



Cyberscope

Audit Report

SolBase AI

March 2024

Network SOL

Type SPL-Token

Address 7jApS91bnwiQtrZs62bSpJSjszK5C6GWV8VUowgk8mD3

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
Transfers	7
Transactions	8
Holders	9
Metadata	9
MetaplexMetadata	10
Metadata description	12
Findings Breakdown	15
UA - Update Authority	16
Description	16
Recommendation	16
Summary	17
Disclaimer	18
About Cyberscope	19

Review

Network	SOL
Explorer	https://solscan.io/token/7jApS91bnwiQtrZs62bSpJSjszK5C6GWV8VUowgk8mD3
Fixed Supply	1,000,000,000
Website	www.solbaseai.com
Social Channels	https://twitter.com/SolBase_AI , https://t.me/solbaseai
Token name	Solbase AI (SOLBASE)
Token address	7jApS91bnwiQtrZs62bSpJSjszK5C6GWV8VUowgk8mD3
Owner Program	Token Program
Update Authority	8MJ76Zdn9jHouTuFpFiwGGQSP5LwcgXTTwunyd1zN8Dx
Decimals	6
Signature	4HrmjoxCxUJfesWhRD9ERXkrxZdTshQXNEo3kuiW9cHjhuGKBqzkgY9yg1YHtAXWvCRLMjcoa15eHpDuHC532JYK
Block	#256370528
Deploy Time	March 25, 2024 14:52:18 +UTC
By	8MJ76Zdn9jHouTuFpFiwGGQSP5LwcgXTTwunyd1zN8Dx
MintTokens Authority	Revoked
FreezeAccount Authority	Revoked
Metadata File Type	JSON
Name	Solbase AI

Symbol	SOLBASE
Image	https://bafybeicy7hle6s3u3pi5iulrsnu2eaa4deddmsu45rvvy7y7q5dddomdza.ipfs.nftstorage.link
Total Transfers (At the time of the report)	1
Total Transactions (At the time of the report)	4
Total Holders (At the time of the report)	1

Audit Updates

Initial Audit	29 Mar 2024
----------------------	-------------

Source Files

Filename	JSON
Metadata/JSON	https://solscan.io/token/7jApS91bnwiQtrZs62bSpJSjszK5C6GWV8VUowgk8mD3#metadata

Overview

The Solbase AI token symbolized as SOLBASE, is a distinguished SPL (Solana Program Library) token initialized using the TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA Token Program on the Solana blockchain. The Solbase AI token has a fixed supply of 1,000,000,000 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://bafkreidrzc2cfwgy3zxuakui6ejry6k5gqw7go6kcfv6xrhqxhefq7xi.ipfs.nftstorage.link>, which points to a decentralized storage service while the <https://bafybeicy7hle6s3u3pi5iulrsnu2eaa4deddmsu45rvvy7y7q5dddomdza.ipfs.nftstorage.link> image is used for visual identification of the token across various platforms and marketplaces. Overall, the Solbase AI token is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.

Transfers

At the time of this report, the transfers of "Solbase AI" token are as follows:

Signature	Time (UTC)	Type	From	To	Amount
5176zeV6UXS86PRa62...	03-25-2024 16:04:16	Spl-Transfer	8MJ76Z...1zN8Dx	D28qYR...7ACAHE	1,000,000,000

Transactions

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

Signature	Block	Time (UTC)	Instructions	By	Fee (SOL)
5176zeV6UXS86PRa6291E8LqM36u...	#256380657	03-25-2024 16:04:16	Compute-Budget-Set -Compute-Unit-Price 4+	8MJ76Z...1zN8Dx	0.000025
f4bn7PUGCouzq14XUH4G1ZTzam5...	#256371602	03-25-2024 14:59:50	Compute-Budget-Set -Compute-Unit-Limit 2+	8MJ76Z...1zN8Dx	0.000105
4GjVDexTxGKeq422LDrHtXkV6AKfE...	#256371567	03-25-2024 14:59:36	Compute-Budget-Set -Compute-Unit-Limit 2+	8MJ76Z...1zN8Dx	0.000105
4HrmjoxCxUJfesWhRD9ERXkrxZdTs...	#256370528	03-25-2024 14:52:18	Compute-Budget-Set -Compute-Unit-Limit 6+	8MJ76Z...1zN8Dx	0.00011

Holders

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

#	Token Account	Quantity	Percentage
1	EZmPPfKf...LtK3KE	1,000,000,000	100.0000%

Metadata

MetaplexMetadata

The Metaplex Metadata provides details of the characteristics of the `Solbase AI` token which uses the `SOLBASE` 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

`8MJ76Zdn9jHouTuFpFiwGGQSP5LwcgXTTwunyd1zN8Dx` authorized to modify the metadata.

