



Fortify



Implement Security in your Development Lifecycle

Seamless Developer-Centric AppSec

Companies continue to adopt DevOps for rapid development



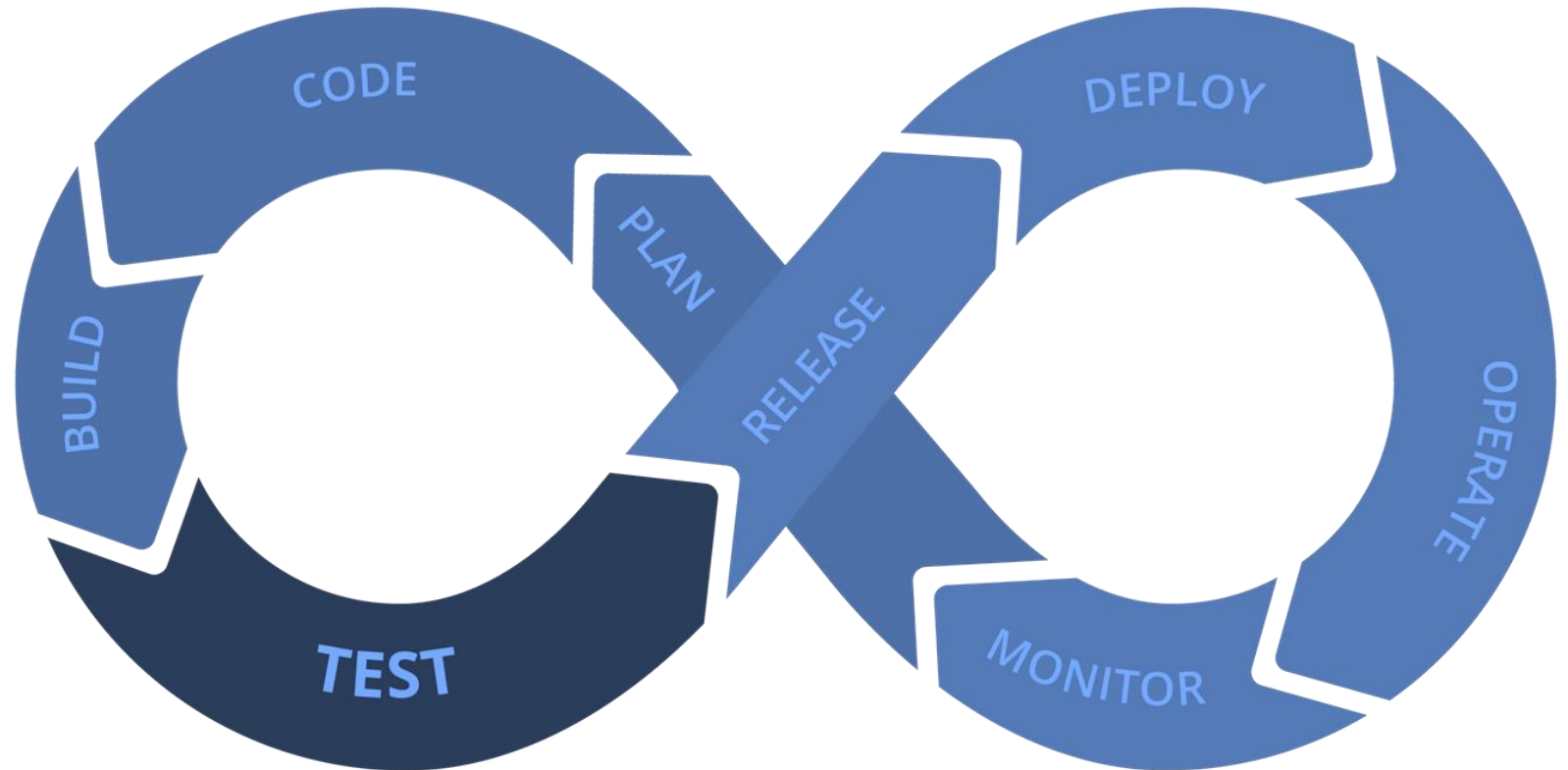
208x
More frequent
