TechRate
April, 2022

SMART CONTRACTS SECURITY AUDIT REPORT

Audit Details

Audited project

SAFUAPE

Deployer address

0x54f2a823e871c89167c77fc6abbf6db137669c5b

Client contacts:

SAFUAPE team

Blockchain

Ethereum

Project website:

https://safuape.finance

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

TechRate was commissioned by SAFUAPE to perform an audit of smart contracts:
https://etherscan.io/address/0x23464fb65ff1a8e7a9a1318dfa56185a4950cf8b#code

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.

Contracts Details

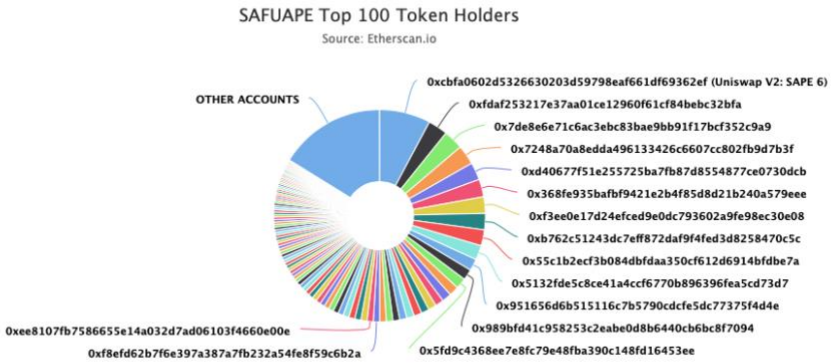
Token contract details for 1.04.2022

Contract name	SAFUAPE
Contract address	0x23464fb65ff1a8e7a9a1318Dfa56185a4950cF8B
Total supply	1,000,000,000,000
Token ticker	SAPE
Decimals	9
Token holders	440
Transactions count	3,069
Top 100 holders dominance	83.79%
Time jeets	7200
Uniswap V2 pair	0xcbfa0602d5326630203d59798eaf661df69362ef
Contract deployer address	0x54f2a823e871c89167c77fc6abbf6db137669c5b
Owner address	0x0000000000000000000000000000000000000000

SAFUAPE Token Distribution

The top 100 holders collectively own 83.79% (837,903,449,956.86 Tokens) of SAFUAPE

Token Total Supply: 1,000,000,000,000.00 Token | Total Token Holders: 440

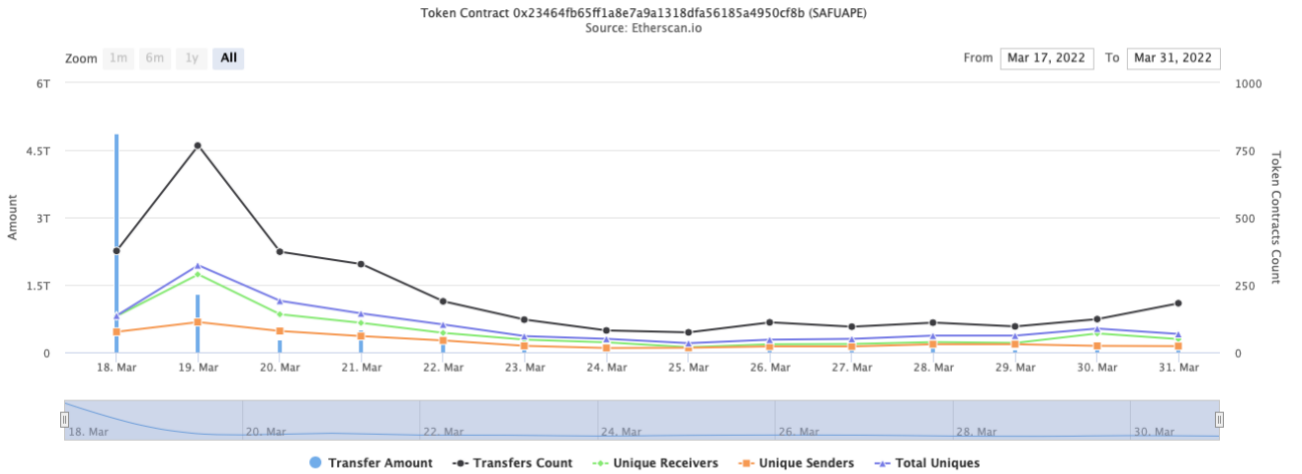


(A total of 837,903,449,956.86 tokens held by the top 100 accounts from the total supply of 1,000,000,000,000.00 token)

