

# Surveying the landscape: Education employees and the DevOps automation advantage

From freeing up overworked staff, to neutralizing issues before they become full-blown problems, automation is a game-changer for IT teams everywhere.

DevOps automation has gone from simply making things more efficient to being an irreplaceable part of a school, college, or university's cloud delivery strategy.

Here's what IT experts from educational institutions around the globe say about how automating DevOps practices has benefited their organization, taken pressure off staff, and helped make their jobs easier.



Respondents see **clear benefits** to DevOps automation.

**75%** Improved analytics and insights

**58%** Improved software quality

**57%** Improved employee satisfaction for development, operations, and security teams

**54%** Reduction in the number of deployment failures

**53%** Reduction of IT costs (e.g., labor, infrastructure, testing, productivity)



But **less than two-thirds of organizations** have automated their DevOps processes:

**61%** Observability / monitoring

**58%** Backup and disaster recovery

**57%** Infrastructure provisioning / management

**56%** Incident management and response

**56%** Problem remediation

**53%** Alert thresholds and anomaly detection



And while that number is growing, education still faces roadblocks —

Concerns over security, governance, and compliance stand out.



**75%**

Toolchain complexity/  
limited resources  
to integrate multiple  
CNCF tools



**68%**

Complexity of migrating  
legacy systems that  
are incompatible with  
DevOps automation



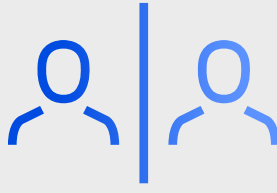
**48%**

Security concerns/fears  
that faster delivery  
will increase risk



**48%**

Difficulty  
operationalizing data  
to support automation



**42%**

Siloed teams —  
each team has its own  
charter, budget, tools,  
and ways of working



Further, automation is only as precise as the data that informs it.

On average, **data must hop through 12 systems** to create the contextual insights necessary for unleashing DevOps automation and it takes a **software engineer an average of 10 hours** to remediate a problem within a production application.



**AI-driven observability** can show teams the relationships and dependencies across their cloud technology stacks to unlock these insights instantly, so they can **drive actionable automation workflows**

Want to learn more? Read the **[full report](#)** to:



**Assess where your agency falls** within the four stages of the DevOps Automation Maturity Model: Foundational, Standardized, Advanced, and Intelligent.



**Discover common KPIs/SLOs** agencies used to evaluate the success of automation



**Review the planned areas of investment** in DevOps automation for government agencies over the next 12 months



**Determine the most popular DevOps automations tools/platforms** and the skills needed to automate DevOps workflows



**Understand the biggest barriers** preventing agencies from initiating new use cases or increasing existing use of DevOps Automation

You'll also learn how Dynatrace can help educational institutions such as your own tame observability data and overcome cloud complexity, in order to confidently, securely and reliably deliver cutting-edge innovation.

[Read the report](#)

[How Dynatrace can help →](#)