



MOTECH AUDIT

SMART CONTRACT SECURITY AUDIT

SECURITY ASSESSMENT

GUNSTAR TOKEN AUDIT REPORT

2021

4 DEC 2021

SECURITY ASSESMENT

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SECURITY ASSESMENT

SUMMARY

This report has been prepared for Cryptia to discover issues and vulnerabilities in the source code of the Cryptia 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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SECURITY ASSESSMENT BACKGROUND

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

<https://bscscan.com/address/0x7edc0ec89f987ecd85617b891c44fe462a325869>

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

Gunstar



DEPLOYER ADDRESS

0x95cCe83F4EC3E68DaABEf3604a33e00fb097fe22



CLIENT CONTACTS:

Gunstar Team



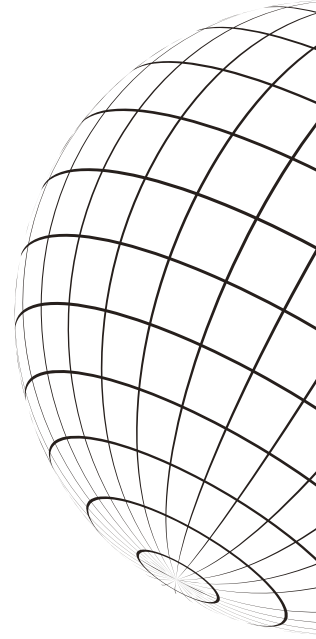
BLOCKCHAIN

BSC Project



WEBSITE:

<https://gunstar.io/>

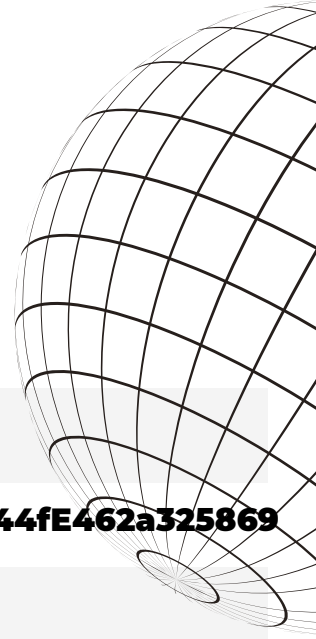


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CONTRACT DETAILS

Token contract details for Sep-23-2021



| | |
|---|---|
| Contract name | Gunstar |
| Contract address | 0x7eDC0eC89F987ECd85617b891c44fE462a325869 |
| Total supply | 400,000,000 GST |
| Token ticker | Gunstar Metaverse (GST) |
| Decimals | 18 |
| Token holders | 6,739 |
| Transactions count | 32,129 |
| Top 100 holders dominance | 97.71% |
| Contract deployer address | 0x95cCe83F4EC3E68DaABEf3604a33e00fb097fe22 |
| Contract's current owner address | 0x95cCe83F4EC3E68DaABEf3604a33e00fb097fe22 |

SECURITY ASSESSMENT

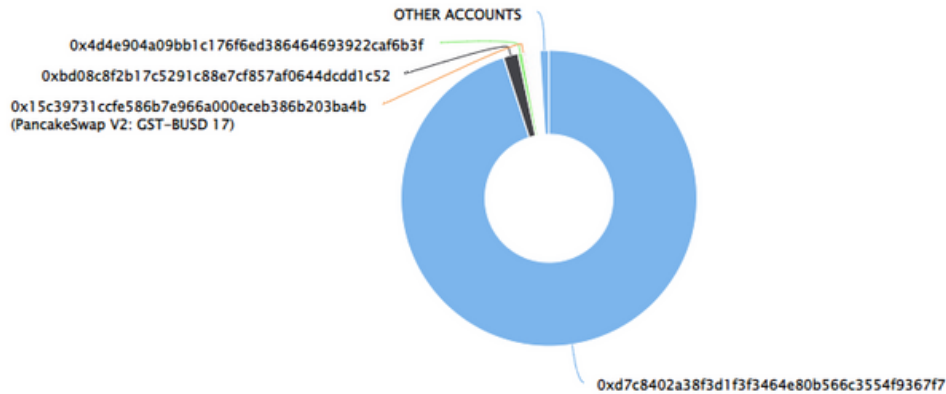
GUNSTAR TOKEN DISTRIBUTION

The top 100 holders collectively own 99.01% (396,055,387.06 Tokens) of Gunstar Metaverse

