



MOTECH AUDIT

SMART CONTRACT SECURITY AUDIT

SECURITY ASSESSMENT

FORBITSPACE TOKEN AUDIT REPORT

2021

10 JAN 2022

SECURITY ASSESMENT

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SUMMARY

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

<https://bscscan.com/address/0xA953736904e23Fafb42e353D41224208999999999>

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

Forbitspace



DEPLOYER ADDRESS

0xdc16e70C2b8a43952B89365437f07bB9D207B399



CLIENT CONTACTS:

Forbitspace team



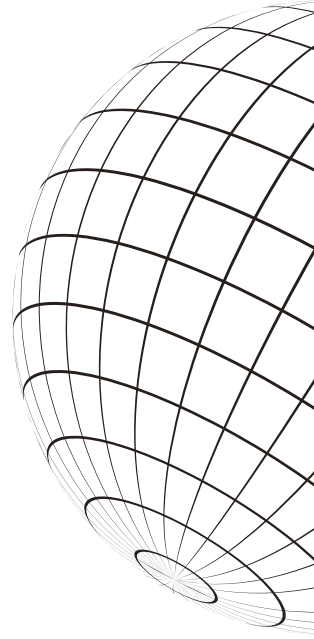
BLOCKCHAIN

Binance Smart Chain Project



WEBSITE:

<https://forbitspace.com/>

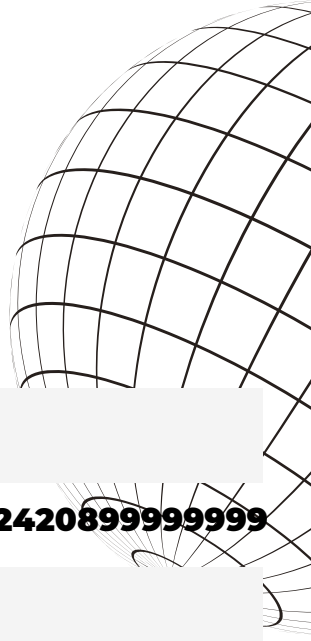


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CONTRACT DETAILS

Token contract details for Sep-28-2021



Contract name	Forbitspace
Contract address	0xA953736904e23Fafb42e353D4122420899999999
Total supply	2,200,000,000 FBS
Token ticker	forbitspace (FBS)
Decimals	18
Token holders	1
Transactions count	1
Top 100 holders dominance	100%
Contract deployer address	0xdc16e70C2b8a43952B89365437f07bB9D207B399
Contract's current owner address 0xdc16e70C2b8a43952B89365437f07bB9D207B399	

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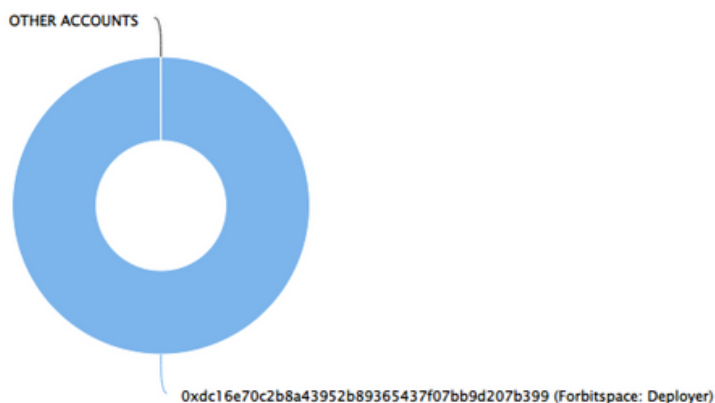
FORBITSPACE TOKEN DISTRIBUTION

The top 100 holders collectively own 100.00% (2,200,000,000.00 Tokens) of forbitspace

