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# SANS Institute InfoSec Reading Room

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## Infographic: Financial Apps at Risk

View the associated whitepaper here:

<https://www.sans.org/reading-room/whitepapers/analyst/understanding-security-regulations-financial-services-industry-37027>

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# Financial Apps at Risk

Financial Apps  
Mostly Developed  
in Java and .NET<sup>1</sup>

Most Risky Apps: Java and .NET<sup>2</sup>

Why are these apps risky?

- Feature-rich user experience means more attack opportunities
- Exposes internal APIs to external user (web-to-database connection)
- Testing is difficult

Financials Doing Better Than Most<sup>1</sup>

- 36** Typical number of vulnerabilities per MB found during static analysis of code (third best sector)
- 53** Number of vulnerabilities averaged across all industries
- 58%** of apps tested out of compliance with OWASP top 10 (first assessment)

Top 3 Causes  
of Incidents<sup>3</sup>

- #1** Abuse or misuse by internal employees or contractors
- #2** Successful spearphishing emails against employees
- #3** Exploits on unpatched or misconfigured systems

Test, Patch and Monitor!!!

Continuously monitor for vulnerabilities among the top 3 controls for protecting external-facing customer financial systems.<sup>3</sup>

## LEGEND

Source 1 Veracode State of Software Security Report, Volume 6, June 2015  
[www.veracode.com/resources/state-of-software-security](http://www.veracode.com/resources/state-of-software-security)

Source 2 SANS 2015 state application security survey,  
[www.sans.org/reading-room/whitepapers/analyst/2015-state-application-security-closing-gap-35942](http://www.sans.org/reading-room/whitepapers/analyst/2015-state-application-security-closing-gap-35942)

Source 3 June 2015 SANS Financial Services Survey 196 qualified responses:  
[www.sans.org/reading-room/whitepapers/analyst/security-spending-preparedness-financial-sector-survey-36032](http://www.sans.org/reading-room/whitepapers/analyst/security-spending-preparedness-financial-sector-survey-36032)

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