

Audit Report **BORI**

May 2024

Network SOL

Type SPL-Token

Address C1BVvEQrZCiVDYfr2TcC5iHzTTfZoGMxKhcR7aEYdoyV

Audited by © cyberscope



Analysis

CriticalMediumMinor / InformativePass

Severity	Code	Description	Status
•	ST	Stops Transactions	Passed
•	OTUT	Transfers User's Tokens	Passed
•	ELFM	Exceeds Fees Limit (Transfer Fee Authority)	Passed
•	MT	Mints Tokens (Mint Authority)	Passed
•	ВТ	Burns Tokens	Passed
•	ВС	Blacklists Addresses (Freeze Authority)	Passed



Diagnostics

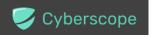
CriticalMediumMinor / Informative

Severity	Code	Description	Status
•	ITA	Initial Token Allocation	Unresolved



Table of Contents

Analysis	1
Diagnostics	2
Table of Contents	2
Review	4
Audit Updates	4
Overview	5
Metadata	6
Findings Breakdown	10
ITA - Initial Token Allocation	11
Description	11
Recommendation	12
MT - Mint Tokens (Mint Authority)	13
Description	13
Summary	14
Disclaimer	15
About Cyberscope	16



Review

Network	SOL
Explorer	https://solscan.io/token/C1BVvEQrZCiVDYfr2TcC5iHzTTfZoGMx KhcR7aEYdoyV
Fixed Supply	99,999,000,000.00
Token Address	C1BVvEQrZCiVDYfr2TcC5iHzTTfZoGMxKhcR7aEYdoyV
Token name	BORI (BORI)
Owner Program	<u>Token Program</u>
Decimals	6
Metadata File Type	JSON
Badge Eligibility	Yes

Audit Updates

Initial Audit	20 May 2024
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Overview

The BORI token symbolized as BORI, is a distinguished SPL (Solana Program Library) token initialized using the TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA Token Program on the Solana blockchain, with a supply of 99,999,000,000 tokens. The token uses the URL

https://bafkreiapsq6ib2cazdjm6nxt77m7z4ikeote753clsgk2hhbu4mfcuewn4.ipfs.nftstorage.l ink, which points to a decentralized storage service, while the image https://nftstorage.link/ipfs/bafybeibjqunifa7v2wpshnxcsuytltqvrvhgsacbuddx4ej2htckqf7nrq /e14be38d-9f75-4120-ab8a-6ffb8ae13040.jpg is used for visual identification of the token across platforms and marketplaces. Overall, the solana token is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.



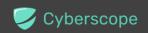
Metadata

The Metaplex Metadata provides details of the characteristics of the BORI token, a distinctive digital asset on the Solana blockchain tailored for utilizing the Metaplex Metadata. This metadata includes crucial information necessary for the asset's seamless integration and operation within the Solana ecosystem. Specifically, the metadata was initiated by declaring the 6YTMFVqWGVfPAvbrNmcvBV6Q4kuM4suMx2AJ8pg1zD53 as the update authority attribute, which points to the account authorized to modify the metadata. The mint attribute specified the account

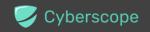
C1BVvEQrZCiVDYfr2TcC5iHzTTfZoGMxKhcR7aEYdoyV authorized for the initial token mint. The asset imposes sellerFeeBasisPoints of 0 basis points, indicating no transaction fee for trading is set. The metadata indicates that the asset has not yet undergone its primary sale as indicated by the primarySaleHappened value set to 0, and is marked as immutable since isMutable is 0, not allowing for future changes to the metadata. The editionNonce of 255 signifies a unique edition, while the tokenStandard of 2, aligns with a specified token standard within the Solana blockchain, ensuring its compatibility and standardization across the network. This detailed metadata structure offers a comprehensive overview of the token's key features and its operational framework within the Metaplex ecosystem on Solana.



```
"key": 4,
 "updateAuthority": "6YTMFVqWGVfPAvbrNmcvBV6Q4kuM4suMx2AJ8pg1zD53",
 "mint": "C1BVvEQrZCiVDYfr2TcC5iHzTTfZoGMxKhcR7aEYdoyV",
 "data": {
   "name": "BORI",
    "symbol": "BORI",
"https://bafkreiapsq6ib2cazdjm6nxt77m7z4ikeote753clsgk2hhbu4mfcuewn4.ipfs.nfts
torage.link",
    "sellerFeeBasisPoints": 0,
    "creators": [
        "address": "6YTMFVqWGVfPAvbrNmcvBV6Q4kuM4suMx2AJ8pg1zD53",
        "verified": 1,
       "share": 100
   ]
 "primarySaleHappened": 0,
 "isMutable": 0,
 "editionNonce": 255,
 "tokenStandard": 2
```



