Thorough Analysis, Fast Results, and Peace of Mind for Dextra Tech With Black Duck Audits

Full identification of third-party code

The use of downloaded open source code fragments is considered a viable resource by developers all over the world. Third-party code reuse saves development time and resources, allowing new application capabilities to be implemented quickly, efficiently, and at scale. Analysts such as Gartner note that open source components compose up to 90% of some applications.

As with many companies whose services include design and development of software for customers, Dextra Tech's applications often use a mix of custom-built code, commercial software, and open source components. To have a third-party double-check of the code they were delivering to customers, Dextra wanted to validate their inventory of the open source components they had in use (also known as a “bill of materials,” or BOM).

“In addition to our existing processes and toolchain, which include checklists, tools, and engineering practices for usage of third-party open source code, we required a solution that goes beyond the typical checks for open source identification,” says Leonardo Leiva, delivery manager of digital transformation at Dextra Tech.

License identification is an important part of open source management to assure compliance with any obligations, restrictions, or conflicts associated with a specific component. Equally important is the capability to identify versions and patch status of third-party components for potential security and quality risks.

To get the best of both worlds and identify any license, security, or code quality issues that could affect their software assets, Dextra Tech turned to Synopsys’ Black Duck Audits.

“Black Duck was the logical choice,” says Leonardo Leiva. “We knew that Black Duck was being used by our customers, and that Black Duck Audits are a known market leader.”
The solution: Black Duck Audits

Black Duck Audits have been the most trusted open source due diligence solution for both internal compliance and mergers and acquisitions for the past 15 years. Black Duck Audits can help organizations:

- Mitigate potential legal exposure by uncovering unknown open source software and third-party code.
- Detect open source license conflicts, security vulnerabilities, and other risks that may affect software asset values.
- Identify, understand, and test software security vulnerabilities and expose potential security gaps in proprietary software.
- Get an overall sense of the quality of the software and how well software development is managed.

Results: A complete picture of third-party code in use

The Black Duck open source and third-party code audit gave Dextra Tech the complete picture they needed of what was in their source code, including open source license obligations, potential security issues, and code quality risks. With that bill of materials in hand, Dextra Tech could deliver their code with added confidence.

"The report we received was clear and comprehensive," says Leonardo Leiva. "We especially appreciated that a Black Duck Audit expert was available to review the results of the report and to clarify any questions that we had."

"Black Duck confirmed our third-party software validation practices," he adds. "Softegrity SpA, a Synopsys Software Integrity reseller partner, helped to support the relationship between Dextra Technology and Black Duck for this process. With Black Duck and Softegrity, we have partners that we can use to continue strengthening our internal toolchain so that we maintain a high standard of source quality, avoiding potential risks."

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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