

Audit Report MissingNo

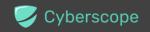
April 2024

Network SOL

Type SPL-Token

Address HArTb3LAKzoKqRP9i3uKrMHshcA8RZEHDHb8PKRfNqmU

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Analysis

CriticalMediumMinor / InformativePass

Severity	Code	Description	Status
•	ST	Stops Transactions	Passed
•	OTUT	Transfers User's Tokens	Passed
•	ELFM	Exceeds Fees Limit	Passed
•	MT	Mints Tokens	Passed
•	ВТ	Burns Tokens	Passed
•	ВС	Blacklists Addresses	Passed



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Review

Network	SOL		
Explorer	https://solscan.io/token/HArTb3LAKzoKqRP9i3uKrMHshcA8RZ EHDHb8PKRfNqmU		
Fixed Supply	999,783,464.19		
Token Address	HArTb3LAKzoKqRP9i3uKrMHshcA8RZEHDHb8PKRfNqmU		
Token name	MissingNo (MSGNO)		
Owner Program	Token Program		
Decimals	9		
MintTokens Authority	Revoked		
FreezeAccount Authority	Revoked		
Metadata File Type	JSON		
Badge Eligibility	Yes		

Audit Updates

Initial Audit	04 Apr 2024
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Source Files

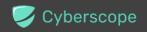
Filename	JSON
Metadata/JSON	https://solscan.io/token/HArTb3LAKzoKqRP9i3uKrMHshcA8RZ EHDHb8PKRfNqmU#metadata



Overview

The MissingNo token symbolized as MSGNO, is a distinguished SPL (Solana Program Library) token initialized using the TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA Token Program on the Solana blockchain, with a fixed supply of 999,783,464.19 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://ipfs.io/ipfs/QmU5k2HyF3W8yRvSs52Vu9ZqheXVsPmDQG4ZvnTJREV7Kw, which points to a decentralized storage service while the https://ipfs.io/ipfs/QmYgYFWC5ARtVc15bcwPhDJ9YkxeVCuez25GQCpUB6JjVy image is used for visual identification of the token across various platforms and marketplaces. Overall, the project is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.

Both the contract's mint and freeze authority have been renounced.



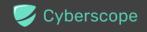
Metadata

The Metaplex Metadata provides details of the characteristics of the MissingNo 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 update authority attribute specifies the account 4Bcr77yHD98aRxLf7N9GdLeJTN34yWwzbpGqJFUHGKg4 authorized to modify the metadata. The mint attribute specifies the account HArTb3LAKzoKqRP9i3uKrMHshcA8RZEHDHb8PKRfNqmU authorized for the initial token mint. 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 not yet undergone its primary sale (primarySaleHappened : 0) and is marked as immutable (isMutable: 0), not allowing for future changes to the metadata. An editionNonce of 255 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 MissingNo key features and its operational framework within the Metaplex ecosystem on Solana.

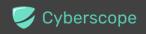
```
{
  "key": 4,
  "updateAuthority": "4Bcr77yHD98aRxLf7N9GdLeJTN34yWwzbpGqJFUHGKg4",
  "mint": "HArTb3LAKzoKqRP9i3uKrMHshcA8RZEHDHb8PKRfNqmU",
  "data": {
        "name": "MissingNo",
        "symbol": "MSGNO",
        "uri":
  "https://ipfs.io/ipfs/QmU5k2HyF3W8yRvSs52Vu9ZqheXVsPmDQG4ZvnTJREV7Kw",
        "sellerFeeBasisPoints": 0
    },
    "primarySaleHappened": 0,
    "isMutable": 0,
    "editionNonce": 255,
    "tokenStandard": 2
}
```



Field	Value	Description
key	4	Account discriminator that identifies the type of metadata account
updateAuthority	4Bcr77yHD98aRxLf7N9GdLeJ TN34yWwzbpGqJFUHGKg4	The public key that is allowed to update this account
mint	HArTb3LAKzoKqRP9i3uKrMHs hcA8RZEHDHb8PKRfNqmU	The public key of the Mint Account it derives from
name	MissingNo	The on-chain name of the token
symbol	MSGNO	The on-chain symbol of the token
uri	https://ipfs.io/ipfs/QmU5k2HyF 3W8yRvSs52Vu9ZqheXVsPmD QG4ZvnTJREV7Kw	The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard
sellerFeeBasisPo ints	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
primarySaleHap pened	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

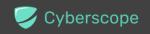


tokenStandard	2	The standard of the token



Findings Breakdown

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



Summary

The "MissingNo" token, built on the Solana network, implements a robust smart contract structure that was initialized using the Token program, with analysis revealing no issues.



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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