CEG NINJA AUDITS

Security Assessment

Foundation

June 24, 2022

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Audit Summary

This report has been prepared for Foundation on the Binance Smart Chain network. CFGNINJA provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.

Project Overview

Token Summary

Parameter	Result
Address	0x3ef5B55f6d51DaDb8A2b8Ed45f867B87422f96b0
Name	Foundation
Token Tracker	Foundation ()
Decimals	
Supply	
Platform	Binance Smart Chain
compiler	v0.8.12+commit.f00d7308
Contract Name	Foundation
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://bscscan.com/token/0x3ef5B55f6d51DaDb8A2b8Ed45f867B87422f96b0
Payment Tx	0x652ddbe51375db079f5271792266f79582ca7b0a7b809c5b816b1b6b4809a376

Main Contract Assessed
Contract Name

Name	Contract	Live
Foundation	0x3ef5B55f6d51DaDb8A2b8Ed45f867B87422f96b0	Yes

TestNet Contract Assessed
Contract Name

Name	Contract	Live
Foundation	0xB7EDbDB82c8b77acA773D4a5FB984C1c65fb6cFc	Yes

Solidity Code Provided

SolID	File Sha-1	FileName
Foundation	1140a093cac08dfa9ac6a800ad5a2c45e72f5596	Foundation.sol
Foundation	ce307bf4c4e87570089965b1f123521822a303fa	IToken.sol
Foundation	0067e7574693fe2fc3ad91fa40599765fbf2b0ee	IVault.sol
Foundation	undefined	
Foundation	undefined	

Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
Unencrypted Private Data On-Chain	Complete	Complete	Low / No Risk
Code With No Effects	Complete	Complete	Low / No Risk
Message call with hardcoded gas amount	Complete	Complete	Low / No Risk
Hash Collisions With Multiple Variable Length Arguments	Complete	Complete	Low / No Risk
Unexpected Ether balance	Complete	Complete	Low / No Risk
Presence of unused variables	Complete	Complete	Low / No Risk
Right-To-Left-Override control character (U+202E)	Complete	Complete	Low / No Risk
Typographical Error	Complete	Complete	Low / No Risk
DoS With Block Gas Limit	Complete	Complete	Low / No Risk
Arbitrary Jump with Function Type Variable	Complete	Complete	Low / No Risk
Insufficient Gas Griefing	Complete	Complete	Low / No Risk
Incorrect Inheritance Order	Complete	Complete	Low / No Risk
Write to Arbitrary Storage Location	Complete	Complete	Low / No Risk
Requirement Violation	Complete	Complete	Low / No Risk
Missing Protection against Signature Replay Attacks	Complete	Complete	Low / No Risk

Contract Ownership

The contract ownership of Foundation is not currently renounced. The ownership of the contract grants special powers to the protocol creators, making them the sole addresses that can call sensible ownable functions that may alter the state of the protocol.

The current owner is the address 0x3cc6a3fa5bECF00B585E4575537F03d24891bD70 which can be viewed from:
HERE

The owner wallet has the power to call the functions displayed on the priviliged functions chart below, if the owner wallet is compromised this privileges could be exploited.

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.

We recommend the team to use a Multisignature Wallet if contract is not going to be renounced, this will give the ability to the team to have more control over the contract.

KYC Information

The Project Onwers of Foundation has provided KYC Documentation.

KYC Certificated can be found on the Following:
KYC Data

KYC Information Notes:

Auditor Notes: Asked project owner about KYC.

Project Owner Notes: Customer is KYC with PinkSale

Mythx Security Summary Checks

ID	Severity	Name	File	location
SWC-100	Pass	Function Default Visibility	Foundation.sol	L: 0 C: 0
SWC-101	Pass	Integer Overflow and Underflow.	Foundation.sol	L: 0 C: 0
SWC-102	Pass	Outdated Compiler Version file.	Foundation.sol	L: 0 C: 0
SWC-103	Pass	A floating pragma is set.	Foundation.sol	L: 5 C: 0
SWC-104	Pass	Unchecked Call Return Value.	Foundation.sol	L: 0 C: 0
SWC-105	Pass	Unprotected Ether Withdrawal.	Foundation.sol	L: 0 C: 0
SWC-106	Pass	Unprotected SELFDESTRUCT Instruction	Foundation.sol	L: 0 C: 0
SWC-107	Pass	Read of persistent state following external call.	Foundation.sol	L: 0 C: 0
SWC-108	Pass	State variable visibility is not set..	Foundation.sol	L: 0 C: 0
SWC-109	Pass	Uninitialized Storage Pointer.	Foundation.sol	L: 0 C: 0
SWC-110	Pass	Assert Violation.	Foundation.sol	L: 0 C: 0
SWC-111	Pass	Use of Deprecated Solidity Functions.	Foundation.sol	L: 0 C: 0
SWC-112	Pass	Delegate Call to Untrusted Callee.	Foundation.sol	L: 0 C: 0
SWC-113	Pass	Multiple calls are executed in the same transaction.	Foundation.sol	L: 0 C: 0

