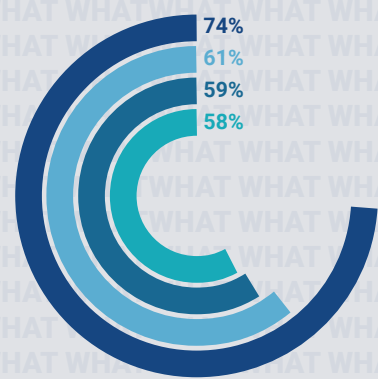


The Security/DevOps Disconnect

To learn more about the opportunities presented by DevSecOps and how it operates in the real world, we asked 350 enterprise IT professionals about best and actual practices in application security and CI/CD.

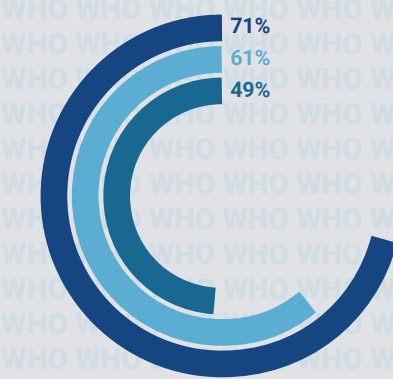
Source: DevSecOps Realities and Opportunities, 451 Research, April 2018.

What pre-implementation application security measures do enterprises have in place?



74% Security control design analysis
61% Application risk assessment
59% Threat modeling
58% Architectural risk analysis

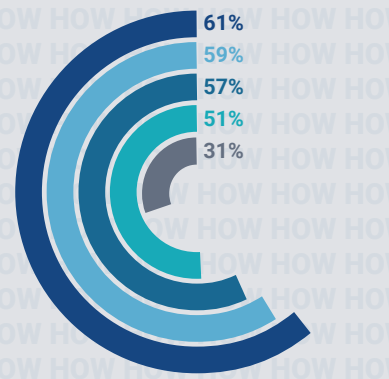
Who is responsible for application security testing (AST) in CI/CD processes today?



71% IT operations
61% Security teams
49% Developers

No single person or team can or should be responsible for security in CI/CD releases.

How do enterprises implement AST tools in their CI/CD processes?



61% Software composition analysis (SCA) and CVE scanning
59% Dynamic application security testing (DAST)
57% Penetration testing
51% Static application security testing (SAST)
31% Fuzz testing

Who are the other stakeholders involved in IT management and DevOps initiatives?



66% Security
66% Technology center of excellence
64% Database administrators and data analytics teams
46% Lines-of-business managers

When should AST be integrated into CI/CD workflows?



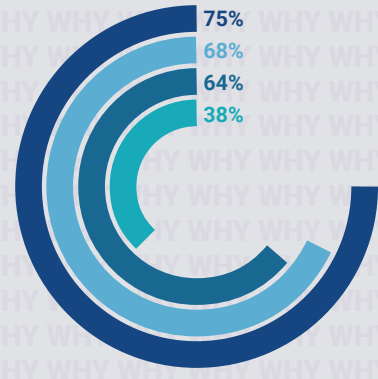
67% When developers commit code
44% On the fly while coding

But that's not what's happening currently.



50% When developers commit code
38% On the fly while coding

Why is DevSecOps and injecting security into CI/CD processes so important?



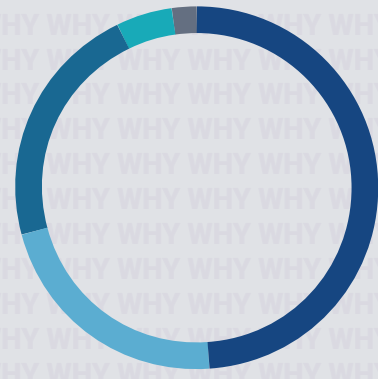
75% Software quality
68% Compliance and regulatory requirements
64% Avoiding risk
38% Speeding the release process

The code changes pushed in CI/CD workflows are not insignificant.



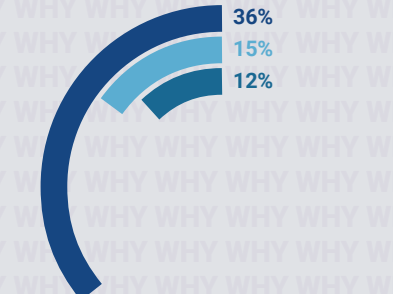
67% Regular, significant changes
17% Large, complex changes
16% Small, simple changes

Enterprise software releases are getting faster all the time.



49% Days
22% Hours
5% Minutes
2% Seconds

Enterprises are looking for serious improvements in time to deploy from their CI/CD implementations.



36% Sought a 4x improvement
15% Sought a 5x improvement
12% Sought more than a 5x improvement

71% of enterprises measure their releases in days or weeks, while 29% measure their releases in hours, minutes, or seconds.

At the speed of code deployment today, enterprises must build security in automatically at every step of the software development life cycle to execute on their goals of building secure, high-quality software.