



Security Assessment

MCL Protocol V2

Jul 2nd, 2021



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Summary

This report has been prepared for MCL V2 Multiplier Protocol to discover issues and vulnerabilities in the source code of the MCL Protocol V2 project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Static Analysis and Manual Review techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

The team presented as a source of truth for the codebase the Aave implementation for the [lending](#) and [staking](#) repositories against the [bc87d4d9c1e3d8c052a7462b82f5753211fe846a](#) commit of the MCLv2 protocol and listed all the changes for evaluation.

The security assessment resulted in zero findings as the minor changes are not affecting the logic of the underlying functionality that is out of scope.

Overview

Project Summary

Project Name	MCL Protocol V2
Platform	Ethereum
Language	Solidity
Codebase	https://github.com/Multiplier-Finance/MCL-protocol-v2
Commit	bc87d4d9c1e3d8c052a7462b82f5753211fe846a

Audit Summary

Delivery Date	Jul 02, 2021
Audit Methodology	Static Analysis, Manual Review
Key Components	

Vulnerability Summary

Vulnerability Level	Total	Pending	Partially Resolved	Resolved	Acknowledged	Declined
● Critical	0	0	0	0	0	0
● Major	0	0	0	0	0	0
● Medium	0	0	0	0	0	0
● Minor	0	0	0	0	0	0
● Informational	0	0	0	0	0	0
● Discussion	0	0	0	0	0	0

Audit Scope

ID	file	SHA256 Checksum
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Appendix

Finding Categories

Checksum Calculation Method

The "Checksum" field in the "Audit Scope" section is calculated as the SHA-256 (Secure Hash Algorithm 2 with digest size of 256 bits) digest of the content of each file hosted in the listed source repository under the specified commit.

The result is hexadecimal encoded and is the same as the output of the Linux "sha256sum" command against the target file.

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About

Founded in 2017 by leading academics in the field of Computer Science from both Yale and Columbia University, CertiK is a leading blockchain security company that serves to verify the security and correctness of smart contracts and blockchain-based protocols. Through the utilization of our world-class technical expertise, alongside our proprietary, innovative tech, we're able to support the success of our clients with best-in-class security, all whilst realizing our overarching vision; provable trust for all throughout all facets of blockchain.

