

# Accelerating secure app development for **low-code SaaS** platforms

Such platforms help agencies maximize the cloud's potential and achieve their digital transformation goals



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**T**raditionally, security and operations have been distinct and siloed from other stages of the software development life cycle. Programmers would write code and throw it over the wall to the infrastructure teams to deploy and manage in the production environments. Meanwhile, the security team wouldn't find out about a new software release until it was already in production and would have to assess the code for vulnerabilities while it was already exposed to users and the internet.

That approach leads to higher operational costs and increased security and compliance risks. It's easier and less costly to identify and fix bugs early in the process rather than after a product is in production. That's why a key tenet of DevSecOps is to "shift left" and introduce security, compliance and testing at the beginning of software development. DevSecOps also involves building software that adheres to security standards to ensure that it isn't prone to vulnerabilities in the first place.

In addition, DevSecOps relies heavily on automating functional testing and security checks to match the pace of fast-moving continuous integration/continuous delivery environments. For example, static application security testing tools continually scan code and quickly identify security issues, and the open-source Robot Framework automates functional code testing and simulates patterns of human behavior to perform end-to-end testing.

## Driving citizen engagement and employee satisfaction with low-code DevSecOps

Unlike traditional DevSecOps, a low-code DevSecOps platform offers a user-friendly experience through built-in security and governance controls that make it easy for nontechnical administrators to handle automated testing. Agencies can respond faster, achieve higher levels of software quality, deliver more digital services and scale to meet unprecedented demands — all while reducing the need for coding experience.

Such platforms maximize the value of low-code/no-code software as a service and let agencies focus on and accelerate building experiences that drive citizen trust and engagement.

When Radiant Infotech began using Copado's low-code DevSecOps solution with the Centers for Medicare and Medicaid Services (CMS), the agency immediately experienced the benefits of consistency. As development teams grow and add more complexity to their app development, they often start to bump into one another. Ultimately, they lose momentum, quality and security. With Copado, teams at CMS can work in harmony.

All their software releases make it into production, they never have to deal with missing features, and they spend a fraction of the time releasing new functionality. As a result of that timely delivery, features are more likely to be adopted, which leads to happier, more efficient employees.

Radiant Infotech is currently helping CMS create a Center of Excellence

Hafidh Satyanto



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with an embedded DevSecOps tool to ensure the agency has the consistency it needs to drive secure digital transformation projects.

### Choosing secure DevSecOps platforms that comply with best practices

Although DevSecOps helps agencies deliver software to users more quickly, moving fast can lead to poor quality. To ensure that doesn't happen, agencies should look for single-vendor platforms that help them enforce security,

compliance and testing — rather than creating one-off, multi-vendor software development pipelines that require extensive custom integrations.

Furthermore, platforms should adhere to security best practices, including the National Institute of Standards and Technology's guidelines, FedRAMP, ISO/IEC 27017 and 27018, and SOC 2.

The trends that forced the public sector to tackle digital transformation aren't going away. Fortunately, low-code cloud platforms can help

agencies scale and accelerate their app development without compromising security. ■

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## Ramp Up Your Software Delivery Without Ramping Up the Risk.

43% of all security breaches come from vulnerable apps.

Future-proof your tech stack and derisk your end-to-end development cycle with **the only vendor on the market with a built-in DevOps Compliance Solution.**

- **20X More Frequent Releases**
- **2X Fewer Unused Features**
- **3X Fewer Production Bugs**