ID	Severity	Name	File	location
SWC-114	Pass	Transaction Order Dependence.	Foundation.sol	L: 0 C: 0
SWC-115	Pass	Authorization through tx.origin.	Foundation.sol	L: 474 C: 15
SWC-116	Pass	A control flow decision is made based on The block.timestamp environment variable.	Foundation.sol	L: 0 C: 0
SWC-117	Pass	Signature Malleability.	Foundation.sol	L: 0 C: 0
SWC-118	Pass	Incorrect Constructor Name.	Foundation.sol	L: 0 C: 0
SWC-119	Pass	Shadowing State Variables.	Foundation.sol	L: 0 C: 0
SWC-120	Pass	Potential use of block.number as source of randonmness.	Foundation.sol	L: 0 C: 0
SWC-121	Pass	Missing Protection against Signature Replay Attacks.	Foundation.sol	L: 0 C: 0
SWC-122	Pass	Lack of Proper Signature Verification.	Foundation.sol	L: 0 C: 0
SWC-123	Pass	Requirement Violation.	Foundation.sol	L: 0 C: 0
SWC-124	Pass	Write to Arbitrary Storage Location.	Foundation.sol	L: 0 C: 0
SWC-125	Pass	Incorrect Inheritance Order.	Foundation.sol	L: 0 C: 0
SWC-126	Pass	Insufficient Gas Griefing.	Foundation.sol	L: 0 C: 0
SWC-127	Pass	Arbitrary Jump with Function Type Variable.	Foundation.sol	L: 0 C: 0
SWC-128	Pass	DoS With Block Gas Limit.	Foundation.sol	L: 0 C: 0

ID	Severity	Name	File	location
SWC-129	Pass	Typographical Error.	Foundation.sol	L: 0 C: 0
SWC-130	Pass	Right-To-Left-Override control character (U +202E).	Foundation.sol	L: 0 C: 0
SWC-131	Pass	Presence of unused variables.	Foundation.sol	L: 0 C: 0
SWC-132	Pass	Unexpected Ether balance.	Foundation.sol	L: 0 C: 0
SWC-133	Pass	Hash Collisions with Multiple Variable Length Arguments.	Foundation.sol	L: 0 C: 0
SWC-134	Pass	Message call with hardcoded gas amount.	Foundation.sol	L: 0 C: 0
SWC-135	Pass	Code With No Effects (Irrelevant/Dead Code).	Foundation.sol	L: 0 C: 0
SWC-136	Pass	Unencrypted Private Data On-Chain.	Foundation.sol	L: 0 C: 0

We scan the contract for additional security issues using MYTHX and industry standard security scanning tool

Security Check Details Page

SWC Information Notes:

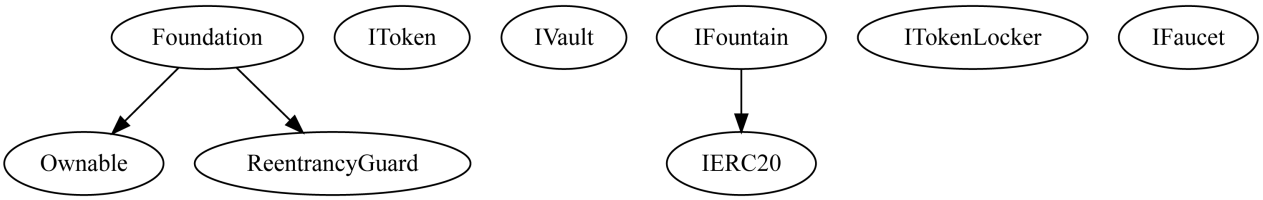
Auditor Notes:

Project Owner Notes:

Call Graph and Inheritance

The contract for Foundation has the following call graph structure

The Project has a Total Supply of and has the following inheritance



Priviliged Functions (onlyOwner)

Function Name	Parameters	Visibility
setPolData	none	public
removePayback	address newOwner	public
setFees		external

Important Notes To The Users:

- PinkSale is the number one Launchpad on the Crypto space, and they have the most trusted and dedicated team
- We had the opportunity to review their PinkLock02 and the contract is live and very secure.
- No high-risk Exploits/Vulnerabilities Were Found in the Source Code.
- We review the code and scan it for best practices, we have made suggestions to the team and they have addressed all of them.

Audit Passed

Social Media Checks

Social Media	URL	Result
Twitter	https://twitter.com/Stake_Protocol	Pass
Medium	https://stake-protocol.medium.com/introducing-a-game-changer-15f403c53804	Pass
Website	https://stakeprotocol.app/	Pass
Telegram	http://T.me/stakeprotocolportal	Pass

We recommend to have 3 or more social media sources including a completed working websites.

Social Media Information Notes:

Auditor Notes: Reviewed the social media, customer could use some additional marketing. However everything is established

Project Owner Notes:

Disclaimer

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