The mint attribute specifies the account

`7jApS91bnwiQtrZs62bSpJSjszK5C6GWV8VUowgk8mD3` authorized for the initial token mint.

```
{
  "key": 4,
  "updateAuthority": "8MJ76Zdn9jHouTuFpFiwGGQSP5LwcgXTTwunyd1zN8Dx",
  "mint": "7jApS91bnwiQtrZs62bSpJSjszK5C6GWV8VUowgk8mD3",
  "data": {
    "name": "Solbase AI",
    "symbol": "SOLBASE",
    "uri":
      "https://bafkreidrzc52cfwgy3z xuakui6ejry6k5gqw7go6kcfv6xrhqxhefq7xi.ipfs.nfts
      torage.link",
    "sellerFeeBasisPoints": 0
  },
  "primarySaleHappened": 1,
  "isMutable": 1,
  "editionNonce": 255,
  "tokenStandard": 2,
  "name": "Solbase AI",
  "symbol": "SOLBASE",
  "image":
    "https://bafybeicy7hle6s3u3pi5iulrsnu2eaa4deddmsu45rvvy7y7q5dddomdza.ipfs.nfts
    torage.link",
  "description": "SolBase-AI is a meme inspired investment platform that
    offers multiple services enabling users to maximise profits on their
    investment. Services including trading tokens, investment pools, trading bots
    rental and NFTs revenue.",
  "extensions": {
    "website": "www.solbaseai.com",
    "twitter": "https://twitter.com/SolBase_AI",
    "telegram": "https://t.me/solbaseai"
  },
  "tags": [
    "NFT"
  ],
  "creator": {
    "name": "DEXLAB MINTING LAB",
    "site": "https://www.dexlab.space"
  }
}
```

Metadata description

The data section within the metadata discloses the asset's name as `Solbase AI`, its trading symbol as `SOLBASE`, and the URI pointing to "<https://bafkreidrzc2cfwg3z3xua6k5gq7go6kcfv6xrhqxfqn7xi.ipfs.nftstorage.link>". 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 `Solbase AI` 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	8MJ76Zdn9jHouTuFpFiwGGQSP5LwgcXTTwunyd1zN8Dx	The public key that is allowed to update this account
mint	7jApS91bnwiQtrZs62bSpJSjszK5C6GWV8VUowgk8mD3	The public key of the Mint Account it derives from
name	Solbase AI	The on-chain name of the token
symbol	SOLBASE	The on-chain symbol of the token
uri	https://bafkreidrzc2cfwg3z3xua6k5gq7go6kcfv6xrhqxfqn7xi.ipfs.nftstorage.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	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
image	https://bafybeicy7hle6s3u3pi5iulrsnu2eaa4deddmsu45rvvy7y7q5dddomdza.ipfs.nftstorage.link	URL pointing to the asset's logo
description	SolBase-AI is a meme inspired investment platform that offers multiple services enabling users to maximise profits on their investment. Services including trading tokens, investment pools, trading bots rental and NFTs revenue.	The description of the asset
extensions	telegram, twitter, website	Extensions of the asset
tags	NFT	Tags of the asset

creator	name, site	Creator 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 `8MJ76Zdn9jHouTuFpFiwGGQSP5LwcgXTTwunyd1zN8Dx`, 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 SolBase AI 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/f4bn7PUGCouzq14XUH4G1ZTzam5Xqqwhy7vr5nuvJxWtaG8iL9eUuev82hUNU4rVtwVLg7eBkHmfJS5phm6nZ67>

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

<https://solscan.io/tx/4GjVDexTxGKeg422LDrHtXkV6AKfE87JEB8nJKmUFGkBZG1nWaWYeyK9WEqP1WAhhovMveX7eHGSw71smacgqS2v>

Disclaimer

The information provided in this report does not constitute investment, financial or trading advice and you should not treat any of the document's content as such. This report may not be transmitted, disclosed, referred to or relied upon by any person for any purposes nor may copies be delivered to any other person other than the Company without Cyberscope's prior written consent. This report is not nor should be considered an "endorsement" or "disapproval" of any particular project or team. This report is not nor should be regarded as an indication of the economics or value of any "product" or "asset" created by any team or project that contracts Cyberscope to perform a security assessment. This document does not provide any warranty or guarantee regarding the absolute bug-free nature of the technology analyzed, nor do they provide any indication of the technologies proprietors' business, business model or legal compliance. This report should not be used in any way to make decisions around investment or involvement with any particular project. This report represents an extensive assessment process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

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>