



MOTECH AUDIT

SMART CONTRACT SECURITY AUDIT

SECURITY ASSESSMENT

POLKALOKR TOKEN AUDIT REPORT

2021

15 NOV 2021

SECURITY ASSESMENT

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SECURITY ASSESMENT

SUMMARY

This report has been prepared for Polkalokr to discover issues and vulnerabilities in the source code of the Polkalokr 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 Testnet 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 Polkalokr to perform an audit of smart contracts:

<https://etherscan.io/address/0x80ce3027a70e0a928d9268994e9b85d03bd4cdcf>

The purpose of the audit was to achieve the following:

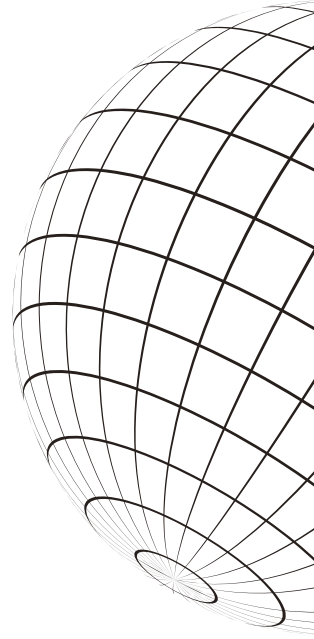
- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

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

Polkalokr



DEPLOYER ADDRESS

0x08Aeea57394Fe5d61BfB7AeeB15e32db67575d16



CLIENT CONTACTS:

Polkalokr team



BLOCKCHAIN

Ethereum Project



WEBSITE:

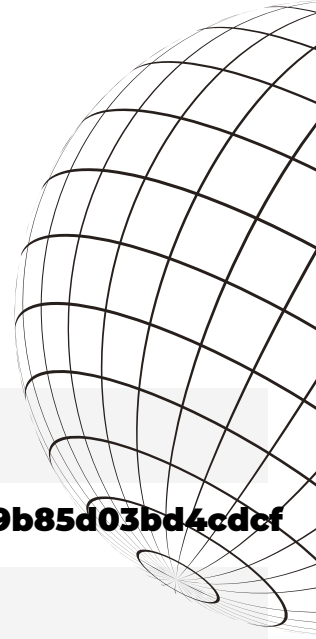
<https://polkalokr.com/>



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CONTRACT DETAILS

Token contract details for Apr-04-2021



Contract name	Polkalokr
Contract address	0x80ce3027a70e0a928d9268994e9b85d03bd4cdcf
Total supply	100,000,000 LKR
Token ticker	Polkalokr (LKR)
Decimals	18
Token holders	2,582
Transactions count	18,014
Top 100 holders dominance	93.0542%
Contract deployer address	0x08Aeea57394Fe5d61BfB7AeeB15e32db67575d16
Contract's current owner address	0x08Aeea57394Fe5d61BfB7AeeB15e32db67575d16

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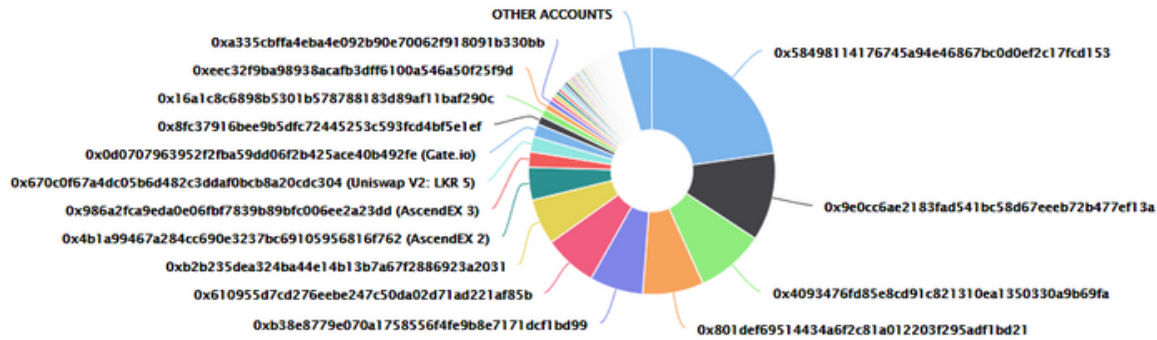
POLKALOKR TOKEN DISTRIBUTION

The top 100 holders collectively own 95.47% (95,473,905.18 Tokens) of Polkalokr

Token Total Supply: 100,000,000.00 Token | Total Token Holders: 2,582

Polkalokr Top 100 Token Holders

Source: Etherscan.io



(A total of 95,473,905.18 tokens held by the top 100 accounts from the total supply of 100,000,000.00 token)

