



SMART CONTRACT SECURITY AUDIT

Tecra Space (SWT token)

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Website: soken.io

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Disclaimer

This is a comprehensive report based on our automated and manual examination of cybersecurity vulnerabilities and framework flaws. We took into consideration smart contract based algorithms, as well. Reading the full analysis report is essential to build your understanding of project's security level. It is crucial to take note, though we have done our best to perform this analysis and report, that you should not rely on the our research and cannot claim what it states or how we created it. Before making any judgments, you have to conduct your own independent research. We will discuss this in more depth in the following disclaimer - please read it fully.

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Security analysis is based only on the smart contracts. No applications or operations were reviewed for security. No product code has been reviewed.

Procedure

Our analysis contains following steps:

1. Project Analysis;
2. Manual analysis of smart contracts:
 - Deploying smart contracts on any of the network(Ropsten/Rinkeby) using Remix IDE
 - Hashes of all transaction will be recorded
 - Behaviour of functions and gas consumption is noted, as well.
3. Unit Testing:
 - Smart contract functions will be unit tested on multiple parameters and under multiple conditions to ensure that all paths of functions are functioning as intended.
 - In this phase intended behaviour of smart contract is verified.
 - In this phase, we would also ensure that smart contract functions are not consuming unnecessary gas.
 - Gas limits of functions will be verified in this stage.
4. Automated Testing:
 - Mythril
 - Oyente
 - Manticore
 - Solgraph

Terminology

We categorize the finding into 4 categories based on their vulnerability:

- Low-severity issue — less important, must be analyzed
- Medium-severity issue — important, needs to be analyzed and fixed
- High-severity issue — important, might cause vulnerabilities, must be analyzed and fixed
- Critical-severity issue — serious bug causes, must be analyzed and fixed.

Limitations

The security audit of Smart Contract cannot cover all vulnerabilities. Even if no vulnerabilities are detected in the audit, there is no guarantee that future smart contracts are safe. Smart contracts are in most cases safeguarded against specific sorts of attacks. In order to find as many flaws as possible, we carried out a comprehensive smart contract audit. Audit is a document that is not legally binding and guarantees nothing.

Token Contract Details for 04.03.2022

Contract Name: **Token**

Deployed address: **0x63f52A8259a77f50d112C506e0AB4Ac997b69494**

Total Supply: **20,000,000**

Token Tracker: **SWT**

Decimals: **18**

Token holders: **1**

Transactions count: **1**

Top 100 holders dominance: **100%**

Audit Details



Project Name: **Tecra Space**

Language: **Solidity**

Compiler Version: **v0.8.10**

Blockchain: **Tecra Space**

Social Profiles

Project Website: <https://tecra.space/>

Project Twitter: <https://twitter.com/TecraCoin>

Project Telegram: <https://t.me/joinchat/G0cfwFLm0ZgYwQenGrjuCg>

Project Facebook: <https://www.facebook.com/tecra.space>

Project Instagram: <https://www.instagram.com/tecraspace/>

Project YouTube: <https://www.youtube.com/c/TecraCoin>

Project LinkedIn: <https://www.linkedin.com/company/tecracoin/>

Project GitHub: <https://github.com/tecracoin/>

About the Spacewalkers

“ Spacewalkers team has decades of experience shared among its team members, gained over multiple projects in well established studios such as Flying Wild Hog, Bloober Team, ONE MORE LEVEL or Ancient Forge Studio. After creating a multitude of games both with publishers and independently, we have decided to pool our resources, know-how and passion to create a studio that will achieve even more.

Our goal determined to deliver innovative and meaningful gameplay to players both on PC and consoles. It is to deliver premium AA quality games while maintaining the freedom to create unconventional experiences. This approach gives us an edge over less agile competition, constrained by established solutions. We want to make games of a premium model, sold typically through digital distribution platforms like Steam or Playstation Store. Our games will be priced between \$20 to \$30. “

