

SECURITY AUDIT

A comprehensive security assessment of your smart contracts, blockchains and web3 Apps

Challenge

Ineffective 'whitehat' style code auditing process, resulting in missed findings.

Slow, turnaround times that do not scale as projects scale.

Solution

CertiK provides rigorous, formal verification assisted security audits that

- Are highly effective
- Provide in-depth coverage
- Are rich in reporting detail
- Provides meaningful recommendations with code on how to re-mediate issues.

Benefits

- Accurate and broad coverage around vulnerabilities before code release.
- Guidelines on remediation for developers.
- On-hand security expertise to help answer questions.

The Challenge

The Web3 revolution has created rapid development of applications, smart contracts and blockchain protocols in a decentralized ecosystem. Fueled by opportunity to explore new grounds and innovate in this ecosystem, Web3 developers are launching projects at devops speed. In such a fast-paced development life cycle, security is often an after thought, resulting in unforeseen vulnerabilities, and catastrophic hacks down the road.

Teams of security auditors manually reviewing code can help mitigate vulnerabilities, but its never 100% effective - certain vulnerabilities as missed, and such organizations suffer from audit fatigue as the number of projects scale up.

The CertiK Security Audit Solution

Mathematically checking code for all possible states against what is permissible in a smart contract or blockchain protocol specification allows for a more rigorous, effective and scalable process. CertiK Security Auditing uses a combination of mathematical Formal Verification, Artificial Intelligence, and team of security experts with years of experience to deliver the highest quality of code auditing in industry.

Have your code reviewed by CertiK's team of seasoned security experts, prove the correctness of your contract code with highly scalable Formal Verification techniques, and receive reporting and recommendations on how to re-mediate vulnerabilities.

Security Audit Highlights and Benefits

- Identify code vulnerabilities and findings in your codebase.
- Receive a comprehensive report on the levels of risk for each finding, and recommendations (with code) how to re-mediate these.
- Prove the correctness of your code, according to its contract or blockchain protocol specification, using highly effective formal verification procedures.
- Gain visibility and earn credit, through placement of your project and results on our Security Leaderboard.

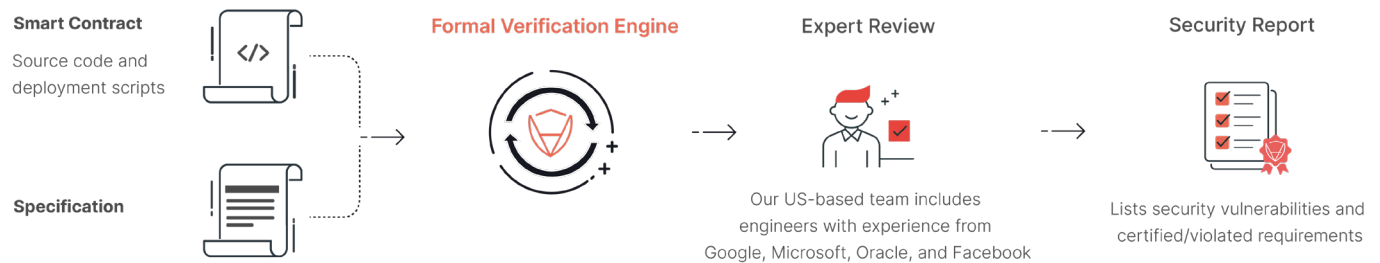
The Security Audit Process

The security audit process involved 5 key phases.



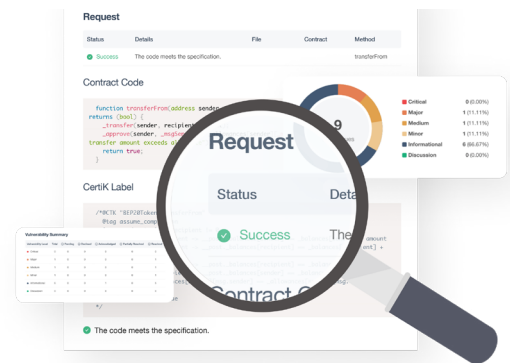
How does it work?

Our security audit platform evaluates smart contracts for vulnerabilities and certifies their behavior with respect to a custom function specification



Whats in the Audit Report?

Our audit reports are custom, thorough, and transparent. The report will contain the details of any identified vulnerabilities and classify them by severity (Critical, Major, Medium, Low, and Informational), along with suggested remediations.



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