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.

Dynatrace (NYSE: DT) exists to make the world's software work perfectly. Our unified platform combines broad and deep observability and continuous runtime application security with the most advanced AIOps to provide answers and intelligent automation from data at an enormous scale. This enables innovators to modernize and automate cloud operations, deliver software faster and more securely, and ensure flawless digital experiences. That is why the world's largest organizations trust the Dynatrace® platform to accelerate digital transformation.

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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

Organizations agree that observability is a near-universal prerequisite for DevOps automation.

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.

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

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

56% of the out-of-the-box DevOps tools they have tested have been abandoned

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

As they work to overcome these challenges:

64% of organizations are investing in platforms to enable seamless integration of tools and collaboration between teams involved in automation projects.
59% of organizations report large language models, such as ChatGPT and Bard, to have a significant impact on their DevOps automation capabilities.
58% of organizations say observability data will play a vital role in their future DevOps automation strategies.

59% of organizations are investing in platforms to enable seamless integration of tools and collaboration between teams involved in automation projects.
43% of organizations are investing in platforms to enable easier integration of tools and collaboration between teams involved in automation projects.
41% of organizations say observability data will play a vital role in their future DevOps automation strategies.

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

59% Inaccessible data
43% Slack data
41% The need for data to flow through many systems to be analyzed

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