code deployments



106x
Faster lead time from
commit to deploy



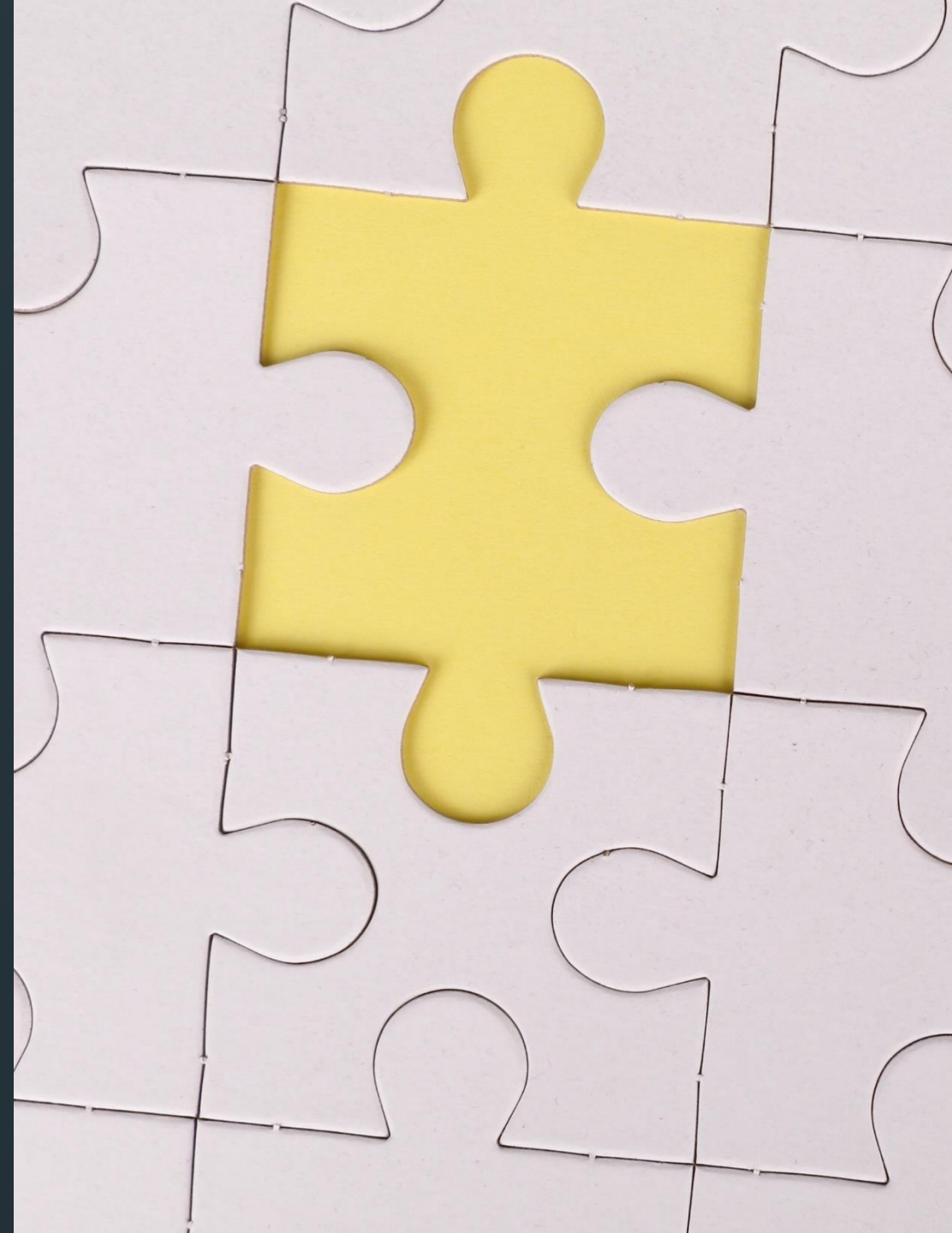
2604x
Faster time to recovery
from incidents



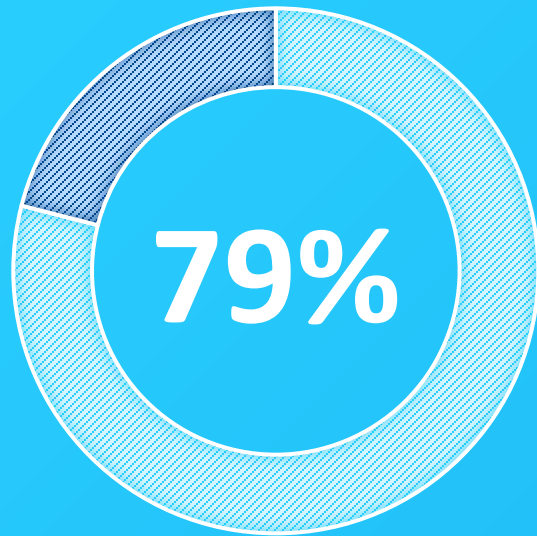
But Security was left out

Why?

