

The Business Case for Low Code/No Code Solutions for DevOps

Clint Sprauve
Enterprise Strategist - Tricentis

**DEVOPS
WORLD**
by CloudBees

DevOps Is All About Automation



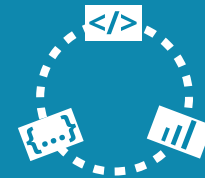
Continuous integration (CI)

Automated Testing and artifact creation



Continuous Delivery (CD)

Automated deployment to test
and staging environments
Manual deployment to Production



Continuous Deployment (CD)

Automated deployment to Production

DevOps "Elite" performers



208

TIMES MORE

Frequent code deployments

106

TIMES FASTER

Lead time from commit to deploy



2,604

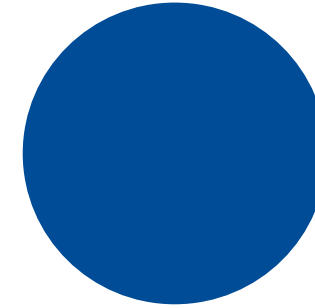
TIMES FASTER

Time to recover from incidents

106

TIMES LOWER

Change failure rate (changes are 1/2 as likely to fail)



Throughput



Stability

A Key Factor in DevOps Success - Useful, Easy to Use Tools



How easy it is to use the toolchain
(including straightforward and easy
interactions and operation)



How useful the toolchain is in
accomplishing job-related goals

What do these tools look like?

The strongest concentration of fully proprietary software is seen in low performers, while the lowest concentration is seen among high and elite performers

TOOL USAGE BY PERFORMANCE PROFILE

	Low	Medium	High	Elite
A mix of proprietary tools, open source, and commercial off-the-shelf (COTS) software	30%	34%	32%	33%
Mainly open source and COTS, heavily customized	17%	8%	7%	10%
Mainly open source and COTS, with little customization	14%	21%	18%	20%
Primarily COTS packaged software	8%	12%	8%	4%
Primarily developed in-house and proprietary to my organization	20%	6%	5%	6%
Primarily open source, heavily customized	6%	7%	5%	12%
Primarily open source, with little customization	5%	12%	24%	15%

What is a Low-Code/No-Code Development Platform?

A **Low-Code/No-Code** development platform is a **visual** software development approach

It allows professional & community developers to **quickly build applications**

"By 2024, low-code application development will be responsible for more than 65% of application development activity."

Gartner Magic Quadrant for Enterprise Low-Code Application Platforms

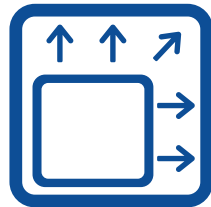
Advantages of Low Code Development Platforms



Low code platforms offer significant productivity gains



Utilizes the skillset of technical and subject matter experts



Build maintainable solutions that are easy to scale



Rapid development helps reduce cost

Challenges with Low Code Development Platforms



Limits of customization on some platforms



May have underlying security and compliance risks



Possible API & integration concerns



Vendor lock-in

Users of Low Code Development Applications



Professional Developers

According to a Gartner survey, 66% of low-code development platform users are professional developers from an enterprise IT department



Citizen Developers

Citizen developers are business users with little to no coding experience

61% of organizations have or plan to have active citizen development initiatives

The Rise of Citizen Developers

- IDC predicts that by 2023, over 500 millic apps will be developed
- Limited number of skilled developers and automation engineers
- Citizen devs



Low-Code Vendors Options for CI/CD



Summary

- Low code platforms offer significant productivity gains
- DevOps tools can support the lifecycle management of low code applications
- Utilize the skillset of technical and subject matter experts
- Build maintainable solutions that are easy to scale
- Reduce cost by taking advantage of low code development

Low-code WILL NOT make coding obsolete. It's not a panacea – but it greatly increases app developer productivity

Thank You

Q & A

**DEVOPS
WORLD**
by CloudBees