



Cyberscope

Audit Report

Father Of MeMe

March 2024

Network SOL

Type SPL-Token

Address 68G1C1fD8LtbnejfYxFNHhgZj2xUWbGT25RvzN61kqei

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Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Unresolved
●	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

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Review

Network	SOL
Explorer	https://solscan.io/token/68G1C1fD8LtbnejfYxFNHhgZj2xUWbGT25RvzN61kqei
Fixed Supply	1,000,000,000
Token name	FatherOfMeme (FOME)
Token address	68G1C1fD8LtbnejfYxFNHhgZj2xUWbGT25RvzN61kqei
Owner Program	Token Program
Decimals	9
Signature	4fFjzEgy2WhEai5137YEZT1d8AX87Lqc85cgfn6RLQynmR6BZKCthWpc8MNdokK89VMdsgtuYARakcCbE4FNCsLWi
Block	# 255911771
Deploy Time	March 23, 2024 09:55:25 Eastern European Standard Time
Instructions	Compute-Budget-Set-Compute-Unit-Price,Compute-Budget-Set-Compute-Unit-Limit,Unknown,CreateAccount,InitializeMint,Create,CreateAssociatedAccount,MintTo
By	BhBMSLAP6gng3Ht8Eb2N3CodRvosR5CSLQ9BSjGXR4n5
MintTokens Authority	Revoked
FreezeAccount Authority	Revoked
Metadata File Type	JSON
Name	FatherOfMeme
Symbol	FOME

Image	https://bafkreibpavsyn6f6seoyxgpaedkddbipsapzcvu3ey3beucr-zucf4kmlyi.ipfs.nftstorage.link
Total Transfers (At the time of the report)	0
Total Transactions (At the time of the report)	3
Total Holders (At the time of the report)	1
Badge Eligibility	Yes

Audit Updates

Initial Audit	24 Mar 2024
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Source Files

Filename	JSON
Metadata/JSON	https://solscan.io/token/68G1C1fD8LtbnejfYxFNHhgZi2xUWbGT25RvzN61kgei#metadata

Overview

The `FatherOfMeme` token symbolized as `FOME`, is a distinguished SPL (Solana Program Library) token initialized using the

`TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA` Token Program on the Solana blockchain. The `FatherOfMeme` 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://bafkreiflurirabguhlm7u3wvjoxxowqu32i5643rsm7zn22bgh3op4ceju.ipfs.nftstorage.link>, which points to a decentralized storage service while the ["https://bafkreibpavsyn6f6seoyxgpaedkddbipsapzcvu3ey3beucrzucf4kmlyi.ipfs.nftstorage.link"](https://bafkreibpavsyn6f6seoyxgpaedkddbipsapzcvu3ey3beucrzucf4kmlyi.ipfs.nftstorage.link) image is used for visual identification of the token across various platforms and marketplaces. Overall, the `FatherOfMeme` 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 the Father Of MeMe token are as follows:

Signature	Block	Time	Instructions	By	Fee (SOL)
5jLqZ1ke49HAiT1x ceoGXao3YEjHn66 m9PJVkrzhWXb4f A4Xz5itYYHdB6cY si1GifVfq6jEBUv8 zkoTXqz2rkq	#255912815	03-23-2024 08:02:54	Compute-Bud get-Set-Comp ute-Unit-Price 3+	BhBMSL... GXR4n5	0.000045
3piEDcoDkDyxhnU BpHe6tkxbMsf5HK KHhBudKmkurRLa bgD4SEUQZTFDH4 WPBBCKxGswy87 gpufBRRVjzFphqiki	#255912757	03-23-2024 08:02:29	Compute-Bud get-Set-Comp ute-Unit-Price 3+	BhBMSL... GXR4n5	0.000045
4fFjzEgy2WhEai51 37YEZT1d8AX87L gc85cgfn6RLQynm R6BZKCthWpc8M NdoK89VMdsgtuY ARakcCbE4FNCsL Wi	#255911771	03-23-2024 07:55:25	Compute-Bud get-Set-Comp ute-Unit-Price 7+	BhBMSL... GXR4n5	0.000358 538

Holders

At the time of this report, the distribution of Father Of MeMe token holders is as follows:

#	Token Account	Quantity	Percentage
1	AA1fBaqAwyLFuYmGm59J94N GRJbzQLFL3jyQH9iDdsab	1,000,000,000	100.0000%

Metadata

MetaplexMetadata

The Metaplex Metadata provides details of the characteristics of the `FatherOfMeme` token which uses the `FOME` 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 `updateAuthority` field is designated to the account capable of modifying this metadata, identified by the public key

`BhBMSLAP6gng3Ht8Eb2N3CodRvosR5CSLQ9BSjGXR4n5`. Furthermore, the mint attribute specifies the account