- Security is a specialist discipline
- Security is driven by compliance, which is not the focus of DevOps
- Developers deliver functional code fast. Anything else is friction.
- Security creates too much noise

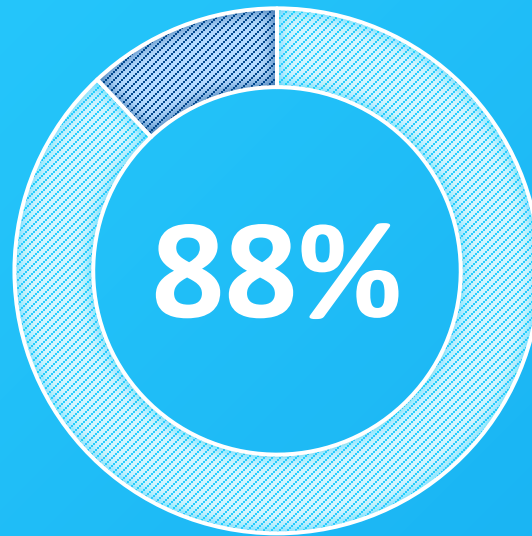


As a result, most applications have security issues!



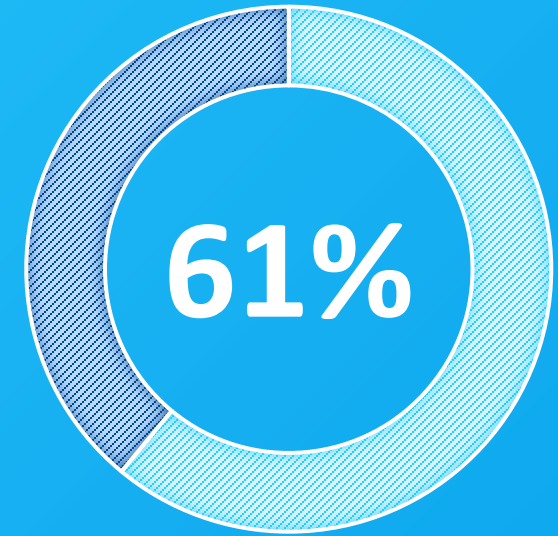
of web apps

have at least one
critical or high severity
issue



of mobile apps

have at least one
critical or high
severity issue

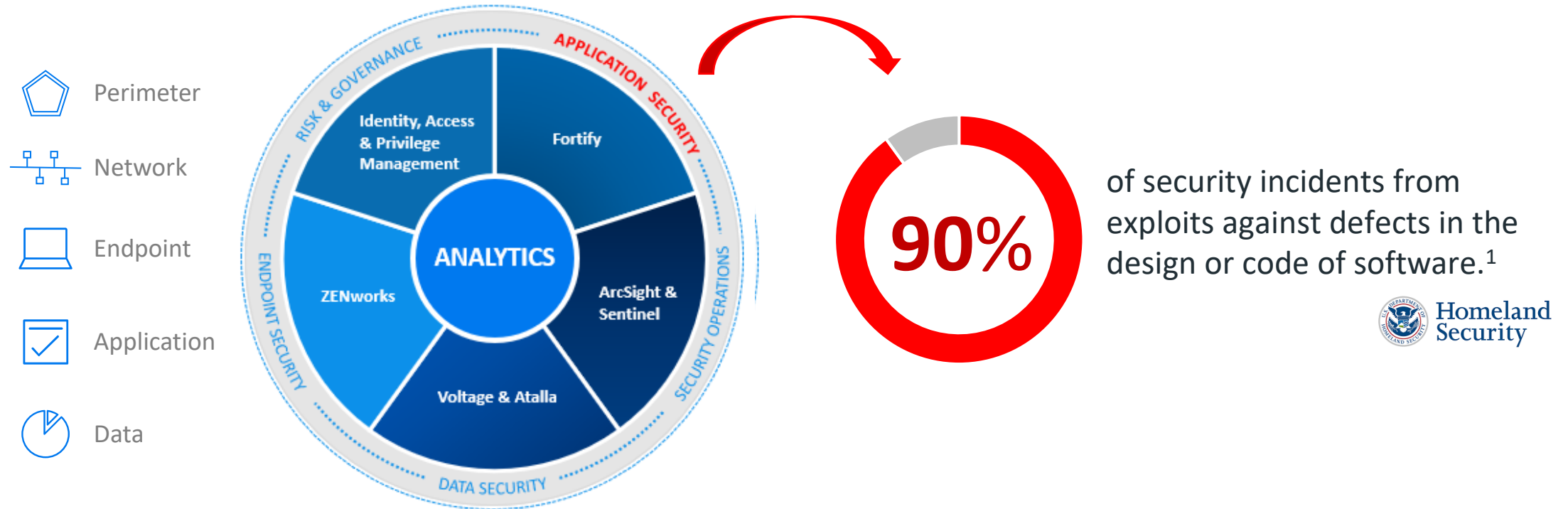


of apps

have critical or high
vulnerabilities not covered
by OWASP Top 10

Application security is more important than ever

The majority of security breaches today are from application vulnerabilities



