



Cyberscope

# Audit Report

## **Sol Heaven Token**

April 2025

Network SOL

Address SHLvDzzEfb3Mpo3ydZzmkoMmfn51DErRTPA4UKxNSYH

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# Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	STMA	Mint Authority	Passed
●	STFA	Freeze Authority	Passed
●	ST2TMM	Token Modifiable Metadata	Unresolved

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## Review

Network	Solana
Address	SHLvDzzEfb3Mpa3ydZzmkoMmfn51DErRTPA4UKxNSYH
Explorer	<a href="https://solscan.io/address/SHLvDzzEfb3Mpa3ydZzmkoMmfn51DErRTPA4UKxNSYH">https://solscan.io/address/SHLvDzzEfb3Mpa3ydZzmkoMmfn51DErRTPA4UKxNSYH</a>
Name	Sol Heaven Token
Symbol	SOLH
Decimals	9
Total Supply	1,000,000,000
Metadata File Type	JSON
Owner Program	<a href="https://solscan.io/address/TokenzQdBNbLqP5VEhdkAS6EPFLC1PHnBqCXEpPxEb">https://solscan.io/address/TokenzQdBNbLqP5VEhdkAS6EPFLC1PHnBqCXEpPxEb</a>
Badge Eligibility	Yes

## Audit Updates

Initial Audit	16 Apr 2025
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## Overview

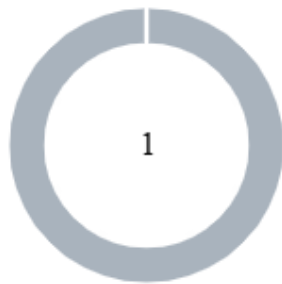
The Sol Heaven Token symbolized as SOLH, is a distinguished SPL (Solana Program Library) token initialized using the

`TokenzQdBNbLqP5VEhdkAS6EPFLC1PHnBqCXEpPxuEb` Token Program on the Solana blockchain, with a supply of 1,000,000,000 tokens. The token uses the URL

<https://gateway.pinata.cloud/ipfs/bafkreids7wwwwejutrq7kiwchbqrlget32urgzlysxwjb62snq32oyxyu>, which points to a decentralized storage service, while the image 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.

Field	Value	Description
mint	SHLvDzzEfb3Mpa3ydZmkoMmf51DErRTPA4UKxNSYH	The public key of the Mint Account it derives from
name	Sol Heaven Token	The on-chain name of the token
symbol	SOLH	The on-chain symbol of the token
uri	<a href="https://gateway.pinata.cloud/ipfs/bafkreids7wwwwejutrq7kiwchbqrlget32urgzlysxwjb62snqq32oyxyu">https://gateway.pinata.cloud/ipfs/bafkreids7wwwwejutrq7kiwchbqrlget32urgzlysxwjb62snqq32oyxyu</a>	The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard

## Findings Breakdown



● Critical	0
● Medium	0
● Minor / Informative	1

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

## STMA - Mint Authority

<b>Criticality</b>	Passed
<b>Status</b>	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.

## STFA - Freeze Authority

Criticality	Passed
Status	Resolved

### Description

The freeze authority of the token has been revoked, permanently disabling the ability to freeze and thaw accounts. This action signals a definitive stance on account management within the token's ecosystem, emphasizing the permanence of account statuses. Removing the possibility of altering account states, establishes a more secure environment for token holders, reinforcing the network's commitment to stability and reliability. This decision reflects adherence to best security practices, aiming to solidify investor confidence and enhance the token's value by ensuring consistent operational integrity.



## ST2TMM - Token Modifiable Metadata

Criticality	Minor / Informative
Status	Unresolved

### Description

The token program is currently susceptible to risks associated with mutable metadata due to non-renounced authorities within the metadata extensions. This setup permits unauthorized or unintended modifications to the token's metadata, potentially leading to inconsistencies and misinformation that could affect the token's integrity and reliability within the ecosystem.

The use of the `metadataPointer` extension with an active authority that has not been renounced, allows changes to the metadata's designated pointing location.

The activation of the `tokenMetadata` extension where the `updateAuthority` remains non-revoked, enabling updates to the content of the token's metadata.

Those conditions can facilitate unwanted alterations that compromise the token's consistent representation and trustworthiness.

### Recommendation

To mitigate these risks and ensure the stability and integrity of the token's metadata, it is advisable to secure the metadata by revoking the relevant authorities.

For the `metadataPointer` extension, revoke the `authority` of the `metadataPointer` to permanently lock the metadata's location and eliminate the possibility of redirection.

For the `tokenMetadata` extension, revoke the `updateAuthority` to prevent any further modifications to the metadata content.

By taking those steps, the token program can safeguard against unauthorized changes, maintaining a reliable and consistent metadata structure that enhances user trust and token utility.

## Summary

The Sol Heaven 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.

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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>