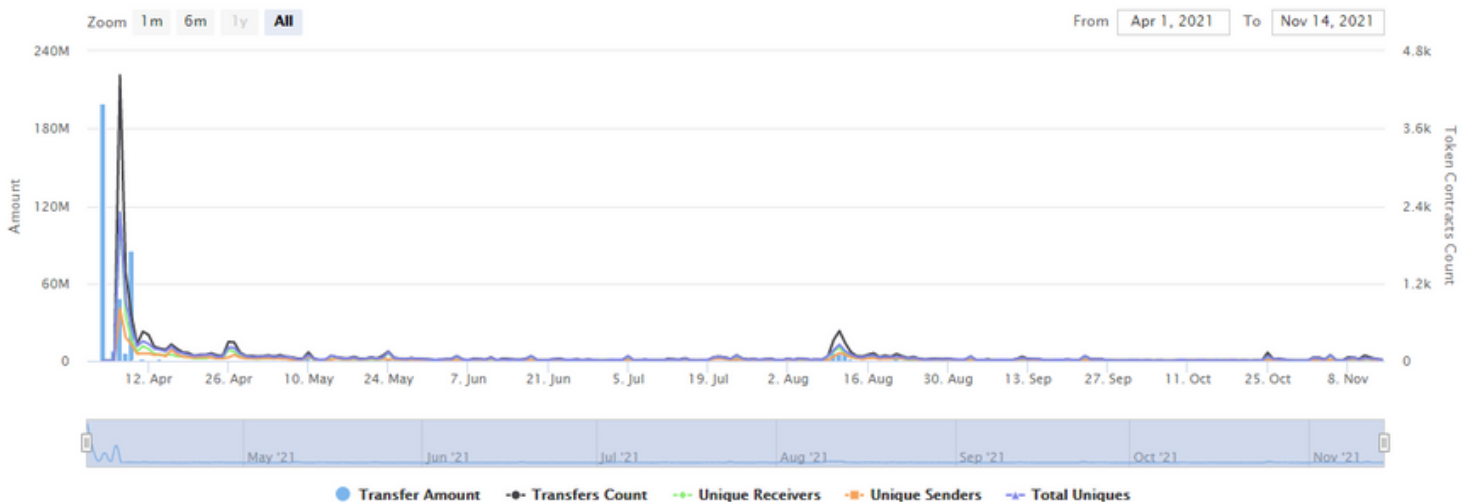
POLKALOKR TOKEN CONTRACT INTERACTION DETAILS

Time Series: Token Contract Overview

Sun 4, Apr 2021 - Sun 14, Nov 2021

Token Contract 0x80ce3027a70e0a928d9268994e9b85d03bd4cdf (Polkalokr)

Source: Etherscan.io



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TOP 10 TOKEN HOLDERS

Rank	Address	Quantity	Percentage	Value	Analytics
1	0x58498114176745a94e46867bc0d0ef2c17fcd153	22,735,000	22.7350%	\$5,332,357.84	📈
2	0x9e0cc6ae2183fad541bc58d67eeeb72b477ef13a	11,472,875	11.4729%	\$2,690,893.99	📈
3	0x4093476fd85e8cd91c821310ea1350330a9b69fa	9,000,000	9.0000%	\$2,110,896.00	📈
4	0x801def69514434a6f2c81a012203f295adf1bd21	8,000,000	8.0000%	\$1,876,352.00	📈
5	0xb38e8779e070a1758556f4fe9b8e7171dcf1bd99	7,000,000	7.0000%	\$1,641,808.00	📈
6	0x610955d7cd276eebe247c50da02d71ad221af85b	7,000,000	7.0000%	\$1,641,808.00	📈
7	0xb2b235dea324ba44e14b13b7a67f2886923a2031	6,000,000	6.0000%	\$1,407,264.00	📈
8	AscendEX 2	4,273,563.163817753891148751	4.2736%	\$1,002,338.60	📈
9	AscendEX 3	2,011,753.180469524643690235	2.0118%	\$471,844.64	📈
10	📄 Uniswap V2: LKR 5	2,007,370.57876836285466663	2.0074%	\$470,816.73	📈

source<https://etherscan.io/>

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SECURITY ISSUES

✓ High Severity Issues

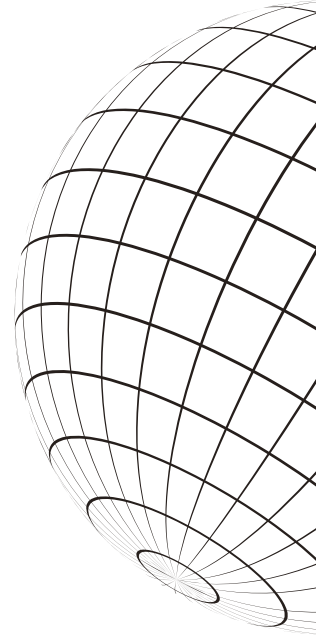
No high severity issues found.

✓ Medium Severity Issues

No medium severity issues found.

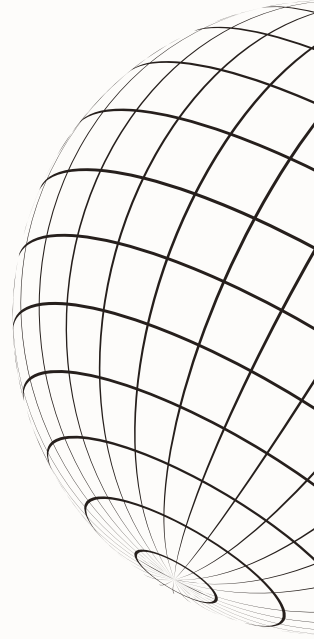
✓ Low Severity Issues

No medium severity issues found.



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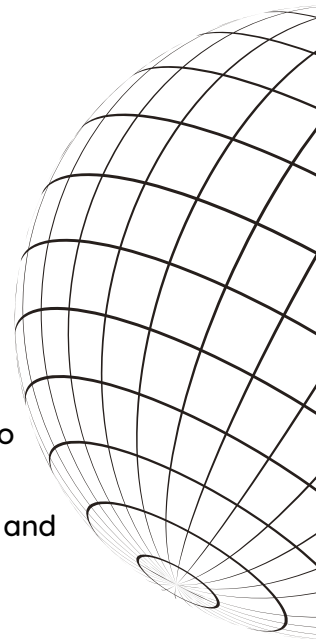
SECURITY ASSESMENT TOKEN LOGO



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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