

Safeguard Sensitive Information in Your Financial Applications



Minimize your risk of a data breach by managing open source vulnerabilities and structuring application security policies for regulatory compliance, without impeding agile development processes

Find and fix vulnerabilities for regulatory compliance

Modern financial firms rely on desktop, mobile, and web-based applications to deliver services to their clients, giving rise to the burgeoning financial technology (FinTech) industry that builds many of these applications. These solutions are powered by both custom and open source code, a combination that allows for rapid development, enhanced functionality, and lower up-front cost.

Mitigate risk exposure in financial applications

Our annual [Open Source Security and Risk Analysis \(OSSRA\) report](#) reveals that financial services and FinTech have an average of 170 open source components and 52 vulnerabilities per application. Often, these vulnerabilities go unnoticed owing to undeclared open source components introduced during development. Left unchecked, these vulnerabilities expose your applications, and the data they collect, to hackers seeking to exploit weaknesses in applications for easy access to sensitive financial information.

For financial companies like yours, this means a significant risk of a data breach when an exploit is released, and substantial fines and legal suits when hackers get their hands on the data that regulatory agencies and compliance standards have tasked you to protect. Synopsys solutions for software composition analysis (SCA) and open source risk management enable you to reduce your open source risk exposure by:

- Establishing a complete and in-depth profile of the open source in your applications.
- Identifying security vulnerabilities.
- Simplifying the remediation process so security and development teams can resolve weaknesses before a breach can occur.

Take control of open source and enhance your insight

Black Duck software composition analysis (SCA) enables you to develop and deploy secure financial applications by integrating and automating security and policy checks throughout the SDLC. Automatically scan project codebases, create an inventory of open source components (including those that have not been documented by developers in package manifests), rank vulnerabilities by risk, and set policies to govern the use of open source components so your organization can build fast while staying secure.

In addition to Black Duck SCA, Black Duck software audits provide a comprehensive point-in-time assessment of open source components in your applications' codebases. Open source can have a significant impact on regulatory compliance, M&A activity, and technology due diligence. Our open source and legal experts perform a deep-dive analysis and post-audit review to establish a comprehensive assessment of application security risk, license risk, code quality, web API risk, and encryption technologies that may restrict the legal export of software.

Support regulatory compliance initiatives

Regulations like Sarbanes-Oxley, Gramm-Leach-Bliley, PCI DSS, Basel II, ISO 27001, and EU GDPR create a compliance landscape that requires documented processes and policies for application security, vulnerability remediation, open source component tracking, and risk management. Synopsys solutions for financial services and FinTech help you to satisfy this complex array of financial regulatory compliance and governance standards, without impeding agile development processes.

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. With a combination of industry-leading tools, services, and expertise, only Synopsys helps organizations optimize security and quality in DevSecOps and throughout the software development life cycle.

For more information, go to www.synopsys.com/software.

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