

UROS

Exposing licensing and dependency conflicts in real time

Company overview

Since 2011, the Finnish multinational technology company UROS has led with imaginative engineering and a passion for challenging the status quo. UROS specializes in IoT, offering consumer and IoT connectivity solutions, along with cloud-based service platforms and connected hardware.

Its industry-leading solutions are grounded in a determination to make complex technologies simple for customers.

The government of India [selected](#)

The challenge: Implement automated capabilities of its [GitHub](#) and open source visibility into dependencies and corporate licensing obligations to its DevOps transformation. This challenge drove the [source security solution](#) capable of scaling to the growth of its [automated insight into dependencies, license conflicts](#)

The solution: Synopsys application security testing tools

UROS adopted Synopsys Black Duck® to help secure its open source and provide key insight into licensing conflicts and dependencies. The reasons for this choice included:

- Black Duck is a comprehensive [software composition analysis](#) (SCA) solution for

“Black Duck has helped us understand our overall security status, and find and fill security holes.”

—Jari Korhikoski, Chief Architect

The results: Improved visibility, increased automation

Prior to implementing Black Duck, the company's open source was managed manually, with GitHub and custom-built open source scanners. This was not only labor-intensive, but it failed to identify hidden security concerns. UROS also couldn't scale this approach across its growing business and suspected that there were a multitude of unidentified concerns that needed to be addressed.

Korhikoski noted numerous benefits that UROS now enjoys from the implementation of Black Duck—some of which were unexpected. While Korhikoski was not surprised that Black Duck provided “great license coverage and improved visibility on hidden issues,” he said his team didn't anticipate the overall improvement to its security practices. “[Our] security and services are becoming better—we have improved our security stance,” he said.

UROS was surprised by the implicit dependencies in the software found in the first tests. The team was able to immediately identify both licensing concerns and dependencies quickly and with little effort, helping to jumpstart the security initiative.

Fundamental to the company's DevOps journey is the introduction of automation, wherever possible, into its pipeline. With Black Duck, Korhikoski stated that security is now “...an ongoing process. Rather than ad hoc, security is automated, giving us a full understanding of our software stack.” Crucial to this automation are Black Duck's real-time results. Korhikoski noted that they hadn't seen this capability in other solutions. “[Black Duck] offers updating of previous scans, while you get results, all in real time. Notifications of these results let you make the right decisions.”

With the help of Black Duck, UROS has seen its security posture rapidly improving, and now matching the reliability and reputation of its product offerings, solidifying its track record as a proven and trusted software provider.

The Synopsys difference

Synopsys helps development teams 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.

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

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