



Security Assessment

PepeTheChef

Verified by Vibranium Audits on 17 October 2024



Vibranium Audits Verified on October 14th, 2024

PepeTheChef

The security assessment was prepared by Vibranium Audits.

Executive Summary

TYPES

DEFI/NFT

ECOSYSTEM

ICP

METHODS

Manual Review, penetration testing

LANGUAGE

Rust

TIMELINE

Delivered on 14/10/2024

KEY COMPONENTS

N/A

CODEBASE

N/A

COMMITTS

N/A

Vulnerability Summary

1

Total Findings

1

Resolved

0

Mitigated

0

Partially Resolved

0

Acknowledged

0

Declined

0

Unresolved



0 Critical

Critical vulnerabilities are usually straightforward to exploit and can lead to the loss of user funds or contract state manipulation by external or internal actors.



0 High

0 Resolved

High vulnerabilities are usually harder to exploit, requiring specific conditions, or have a more limited scope, but can still lead to the loss of user funds or contract state manipulation by external or internal actors.



0 Medium

0 Resolved

Medium vulnerabilities are usually limited to state manipulations, but cannot lead to assets loss. Major deviations from best practices are also in this category.



0 Low

0 Resolved

Low vulnerabilities are related to outdated and unused code or minor gas optimization. These issues won't have a significant impact on code execution, but affect the code quality.



1 Informational

0 Resolved

Informational errors are often recommendations to improve the style of the code or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

CODEBASE | PepeTheChef

Repository

<https://tronscan.org/#/contract/TQdnz6vH7XpPHRf6jedRKxkcaMAu6L4dAC>

Commits

N/A

AUDIT SCOPE | PepeTheChef

1 repo audited ● 1 repo with Acknowledged findings ● 0 files with Resolved findings

ID			Branch	Commit Hash
● VPF			 N/A	N/A

APPROACH & METHODS | PepeTheChef

This report has been prepared for PepeTheChef(2024) to discover issues and vulnerabilities in the source code of the PepeTheChef project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Manual Review, rigorous Penetration Testing and Static Analysis techniques.

The auditing process pays special attention to the following considerations:

- Pen-Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the code base 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 code base by industry experts.

The security assessment resulted in findings that ranged from critical to informational. We recommend addressing these findings to ensure a high level of security standards and industry practices.

We suggest recommendations that could better serve the project from the security perspective:

- Testing the smart contracts against both common and uncommon attack vectors.
- Enhance general coding practices for better structures of source codes.
- Review unit tests to cover the possible use cases.
- Review functions for readability, especially for future development work.

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Findings

VPF-01 Transfer Status can't be stopped again once activated

Disclaimer

FINDINGS | PepeTheChef

1

Total Findings

0

High

0

Medium

0

Low

1

Informational

This report has been prepared to discover issues and vulnerabilities for PepeTheChef. Through this audit, we have uncovered 9 issues ranging from different severity levels. Utilizing the techniques of Manual Review & Penetration Testing, we discovered the following findings:

ID	Title	Category	Severity	Status
VPF-01	Transfer Status	Logical Issue	Informational	● Acknowledged

VPF-01 | Unbounded Task Retry with retry_async

Category	Severity	Location	Status
Logical Issue	● Informational	Token.sol	● Acknowledged

Description

The PepeTheChef token smart contract contains a transfer status that allows the opening of trading of the token after it was restricted to owner or blocked.

Once it's open, this status cannot be reverted back and blocked. Therefore it no longer allows the owner to pause trading for whatever reasons.

It is good as a safety measure in terms of the owner is not capable of stopping trading, and the PepeTheChef team confirmed it was intended to be that way.

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