SWT Tokenomics

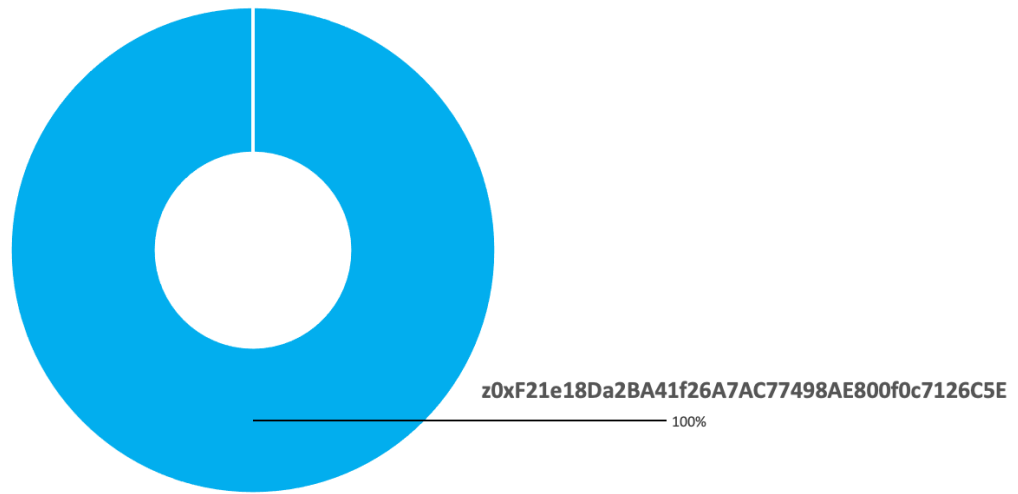
SWT token distribution and tokenomics have been reviewed by Soken Tech team.

SWT Token - Spacewalkers

Number of tokens on sale	20 000 000 SWT
Tokens that are not sold will be	Burned
Premium account price (purchase via TCR)	0.85 USDT
Premium account price (purchase via USD, EUR, PLN or ETH, USDT)	0.90 USDT
Basic account price (purchase via TCR)	0.95 USDT
Basic account price (purchase via USD, EUR, PLN or ETH, USDT)	1.00 USDT
TCR token purchase limit* (basic account)	1000 USD
TCR token purchase limit* (premium account)	2000 USD
Percentage of revenue	40%
The period of token repurchase	five years of each game
Beginning of the repurchase	Q1 2024
Frequency of repurchase	Quarterly
ROI soft cap	13.02%
ROI hard cap	24.90 %

Learn more: <https://tecra.space/spacewalkers-project#investor>

SWT Token Distribution



SWT Top Holders

Rank	Address	Quantity (Token)	Percentage
1	0xF21e18Da2BA41f26A7AC77498AE800f0c7126C5E	20,000,000	100%

Contract Function Details

+ Contract Source Code

- [Ext] transferByLegacy
- [Ext] transferFromByLegacy
- [Ext] approveByLegacy
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer
- [Ext] allowance
- [Ext] approve
- [Ext] transferFrom
- [Ext] name
- [Ext] symbol
- [Ext] decimals
- [Ext] approve
- [Ext] burn
- [Ext] burnFrom
- [Ext] transfer
- [Ext] transferFrom
- [Ext] acquire
- [Ext] addBlacklister
- [Ext] removeBlacklister
- [Ext] addBlacklist
- [Ext] removeBlacklist
- [Ext] burnBlackFunds
- [Ext] bulkTransfer
- [Ext] bulkTransferFrom
- [Ext] bulkTransfer
- [Ext] bulkTransferFrom
- [Ext] giveOwnership
- [Ext] acceptOwnership
- [Ext] addPauser
- [Ext] removePauser
- [Ext] pause
- [Ext] unpause
- [Ext] permit
- [Ext] upgrade
- [Ext] balanceOf
- [Ext] allowance
- [Ext] totalSupply
- [Prv] _approve
- [Prv] _allowanceTransfer
- [Prv] _burn
- [Prv] _transfer

Vulnerabilities checking

Issue Description	Checking Status
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed
Timestamp Dependence	Completed
Shadowing State Variables	Completed
DoS with Failed Call	Completed
DoS with Block Gas Limit	Completed
Outdated Compiler Version	Completed
Assert Violation	Completed
Use of Deprecated Solidity Functions	Completed
Integer Overflow and Underflow	Completed
Function Default Visibility	Completed
Malicious Event Log	Completed
Math Accuracy	Completed
Design Logic	Completed
Fallback Function Security	Completed
Cross-function Race Conditions	Completed
Safe Zeppelin Module	Completed

Security Issues

Low Severity issues:

1) Owner Privileges

The owner can add any user to the blacklist. The owner can set all the balances of the blacklisted users to zero through the `burnBlackFunds` function.

Conclusion

Low-severity issues exist within smart contracts. Smart contracts are free from any critical or high-severity issues.

NOTE: Please check the disclaimer above and note, that audit makes no statements or warranties on business model, investment attractiveness or code sustainability.

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