Source: 1. U.S. Department of Homeland Security's U.S. Computer Emergency Response Team (US-CERT); 2. 2017 Application Security Research Update" by the Fortify Software Security Research team, 2017

Time to put the Sec into DevOps -- DevSecOps



**Application
security needs
to be
embedded
earlier in the
software
development
lifecycle**

Integration

- Make application security available
- Embed application security into tools

Automation

- Use automation to include security
- Track security defects as part of the SDLC

Agility

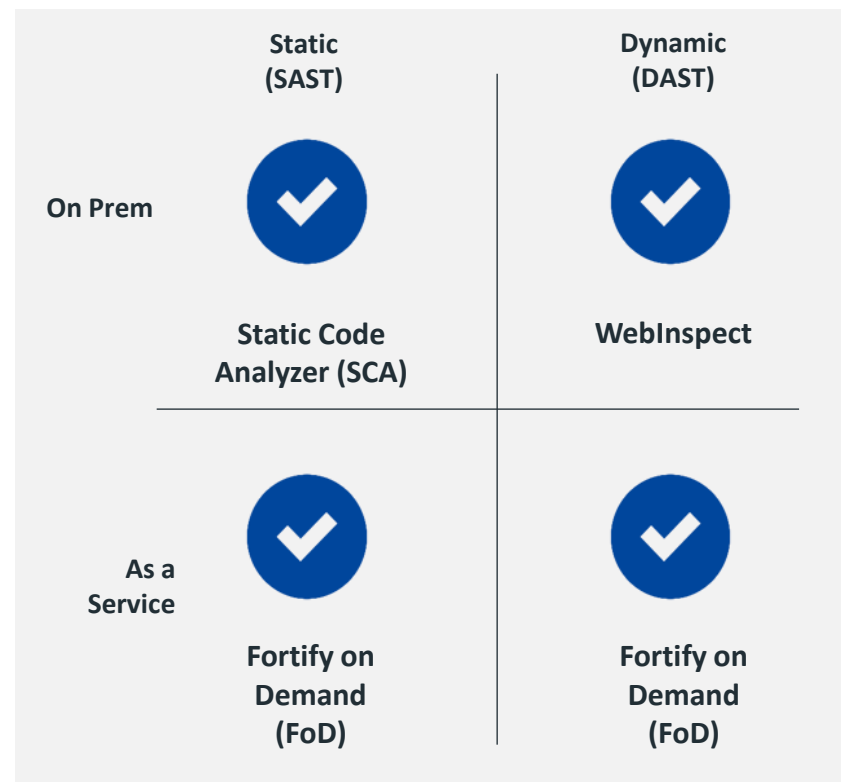
- Provide insight & results fast
- Provide relevant issues with suggested fixes

Fortify Portfolio



Build secure software fast with an application security platform that automates testing throughout the CI/CD pipeline to enable developers to quickly resolve issues.

