



security
Hackers on demand

Case study: 
Improving detection

Global bookmaker discovers vulnerability that previous tests had missed

Background:

As a tier-one bookmaker with global operations, the client was a considerable target for hackers. Over the years, individual apps and infrastructure had been tested as-and-when they were released. However, because traditional pen-tests are confined to a single app in isolation, it was never possible for the client to test if these apps worked in concert.

OnSecurity were invited to conduct a six-month test of the client's externally available web and mobile apps. This included all their sports-betting, gaming and casino apps along with the external infrastructure that supported them.

Our approach:

By working manually across the whole ecosystem, our experienced team could understand how separate systems behaved relative to each other. Intuitively investigating these relationships allowed them to uncover several issues missed by previous pen-tests. The most critical was in a third-party service that underpinned several apps.

The team fed a specially crafted payload into the affected apps and by studying how data flowed across the system they revealed a significant vulnerability. Had the vulnerability been exploited by a hacker the client's *entire* sports betting operation could have been shut down, along with most tier-one bookmakers worldwide.

Outcome:

We provided the client with actionable advice for both them and the third party service provider, who resolved the issue immediately.

Traditional point-in-time testing of individual apps had allowed a critical vulnerability to lay undetected for months, if not years. Because of our unique 'hackers eye view' over the complete ecosystem, we were the first pen-testing firm to uncover a vulnerability that had been overlooked by an entire industry.

www.OnSecurity.co

About OnSecurity:

OnSecurity replaces the overhead of traditional penetration testing firms with a simple online interface.

This puts the client back in the driving seat, allowing you to schedule tests as and when they need them.

Now you can work flexibly with quality assured pen-testers for a fraction of the usual cost.

Improving detection:

- Broader, more realistic tests will reveal your true vulnerabilities.

- Testing teams combine the skills of at least three experts.

- Testers are highly-qualified and are UK-based.

- Security issues can be monitored in real-time, allowing you to react quickly to reduce risk.

Book a demo today:



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