

Source Code Security Review

Secure the DNA of Your Applications and Uncover Hidden Vulnerabilities within Application Source Code

Code Review is the process of auditing application source code to verify that proper security controls are present, working as intended and invoked in all the right places.

Source Code Security Review is a way of ensuring that the application is developed to be “self-defending” in its given environment.

With over a decade of experience, LGMS has reviewed more than 10 billion lines of code and the numbers are still growing. LGMS’ source code security reviewers are well versed in more than 20 different programming languages such as Java, Ruby, Objective C, Swift, VB.NET, etc.

LGMS works closely with our clients to understand the application functionality, area of focus, threat profile, secure access methods, etc.

All Source Code Security Reviews are professionally done in a combination of human effort and technology support. LGMS believes that human reviewers are necessary to fill in for the significant blind spots where automated tools simply cannot check.

Our Coverage

LGMS Source Code Security Review focuses on seven security areas. As weaknesses in any of these areas will make the application more susceptible to malicious attacks, Source Code Security Review aims to inform developers on the robustness of the source code in each of these areas:

- Authentication
- Authorization
- Session management
- Data Validation
- Error handling
- Logging
- Cryptography



INFORMATION GATHERING

- Secure code of source codes
- Application functionalities
- Threat Profile

AUTOMATED & MANUAL

- Source to sink analysis
- Business logic and design flaws review

Deliverables

LGMS Source Code Security Review report meets the full compliance requirements of PCI DSS, Monetary Authority of Singapore (MAS) Technology Risk Management Guidelines, and Association of Banks in Singapore (ABS) Cloud Computing Implementation Guide. As such, the report consists of the following:

- High-Level Technical Summary
- Severity rating of each findings
- Remediation Steps and Recommendation
- Affected source code location

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