



MOTECH AUDIT

SMART CONTRACT SECURITY AUDIT

SECURITY ASSESSMENT

SEKURITANCE TOKEN AUDIT REPORT

2021

25 NOV 2021

SECURITY ASSESMENT

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SUMMARY

This report has been prepared for Sekuritanace to discover issues and vulnerabilities in the source code of the Sekuritanace project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Static Analysis, Manual Review, and Test net Deployment techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the codebase 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 codebase 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:

- Enhance general coding practices for better structures of source codes;
- Add enough unit tests to cover the possible use cases given they are currently missing in the repository;
- Provide more comments per each function for readability, especially contracts are verified in public;
- Provide more transparency on privileged activities once the protocol is live.



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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.



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BACKGROUND

MotechAudit was commissioned by Sekuritanace to perform an audit of smart contracts:

<https://etherscan.io/address/0x887168120cb89fb06f3e74dc4af20d67df0977f6>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.



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AUDIT DETAILS



AUDITED PROJECT

Sekuritance



DEPLOYER ADDRESS

0x7177127B5955Ba8F58CC2E2D74E9FF40A84B4Af3



CLIENT CONTACTS:

Sekuritance Team



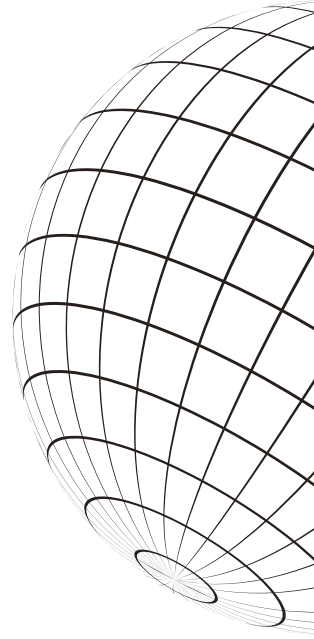
BLOCKCHAIN

Ethereum Project



WEBSITE:

<https://www.sekuritance.com/>

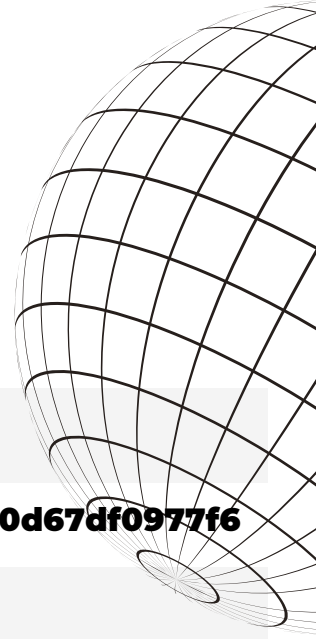


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CONTRACT DETAILS

Token contract details for Mar-22-2021



Contract name	Sekuritance
Contract address	0x887168120cb89fb06f3e74dc4af20d67df0977f6
Total supply	818,202,997 SKRT
Token ticker	Sekuritance (SKRT)
Decimals	18
Token holders	3,317
Transactions count	27,638
Top 100 holders dominance	82.2094%
Contract deployer address	0x7177127B5955Ba8F58CC2E2D74E9FF40A84B4Af3
Contract's current owner address	0x7177127B5955Ba8F58CC2E2D74E9FF40A84B4Af3

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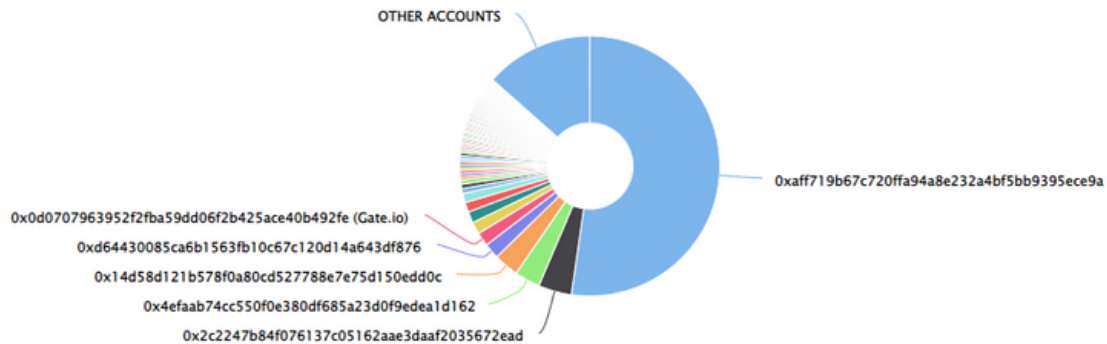
SEKURITANCE TOKEN DISTRIBUTION

