

# Game Security Testing



## Client Overview

- Game Developer producing a collection of skill based mobile games
- The application under test is an E-sports game platform for users to play mobile games and win real cash



## Business Requirements

- The game app engages users with monetary options like tokens, referrals bonus and top scores which can be cashed out instantly
- Identify and report vulnerability targets for various functional modules of the application - user authentication, benefits encashment fraud and a comprehensive list of security protocols



## Our Solutions

- Indium adopted OWASP and MASVS (Mobile Application Security Verification Standards) to perform extensive vulnerability and penetration tests
- Phased approach to Testing to cover vulnerabilities at two levels -**Most common security vulnerabilities in Game Apps**  
- Data Security and Tampering in Game Apps



## Technologies

- Andorguard
- APK Tools
- Android bugs
- D2J
- JD-GUI



## Business Impact

- Consulting and Exploratory approach to Security QA by deploying a judicious mix of Standards (OWASP and MASVS) and Manual Inspection (in-house SME)
- Reported issues with severity classification and recommended actions to mitigate security risks
- Bug Severity and # bugs reported: --

<b>HIGH</b>	<b>23</b>
<b>MEDIUM</b>	<b>07</b>
<b>LOW</b>	<b>10</b>



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