

Polaris Software Integrity Platform™

The Polaris platform delivers highly scalable Static Application Security Testing (SAST) and Software Composition Analysis (SCA) for your Enterprise

Overview

Polaris combines the best-of-breed scanning technologies with security expertise to deliver the most advanced and comprehensive application security solution on the market. Our fAST Application Security Testing ("fAST") offerings are delivered as a cloud-based solution, with a set of rich APIs and highly intuitive web interface that makes it easy to run static app sec testing and software composition scanning and assessment at scale.

Key benefits

- **Flexibility** - On-demand and easy-to-use SaaS platform empowers you to manage and monitor your application scanning and assessments 24 x 7
- **Concurrent scanning** - Assess applications leveraging our market leading SAST and SCA analysis engines
- **Scalability** - Whether your organization requires testing for a single application or thousands, Polaris delivers a single, unified platform to meet your needs
- **Enterprise visibility** - Insightful executive-level dashboards provide a holistic view of your application portfolio
- **Automate and integrate** - Quickly and easily integrate into existing developer and DevOps workflows and pipelines without the added complexity
- **Expert vulnerability triage** - Polaris application security experts will review and reduce false positives in your findings result. Our comprehensive assessment approach includes a thorough analysis of results, detailed and accurate reporting, and actionable remediation guidance

The screenshot displays the Synopsys Polaris interface for OWASP WebGoat. The main panel shows a table of detected issues:

Issue Type	Location	Filename/Origin	Tool Type	Triage Status	CWE	Vulnerability ID
Improper Control of Genera...	Spring Framework 5.3.4	N/A	SCA	Not Triage	CWE-94	CVE-2022-22965
Insecure Object Deserializat...	jackson-databind 2.9.8	N/A	SCA	Not Triage	CWE-502	CVE-2020-36181
Insecure Object Deserializat...	jackson-databind 2.9.8	N/A	SCA	Not Triage	CWE-502	CVE-2020-35728
Insecure Object Deserializat...	Spring Framework 5.2.13.RELE...	N/A	SCA	Not Triage	CWE-502	CVE-2016-1000027
SQL Injection	master/webgoat-lessons/sql-...	SqlInjectionLesson5...	SAST	Not Triage	CWE-89	N/A
SQL Injection	master/webgoat-lessons/sql-...	SqlInjectionLesson5...	SAST	Not Triage	CWE-89	N/A
SQL Injection	master/webgoat-lessons/sql-...	SqlInjectionLesson...	SAST	Not Triage	CWE-89	N/A

The detailed view for the selected SQL Injection issue shows the following code snippet:

```

1. "username" is an empty point function.
2. The "userId" is tainted.
3. Calling "injectableQuery" with the tainted value "userId" to the SQL API may allow an attacker to inject SQL. (The virtual call resolves to "org.owasp.webgoat.sql_injection.advanced.SqlInjectionLesson5.injectableQuery(java.lang.String)")
  
```

Key features

fAST Static

Polaris fAST static analysis offerings allow organizations to perform white box testing, which enables security teams as well as developers to use automated scanning tools to find potential flaws in the code.



fAST SCA

Polaris fAST SCA offerings allow organizations to perform software composition analysis, helping teams manage security risks in package management solutions. Vulnerabilities are prioritized for remediation based on criticality.



Expert analysis

Our expert teams are integrated into the assessment process and will review and reduce false positives in your scans. Our experts deliver results that are actionable for your teams.



Integrations

To automate application security solutions in a high-velocity, agile development pipeline, organizations must use tools capable of integrating into the pipeline at all stages.



Policy

As a part of your assessment process, Polaris may perform actions when policy violations occur. Our easy-to-use platform allows rules to be setup within minutes.



Insights

Polaris enables you to measure and improve the effective risk posture of your applications. The insights allow businesses to better manage risk and meet their critical KPIs.



Solutions

	Polaris SCA Subscription	Polaris SAST No Triage Subscription	Polaris SAST Subscription	Polaris Package SCA/SAST
Automated SAST scanning		●	●	●
Automated SCA scanning	●			●
Unlimited number of scans	●	●	●	●
Up to five projects	●	●	●	●
Up to five concurrent scans per application	●	●	●	●
First triage included			●	●

Polaris | Language and Package Manager support

SAST Languages

- APEX
- C/C++
- C#
- Go
- Java
- JavaScript
- Kotlin
- Objective-C/C++
- PHP
- Python
- Ruby
- Swift
- TypeScript
- Visual Basic

SCA Language & Package Manager Support

- Bazel
- BitBake
- Cargo
- Carthage
- C/C++ (Clang)
- Conan
- Conda
- Dart
- Erlang/Hex/Rebar
- Git
- GoLang
- Gradle
- Ivy (An)
- Lerna
- Maven
- NPM
- NuGet
- pnpm
- Python
- SBT
- Swift & Xcode
- Yarn

The Synopsys difference

Synopsys provides integrated solutions that transform the way you build and deliver software, accelerating innovation while addressing business risk. With Synopsys, your developers can secure code as fast as they write it. Your development and DevSecOps teams can automate testing within development pipelines without compromising velocity. And your security teams can proactively manage risk and focus remediation efforts on what matters most to your organization. Our unmatched expertise helps you plan and execute any security initiative. Only Synopsys offers everything you need to build trust in your software. investments to build the security program that's best for them. Only Synopsys offers everything you need to build trust in your software.

For more information about the Synopsys Software Integrity Group, visit us online at www.synopsys.com/software.

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