The top 100 holders collectively own 86.55% (708,161,079.11 Tokens) of Sekuritan

Token Total Supply: 818,202,997.00 Token | Total Token Holders: 3,317

Sekuritan Top 100 Token Holders

Source: Etherscan.io



(A total of 708,161,079.11 tokens held by the top 100 accounts from the total supply of 818,202,997.00 token)

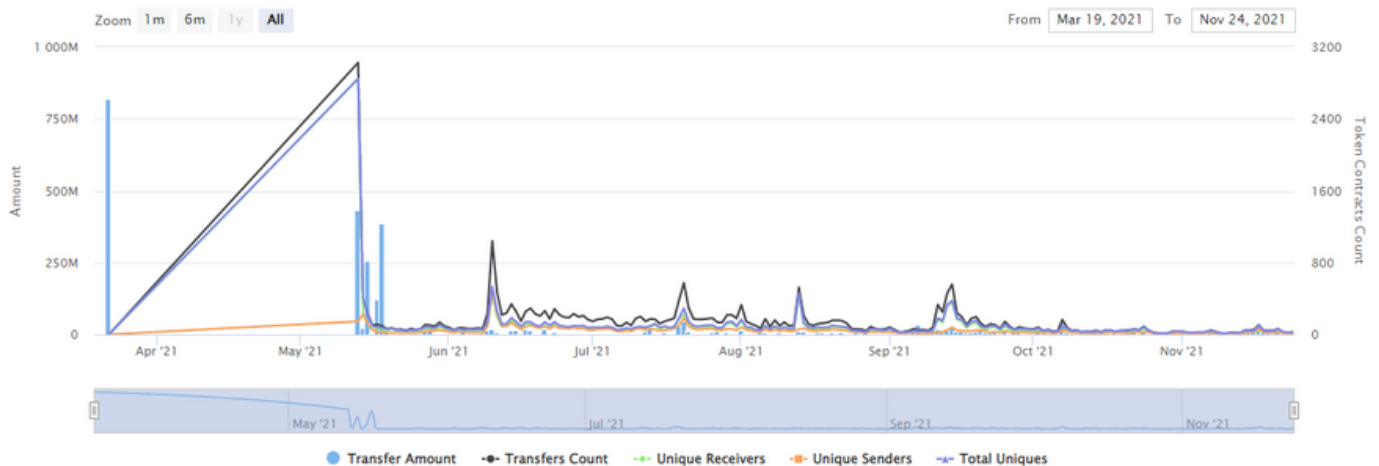
SEKURITANCE TOKEN CONTRACT INTERACTION DETAILS

Time Series: Token Contract Overview

Mon 22, Mar 2021 - Wed 24, Nov 2021

Token Contract 0x887168120cb89fb06f3e74dc4af20d67df0977f6 (Sekuritan)
















Source: Etherscan.io



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TOP 10 TOKEN HOLDERS

Rank	Address	Quantity	Percentage	Value	Analytics
1	0xaf719b67c720ffa94a8e232a4bf5bb9395ece9a	427,808,158.340193374444851636	52.2863%	\$6,483,505.37	
2	 0x2c2247b84f076137c05162aae3daaf2035672ead	33,916,419.534916201117364032	4.1452%	\$514,009.10	
3	0x4efaab74cc550f0e380df685a23d0f9edea1d162	25,913,964	3.1672%	\$392,730.53	
4	 0x14d58d121b578f0a80cd527788e7e75d150edd0c	25,419,833.297969187675411216	3.1068%	\$385,241.90	
5	 0xd64430085ca6b1563fb10c67c120d14a643df876	15,786,784.7789089350658	1.9294%	\$239,251.41	
6	Gate.io	14,067,517.246362434544494531	1.7193%	\$213,195.62	
7	 Uniswap V2: SKRT 2	12,133,010.162227124356367787	1.4829%	\$183,877.83	
8	0x377c52b516660c0cd96736b4fdc47f3a6c6d94fb	11,507,009.444426437731303506	1.4064%	\$174,390.68	
9	0x6b2d9e468569833c90ad7cb66227c565bc66db4f	10,000,000	1.2222%	\$151,551.70	
10	 0x8ad97ed3674cda319761afc8785c831002e2bff9	9,232,636.117715934329863998	1.1284%	\$139,922.17	

source:<https://etherscan.io/>



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SECURITY ISSUES

✓ High Severity Issues

No high severity issues found.