- **Static Code Analyzer (SCA):** Analyzes source code for security vulnerabilities (SAST)
- **WebInspect:** Dynamic testing (DAST) analyzes applications in their running state and simulates attacks against an application to find vulnerabilities. Includes IAST agent.
- **Fortify on Demand (FoD):** AppSec as a Service, that includes SAST, DAST, and MAST.
- **Software Security Center:** Holistic application security platform included with on-premises solutions to get complete visibility of application security risks.
- **Sonatype:** Scans open source components for vulnerabilities
- **Application Defender:** Real-time protection & monitoring from attack on running applications (RASP)



Solutions that Align With DevSecOps Success



Integration



Automation



Speed

Backed by the Market Leading Software Security Research Team

1,022 Vulnerability Categories | 27 Programming Languages | 1M+ Individual APIs




Assess


Static assessments find critical security weaknesses during development

Static Assessments include:

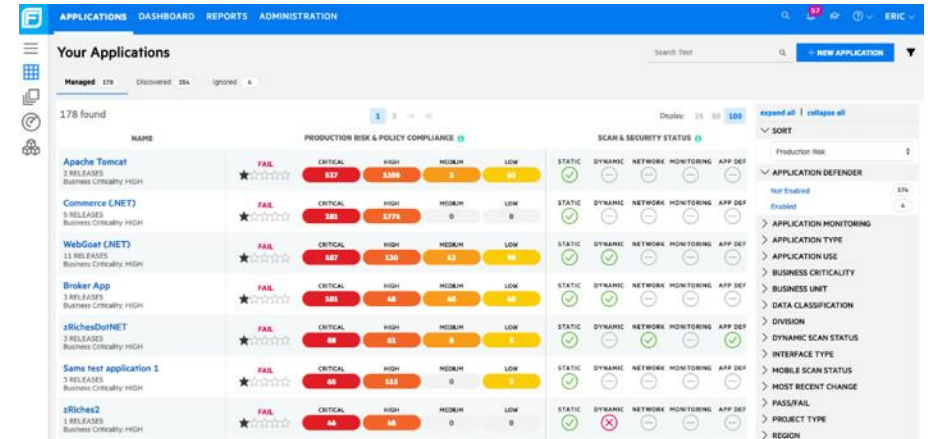
 Fortify Static Code Analyzer evaluation of source, binary or bytecode

