



Valid Proof

Bring trust into your projects

Blockchain Security | Smart Contract Audits | KYC

Audit

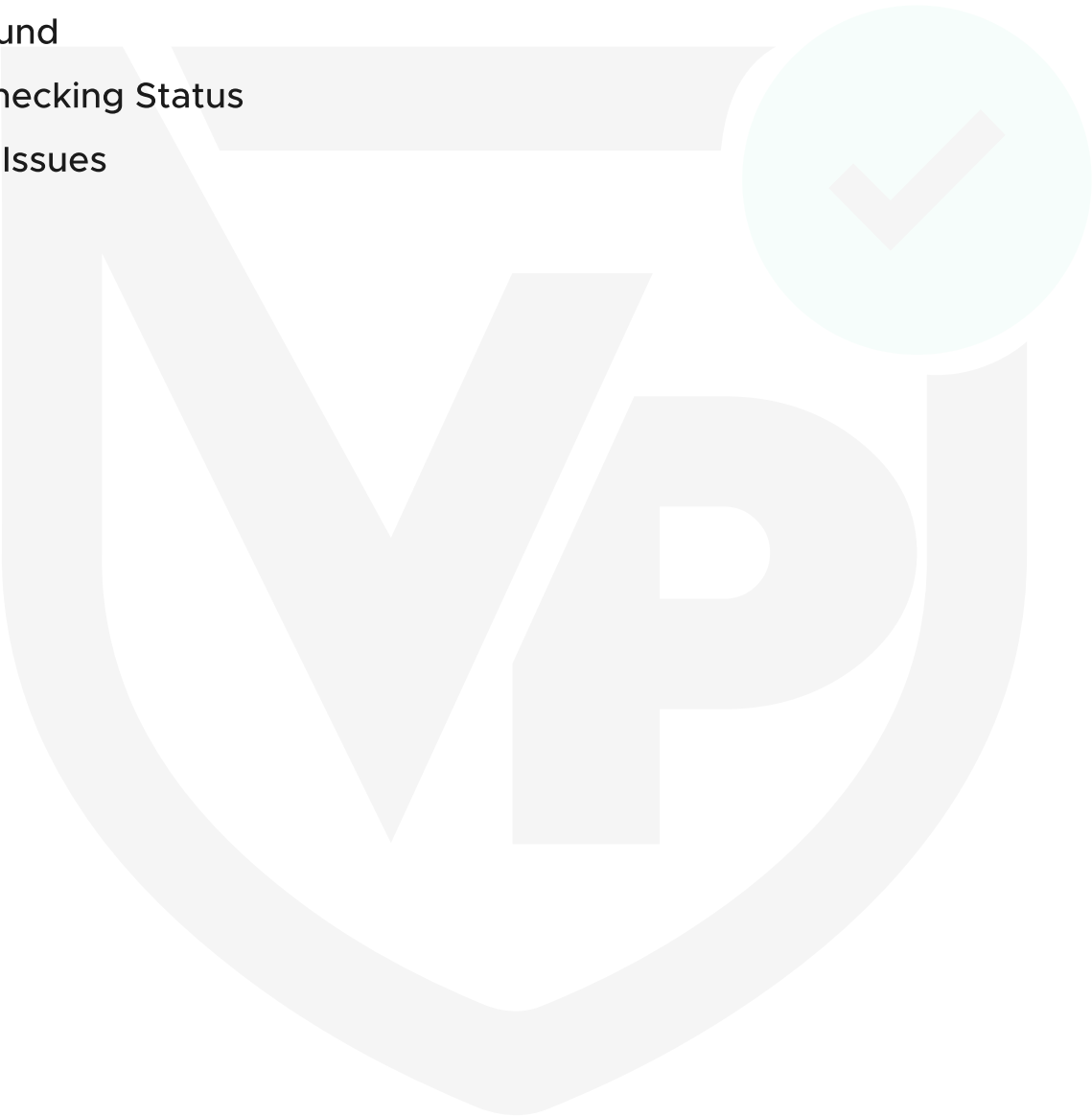
Security Assessment

December 2021

For



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Disclaimer

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Valid Proof Reports represent an extensive auditing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology. Blockchain technology and cryptographic assets present a high level of ongoing risk. Valid Proof’s position is that each company and individual are responsible for their own due diligence and continuous security. Valid Proof in no way claims any guarantee of security or functionality of the technology we agree to analyze.

Version	Date	Description
1.0	December 2021	<ul style="list-style-type: none">• Layout project• Automated- /Manual-Security• Testing• Summary

Network

Binance Smart Chain (BEP20)

Website

<https://metaflip.finance>

Telegram

http://t.me/metaflip_Official

Twitter

<https://twitter.com/metaflip1>

GitHub

<https://github.com/Metaflip>

Reddit

https://reddit.com/r/Metaflip_Official



Description

Metaflip serve as a hub of information, advertising and NFT booster structures in metaverse technology. Metaverse are not just about games. It is also a place where people will use it as information, business, sports, socials and more activities. Metaflip HUB is creating a unique structure for users, creators and developers to gain a boost start up for their NFT in metaverse.

Metaflip will be integrated with VR and AR structure. Users, developers, and creators will enjoy using Metaflip as their platform for guideline on how to get their business or information integrated in to the Metaverse world. Metaflip will develop a cross-chain gateway to the community, so that they could transfer the NFT assets between Metaflip sidechain and other chains like Ethereum and Binance Smart Chain, etc.

Project Engagement

During the 14th of December 2021, Metaflip engaged Valid Proof to audit smart contracts that they created. The engagement was technical in nature and focused on identifying security flaws in the design and implementation of the contracts. They provided Valid Proof with access to their code repository and whitepaper.

Logo



Contract Link

v1.0

Contract: <https://bscscan.com/>

[address/Oxa49f7e4c67d62d11b0867079f5c63cf4a600b55c](https://bscscan.com/address/Oxa49f7e4c67d62d11b0867079f5c63cf4a600b55c)

Background

Valid Proof was commissioned by Council of Apes to perform an audit of smart contracts:

<https://bscscan.com/address/0xa49f7e4c67d62d11b0867079f5c63cf4a600b55c>

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

Issues Checking Status

Issue description	Checking status
1. Compiler errors.	PASSED
2. Race conditions and Reentrancy. Cross-function race Passed conditions.	PASSED
3. Possible delays in data delivery.	PASSED
4. Oracle calls.	PASSED
5. Front running.	PASSED
6. Timestamp dependence.	PASSED
7. Integer Overflow and Underflow.	PASSED
8. DoS with Revert.	PASSED
9. DoS with block gas limit.	PASSED
10. Methods execution permissions.	PASSED
11. Economy model of the contract.	PASSED
12. The impact of the exchange rate on the logic.	PASSED
13. Private user data leaks.	PASSED
14. Malicious Event log.	PASSED
15. Scoping and Declarations.	PASSED
16. Uninitialized storage pointers.	PASSED
17. Arithmetic accuracy.	PASSED
18. Design Logic.	PASSED
19. Cross-function race conditions	PASSED
20. Safe Open Zeppelin contracts implementation and Passed usage.	PASSED
21. Fallback function security.	PASSED

Audit Results

AUDIT PASSED



Security Issues



High Severity Issues

No high severity issues found.



Medium Severity Issues

No medium severity issues found.



Low Severity Issues

There are one low severity issues.

9. lock

time (uint256)

time (uint256)

Write



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