

Jama Connect® Enables DevSecOps Through Robust API and Integrations That Connect All Activity to Requirements

DevSecOps involves integrating security into all phases of the software development lifecycle. Rather than waiting to start analysis of potential vulnerabilities until after the software product, system, or subsystem is completed, this strategy puts security at the center of software development from the start to identify issues when the cost of resolving them is lowest. It also enlists everyone to play a part in identifying, assessing, and mitigating security risks in their individual development-related activities.

Comprehensive Security Risk Management and Seamless Tool Integration

The biggest challenge in achieving DevSecOps success is the need to assess and manage security risks across all software development tools and teams in an efficient and comprehensive manner. DevSecOps leaders choose Jama Connect because it is the only requirements management solution that provides the automation and collaboration required. Its robust REST API provides alignment with an integrated CI/CD pipeline including Jira, Azure DevOps, Git, GitLab, Subversion, Jenkins, Splunk, Kubernetes, Visual Studio, and Coverity. The Jama Connect platform delivers Live Traceability™, connecting all DevSecOps activity to the singular common element that defines value across all steps in the process — the requirement. It provides intuitive, accessible collaboration and review capabilities for internal and external teams.

Enable Cybersecure-by-Design Compliance with DO-326A Standards

Jama Connect for Airborne Systems supports a DevSecOps strategy by applying a cybersecure-by-design approach to meeting DO-326A standards. With Live Traceability, Jama Connect overcomes the disconnectedness of processes in the tool ecosystem that causes certification delays, cost overruns, product failures, audit findings, late identification of defects, and lack of visibility. It makes change management between software and hardware easier and reduces the effort needed to demonstrate requirements and test traceability required for certification.

KEY BENEFITS:

- **Integrate security across all DevOps and testing software**

Jama Connect's robust open REST API and market-proven integrations with best-of-breed DevOps and testing software tools make it possible to connect all DevSecOps activity to the common element that defines value across all steps in the process — requirements.

- **Start identifying security vulnerabilities early in the development process**

Jama Connect reduces the risk of releasing code with security vulnerabilities by focusing on security requirements and testing from the early stages of development.

- **Empower the entire team to contribute to DevSecOps**

Jama Connect's easy-to-use collaboration and review capabilities provide an inclusive, safe, and collaborative environment for internal and external development, security, and operations teams to build software that is efficient and secure.

Managing DevSecOps in Jama Connect

Pre-Production

1. Plan

Threat modeling, tracing to mitigations and security requirements, iterative requirements review and approval

2. Build

Pre-commit hooks, software composition analysis, SAST, DAST, code review, requirements traceability review, vulnerability scanning

3. Test

Security requirements-based testing and DAST and Live Traceability between Jama Connect and test & development tools

Production

4. Deploy

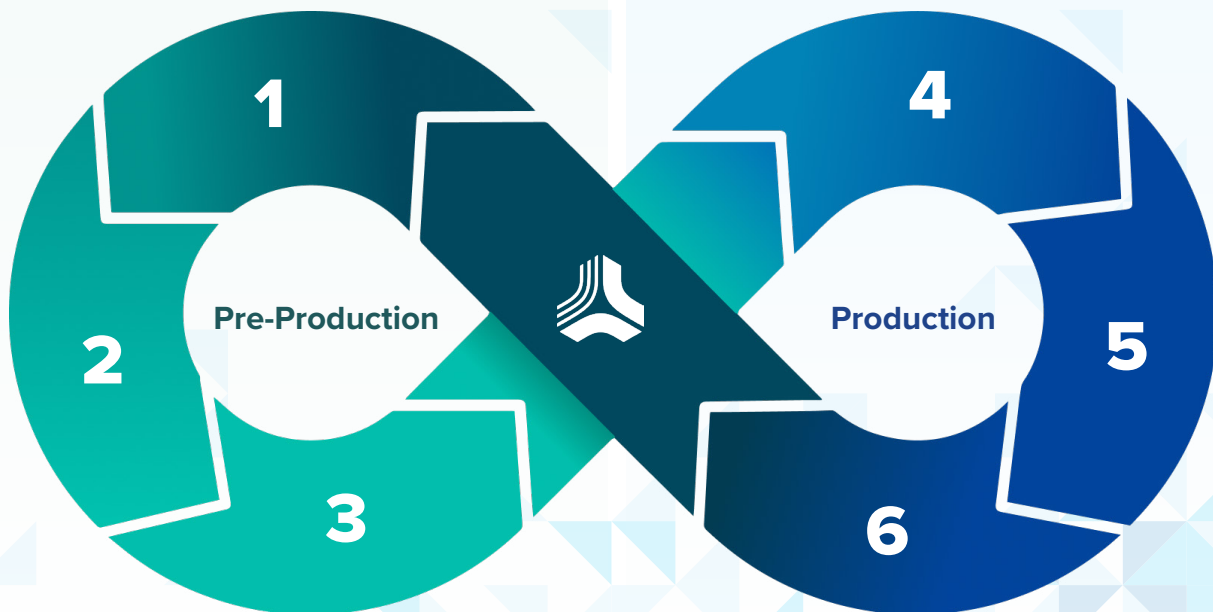
Access and configuration management, chaos engineering, pen testing, full traceability of deployment artifacts to test cases and requirements

5. Operate

Log collection, RASP, Patching, WAF, defect tracking traced to development and security requirements

6. Monitor

SEIM, vulnerability monitoring, access control, user feedback and collaboration on change



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Jama Software® is focused on maximizing innovation success in multidisciplinary engineering organizations. Numerous firsts for humanity in fields such as fuel cells, electrification, space, software-defined vehicles, surgical robotics, and more all rely on Jama Connect® requirements management software to minimize the risk of defects, rework, cost overruns, and recalls. Using Jama Connect, engineering organizations can now intelligently manage the development process by leveraging Live Traceability™ across best-of-breed tools to measurably improve outcomes. Our rapidly growing customer base spans the automotive, medical device, life sciences, semiconductor, aerospace & defense, industrial manufacturing, consumer electronics, financial services, and insurance industries. To learn more, visit us at: jamasoftware.com.