✓ Medium Severity Issues

No high severity issues found.

✓ Low Severity Issues

No high severity issues found.

Lowest / Code style / Best Practice Severity Issues

1. Vulnerability: Incorrect versions of Solidity

- Solidity version 0.5.12 is not recommended for deployment. Please consider using any of the following Solidity versions:

- 0.5.16 - 0.5.17
- 0.6.11 - 0.6.12
- 0.7.5 - 0.7.6

Use a simple pragma version that allows any of these versions. Consider using the latest version of Solidity for testing.

2. Vulnerability: State variable that should be immutable

State variables that got initialized in the constructor and don't change their value should be declared immutable to save gas.

Lines: #443-445

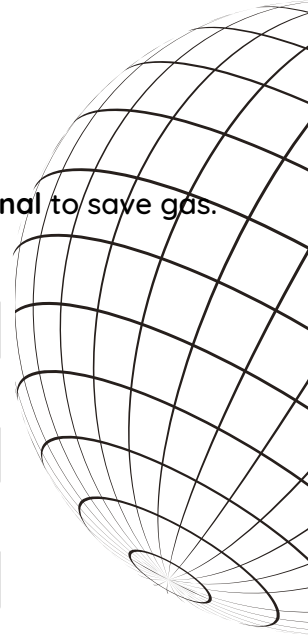
```
string private  name;  
string private  symbol;  
uint8 private  _decimals;
```



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SECURITY ISSUES



3. Vulnerability: Public function that could be declared external
public functions that are never called by the contract should be declared **external** to save gas.

Lines: #471

```
function name() public view returns (string memory) {
```

Lines: #480

```
function symbol() public view returns (string memory) {
```

Lines: #487

```
function decimals() public view returns (uint8) {
```

Lines: #494

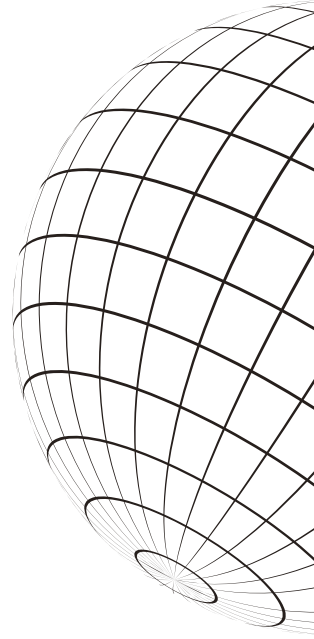
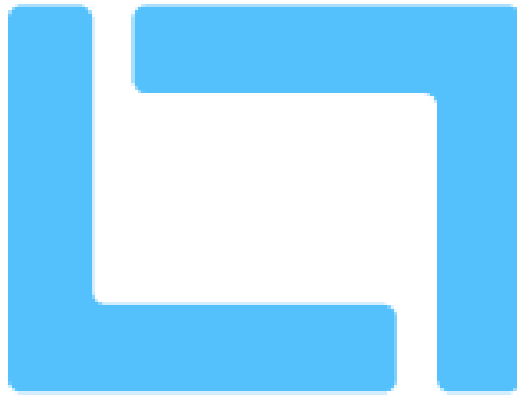
```
function totalSupply() public view override returns (uint256) {
```

4. Line 455 is above the recommended maximum line length.



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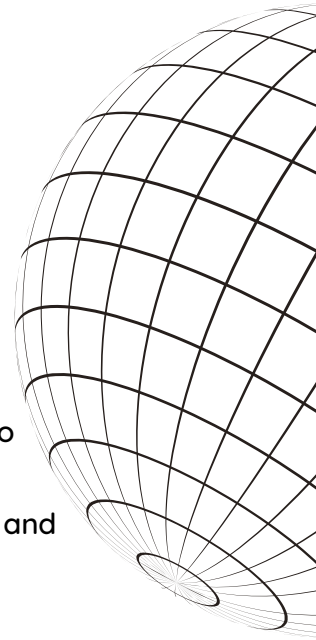
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TOKEN LOGO



SECURITY ASSESMENT CONCLUSION

Smart contracts contain owner privileges!

Motech Audit 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.



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