



# Cyberscope

## Audit Report

# **SOLBULL**

April 2024

Network SOL

Type SPL-Token

Address AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB

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# Analysis

● Critical   ● Medium   ● Minor / Informative   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

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## Review

Network	SOL
Explorer	<a href="https://solscan.io/token/AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB">https://solscan.io/token/AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB</a>
Fixed Supply	999,835,221.85
Website	<a href="https://www.solbullsolana.com/token">https://www.solbullsolana.com/token</a>
Social Channels	<a href="https://twitter.com/SolbullSOLANA">https://twitter.com/SolbullSOLANA</a> , <a href="https://discord.gg/SolbullSOLANA">https://discord.gg/SolbullSOLANA</a> , <a href="https://t.me/solbull_solana">https://t.me/solbull_solana</a>
Token name	SOLBULL (SOLBULL)
Token address	<a href="https://solscan.io/token/AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB">AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB</a>
Owner Program	<a href="#">Token Program</a>
Update Authority	<a href="https://solscan.io/account/4ZJ2SFYjBfoowkQ22ADPzTYGqGYvjaTgTY8CNxfiXUUg">4ZJ2SFYjBfoowkQ22ADPzTYGqGYvjaTgTY8CNxfiXUUg</a>
Decimals	9
Signature	<a href="https://solscan.io/transaction/5R49S6AJGFsShNbbFTuuAYhaoJwwbxfbQQqCt21xswKooookN94ak1c3s4zug9aECMwKtWrAjTt4fUwkmbmyvukaL">5R49S6AJGFsShNbbFTuuAYhaoJwwbxfbQQqCt21xswKooookN94ak1c3s4zug9aECMwKtWrAjTt4fUwkmbmyvukaL</a>
Block	<a href="#">#255829816</a>
Deploy Time	March 22, 2024 21:57:09 +UTC
By	<a href="https://solscan.io/account/4ZJ2SFYjBfoowkQ22ADPzTYGqGYvjaTgTY8CNxfiXUUg">4ZJ2SFYjBfoowkQ22ADPzTYGqGYvjaTgTY8CNxfiXUUg</a>
MintTokens Authority	<a href="#">Revoked</a>
FreezeAccount Authority	<a href="#">Revoked</a>
Metadata File Type	JSON

<b>Name</b>	SOLBULL
<b>Symbol</b>	SOLBULL
<b>Image</b>	<a href="https://bafkreif6pwrn7tghsrka6udaxk552gltat3gygx4vmmsgixsdu-d66735yyy.ipfs.nftstorage.link">https://bafkreif6pwrn7tghsrka6udaxk552gltat3gygx4vmmsgixsdu-d66735yyy.ipfs.nftstorage.link</a>

## Audit Updates

<b>Initial Audit</b>	01 Apr 2024
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## Source Files

<b>Filename</b>	JSON
<b>Metadata/JSON</b>	<a href="https://solscan.io/token/AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB#metadata">https://solscan.io/token/AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB#metadata</a>

## Overview

The SOLBULL token symbolized as SOLBULL, is a distinguished SPL (Solana Program Library) token initialized using the TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA Token Program on the Solana blockchain. The SOLBULL token has a fixed supply of 999,835,221.85 tokens since the mint has been disabled. This ensures a stable and unchangeable total supply, enhancing its value proposition within the ecosystem. The token uses the URL <https://gist.githubusercontent.com/SOLCOWTOKEN/ecf85da4498c3a7cfd2a733553bb0cc3/raw/0715142990142048dbaad70e5f75f55d892067e5/solbullmetadata.json>, which points to a decentralized storage service while the <https://bafkreif6pwrn7tghsrka6udaxk552gltat3gygx4vmsgixsdud66735yyy.ipfs.nftstorage.link> image is used for visual identification of the token across various platforms and marketplaces. Overall, the SOLBULL token is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.

## Holders

At the time of this report, the top 5 holders of "SOLBULL" token are as follows:

#	Token Account	Account	Quantity	Percentage
1	<a href="#">RsMD6L...XK6zB7</a>	<a href="#">HPkMAf...yV6WvL</a>	75,000,000	7.5012%
2	<a href="#">BqfLHK...Etn3zH</a>	<a href="#">9ojN7v...8vr1qX</a>	74,113,458	7.4125%
3	<a href="#">EnBcda...Xsvxm4</a>	<a href="#">Raydium Authority V4</a>	53,537,777.86283 794	5.3546%
4	<a href="#">8vRAhp...QLrVGQ</a>	<a href="#">DhLYoe...mXu44a</a>	48,320,394.85030 3	4.8328%
5	<a href="#">CYEJXh...FfnXQ2</a>	<a href="#">5fyyfo...2JwfcV</a>	33,000,000.94456 5143	3.3005%

## Metadata

### MetaplexMetadata

The Metaplex Metadata provides details of the characteristics of the `SOLBULL` token which uses the `SOLBULL` symbol, 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.

