



Cyberscope

Audit Report

SLOKI

March 2024

Network SOL

Type SPL-Token

Address HdEXMFxg4vLTQzzPAE6HDwAR3EjN2CewoyJuXbc6iQXu

Audited by © cyberscope

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

Diagnostics

● Critical ● Medium ● Minor / Informative

Severity	Code	Description	Status
●	UA	Update Authority	Unresolved

Table of Contents

Analysis	1
Diagnostics	2
Table of Contents	3
Review	4
Audit Updates	5
Source Files	5
Overview	6
Transactions	7
Holders	8
Metadata	8
MetaplexMetadata	9
Metadata description	11
Findings Breakdown	13
UA - Update Authority	14
Description	14
Recommendation	14
Summary	15
Disclaimer	16
About Cyberscope	17

Review

Network	SOL
Explorer	https://solscan.io/token/HdEXMFxg4vLTQzzPAE6HDwAR3EjN2CewoyJuXbc6iQXu
Fixed Supply	100,000,000
Website	https://sloki.io/
Social Channels	https://twitter.com/SLOKISolana , https://t.me/SLOKI_Solana
Token name	SLOKI (SLOKI)
Token address	HdEXMFxg4vLTQzzPAE6HDwAR3EjN2CewoyJuXbc6iQXu
Owner Program	Token Program
Update Authority	Dxnn5jPL27Tiwbqq86N3LUEQGSBPMWEzghoqced29Q99
Decimals	9
Signature	4JUWLkrQkY8EiJhF3S6Kq9cjwyF1BNeLNsdE23dXbyEGD9HyH5ebKso6JsAV3eoDQDm5MaF2tZ9QbUAN1ueht2Q
Block	# 256947894
Deploy Time	March 28, 2024 11:17:17 +UTC
By	Dxnn5jPL27Tiwbqq86N3LUEQGSBPMWEzghoqced29Q99
MintTokens Authority	Revoked
FreezeAccount Authority	None
Metadata File Type	JSON
Name	SLOKI

Symbol	SLOKI
Image	https://photos.pinksale.finance/file/pinksale-logo-upload/1711624575008-352df38b878f317f6536bb8a126bb9fc.png
Total Transfers (At the time of the report)	0
Total Transactions (At the time of the report)	1
Total Holders (At the time of the report)	1

Audit Updates

Initial Audit	28 Mar 2024
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Source Files

Filename	JSON
Metadata/JSON	https://solscan.io/token/HdEXMFxg4vLTQzzPAE6HDwAR3EjN2CewoyJuXbc6iQXu#metadata

Overview

The **SLOKI** token symbolized as **SLOKI**, is a distinguished SPL (Solana Program Library) token initialized using the **TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA** Token Program on the Solana blockchain. The **SLOKI** token has a fixed supply of **100,000,000** 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://nftstorage.link/ipfs/bafkreigac2fmjujnndsism4olpxpohbgrul6gh5nhcwXu4cisvumq65s2ee>, which points to a decentralized storage service while the <https://photos.pinksale.finance/file/pinksale-logo-upload/1711624575008-352df38b878f317f6536bb8a126bb9fc.png> image is used for visual identification of the token across various platforms and marketplaces. Overall, the **SLOKI** token is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.

Transactions

At the time of this report, the transactions of "SLOKI " token are as follows:

Signature	Block	Time (UTC)	Instructions	By	Fee (SOL)
4JUWLkrQkY8E iJhF3S6Kq9cjw yF1B...	#256947894	03-28-2024 11:17:17	Compute-Budget-Set -Compute-Unit-Limit (8+)	Dxnn5j... d29Q99	0.00281

Holders

At the time of this report, the holders of "SLOKI" token are as follows:

#	Token Account	Quantity	Percentage
1	8uvMbP...i2q5ZB	100,000,000	100.0000%

Metadata

MetaplexMetadata

The Metaplex Metadata provides details of the characteristics of the `SLOKI` token which uses the `SLOKI` 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

`Dxnn5jPL27Tiwbqq86N3LUEQGSBPMWEzghoqced29Q99` authorized to modify the metadata.

