# Three Ways to Power DevSecOps with InsightAppSec

There's no shortage of work for today's DevOps and application security teams. Between securing and deploying hundreds of complex web applications, complying with industry and government regulations, and keeping up with the latest threats and trends, a modern appsec program requires more than just the ability to crawl a web application interface. You need extended scanning coverage, accurate and actionable test results, and speedy remediation enabled by automation.

## 1. Bridge assessment and attack to increase coverage and accuracy

Rapid7's dynamic application security testing (DAST) solution, InsightAppSec, was built to provide comprehensive coverage for emerging technologies such as single page applications (SPAs), modern Javascript frameworks, APIs, and microservices. Not only does this eliminate potential gaps in your risk posture, but also saves your teams the time and resources normally spent tuning scans.

To make this process more intuitive, the Universal Translator feature in InsightAppSec accounts for various formats, protocols, and technologies (listed below), normalizes the traffic, then attacks the application to uncover vulnerabilities other solutions may overlook.

- SPA Frameworks (e.g. Knockout, Angular, React)
- API definitions (e.g. Swagger)
- Complex, manual authentication like CAPTCHAs or MFA (e.g. Bootstrap, Selenium)
- Shopping carts and other sequential workflows
- Mobile applications

## 2. Set quality gates so builds can fail fast and developers can remediate earlier

While modern web technologies and processes such as continuous integration/continuous delivery (CI/CD) have helped accelerate the pace of development, these same catalysts also make it difficult for scanners to effectively crawl and test your modern apps.

InsightAppSec integrates with Jenkins to help security teams work in parallel with application development teams and adopt a DevSecOps mindset. The InsightAppSec REST API integrates with your build process through the Jenkins plugin to automatically run scans of your web apps and determine the pass/fail status of the build depending on the results. You can configure this decision based on criteria such as maximum number of vulnerabilities allowed or vulnerability severity thresholds.

Using these two solutions in tandem enables you to identify security bugs earlier in the software development lifecycle (SDLC, where they are less costly to fix), automate handoffs between security and development teams, and ultimately reduce the number of vulnerabilities exposed to attack.

## 3. Integrate with development's workflows, processes, and tools

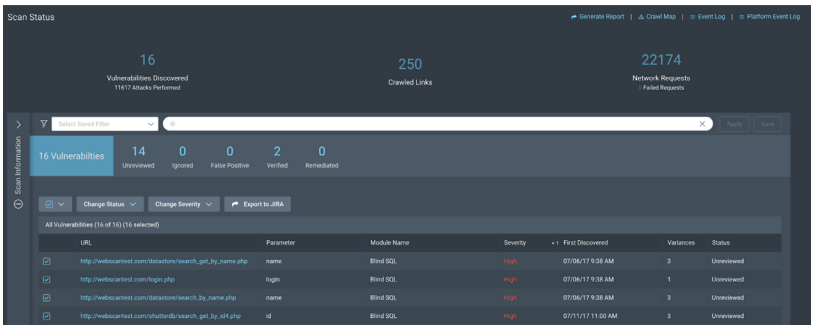


**Figure 1: InsightAppSec integrates with Jira to expedite the remediation of application vulnerabilities.**

To make efficient remediation a reality, your teams must understand each others' priorities, workflows, and processes. InsightAppSec integrates with the Atlassian Jira ticketing system to allow application vulns to be exported directly to Jira for immediate developer visibility. Streamlining and automating this process allows your security and operations teams to stay on the same page, and move forward in lock-step towards a stronger risk posture.

Many teams manage remediation efforts by generating CSV or PDF reports hundreds of pages long, and spend hours translating the results into actionable next steps. The integration between InsightAppSec and the Jira Software cloud lets you automate the creation and assignment of tasks based on pre-configured rules. How does this help you and your team?

- Share application vulnerability results with other teams through a tool and process they're accustomed to.
- Create targeted and precise tickets automatically with rules that can be reused across projects.
- Customize ticketing templates to include as much security context (such as issue type and severity) as needed for efficient remediation.

## About Rapid7

Rapid7 (Nasdaq: RPD) is advancing security with visibility, analytics, and automation delivered through our Insight cloud. Our solutions simplify the complex, allowing security teams to work more effectively with IT and development to reduce vulnerabilities, monitor for malicious behavior, investigate and shut down attacks, and automate routine tasks. Customers around the globe rely on Rapid7 technology, services, and research to improve security outcomes and securely advance their organizations.

**To learn more about Rapid7 or get involved in our threat research, visit** www.rapid7.com.

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