

Securing Digital Applications and Improving Compliance with WhiteHat Dynamic

Company overview

This financial services company—one of the largest financial firms in the U.S.—needed to

- Ensure stronger application security for all consumer-facing applications
- Reduce time and resources used on triaging false positives
- Improve risk and compliance

It chose Synopsys WhiteHat™ Dynamic to

- Provide automated and highly accurate results
- Improve compliance and risk management
- Accelerate time to remediation
- Gain instant insights into critical vulnerabilities and enhance decision-making
- Enable quick turnaround from the support team

“Application-level protection provides us with an invaluable layer of security for our platform and our customer data. WhiteHat Dynamic is extremely beneficial to us in reducing security vulnerabilities and risks.”

—Application Security Lead

Overview

This financial services firm’s partnership with Synopsys helped achieve effective and long-term risk and cost reduction. By protecting business-critical applications, WhiteHat Dynamic empowers this organization to secure its digital future.

The challenge

This financial organization is one of the largest online brokers in the U.S., so application security is a top priority. It needed to improve the security of its business-critical applications and identify vulnerabilities, such as those that would provide the ability to access other users’ account information, access other users’ message attachments, access admin functionality without admin-level access, and access authenticated functionality without a valid authenticated session. It also needed faster and more accurate remediation to ensure security assurance and risk compliance.

The solution

The organization chose WhiteHat Dynamic from Synopsys and have been using it for more than eight years to continuously analyze its most critical applications. Automation, easy integrations, accuracy of findings, and on-demand security testing expertise have helped mitigate issues in production. In addition, in-depth manual penetration testing of the application layer has been highly effective in finding complex business logic vulnerabilities that cannot be discovered by scanners alone.

WhiteHat Dynamic

- Delivers the highest level of accuracy with AI-enabled vulnerability verification and additional human verification to ensure near-zero false positives
- Provides continuous and concurrent, always-on risk assessments
- Is production-safe with no degradation in performance of production websites and applications
- Includes business logic assessments for vulnerabilities that scanners cannot discover
- Tracks real-time and historical data to measure risk exposure over time
- Helps meet requirements around application security in PCI DSS compliance
- Is scalable to fit any environment and match the pace of development

The results

WhiteHat Dynamic provides industry-proven web application security for modern and traditional websites, web applications, and frameworks.

Highly accurate findings

WhiteHat Dynamic enables the development team to assess applications in preproduction and production environments, so they can view vulnerabilities in a larger, more accurate context. Comprehensive and continuous scans find runtime

*“WhiteHat Dynamic—
it’s simple, it works.
WhiteHat gets me useful
information that I can
transact on.”*

–Application Security Lead

*“Synopsys security
experts have been highly
responsive and provide us
with high-quality subject
matter expertise that
helps us remediate and
mitigate vulnerabilities
accurately and efficiently.”*

–Application Security Lead

*“Synopsys customer
service has been
outstanding, and support
staff is extremely helpful
to quickly schedule and
escalate business logic
assessments as needed.”*

–Application Security Lead

vulnerabilities that are tough to spot through source code analysis alone. And Synopsys security experts serve as an extension of the development and security teams by verifying results and eliminating false positives—over 9,500 since 2015.

Improved compliance and risk management

Business logic assessments (BLAs) are manual assessments performed by security engineers to look for application vulnerabilities that cannot be effectively found in an automated fashion. For development and security teams, BLAs complement the automated testing of WhiteHat Dynamic and help ensure regulatory compliance. These vulnerabilities include cross-site scripting, fingerprinting, content spoofing, cross-site request forgery, URL redirector abuse, brute force, and more.

More than 22% of the total vulnerabilities found were detected through the BLAs. Around 80% of the vulnerabilities found through BLAs had Critical to Medium rating.

Collaborating closely with Synopsys threat intelligence experts, the organization’s security team is able to identify real-time threats faster and share their findings with others in the organization.

Critical integration accelerates time to remediation

Integration with issue-tracking systems such as Jira enables the development team to deliver secure applications at the speed of development. As vulnerabilities are discovered in WhiteHat Dynamic, they are pulled into Jira to help ensure faster remediation. As vulnerabilities are retested, the integration allows developers to use WhiteHat’s Ask A Question feature directly from the issue in Jira.

Valuable insights and reporting

The WhiteHat Dynamic dashboard and reports provide critical insights to the security team, enabling them to better understand security risks, prioritize remediation for critical vulnerabilities, and evaluate the results of the application security program. An overview of status, risks, and trends empowers managers, improves decision-making, and ensures that high-priority vulnerabilities are remediated. And expanded visibility across the entire application security program enables the security team to better manage risks and reduce exposure to data breaches.

Excellent customer service and support

The Synopsys support team helps align people, processes, and technology to achieve operational readiness. Working closely with the security and development teams in managing support services, vulnerabilities review, and more has ensured rapid problem resolution.

The Synopsys difference

Synopsys Software Integrity Group provides integrated solutions that transform the way development teams build and deliver software, accelerating innovation while addressing business risk. Our industry-leading portfolio of software security products and services is the most comprehensive in the world and interoperates with third-party and open source tools, allowing organizations to leverage existing investments to build the security program that’s best for them. Only Synopsys offers everything you need to build trust in your software.

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

Synopsys, Inc.
690 E Middlefield Road
Mountain View, CA 94043 USA

U.S. Sales: 800.873.8193
International Sales: +1 415.321.5237
Email: sig-info@synopsys.com