Damocles

Code Secturity Audit Report

For

ChiliToken

Oct 21th 2023

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Summary

This report has been prepared for ChiliSwap to discover issues and vulnerabilities in the source code of the ChiliSwap 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 consideration:

- 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.

Overview

Audit Scope

Contract Name	ChiliTokenNonUpgradable.sol
Platform	Etherrum
Language	Solidity
Code Base	https://github.com/ChiliSwap/ChiliToken
Commit	debdc753fac829f3a70a6f30a25aca998c35e4db

Result Summary

Vulnerability Level	Total	Pending	Declined	Acknowledged
Critical	0	0	0	0
High	0	0	0	0
Medium	0	0	0	0
Low	1	1	0	0

Audit Result

1
Total issues

▪ Critical ▪ High ▪ Medium ▪ Low
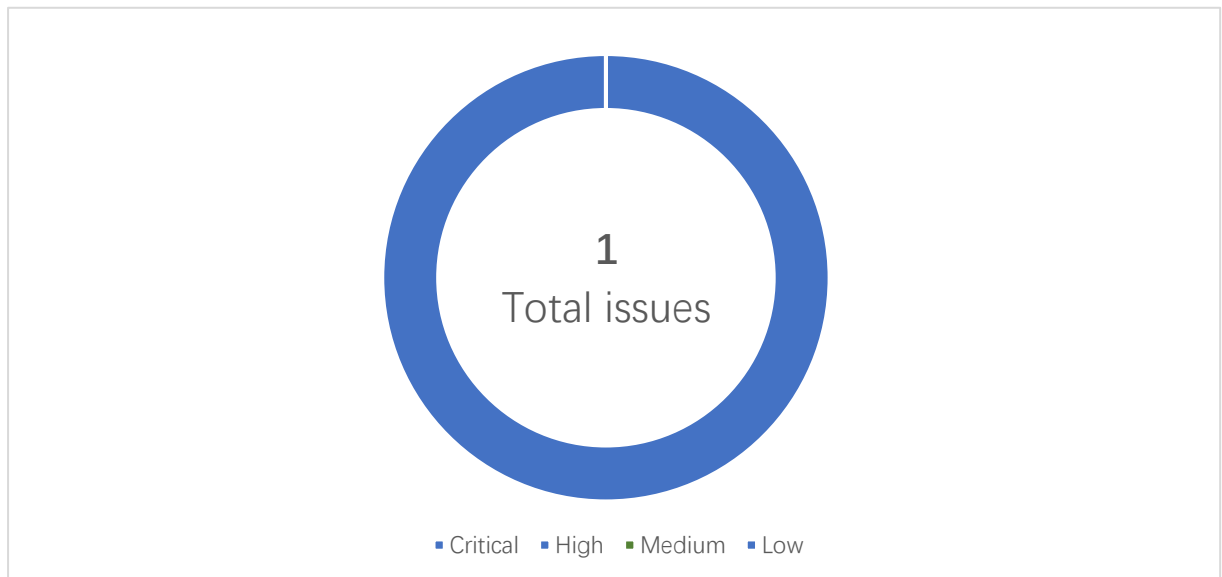
Chili-01 | Unlocked Compiler Version Declaration

Category	Severity	Location	Status
Langue Specific	Low	ChiliTokenNonUpgradable.sol:3	Pending

Description

The compiler version utilized throughout the project uses the ^ prefix specifier, denoting that a compiler version that is greater than the version will be used to compile the contracts. Recommend the compiler version should be consistent throughout the codebase.

Recommendation

It is a general practice to instead lock the compiler at a specific version rather than allow a range of compiler versions to be utilized to avoid compiler-specific bugs and be able to identify ones more easily. We recommend locking the compiler at the lowest possible version that supports all the capabilities wished by the codebase. This will ensure that the project utilizes a compiler version that has been in use for the longest time and as such is less likely to contain yet-undiscovered bugs.

About

Damocles is a 2023 web3 security company specializing in online security services, including smart contract audit, Product audit, penetration testing, GameFi security audit and cheat detection.

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