 Software Composition analysis

 Automated audit of results by Fortify Scan Analytics

 Integrations into the SDLC

 Real-time identification with Security Assistant



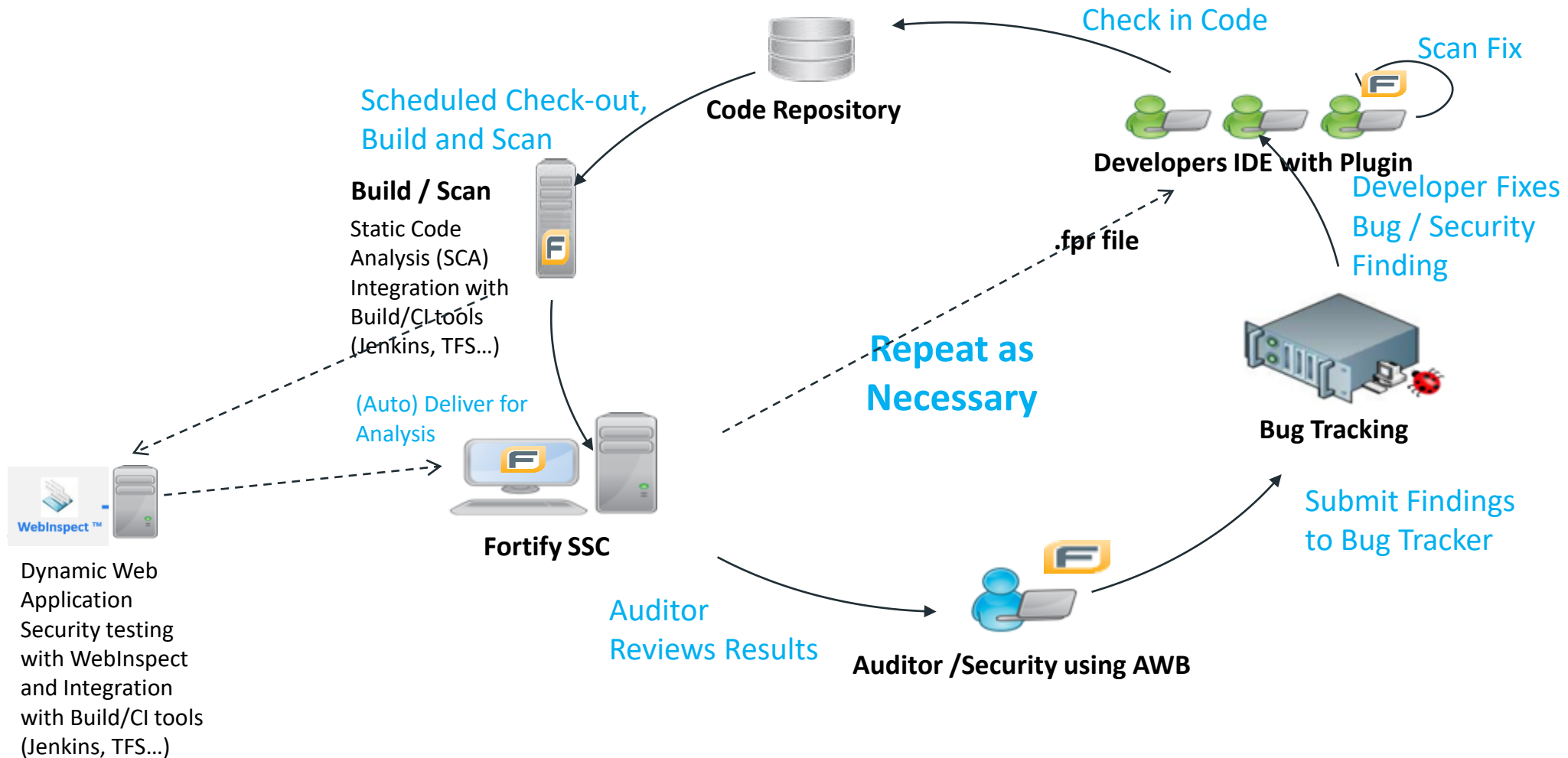
NAME	PRODUCTION RISK & POLICY COMPLIANCE	SCAN & SECURITY STATUS
Apache Tomcat	FAIL CRITICAL: 837, HIGH: 556, MEDIUM: 5, LOW: 0	STATIC: PASS, DYNAMIC: PASS, NETWORK: PASS, MONITORING: PASS, APP DEF: PASS
Commerce (NET)	FAIL CRITICAL: 385, HIGH: 3778, MEDIUM: 0, LOW: 0	STATIC: PASS, DYNAMIC: PASS, NETWORK: PASS, MONITORING: PASS, APP DEF: PASS
WebGoat (NET)	FAIL CRITICAL: 387, HIGH: 530, MEDIUM: 55, LOW: 0	STATIC: PASS, DYNAMIC: PASS, NETWORK: PASS, MONITORING: PASS, APP DEF: PASS
Broker App	FAIL CRITICAL: 385, HIGH: 48, MEDIUM: 48, LOW: 0	STATIC: PASS, DYNAMIC: PASS, NETWORK: PASS, MONITORING: PASS, APP DEF: PASS
iRichesDotNET	FAIL CRITICAL: 88, HIGH: 83, MEDIUM: 8, LOW: 0	STATIC: PASS, DYNAMIC: PASS, NETWORK: PASS, MONITORING: PASS, APP DEF: PASS
Same test application 1	FAIL CRITICAL: 48, HIGH: 543, MEDIUM: 0, LOW: 0	STATIC: PASS, DYNAMIC: PASS, NETWORK: PASS, MONITORING: PASS, APP DEF: PASS
iRiches2	FAIL CRITICAL: 48, HIGH: 48, MEDIUM: 0, LOW: 0	STATIC: PASS, DYNAMIC: FAIL, NETWORK: PASS, MONITORING: PASS, APP DEF: PASS

Why Fortify SAST?

