

# SECURE YOUR JAVA APPLICATION

STATIC CODE ANALYSIS by RIPS TECH

## CAN YOU TELL IF YOUR JAVA APPLICATION IS SECURE?

Cyber criminals try to exploit security vulnerabilities in the application source code every day. A single line of Java code can lead to data theft, website infection with malicious software, or a complete takeover of the underlying web server. Sensitive customer data and intellectual property have to be protected at all costs.

**29% OF CONFIRMED BREACHES WERE CAUSED BY WEB APPLICATION ATTACKS**

**84% OF WEB APPS HAVE AT LEAST ONE SEVERE VULNERABILITY**

**EVERY 1,000TH LINE OF CODE INTRODUCES A SECURITY RISK**

**MANUAL DETECTION** of all security vulnerabilities in modern Java applications with hundreds of thousands of lines of code requires deep security knowledge, is time-consuming, and is **impossible for fast-driven development.**

**DYNAMIC BLACKBOX TOOLS** perform a lightweight scan from the outside of a fully deployed web application by testing **only for known attack patterns** without the ability to cover all internal application features. Thus, **sophisticated issues are missed.**

## DETECT REAL SECURITY ISSUES WITHOUT FALSE POSITIVE NOISE

RIPS performs **static code analysis** on the source code of an application without deploying or running the application. Our analysis algorithms are dedicated to each programming language for the **most precise data flow analysis** possible.



With innovative analysis algorithms that were awarded with the **Internet Defense Prize** by Facebook, even complex vulnerabilities are detected that no other solution is able to find. Code developers and security analysts use RIPS to ensure that security vulnerabilities do not remain undetected in the code.

**UNMATCHED ACCURACY**  
Detection of real security issues without false positive noise.

**REVOLUTIONARY PERFORMANCE**  
Scan even millions of lines of code in a few minutes.

**UNIQUE JAVA DEDICATION**  
Dedicated to Java for the most accurate analysis.

**DETECT ISSUES AS EARLY AS POSSIBLE**  
Save time to market and reduce risks of attacks.

**FIX AT THE LOWEST COST POINT**  
Getting things right the first time costs less.

**100% CODE COVERAGE**  
Support of all Java versions and major frameworks.

## RIPS' FEATURES FOR AN EFFICIENT VULNERABILITY RESOLUTION MANAGEMENT

### TEAM COLLABORATION

Issue priority and user privilege management

### CODE SUMMARY

Navigate through affected code lines

### APP RESCAN

Measure concrete progress in security

### FILTER + EXPORT

Search, filter and export security issues

### PATCH GUIDE

Detailed vulnerability resolution guide

### ANALYSIS PROFILES

Customize code analysis to your application

### SUPPORTED INDUSTRY STANDARDS



Top 10 list of vulnerabilities



Top 25 list of most dangerous errors



MITRE CWE classification



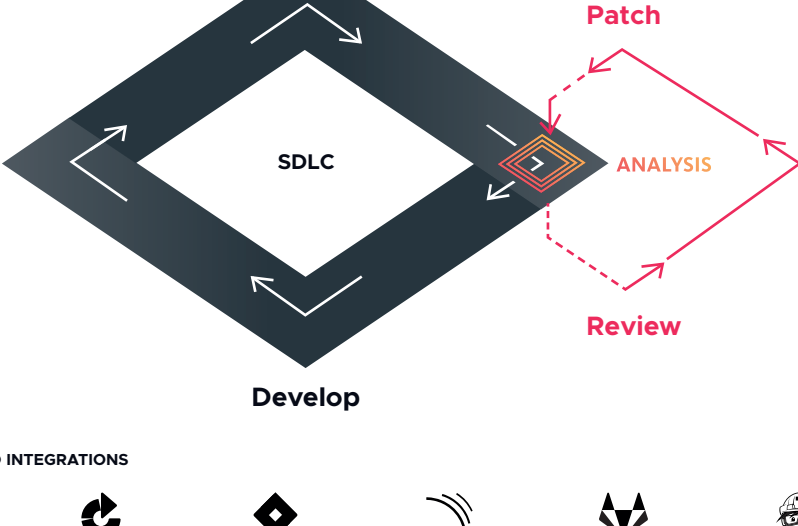
PCI DSS compliance for payment card data



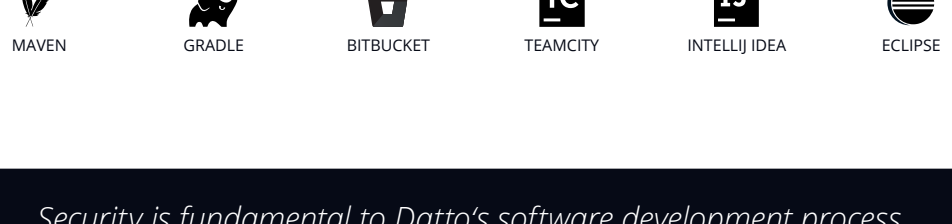
HIPAA compliance for health information

## INTEGRATE SECURITY, FOCUS ON DEVELOPMENT

Both our **extensive API** and **CLI tool** allow to easily integrate RIPS' security analysis and its results into the software development life cycle. This enables continuous security checks that alert as soon as a new vulnerability is introduced to the code. RIPS can be integrated into all major CI/CD, bug tracking tools, and IDEs.



### SUPPORTED INTEGRATIONS



*Security is fundamental to Datto's software development process. RIPS and its easy integration into our DevOps tools enables us to manage our risks and to detect vulnerabilities earlier in the development cycle before the code moves into production. In our evaluation we chose RIPS because it offers meaningful and accurate results for our custom API implementation as well as for popular frameworks. The continual support from the RIPS team is timely and exemplary.*

— Sachin Shetty, Application Security Manager - Core Products, Datto



### Examples of critical vulnerabilities DETECTED BY RIPS, MISSED BY OTHERS

Open Source Vulnerabilities	Path Traversal	Remote Command Execution
<ul style="list-style-type: none"> <li>BITBUCKET 6.0.1</li> <li>WORDPRESS 5.0.0</li> <li>MAGENTO 2.3.0</li> </ul>	<ul style="list-style-type: none"> <li>ROUNDROBIN 1.2.2</li> <li>MOODLE 3.4.2</li> <li>JOOMLA! 3.7.5</li> </ul>	

> [WWW.RIPSTECH.COM/BLOG](http://WWW.RIPSTECH.COM/BLOG)

## PRODUCT EDITIONS



**ON-PREMISES**  
Install RIPS on your own local server, control resources and data.



**SOFTWARE-AS-A-SERVICE**  
Get access to our secure and scalable code analysis platform.

Subscription	On-Demand	License Period	Subscription	On-Demand
1 year	30 days		1 year	30 days
●	●	Security Analysis	●	●
●	●	Code Quality Analysis	●	●
●	●	Misconfiguration Analysis	●	●
●	●	Team Collaboration	●	●
●	●	API Access	●	●
●	●	Integrations	●	●
●	●	Unlimited Scans		
●	●	Offline Usage		

REQUEST YOUR QUOTE AT [www.ripstech.com/contact](http://www.ripstech.com/contact)

*We evaluated a few products and chose RIPS because it performs really well, and has a strong ability to follow tainted data across the scanned application – which is very important for any SAST solution.*

*Further, our security champions learn more from RIPS findings, as they gain a much better understanding of the vulnerabilities discovered.*

— Dinis Cruz, Application Security Specialist



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