SAFUAPE Contract Interaction Details

Time Series: Token Contract Overview

Fri 18, Mar 2022 - Thu 31, Mar 2022



SAFUAPE Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	Uniswap V2: SAPE 6	78,044,731,286.416885572	7.8045%
2	0xfdaf253217e37aa01ce12960f61cf84bebc32bfa	29,999,999,999.998567156	3.0000%
3	0x7de8e6e71c6ac3ebc83bae9bb91f17bcf352c9a9	29,995,643,020.792984369	2.9996%
4	0x7248a70a8edda496133426c6607cc802fb9d7b3f	29,894,576,129.181930106	2.9895%
5	0xd40677f51e255725ba7fb87d8554877ce0730dcb	26,750,106,457.809767749	2.6750%
6	0x368fe935bafbf9421e2b4f85d8d21b240a579eee	26,720,614,186.845376623	2.6721%
7	0xf3ee0e17d24efced9e0dc793602a9fe98ec30e08	25,225,907,161.518501272	2.5226%
8	0xb762c51243dc7eff872daf9f4fed3d8258470c5c	24,830,058,646.6713454	2.4830%
9	0x55c1b2ecf3b084dbfdaa350cf612d6914bfdbe7a	24,301,033,587.611061762	2.4301%
10	0x5132fde5c8ce41a4ccf6770b896396fea5cd73d7	22,000,000,000	2.2000%

Contract functions details

+ Context
  - [Int] _msgSender

+ [Int] IERC20
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] transfer #
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transferFrom #

+ Ownable (Context)
  - [Pub] <Constructor> #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner

+ [Lib] SafeMath
  - [Int] add
  - [Int] sub
  - [Int] sub
  - [Int] mul
  - [Int] div
  - [Int] div

+ [Int] IUniswapV2Factory
  - [Ext] createPair #

+ [Int] IUniswapV2Router02
  - [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #
  - [Ext] factory
  - [Ext] WETH
  - [Ext] addLiquidityETH ($)

+ SAFUAPE (Context, IERC20, Ownable)
  - [Pub] <Constructor> #
  - [Pub] name
  - [Pub] symbol
  - [Pub] decimals

- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Prv] tokenFromReflection
- [Prv] removeAllFee #
- [Prv] restoreAllFee #
- [Prv] _approve #
- [Prv] _transfer #
- [Prv] burnTokens #
- [Prv] swapTokensForEth #
  - modifiers: lockTheSwap
- [Prv] sendETHToFee #
- [Pub] setTrading #
  - modifiers: onlyOwner
- [Ext] setMarketingWallet #
- [Pub] setIsMaxBuyActivated #
  - modifiers: onlyOwner
- [Ext] manualswap #
- [Ext] addSniper #
  - modifiers: onlyOwner
- [Ext] removeSniper #
  - modifiers: onlyOwner
- [Ext] isSniper
- [Ext] manualsend #
- [Prv] _tokenTransfer #
- [Prv] _transferStandard #
- [Prv] _takeTeam #
- [Prv] _reflectFee #
- [Ext] <Fallback> ($)
- [Prv] _getValues
- [Prv] _getTValues
- [Prv] _getRValues
- [Prv] _getRate
- [Prv] _getCurrentSupply
- [Pub] toggleSwap #
  - modifiers: onlyOwner
- [Ext] setMaxTxnAmount #
  - modifiers: onlyOwner
- [Ext] setMaxWalletSize #
  - modifiers: onlyOwner
- [Ext] setTaxFee #
  - modifiers: onlyOwner

- [Ext] setRefFee #
  - modifiers: onlyOwner
- [Ext] setBurnFee #
  - modifiers: onlyOwner
- [Ext] setJeetsFee #
  - modifiers: onlyOwner
- [Ext] setTimeJeets #
  - modifiers: onlyOwner

($) = payable function
= non-constant function

Issues Checking Status

	Issue description	Checking status
1.	**Compiler errors.**	Passed
2.	**Race conditions and Reentrancy. Cross-function race 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 usage.**	Passed
21.	**Fallback function security.**	Passed

Security Issues

High Severity Issues

No high severity issues found.

Medium Severity Issues

No medium severity issues found.

Low Severity Issues

No low severity issues found.

Notes:

- There is sending tokens to dead address instead of real burning (decreasing total supply).

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope. The further transfers and operations with the funds raise are not related to this particular contract.

Liquidity locking details are provided by the team:
https://app.unicrypt.network/amm/uni-v2/pair/0xcbfa0602d5326630203d59798eaf661df69362ef

Ownership renounce details are provided by the team:
https://etherscan.io/tx/0x7731ff3d7a9403d899103a4859d71c4f96b21ec228199653c4e9ec474e49a3a6

TechRate note:
Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.