Token Total Supply: 400,000,000.00 Token | Total Token Holders: 6,736

Gunstar Metaverse Top 100 Token Holders

Source: BscScan.com



(A total of 396,055,387.06 tokens held by the top 100 accounts from the total supply of 400,000,000.00 token)

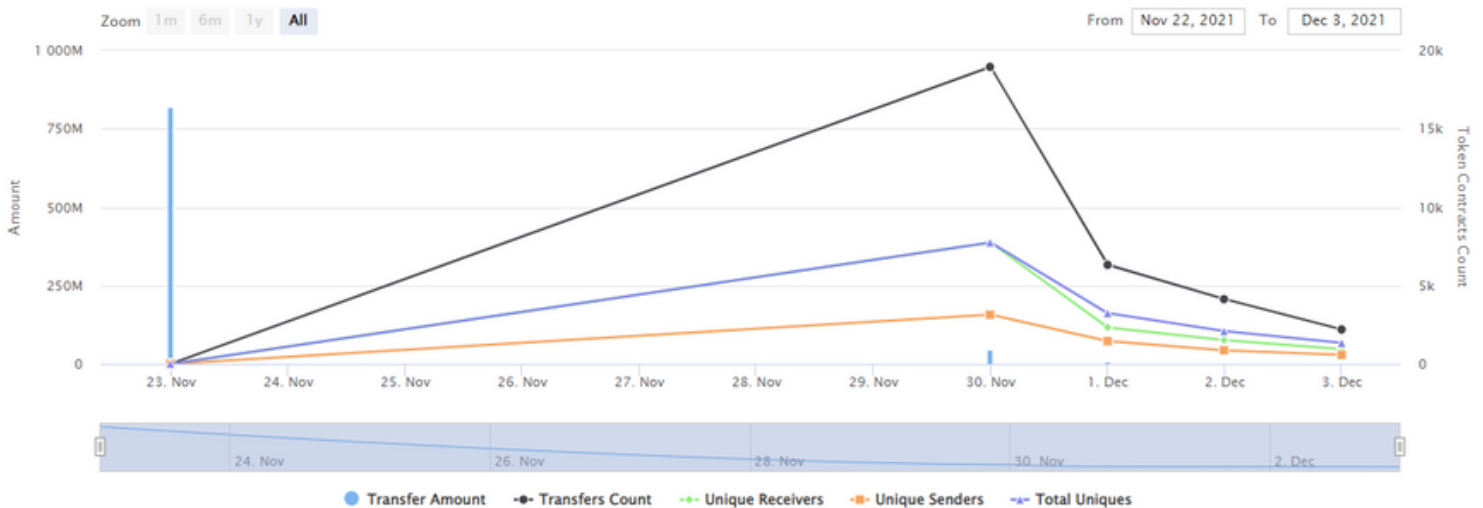
GUNSTAR TOKEN CONTRACT INTERACTION DETAILS

Time Series: Token Contract Overview

Tue 23, Nov 2021 - Fri 3, Dec 2021

Token Contract 0x7edc0ec89f987ecd85617b891c44fe462a325869 (Gunstar Metaverse)













