



Quantstamp Audit Summary

Background:

Quantstamp is a leading security firm in blockchain. The company is building blockchain agnostic software that automatically scans for security vulnerabilities before and after smart contracts are deployed on the blockchain. Quantstamp has secured digital assets for leading companies and the team boasts decades of combined experience in software security, formal verification, and static analysis, with thousands of Google scholar citations.

Quantstamp was requested by eToro Group for conducting the audit of the 'eToken contracts' starting on the 21st of January 2019, following through till the 11th of April, 2019.

Audit Summary:

Quantstamp has audited the contract code with 100% code coverage, with exhaustive testing of all possible functionality, utilizing industry standard tooling for static analysis, as further described in the full audit report. In addition to industry standard tooling for static analysis and symbolic execution including Oyente, Mythril and MAIAN, Quantstamp's personnel included multiple auditors who independently reviewed the code base through the company's whiteglove auditing service.

All code has passed all tests to the full satisfaction of the auditors.

The checks included:

- Transaction-ordering dependencies
- Timestamp dependencies
- Mishandled exceptions and call stack limits
- Unsafe external calls
- Integer overflow/underflow
- Number rounding errors
- Re-entrancy and cross-function vulnerabilities
- Denial of service/logical oversights
- Access control
- Functional centralization of power
- Business logic contradicting the specification
- Code clones, functionality and duplication

- Gas usage
- Arbitrary token minting

The audit, tests, and findings are explained in more detail in the full report.

Conclusions:

Following the exhaustive testing and analysis, we have found 0 issues at any severity levels. The code has been written to exceptional high standards and the team has gone above and beyond, in addressing any concern raised in previous iterations. The code has been well-documented and complies with all best-practices and industry standards, observed at the time of deployment.

Sincerely,



Richard Ma, CEO