



Security Review For Maple



Collaborative Audit Prepared For:
Lead Security Expert(s):

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Introduction

Maple is redefining asset management for the digital age – onchain, transparent, and built to scale. Through institutional-grade lending and yield strategies, Maple brings the rigor of traditional finance to the transparency and innovation of crypto. This is asset management, evolved for the future, global, onchain financial system.

Scope

Repository: `maple-labs/withdrawal-manager-queue`

Audited Commit: `76a8ba7e0a7c51a312df395593c71ee01881b16e`

Final Commit: `76a8ba7e0a7c51a312df395593c71ee01881b16e`

Files:

- `contracts/MapleWithdrawalManager.sol`
- `contracts/proxy/MapleWithdrawalManagerMigratorV200.sol`
- `contracts/proxy/MapleWithdrawalManagerStorage.sol`
- `contracts/utils/SortedLinkedList.sol`

Findings

Each issue has an assigned severity:

- High issues are directly exploitable security vulnerabilities that need to be fixed.
- Medium issues are security vulnerabilities that may not be directly exploitable or may require certain conditions in order to be exploited. All major issues should be addressed.
- Low/Info issues are non-exploitable, informational findings that do not pose a security risk or impact the system's integrity. These issues are typically cosmetic or related to compliance requirements, and are not considered a priority for remediation.

Issues Found

Low Issues: 1

Issues Not Fixed and Not Acknowledged

High	Medium	Low/Info
0	0	0

Issue L-1: SortedLinkedList::getAllValues() could add a paginated function to prevent DoS [ACKNOWLEDGED]

Source: <https://github.com/sherlock-audit/2025-10-maple-oct-22nd/issues/33>

This issue has been acknowledged by the team but won't be fixed at this time.

Summary

`SortedLinkedList::getAllValues()` fetches all values from the list, which may be DoSed, both on chain and through certain rpc providers that may timeout.

Vulnerability Detail

There are onchain gas limits and rpc providers may timeout even if there isn't an offchain limit.

Impact

Code Snippet

<https://github.com/sherlock-audit/2025-10-maple-oct-22nd/pull/26/files#diff-039b765c6733ead864f7a36bdbf1e880064e5d25e276a3b3cde1cb4935dc7e12R101>

Tool Used

Manual Review

Recommendation

Usually a separate paginated function is added as an alternative.

Discussion

Oxfarhaan

Acknowledged, The expectation is that function `requests(uint256 requestId_) external view override returns (address owner_, uint256 shares_)` would be used. We've also not used `requestsByOwner()` in our integrating contracts for this reason. We can keep this in mind for a future convenience function.

Disclaimers

Sherlock does not provide guarantees nor warranties relating to the security of the project.

Usage of all smart contract software is at the respective users' sole risk and is the users' responsibility.