`68G1C1fD8LtbnejfYxFNHhgZj2xUWbGT25RvzN61kqei` authorized for the initial token mint.

```
{
  "key": 4,
  "updateAuthority": "BhBMSLAP6gng3Ht8Eb2N3CodRvosR5CSLQ9BSjGXR4n5",
  "mint": "68G1C1fD8LtbnejfYxFNHhgZj2xUWbGT25RvzN61kqei",
  "data": {
    "name": "FatherOfMeme",
    "symbol": "FOME",
    "uri":
      "https://bafkreiflurirabguhlm7u3wvjoxxowqu32i5643rsm7zn22bgh3op4ceju.ipfs
      .nftstorage.link",
    "sellerFeeBasisPoints": 0
  },
  "primarySaleHappened": 0,
  "isMutable": 1,
  "editionNonce": 253,
  "tokenStandard": 2,
  "name": "FatherOfMeme",
  "symbol": "FOME",
  "description": "FOME Token is a Decentralized finance innovation",
  "extensions": {
    "website": "https://fatherofmeme.com",
    "twitter": "https://twitter.com/FomeOfficials",
    "telegram": "https://t.me/FatherOfMeMe"
  },
  "creator": {
    "name": "Smithii Tools",
    "site": "https://tools.smithii.io/token-creator/solana"
  },
  "image":
    "https://bafkreibpavsyn6f6seoyxgpaedkddbipsapzcvu3ey3beucrzucf4kmlyi.ipfs
    .nftstorage.link"
}
```

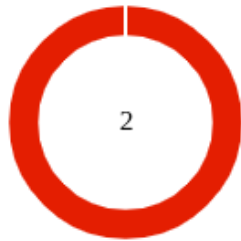
Metadata description

The data section within the metadata discloses the asset's name as `FatherOfMeme`, its trading symbol as `FOME`, and an image URI pointing to "<https://bafkreibpavsyn6f6seoyxgpaedkddbipsapzcvu3ey3beucrzucf4kmlyi.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 253 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 `FatherOfMeme` 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	BhBMSLAP6gng3Ht8Eb2N3CodRvosR5CSLQ9BSjGXR4n5	The public key that is allowed to update this account
mint	68G1C1fD8LtbnejfYxFNHgZj2xUWbGT25RvzN61kqei	The public key of the Mint Account it derives from
Name	FatherOfMeme	The on-chain name of the token
Symbol	FOME	The on-chain symbol of the token
Uri	https://bafkreiflurirabguhlm7u3wvjoxowqu32i5643rsm7zn22bgh3op4ceju.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	253	Unique identifier for this edition
tokenStandard	2	The standard of the token
description	FOME Token is a Decentralized finance innovation	Description of the asset
image	https://bafkreibpavsyn6f6seoyxgpaedkddbipsapzcvu3ey3beuczucf4kmlyi.ipfs.nftstorage.link	URI pointing to the asset's logo
website	https://fatherofmeme.com	The website of the asset
twitter	https://twitter.com/FomeOfficials	The twitter of the asset
telegram	https://t.me/FatherOfMeMe	The telegram of the asset

Findings Breakdown



● Critical	2
● Medium	0
● Minor / Informative	0

Severity	Unresolved	Acknowledged	Resolved	Other
● Critical	2	0	0	0
● Medium	0	0	0	0
● Minor / Informative	0	0	0	0

ELFM - Exceeds Fees Limit

Criticality	Critical
Location	FatherOfMeme
Status	Unresolved

Description

The current metadata configuration of the token has the `isMutable` field set to `1`, which allows for future changes to the metadata. This enables the update authority to modify the `setTaxFeePercent` field, thereby adjusting the fee structure as desired. Consequently, the update authority may take advantage of it by setting the `setTaxFeePercent` variable to a high percentage value.

Recommendation

It is recommended to revoke the update authority's privileges. This action will prevent any future modifications to the metadata, including updates on fees, thereby ensuring that the `setTaxFeePercent` variable cannot be set to a disproportionately high value. Revoking these privileges effectively disables the ability to change the fees. One method to accomplish this is by adhering to the instructions provided in the guide available at [Remove the Update Authority of a Solana Program](#)

UA - Update Authority

Criticality	Critical
Location	FatherOfMeme
Status	Unresolved

Description

The contract is set up in a way that grants the update authority, with the address `BhBMSLAP6gng3Ht8Eb2N3CodRvosR5CSLQ9BSjGXR4n5`, 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.

Summary

The Lampapuy token, built on the Solana network, implements a robust smart contract structure that was initialized using the Token program, with analysis revealing 2 critical issues.

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

<https://solscan.io/tx/3piEDcoDkDyxhnUBpHe6tkxbMsf5HKKHhBudKmkurRLabgD4SEUQZTFDH4WPBBCKxGswy87gpufBRRVjzFphqiki>.

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

<https://solscan.io/tx/5jLqZ1ke49HAAtT1xceoGXao3YEjHn66m9PJVkrzhWXb4fA4Xz5itYYHdB6cYsi1GifVfqB6jEBUv8zkoTXqz2rkq>

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The Cyberscope team

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