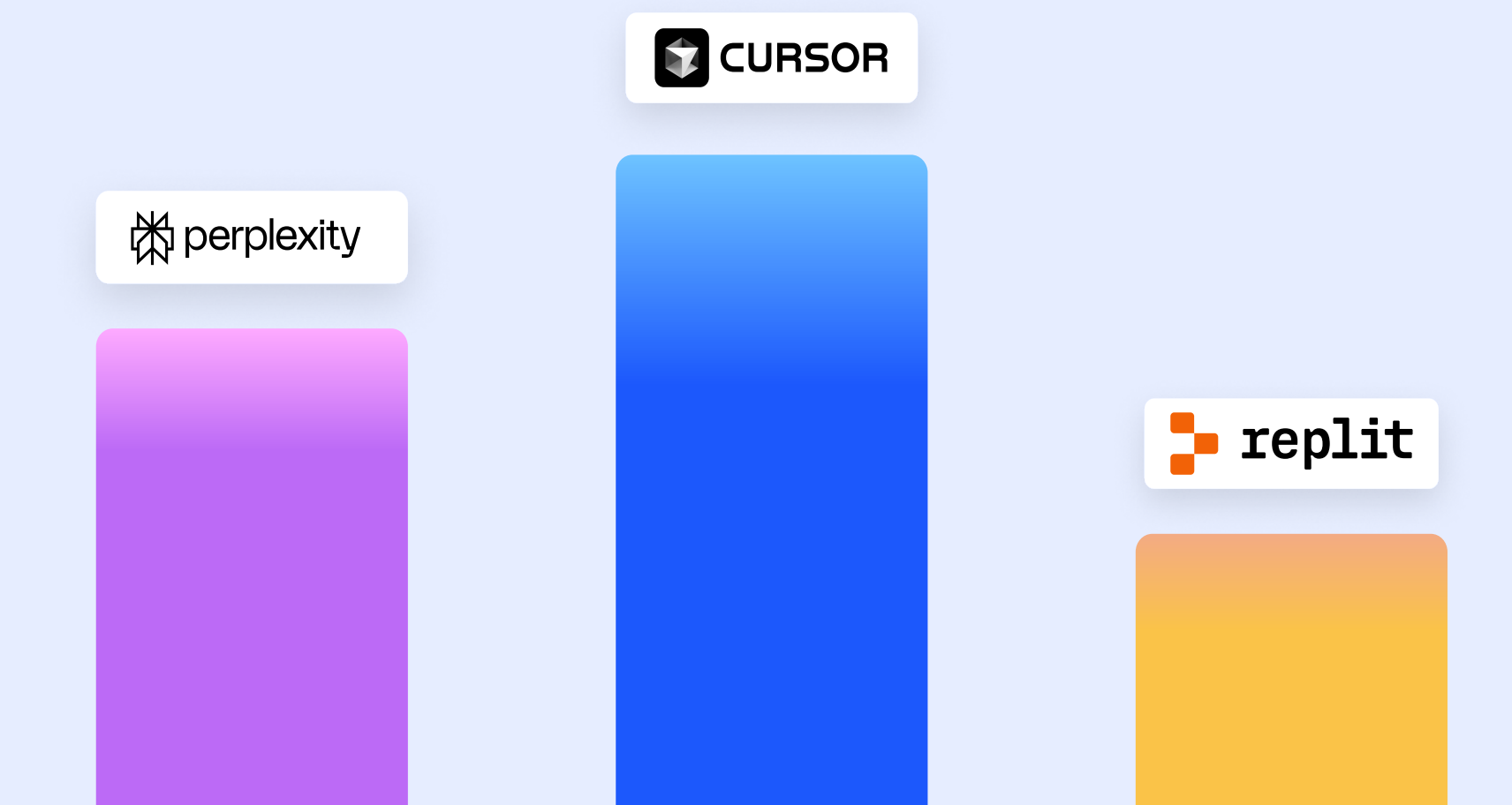
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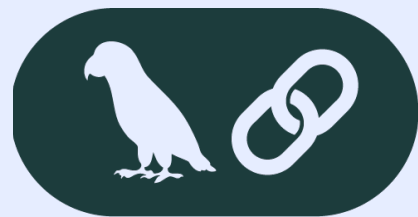
## 4. Performance quality is the biggest barrier that holds companies back from using AI agents in production.





5. But some AI agents **are** solving real user problems. Just ask Cursor, Perplexity, and Replit – all of which respondents repeatedly named as their favorite agentic apps.





# LangChain

Want to learn more about AI  
agent use cases & pain points?  
Read the full report.

[langchain.com/  
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