dynatrace

Bringing software intelligence to your DevSecOps

DevOps combines development and operations to enable rapid, continuous software development; DevSecOps makes security integral to the process. Automated software intelligence powered by AI helps your agency satisfy its need for both rapid development and reliable security without compromise.

Shift-left to secure the development lifecycle

Adam is part of a DevSecOps software development team responsible for rapidly creating and deploying critical applications for his agency. The team uses an automated software intelligence platform to analyze new code and alerts Adam to a vulnerability exposed in the software soon after it's added and long before the application moves to staging. Rapid discovery and response let him swiftly correct the error, saving days or weeks of production time and allowing the team to focus on secure software development rather than remediation.

Your IT estate is constantly evolving to meet your agency's mission needs, satisfy your stakeholders' expectations, and comply with performance mandates. Software development cycles have accelerated accordingly. DevOps practices have emerged as a leading enabler of rapid and continuous development, allowing new applications and updates to be deployed in hours or days rather than weeks or months.

But speed and agility cannot come at the expense of security, and application security practices are often seen as an impediment to speed and agility. DevSecOps resolves this conflict by incorporating application security as an integral part of the development process. By leveraging the power of automated software intelligence from Dynatrace, your development and security teams can deliver new software and services at agile speed without compromising application security.

No need to compromise

DevOps began as a practice that looks to close the gap between software development and IT operations. Application security traditionally has been an add-on to the development process, coming in at the final stage to ensure a new application or update didn't introduce problems. But identifying a security problem at the tail end could seriously compromise the shortened development cycle.

As a result, teams began to adopt a DevSecOps approach, with application security integrated into the process at the start rather than an add-on at the end, helping organizations reduce the security risk without derailing development timelines. Automating the process of discovering and analyzing software vulnerabilities earlier in the development cycle can provide each team with crucial context to understand the impact of vulnerabilities in the software and its supporting infrastructure. This supports a culture of collaboration within your agency's development and security teams.

Automation and collaboration

Enabling your DevSecOps with the speed of automation and the ability to collaborate helps ensure your team will produce the software necessary to deliver critical services to your agency's stakeholders. Dynatrace® Application Security provides automated runtime vulnerability detection and risk assessment for cloud-native applications across the entire software development lifecycle and in every operating environment, including dynamic multiclouds and Kubernetes clusters. This gives you more confidence in the security of your cloud-native applications while allowing your development teams to run faster by automating many of the manual processes that they are currently using.

Designed to work with existing agile teams and toolsets already in use in your development environment, Dynatrace leverages observability information — what is happening inside your application, plus what is happening in your production environment — along with our proven Davis AI engine and OneAgent technology to produce fundamentally better application security.

Better software

Information assurance teams can also use the enriched application and environment data provided by Dynatrace to continually audit a system and ensure that security is engaged earlier and often, keeping systems compliant and sustaining an agency's Authority To Operate.

To take advantage of the Dynatrace Software Intelligence Platform, powered by AI:

📱 Call us at +1 888 833-3652

✉️ Email us at USFederal@dynatrace.com

💬 Chat with us