Field	Value	Description
key	4	Account discriminator that identifies the type of metadata account
updateAuthority	6YTMFVqWGVfPAvbrNmcvB V6Q4kuM4suMx2AJ8pg1zD5 3	The public key that is allowed to update this account
mint	C1BVvEQrZCiVDYfr2TcC5iHz TTfZoGMxKhcR7aEYdoyV	The public key of the Mint Account it derives from
name	BORI	The on-chain name of the token
symbol	BORI	The on-chain symbol of the token
uri	https://bafkreiapsq6ib2cazdj m6nxt77m7z4ikeote753clsgk 2hhbu4mfcuewn4.ipfs.nftstor age.link	The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard
sellerFeeBasisPoints	0	The royalties shared by the creators in basis points — This field is used by most NFT marketplaces, it is not enforced by the Token Metadata program itself
primarySaleHappened	0	A boolean indicating if the token has already been sold at least once. Once flipped to True, it cannot ever be False again. This field can affect the way royalties are distributed
isMutable	0	A boolean indicating if the metadata account can be updated. Once



		flipped to False, it cannot ever be True again
editionNonce	255	Unique identifier for this edition
tokenStandard	2	The standard of the token



Findings Breakdown



Severity	Unresolved	Acknowledged	Resolved	Other
Critical	0	0	0	0
Medium	0	0	0	0
Minor / Informative	1	0	0	0



ITA - Initial Token Allocation

Criticality	Minor / Informative
Status	Unresolved

Description

The accounts 3uTq4hcGppjUAYChaR4x9Sb9QGjr3BTXsWE9TNJAtG7Z, 6YTMFVqWGVfPAvbrNmcvBV6Q4kuM4suMx2AJ8pg1zD53 and mVdFEAcNeuueE4k71GxWEShot7Tp59ThdDJH194V265 hold a large portion of the total supply. Consequently, at the time of the report, these addresses own 99.9% of the entire token supply, amounting to 99,900,000,000 BORI. This concentration of almost the entire token supply in some addresses raises significant concerns about centralization within the token's ecosystem. Such a scenario creates a risk of market manipulation and could lead to other adverse effects, potentially undermining the token's decentralized nature and the overall health of its ecosystem.

Account	Quantity	Percentage
3uTq4hcGppjUAYChaR4x9Sb9QGjr3BTXsWE9TNJAtG7 Z	47,100,000,0 00	47.10%
6YTMFVqWGVfPAvbrNmcvBV6Q4kuM4suMx2AJ8pg1z D53	32,800,000,0 00	32.80%
mVdFEAcNeuueE4k71GxWEShot7Tp59ThdDJH194V26	20,000,000,0	20.00%



Recommendation

It is recommended to distribute the tokens more broadly to achieve a more decentralized token holding structure. This can mitigate the risks associated with centralization and ensure a more stable and secure ecosystem for all participants. If the new addresses consist of a team's wallet address, then the team should carefully manage the private keys of that account. We strongly recommend implementing a robust security mechanism to prevent a single user from accessing the contract admin functions, such as a multi-sign wallet so that many addresses will confirm the action.



MT - Mint Tokens (Mint Authority)

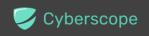
Criticality	Passed
Status	Resolved

Description

The token has a fixed supply of tokens, as the mint authority has been revoked, ensuring a stable and unchangeable total supply. This key characteristic enhances its value proposition within the ecosystem by eliminating the possibility of future inflation of the token value through additional minting. This creates a predictable environment for investors and users, contributing to a perception of increased trustworthiness and security. This decision aligns with the best practices aiming to preserve the token's integrity and value, fostering a more sustainable and confident market presence.

The information regarding the revoke transaction of the mint authority can be accessed through the following link:

https://solscan.io/tx/2rbhMPd4cM3w4QAteuy3sdxZHRrs7QAM29shs4eBshY4f2hqf4k2FHsaQ96Gj9vgcyNu3zezEfjLgjop9giwG2fj



Summary

The BORI token, built on the Solana network, leverages a solid architecture initiated via the Token program. This audit rigorously evaluates its performance, security, and compliance with best practices. The investigation aims to identify and address any operational vulnerabilities, performance bottlenecks, and areas for optimization, ensuring the token's robustness and reliability in the Solana ecosystem. The token program analysis reported no compiler errors or critical issues.



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Blockchain technology and cryptographic assets present a high level of ongoing risk Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



The Cyberscope team

https://www.cyberscope.io