

January 14, 2024

ARBITER SECURITY REVIEW

ENGAGEMENT II

Reviewer 1 Lead
Reviewer 2 Lead
Reviewer 3 Researcher

January 14, 2024

1 Executive Summary

Over the course of X days in total, [Protocolname](#) engaged with [Spearbit](#) to review [Protocolname](#) protocol.

We found a total of X issues with Protocolname.

Repository	Commit
Projectname	commithash

Summary

Type of Project	TYPE
Timeline	Feb 29, 2022 - Feb 31, 2022
Methods	Manual Review
Documentation	High
Testing Coverage	High

Total Issues

Critical Risk	1
High Risk	1
Medium Risk	0
Low Risk	0
Gas Optimizations and Informational	0

Contents

1	Executive Summary	1
2	Spearbit	3
3	Introduction	3
4	Findings	3
4.1	Critical Risk	3
4.2	High Risk	3
4.2.1	Issue title (Only first word should be capitalized; titles should never end with punctuation)	3
4.3	Medium Risk	4
4.4	Low Risk	4
4.5	Gas Optimizations	4
5	Additional Comments	4
6	Appendix	4

2 Spearbit

Spearbit is a decentralized network of expert Web3 security engineers. Together, we help secure the Web3 ecosystem. We offer security reviews and related services to Web3 projects. Our network has experience at every part of the stack, including protocol design, smart contracts, and the Solidity compiler itself. Spearbit brings in untapped security talent: expert freelance auditors who want flexibility to work on interesting projects together. Learn more about us at <https://spearbit.com>.

3 Introduction

Some introduction on the protocol

The focus of the security review was on the following:

1. Specific security concern 1.
2. Specific security concern 2.
3. Specific security concern 3.

Disclaimer: This security review does not guarantee against a hack. It is a snapshot in time of brick according to the specific commit by a three person team. Any modifications to the code will require a new security review.

4 Findings

4.1 Critical Risk

4.2 High Risk

4.2.1 Issue title (Only first word should be capitalized; titles should never end with punctuation)

Severity: High

Context: [Contract.sol#L160-L165](#)

Description:

```
contract Test {  
    ...  
    // Code blocks must be indented with 4 spaces.  
}
```

Recommendation:

```
+ use diff syntax to describe what should be changed  
- ...
```

Project: Fixed in [PR #1](#).

Spearbit: Resolved.

4.3 Medium Risk

4.4 Low Risk

4.5 Gas Optimizations

5 Additional Comments

\clearpage

6 Appendix