Cyberscope

Audit Report

BLORB

March 2024

Network	SOL
Type	SPL-Token
Address	8w4D2cYgBBbcsz3JYQUbZnpTEpNaGsHQvu7NXbPhNxjF
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

Review

Network	SOL
Explorer	https://solscan.io/token/8w4D2cYgBBbcsz3JYQUbZnpTEpNaGsHQvu7NXbPhNxjF
Fixed Supply	100,000,000.00
Website	https://blorbcoin.io/
Social Channels	https://t.me/BLORBCoin, https://twitter.com/BLORBCoin
Token name	BLORB (BLORB)
Token address	8w4D2cYgBBbcsz3JYQUbZnpTEpNaGsHQvu7NXbPhNxjF
Owner Program	Token Program
Update Authority	CyGek7PsffFtw7opFfvdEsg7Lx2Yto2SUonadxL1UzDQ
Decimals	9
Signature	4bgn5NagYKgdENvxMwW5zNRTk4d6xcBbL6Joje2bu4SyfctqTvG8KF6NNFfM6GbmPgtEKKX1UFoyAWYtG7kHrKc7
Block	#256627308
Deploy Time	March 26, 2024 21:12:52 +UTC
By	CyGek7PsffFtw7opFfvdEsg7Lx2Yto2SUonadxL1UzDQ
MintTokens Authority	Revoked
FreezeAccount Authority	System Program
Metadata File Type	JSON
Name	BLORB

Symbol	BLORB
Image	https://photos.pinksale.finance/file/pinksale-logo-upload/1711487357380-e470b65c401dbd49bd5f94b8d1fb04ad.png
Total Transfers (At the time of the report)	0
Total Transactions (At the time of the report)	2
Total Holders (At the time of the report)	1

Audit Updates

Initial Audit	26 Mar 2024

Source Files

Filename	JSON
Metadata/JSON	https://solscan.io/token/8w4D2cYgBBbcsz3JYQUbZnpTEpNaGsHQvu7NXbPhNxjF#metadata

Overview

The `BLORB` token symbolized as `BLORB`, is a distinguished SPL (Solana Program Library) token initialized using the `TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA` Token Program on the Solana blockchain. The `BLORB` token has a fixed supply of `100,000,000.00` 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/bafkreicqbvpjkpdkebcjidpic5d3j4hu4vqji2uw6uh7bcwjybcg25ycuy, which points to a decentralized storage service while the https://photos.pinksale.finance/file/pinksale-logo-upload/1711487357380-e470b65c401dbd49bd5f94b8d1fb04ad.png image is used for visual identification of the token across various platforms and marketplaces. Overall, the `BLORB` 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 `BLORB ` token are as follows:

Signature	Block	Time (UTC)	Instructions	By	Fee (SOL)
2c9D6kdRLGqN yT5KQBUdaTW Fnk2...	#256631531	03-26-2024 21:42:46	Compute-Budget- Set-Compute-Unit -Price, Mint-V1, Mint-V1, Mint-V1, Mint-V1	7zaQPy...i DK63Q	0.000021
4bgn5NagYKgd ENvxMwW5zN RTk4d...	#256627308	03-26-2024 21:12:52	Compute-Budget- Set-Compute-Unit -Limit, Compute-Budget- Set-Compute-Unit -Price, CreateAccount, InitializeMint, CreateAssociated Account, MintTo, Create, SetAuthority, Sol-Transfer	CyGek7... L1UzDQ	0.00281

Holders

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

#	Token Account	Quantity	Percentage
1	FbCQHd...K9TXoZ	100,000,000	100.0000%

Metadata

MetaplexMetadata

The Metaplex Metadata provides details of the characteristics of the `BLORB` token which uses the `BLORB` 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 `CyGek7PsffFtw7opFfvdEsg7Lx2Yto2SUonadxL1UzDQ` authorized to modify the metadata. The mint attribute specifies the account `8w4D2cYgBBbcsz3JYQUbZnpTEpNaGsHQvu7NXbPhNxjF` authorized for the initial token mint.

```
{
  "key": 4,
  "updateAuthority": "CyGek7PsffFtw7opFfvdEsg7Lx2Yto2SUonadxL1UzDQ",
  "mint": "8w4D2cYgBBbcsz3JYQUbZnpTEpNaGsHQvu7NXbPhNxjF",
  "data": {
    "name": "BLORB",
    "symbol": "BLORB",
    "uri":
"https://nftstorage.link/ipfs/bafkreicqbvpjkpdkebcjidpic5d3j4hu4vqji2uw6uh7bcw
jybcg25ycuy",
    "sellerFeeBasisPoints": 0,
    "creators": [
      {
        "address": "CyGek7PsffFtw7opFfvdEsg7Lx2Yto2SUonadxL1UzDQ",
        "verified": 1,
        "share": 100
      }
    ]
  },
  "primarySaleHappened": 0,
  "isMutable": 1,
  "editionNonce": 252,
  "tokenStandard": 2,
  "name": "BLORB",
  "symbol": "BLORB",
  "description": "BLORB BLORB $BLORB insane doc 0,5 mg Solana",
  "image":
"https://photos.pinksale.finance/file/pinksale-logo-upload/1711487357380-e470b
65c401dbd49bd5f94b8d1fb04ad.png",
  "creator": {
    "name": "PinkSale",
    "site": "https://pinksale.finance"
  },
  "extensions": {
    "telegram": "https://t.me/BLORBCoin",
    "twitter": "https://twitter.com/BLORBCoin",
    "website": "https://blorbcoin.io/"
  }
}
```

Metadata description

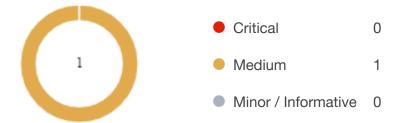The data section within the metadata discloses the asset's name as `BLORB` , its trading symbol as `BLORB` , and the URI pointing to "https://nftstorage.link/ipfs/bafkreicqbvpjkpdkebcjidpic5d3j4hu4vqji2uw6uh7bcwjybcg25ycuy". Notably, the asset imposes a seller fee of 0 basis points, indicating no transaction 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 252 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 `BLORB` 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	CyGek7PsffFtw7opFfvdEsg7Lx2Yto2SUonadxL1UzDQ	The public key that is allowed to update this account
mint	8w4D2cYgBBbcsz3JYQUbZnpTEpNaGsHQvu7NXbPhNxjF	The public key of the Mint Account it derives from
name	BLORB	The on-chain name of the token
symbol	BLORB	The on-chain symbol of the token
uri	https://nftstorage.link/ipfs/bafkreicqbvpjkpdkebcjidpic5d3j4hu4vqji2uw6uh7bcwjybcg25ycuy	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	252	Unique identifier for this edition
tokenStandard	2	The standard of the token
description	BLORB BLORB $BLORB insane doc 0,5 mg Solana	The description of the asset
image	https://photos.pinksale.finance/file/pinksale-logo-upload/1711487357380-e470b65c401dbd49bd5f94b8d1fb04ad.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 `CyGek7PsffFtw7opFfvdEsg7Lx2Yto2SUonadxL1UzDQ`, 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-immutible-solana-programs#remove-the-update-authority-of-a-solana-program

Summary

The BLORB 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/4bgn5NagYKgdENvxMwW5zNRTk4d6xcBbL6Joje2bu4SyfctqTvG8KF6NNFfM6GbmPgtEKKX1UFoyAWYtG7kHrKc7

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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.

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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

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