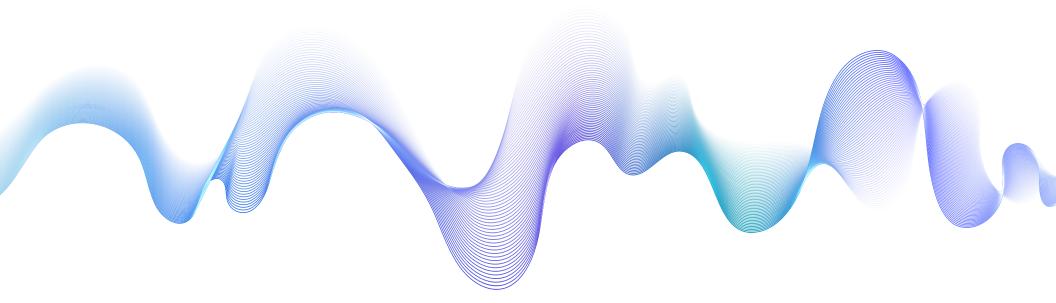
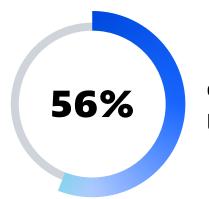
# DevOps automation is becoming a strategic imperative for large organizations

DevOps automation is becoming a strategic imperative as organizations face pressure to innovate faster without increasing spending or compromising software quality. But automation practices remain in the early stages of maturity.



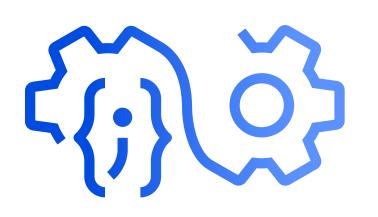
# Insights from a global survey of 450 IT practitioners in large organizations show that, on average:



of the end-to-end DevOps lifecycle has been automated



In the next 12 months, organizations are investing further in DevOps automation to support:



**55%** Security and compliance management

**52%** Infrastructure provisioning and management

**51%** Performance optimization

## On average, surveyed organizations report that DevOps automation has led to the following benefits:

**61%** Improvement in software quality

**57%** Reduction in deployment failures

**55%** Decrease in IT costs



Despite these improvements, many run into challenges maturing and scaling DevOps automation.



Difficulty operationalizing data to support automation



Security concerns and fears that faster delivery will



Toolchain complexity





**78%** say observability-driven automation has resulted in faster incident response and resolution times

**74%** say observability tools have helped identify bottlenecks and automate delivery pipelines

**71%** actively use observability data and insights to drive automation decisions and improvements in DevOps workflows

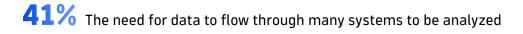
#### **However:**

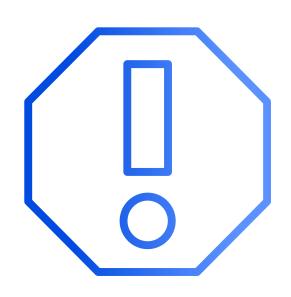
**85%** of organizations face challenges using observability and security data to drive DevOps automation.

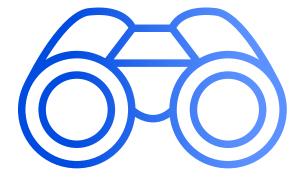
# The top three challenges of using observability to support DevOps automation include:

**51%** Inaccessible data









### As they work to overcome these challenges:



of organizations are investing in platforms to enable easier integration of tools and collaboration between teams involved in automation projects.

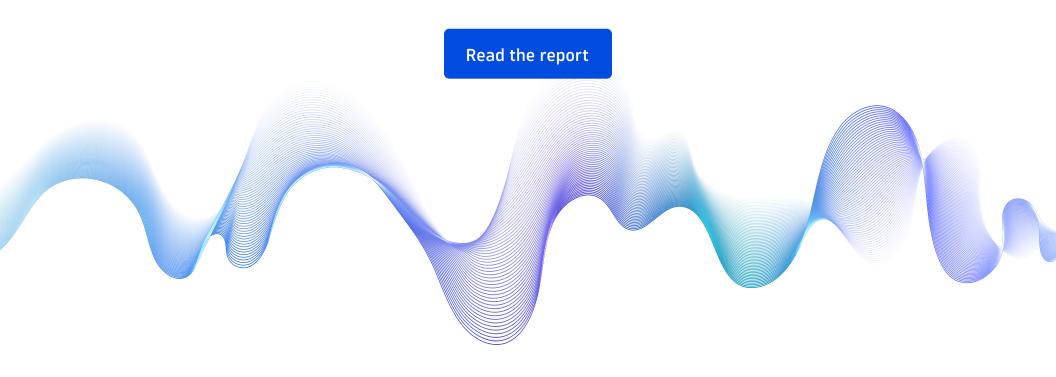


of organizations expect large language models, such as ChatGPT and Bard, to have a significant impact on their DevOps automation capabilities.



of organizations say observability data will play a vital role in their future DevOps automation strategies.

Read the <u>full report</u> to discover more actionable insights from industry practitioners and what you can do to progress your DevOps automation maturity.



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