Synopsys Unveils Coverity Enhancements to Extend Breadth, Depth, and Scalability of Enterprise Application Security Testing

Latest Product Release Bolsters Software Integrity Offering for Enterprise Security Teams

MOUNTAIN VIEW, Calif., Jan. 15, 2019 /PRNewswire/ -- Synopsys, Inc. (Nasdaq: SNPS) today announced the availability of a new version of its Coverity® static application security testing (SAST) solution, which enables organizations to build secure applications faster. The latest release of Coverity addresses three increasingly important needs for enterprise application security teams: scalability, broad language and framework support, and comprehensive vulnerability analysis.

"While application vulnerabilities continue to be the most common vector for cyberattacks, organizations are expanding their application portfolios and relying heavily on software to perform critical business functions and deliver customer value," said Andreas Kuehlmann, co-general manager of the Synopsys Software Integrity Group. "This means enterprise application security teams need to be able to assess their growing and increasingly diverse application inventories for vulnerabilities, while minimizing impact to their development velocity and business operations. The latest Coverity release enables security teams to do just that by extending our world-class static analysis technology to a wider range of applications and making it easier than ever to implement and scale across large application portfolios."

Scalable SAST for enterprise security teams

Coverity enables enterprise organizations to scale their SAST efforts across large application portfolios. The latest Coverity solution now includes a feature called 'analysis without build' that allows security teams to onboard and analyze thousands of applications quickly and easily. Security teams can now simply point Coverity to a source code project and begin analyzing in seconds, without first having to do a full build operation for each application. Unlike other SAST solutions, Coverity automatically detects project types and fetches the dependencies that would normally be incorporated in the build process. Use of this new feature ensures comprehensive analysis and eliminates the need to manually declare dependencies.

Broad language and framework support

The ecosystem of programming languages and frameworks used to build applications is expanding, and SAST tools need to understand how each one works in order to be effective. To address the needs of enterprise organizations with diverse application portfolios, Synopsys has significantly expanded Coverity's language and framework coverage. The latest Coverity release introduces support for TypeScript, .NET Core, Swift 4.1, and Ruby on Rails, as well as more than 50 different frameworks for Java, JavaScript, C#, including Angular, React, and Vue.

Comprehensive vulnerability analysis

The Coverity analysis engine utilizes a variety of techniques to look at code in different ways and find the most actionable and critical security vulnerabilities. In response to the growing popularity of frameworks, the latest Coverity release includes dramatically improved framework analysis, which allows customers to more accurately detect client-side and back-end web services vulnerabilities. Coverity can also now analyze JavaScript framework templates, which are a popular means of client-side data binding. Coverity can now scan the HTML generated on the fly from such templates to find additional cross-site scripting vulnerabilities.

Click to learn more about Coverity static analysis.

About the Synopsys Software Integrity Platform

Synopsys Software Integrity Group helps organizations build secure, high-quality software, minimizing risks while maximizing speed and productivity. Synopsys, a recognized leader in application security, provides static analysis, software composition analysis, and dynamic analysis solutions that enable teams to quickly find and fix vulnerabilities and defects in proprietary code, open source components, and application behavior. With a combination of industry-leading tools, services, and expertise, only Synopsys helps organizations maximize security and quality in DevSecOps and throughout the software development life cycle. Learn more at www.synopsys.com/software.

About Synopsys

Synopsys, Inc. (Nasdaq: SNPS) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 15th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP and is also growing its leadership in software security and quality solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors,

or a software developer writing applications that require the highest security and quality, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at https://www.synopsys.com/.

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