The update authority attribute specifies the account

`4ZJ2SFYjBfoowkQ22ADPzTYGqGYvjaTgTY8CNxfiXUUg` authorized to modify the metadata.

The mint attribute specifies the account

`AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB` authorized for the initial token mint.

```
{
  "key": 4,
  "updateAuthority": "4ZJ2SFYjBfoowkQ22ADPzTYGqGYvjaTgTY8CNxfiXUUg",
  "mint": "AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB",
  "data": {
    "name": "SOLBULL",
    "symbol": "SOLBULL",
    "uri":
      "https://gist.githubusercontent.com/SOLCOWTOKEN/ecf85da4498c3a7cfd2a733553bb0c3/raw/0715142990142048dbaad70e5f75f55d892067e5/solbullmetadata.json",
    "sellerFeeBasisPoints": 0
  },
  "primarySaleHappened": 1,
  "isMutable": 0,
  "editionNonce": 253,
  "tokenStandard": 2
}
```



## Metadata description

The data section within the metadata discloses the asset's name as `SOLBULL`, its trading symbol as `SOLBULL`, and the URI pointing to "<https://gist.githubusercontent.com/SOLCOWTOKEN/ecf85da4498c3a7cfd2a733553bb0cc3/raw/0715142990142048dbaad70e5f75f55d892067e5/solbullmetadata.json>". Notably, the asset imposes a seller fee of 0 basis points, indicating no transaction fee for trading was set in the deploying phase. The metadata indicates that the asset has undergone its primary sale (`primarySaleHappened` : 1) and is marked as immutable (`isMutable` : 0), not allowing for future changes to the metadata. An `editionNonce` of 253 denotes a unique edition, and the asset conforms to a specific token standard within the Solana network (`tokenStandard` : 2), ensuring its compatibility and standardization across the platform. This detailed metadata structure offers a comprehensive overview of `SOLBULL` key features and its operational framework within the Metaplex ecosystem on Solana.

Field	Value	Description
key	4	Account discriminator that identifies the type of metadata account
updateAuthority	<a href="#">4ZJ2SFYjBfoowkQ22ADPzTYGqGYvjaTgTY8CNxfiXUUg</a>	The public key that is allowed to update this account
mint	<a href="#">AsL6AyPSG8EQz6KCgqViu2nA7G3E7ZbxK6zpVytqHxxB</a>	The public key of the Mint Account it derives from
name	SOLBULL	The on-chain name of the token
symbol	SOLBULL	The on-chain symbol of the token
uri	<a href="https://gist.githubusercontent.com/SOLCOWTOKEN/ecf85da4498c3a7cfd2a733553bb0cc3/raw/0715142990142048dbaad7">https://gist.githubusercontent.com/SOLCOWTOKEN/ecf85da4498c3a7cfd2a733553bb0cc3/raw/0715142990142048dbaad7</a>	The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard

	<a href="https://0e5f75f55d892067e5/solbullmetadata.json">0e5f75f55d892067e5/solbullmetadata.json</a>	
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	1	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	253	Unique identifier for this edition
tokenStandard	2	The standard of the token
description	Embark on a cosmic journey with SOLBULL Token—the memetoken for bullish dreams and galactic gains. It's a fun-filled rocket ride on Solana's fast blockchain, aiming straight for the moon. Hop on for bullish vibes and a sky-high ascent where memes fuel our market climb. Let's soar with #SOLBULL!	The description of the asset
extensions	telegram, twitter, discord, website	Extensions of the asset
creator	name, site	Creator of the asset

image	<a href="https://bafkreif6pwrn7tghsrka6udaxk552gltat3gygx4vmmsgixsdud66735yyy.ipfs.nftstorage.link">https://bafkreif6pwrn7tghsrka6udaxk552gltat3gygx4vmmsgixsdud66735yyy.ipfs.nftstorage.link</a>	URL pointing to the asset's logo
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## Findings Breakdown

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

## Summary

The SOLBULL token, built on the Solana network, implements a robust smart contract structure that was initialized using the Token program, with analysis revealing 1 medium issue.

The contract's mint authority has been renounced. The information regarding the transaction can be accessed through the following link:

<https://solscan.io/tx/3r3vAM1dmcZpi4RjXivz8rjWwX2QCwiPHJ6MysGGW7HpgvVcLmaDY9Z96pbpe1DSaT9cL78ywt1W2UREnxwDd9RV>

The contract's freeze authority has been renounced. The information regarding the transaction can be accessed through the following link:

<https://solscan.io/tx/48N5y9J3onzBtMwSuJDmhVGEk9azgK5vW3ZA4zMEwqo4L14an3fCQtfxdw5YbQ22J8v14bCEJcjwwBZidUa2oBcF>

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# 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>