- Integration with build / CI tools
- Comprehensive IDE plugins
- 27 coding languages
- 810+unique vulnerability categories
- Very fast scans
- Robust Reporting



Software Scanning Process (Typical)



Walkthrough



Fortify Credentials



Accuracy and depth of coverage lead the industry

Powered by Fortify Software Security Research

Accuracy of scans



100%

Fortify SCA true positive rate in the
OWASP 1.2b Benchmark



- Fortify SCA minimizes false negatives and then uses machine learning to reduce false positives
- A missed vulnerability can be more costly than the time it takes to review a false positive

Depth of coverage



1,018

Vulnerability categories detected



26

Programming languages supported



1,000,000+

Application programming interfaces covered

World's leading enterprises entrust their AppSec needs to Fortify



9 out of 10
of the largest information technology
companies



9 out of 10
of the largest banks



4 out of 5
of the largest pharmaceutical companies



5 out of 5
of the largest telecommunication
companies



3 out of 3
of the largest independent software
vendors



Federal
Strongest AppSec solution provider in
Federal space (FedRAMP Certified)



*"Micro Focus Fortify really addresses the needs
of the developers. It makes sense to them."*
- Damien Suggs, AppSec Director



*"This is a partnership to drive AppSec
modernization with Fortify on Demand to deliver
actionable, data driven results."*
- Rajan Gupta, VP, Product Security



★★★★★
Great Experience!"

★★★★★
*"Pleased with Micro Focus
for over a decade!"*



Antonio S
IT Applications Manager
Information Technology and Services
Mid-Market (201-500 employees)

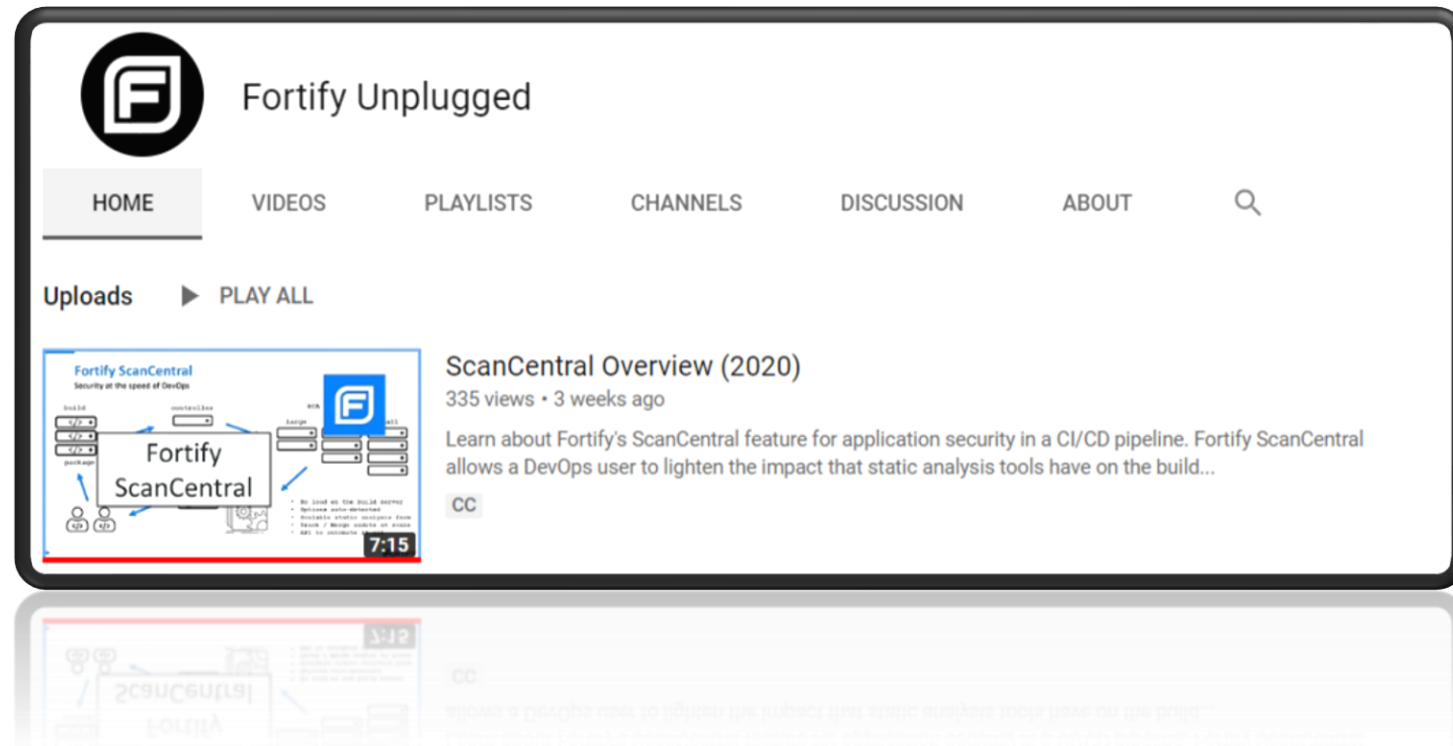


Anthony D
Critical Infrastructure Engineer
Real Estate
Enterprise (1001-5000 employees)