Token Total Supply: 2,200,000,000.00 Token | Total Token Holders: 1

forbitspace Top 100 Token Holders

Source: BscScan.com



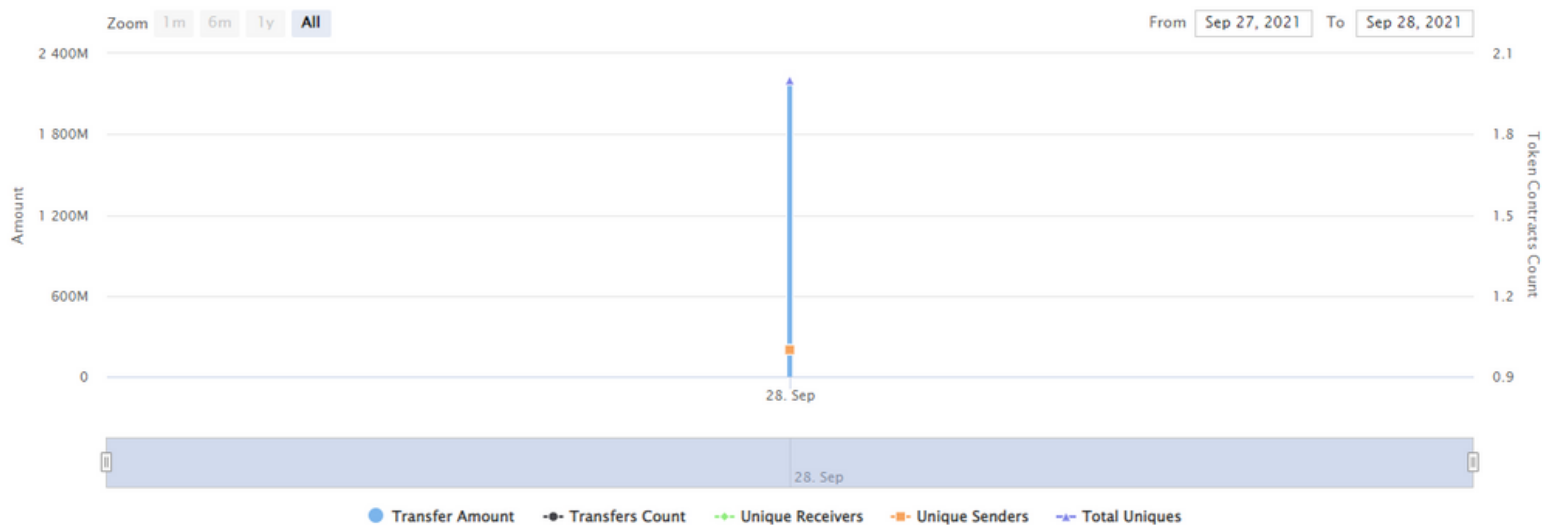
(A total of 2,200,000,000.00 tokens held by the top 100 accounts from the total supply of 2,200,000,000.00 token)

FORBITSPACE TOKEN CONTRACT INTERACTION DETAILS

Time Series: Token Contract Overview

Tue 28, Sept 2021 - Tue 28, Sept 2021


Token Contract 0xA953736904e23FafB42e353D4122420899999999 (forbitspace)
Source: BscScan.com



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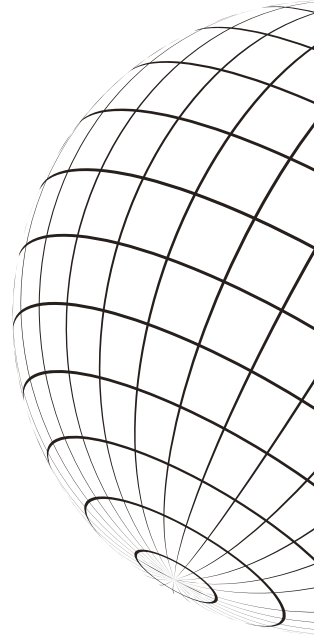
TOP 1 TOKEN HOLDERS

Rank	Address	Quantity	Percentage	Analytics
1	Forbitspace: Deployer	2,200,000,000	100.0000%	

source:<https://bscscan.com/>

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SECURITY ISSUES



✓ Critical Severity Issues
No high severity issues found.

✓ High Severity Issues
No high severity issues found.

✓ Medium Severity Issues
No high severity issues found.

Low Severity Issues

1. Missing event for changing admin
Contracts: Payment.sol

Functions: setAdmin Changing critical values should be followed by the event emitting for better tracking off-chain.

Recommendation: Please emit events on the critical values changing.

2. A public function that could be declared external.

public functions that are never called by the contract should be declared external to save gas.

Contracts: Payment.sol, forbitspaceX.sol

Functions: setAdmin, aggregate

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SECURITY ISSUES

Recommendation: Use the external attribute for functions never called from the contract.

3. Using SafeMath in Solidity \geq 0.8.0

Starting solidity version 0.8.0 arithmetic operations revert on underflow and overflow. There's no more need to assert the result of operations.

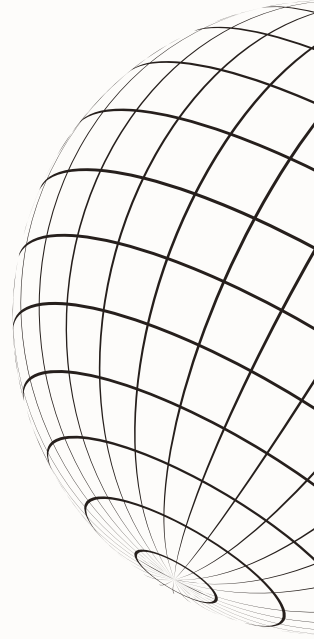
Contracts: Payment.sol, forbitspaceX.sol

Recommendation: Please avoid using assert for arithmetic operations.



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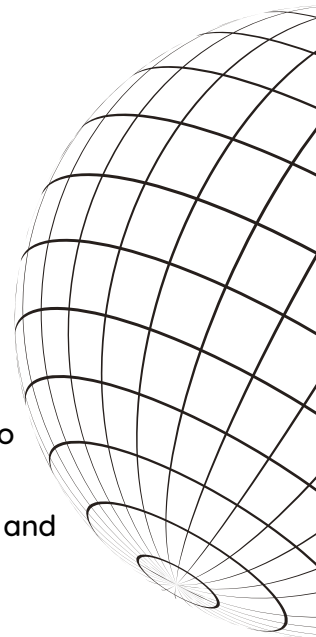
SECURITY ASSESMENT TOKEN LOGO



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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