The mint attribute specifies the account

`HdEXMFxg4vLTQzzPAE6HDwAR3EjN2CewoyJuXbc6iQXu` authorized for the initial token mint.

```
{
  "key": 4,
  "updateAuthority": "Dxnn5jPL27Tiwbqq86N3LUEQGSBPMWEzghoqced29Q99",
  "mint": "HdEXMFxg4vLTQzzPAE6HDwAR3EjN2CewoyJuXbc6iQXu",
  "data": {
    "name": "SLOKI",
    "symbol": "SLOKI",
    "uri":
      "https://nftstorage.link/ipfs/bafkreigac2fmjujnndsjm4olpxpohbgrul6gh5nhcwux4ci
      svumq65s2ee",
    "sellerFeeBasisPoints": 0,
    "creators": [
      {
        "address": "Dxnn5jPL27Tiwbqq86N3LUEQGSBPMWEzghoqced29Q99",
        "verified": 1,
        "share": 100
      }
    ]
  },
  "primarySaleHappened": 0,
  "isMutable": 1,
  "editionNonce": 255,
  "tokenStandard": 2,
  "name": "SLOKI",
  "symbol": "SLOKI",
  "description": "AAARRRRR 💣 $SLOKI has just arrived on SOLANA island. 🇵🇪",
  "image":
    "https://photos.pinksale.finance/file/pinksale-logo-upload/1711624575008-352df
    38b878f317f6536bb8a126bb9fc.png",
  "creator": {
    "name": "PinkSale",
    "site": "https://pinksale.finance"
  },
  "extensions": {
    "telegram": "https://t.me/SLOKI_Solana",
    "twitter": "https://twitter.com/SLOKISolana",
    "website": "https://sloki.io/"
  }
}
```

Metadata description

The data section within the metadata discloses the asset's name as `SLOKI`, its trading symbol as `SLOKI`, and the URI pointing to "<https://photos.pinksale.finance/file/pinksale-logo-upload/1711624575008-352df38b878f317f6536bb8a126bb9fc.png>". 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 not yet undergone its primary sale (`primarySaleHappened` : 0) and is marked as mutable (`isMutable` : 1), 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 `SLOKI` 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	Dxnn5jPL27Tiwbqq86N3LUEQGSBPMWEzghoqced29Q99	The public key that is allowed to update this account
mint	HdEXMFxg4vLTQzzPAE6HDwAR3EjN2CewoyJuXbc6iQXu	The public key of the Mint Account it derives from
name	SLOKI	The on-chain name of the token
symbol	SLOKI	The on-chain symbol of the token
uri	https://nftstorage.link/ipfs/bafkreigac2fmjujnndsjm4olpxpohbgrul6gh5nhcwXu4cisvumq65s2ee	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
creators	address, verified, share	Information about the creator of the asset
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	1	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
description	AAARRRRR 🌟 \$SLOKI has just arrived on SOLANA island. 🐼	The description of the asset
image	https://photos.pinksale.finance/file/pinksale-logo-upload/1711624575008-352df38b878f317f6536bb8a126bb9fc.png	URL pointing to the asset's logo
creator	name, site	Creator of the asset
extensions	telegram, twitter, website	Extensions of the asset

Findings Breakdown



● Critical	0
● Medium	1
● Minor / Informative	0

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

UA - Update Authority

Criticality	Medium
Status	Unresolved

Description

The contract is set up in a way that grants the update authority, with the address `Dxnn5jPL27Tiwbqq86N3LUEQGSBPMWEzghoqced29Q99`, continued access to alter key metadata fields. This situation leaves the token exposed to potential hazards, as this address has the power to adjust critical attributes such as the token's name, symbol, and image. Without revoking these privileges from the update authority, there's a risk of unauthorized or harmful changes that could undermine the token's integrity and its intended use.

Recommendation

It is recommended to revoke the update authority privileges. This action would ensure a consistent security posture across the contract's operational aspects, eliminating the discrepancy that currently allows for undue modification privileges. Implementing this recommendation would align the contract's security measures, providing a more robust defense against unauthorized changes and enhancing the overall security of the contract's operational environment.

How to revoke the Update Authority:

<https://www.quicknode.com/guides/solana-development/anchor/how-to-make-immutable-solana-programs#remove-the-update-authority-of-a-solana-program>

Summary

The SLOKI 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/4JUWLkrQkY8EiJhF3S6Kq9cjwyF1BNeLNsdE23dXbyEGD9HyrH5ebKso6JsAV3eoDQDm5MaF2tZ9QbUAn1ueht2Q>

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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>