Subscribe to Fortify Unplugged for demo videos

Short demo videos show off our capabilities

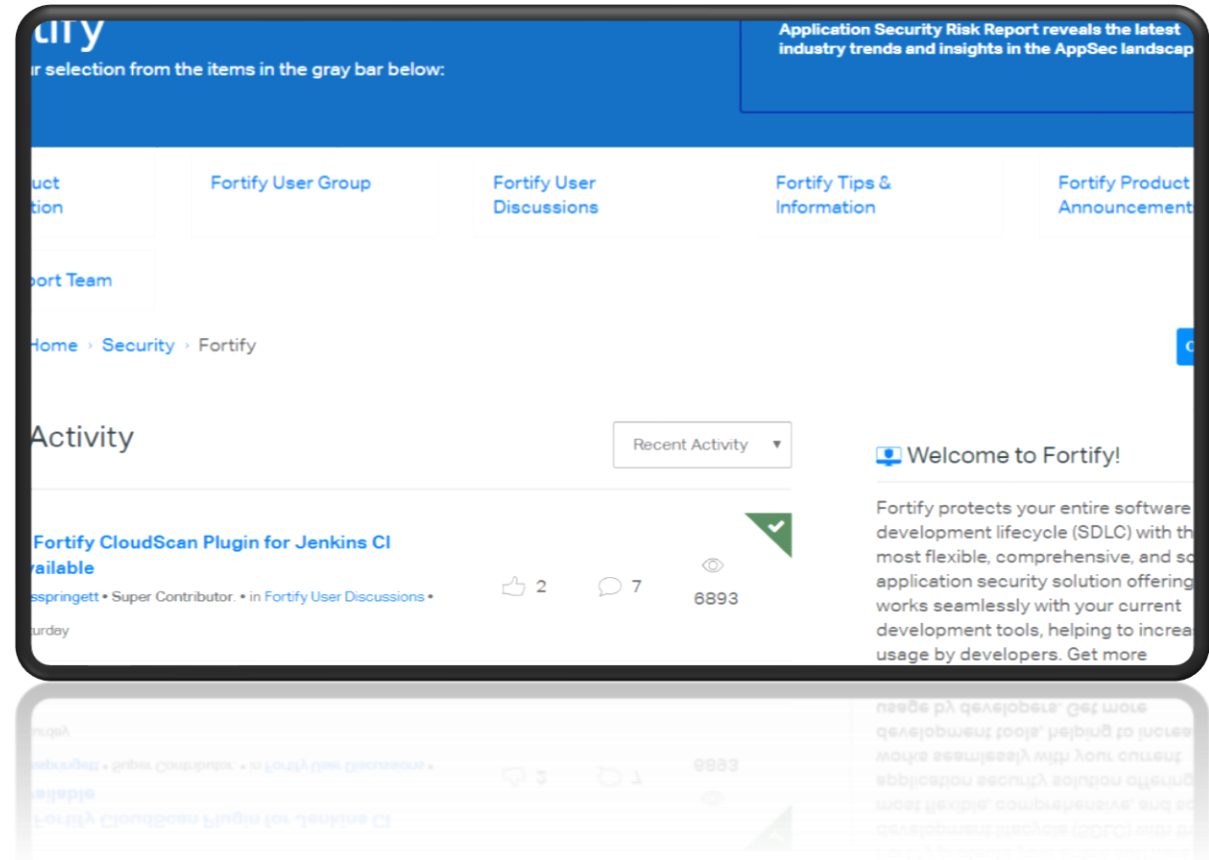


<http://www.youtube.com/c/FortifyUnplugged>

Fortify Online Community

Get Connected!

- Connect with peers and share your knowledge
- Find solutions and answers to your technical questions
- Stay informed on new releases and product enhancements
- Access downloads, demos, videos and support tips



<https://community.microfocus.com/t5/Fortify/ct-p/fortify>