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KNOW WHAT'S IN YOUR CODE

OSS Inspector

The Smarter Approach to Open Source Compliance and Security

OSS Inspector Benefits:

- Inspect a Gradle project for OSS components
- Present to the user a full dependency tree of OSS components
- Show OSS components' metadata
- Component, Version, License, Vulnerabilities
- Supports IntelliJ IDE for Java & Kotlin projects using Gradle as build tool
- Free with Revenera SCA offering

Today, developers are integrating more than 80 percent of Open Source Software (OSS) into their proprietary applications, accelerating innovation and transforming the technology landscape. This widespread adoption of OSS not only speeds up time to market but also drives forward-thinking solutions that revolutionize industries. Open Source Software offers IT and manufacturing organizations numerous advantages, including adaptability, cost-effectiveness, and a more collaborative development environment. These benefits make OSS an indispensable asset for businesses aiming to stay competitive in a rapidly evolving market.

However, the extensive use of Open Source Software comes with significant responsibilities. Organizations must actively manage the associated risks, including security vulnerabilities, license compliance, and code quality. In this new environment, data breaches and compliance failures are real threats that can have serious consequences. OSS Inspector

provides a time-efficient solution to address these challenges, offering a comprehensive approach to managing your open source compliance and security needs. By using OSS Inspector, companies can harness the power of Open Source while mitigating the risks, ensuring that their innovations are secure, compliant, and reliable.

How the OSS Inspector Plugin Can Help?

Developers need OSS Inspector to gain a complete understanding of the dependency tree before introducing any new components into their code. By providing insights into Open Source components prior to check-in, OSS Inspector helps developers save significant time and effort, avoiding costly issues later in the development cycle. It also prevents the injection of components with copyleft licenses or security vulnerabilities from the outset, ensuring that your code remains secure and compliant right from the start.

The Revenera OSS Inspector plugin enables developers using IntelliJ IDEA (an Integrated Development Environment, or IDE) to examine—within the IDE itself—the licenses and security vulnerabilities associated with the open-source software (OSS) components used in their application code (represented by a project in the IDE). Developers can immediately assess security risks to determine whether they require further review and remediation without leaving the IDE.

Essential Insights for Safe and Compliant Open Source integration

■ **Component Name and Version:** Knowing the exact component and version helps you manage and track the specific software you're using, ensuring that you're aware of what is being integrated into your project.

■ **PURL (Package URL):** The PURL gives you a consistent and reliable way to identify and locate the software package, which is essential for tracking updates, patches, and dependencies across different systems and tools.

■ **Licenses:** Understanding the licenses associated with a component is crucial for legal compliance. Different licenses have different obligations, and using the wrong one could lead to legal issues or restrictions on how you can use your software.

■ **Vulnerability ID:** The Vulnerability ID helps you quickly identify any known security issues with the component. By being aware of these vulnerabilities, you can take steps to mitigate them, such as applying patches or choosing a different component.

■ **Severity:** The severity level tells you how critical a security vulnerability is. This helps you prioritize which issues to address first, focusing on those that pose the greatest risk to your project.

■ **Score:** The CVSS score provides a detailed assessment of the risk posed by a vulnerability, allowing you to make informed decisions about whether to use or update a component.
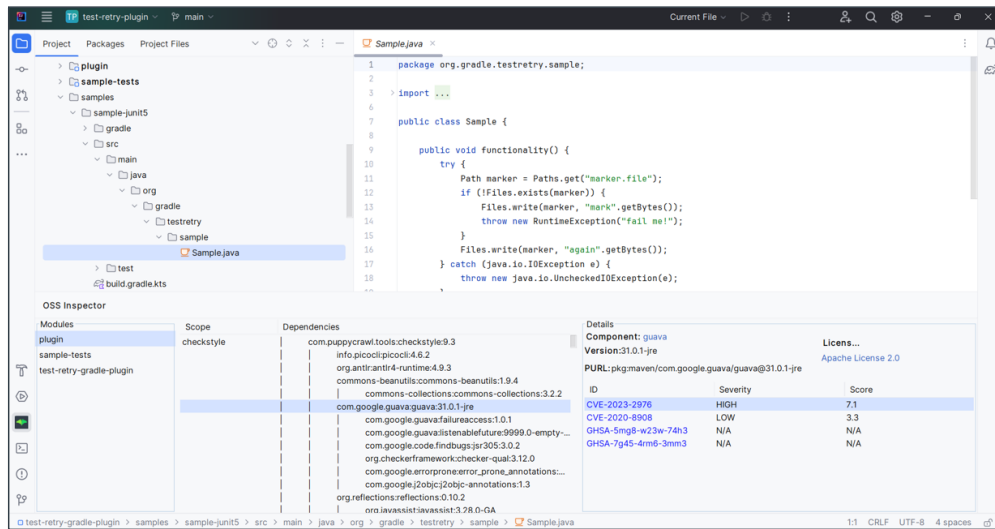
Dependency Tree with Component and Vulnerability details in OSS Inspector

NEXT STEPS

Visit Revenera to learn more about the value of OSS Inspector.

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