Source: BscScan.com



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TOP 10 TOKEN HOLDERS

| Rank | Address | Quantity | Percentage | Analytics |
|------|---|----------------------------|------------|---|
| 1 |  0xd7c8402a38f3d1f3f3464e80b566c3554f9367f7 | 380,088,000 | 95.0220% |  |
| 2 | 0xbd08c8f2b17c5291c88e7cf857af0644dcdd1c52 | 6,485,714.29 | 1.6214% |  |
| 3 | 0x4d4e904a09bb1c176f6ed386464693922caf6b3f | 1,937,177 | 0.4843% |  |
| 4 |  PancakeSwap V2: GST-BUSD 17 | 648,087.170392331216994034 | 0.1620% |  |
| 5 | 0x6321e8a609ee5b21fbd2fd4825f7a495df4ef491 | 575,000 | 0.1438% |  |
| 6 | 0xb73f8abc0371b1ab67f9daaedb7ecbc1b1dd7e79 | 522,791.254812545424016917 | 0.1307% |  |
| 7 | 0x56de60c96189b5af6063e3534ac4201086281d32 | 285,768.480393183749223022 | 0.0714% |  |
| 8 | 0xbe551dd71cfd5e78157840dc87bd70b7204a20f | 267,857 | 0.0670% |  |
| 9 | 0x60a5955034475b5d2b1523c2721dba2efe71c0c3 | 228,338 | 0.0571% |  |
| 10 | 0x738b253f9432410b414aad4f3e6a19f6264c9ca4 | 228,338 | 0.0571% |  |

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



SECURITY ASSESSMENT

SECURITY ISSUES

✓ High Severity Issues

No high severity issues found.

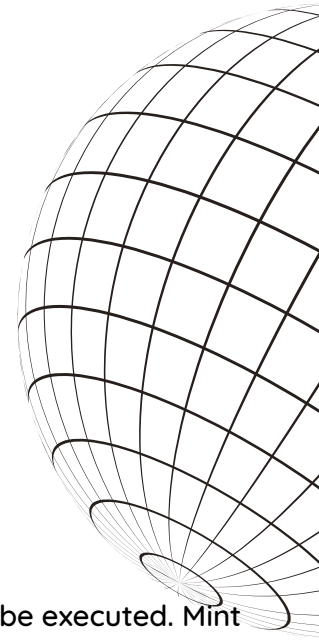
✓ Medium Severity Issues

No high severity issues found.

⚠ Low Severity Issues

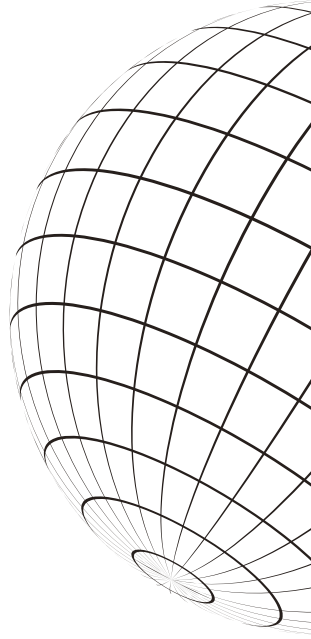
Since `_cap` is set to `_totalSupply` in the constructor, the mint function will never be executed. Mint and `_cap` are unnecessary.

Contracts: GunstarMetaverse.sol



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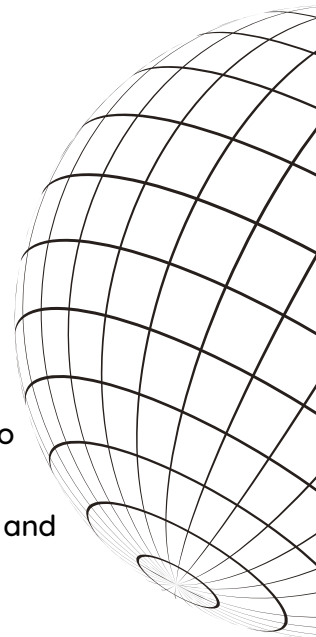
SECURITY ASSESMENT TOKEN LOGO



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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