



Trail of Bits

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Celo Labs, Inc

Celo Labs engaged Trail of Bits, Inc. (Trail of Bits), a cybersecurity research and development firm, to conduct a security review of the Oracle Client, a tool fetching data from exchanges and posting to the Celo blockchain.

A team of two consultants conducted the security review from July 13, 2020 to July 17, 2020, for a total of two engineer-weeks of effort.

Over the course of the engagement, Trail of Bits identified 18 issues, including:

- Denial of service vectors, including the handling of large JSON payload and the lack of rate limit on the oracle operations.
- Inconsistencies in the circuit breaker design.
- Lack of certificate pinning support.

Trail of Bits provided recommendations for Celo Labs to remediate the issues identified during the audit.

Sincerely,
Dan Guido
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