



Cyberscope

Audit Report

Elcato Token

March 2024

Network SOL

Type SPL-Token

Address Gw3pL68wZmE4JMjyR4FcnXkkYonfyfunEAwHNix3FbEn

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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	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

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Review

Network	SOL
Explorer	https://solscan.io/token/Gw3pL68wZmE4JMjyR4FcnXkkYonfyfunEAwHNix3FbEn
Current Supply	1,000,000,000
Token name	Elcato (ELCATO)
Token address	Gw3pL68wZmE4JMjyR4FcnXkkYonfyfunEAwHNix3FbEn
Owner Program	Token Program
Authority	6A5or2sJMx94CDpEYtagzNcVruWwdkEgFQimqNCxNsRd
Decimals	9
Signature	https://solscan.io/tx/4xrZW5gTuzK6h1pofeym6vYB6eJLcA7NTp5MvF37fBfiSRx7mPRZkxFTUL7sukYZv2LzYmWrEVAaJpvEtv4QPPBq
Block	#257378808
Deploy Time	March 30, 2024 18:17:42 Eastern European Standard Time
Instructions	Compute-Budget-Set-Compute-Unit-Price, Compute-Budget-Set-Compute-Unit-Limit, Create, Mint, SOL Transfer
By	6A5or2sJMx94CDpEYtagzNcVruWwdkEgFQimqNCxNsRd
Metadata File Type	JSON
Name	Elcato
Symbol	ELCATO

Image	https://bafkreid3g3jezt4xdmz3k5w4g45fdcvnp3cqkwhougtyrr65it6pltntgq.ipfs.nftstorage.link
Total Transfers (At the time of the report)	1
Total Transactions (At the time of the report)	5
Total Holders (At the time of the report)	2

Audit Updates

Initial Audit	31 Mar 2024
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Source Files

Filename	JSON
Metadata/JSON	https://solscan.io/token/Gw3pL68wZmE4JMjyR4FcnXkkYonfyfuNEAwHNix3FbEn#metadata

Overview

The `Elcato` token, represented by the symbol `ELCATO`, is a notable SPL (Solana Program Library) token created under the `TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA` Token Program on the Solana blockchain. The minting authority for the Elcato token has been renounced.

The Elcato token boasts a unique identifier mint of `Gw3pL68wZmE4JMjyR4FcnXkkYonfyfunEAwHNix3FbEn` and has updated its visual representation with the image URL: <https://bafkreid3g3jezt4xdmz3k5w4g45fdcvnp3cqkwhougtyrr65it6pltntgq.ipfs.nftstorage.link>. This image serves as the token's visual identity across various platforms and marketplaces, enhancing its recognition within the ecosystem. Overall, the `Elcato` 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 `Elcato` token are as follows:

Signature	Time	Type	From	To	Amount
2EJ1VnquD Hvto9ipqgr	03-30-2024 20:12:10	Spl-Transfer	6A5or2...Cx NsRd	BeWadc...YB 3Cek	621,000,000

Transactions

At the time of this report, the transactions of `Elcato` token are as follows:

Signature	Block	Time	Instructions	By	Fee (SOL)
2EJ1VnquDH vto9ipqgrxq9	#257409497	03-30-2024 20:12:10	Compute-Bud get-Set-Comp ute-Unit-Price (2+)	6A5or2...Cx NsRd	0.000035
5Snc3kPV86j 2ZAQHuvGEd	#257381886	03-30-2024 16:40:43	Compute-Bud get-Set-Comp ute-Unit-Price (4+)	7zaQPy...iD K63Q	0.000021
5EriVFG5prqD MB1cUBSgo	#257379303	03-30-2024 16:21:20	Compute-Bud get-Set-Comp ute-Unit-Price (2+)	6A5or2...Cx NsRd	0.000025
3fd4AoKVBG GhZYQpoki8v	#257379175	03-30-2024 16:20:25	Compute-Bud get-Set-Comp ute-Unit-Price (2+)	6A5or2...Cx NsRd	0.000025
4xrZW5gTuzK 6h1pofeym6v	#257378808	03-30-2024 16:17:42	Compute-Bud get-Set-Comp ute-Unit-Price (4+)	6A5or2...Cx NsRd	0.00007

Holders

At the time of this report, the holders of `Elcato` token are as follows:

#	Token Account	Quantity	Percentage
1	4SDA2b...RcKXx5	621,000,000	62.1000%
2	4UDg1o...bgk6TW	379,000,000	37.9000%

Metadata

MetaplexMetadata

The Metaplex Metadata for the `Elcato` token, symbolized as `ELCATO`, enriches the Solana blockchain with a unique digital asset, meticulously designed for integration with the Metaplex protocol. This metadata is pivotal for the asset's functionality within the ecosystem, detailing essential attributes that facilitate its recognition and utility. The **updateAuthority** for Elcato is vested in the account with the public key `6A5or2sJMx94CDpEYtagzNcVruWwdkEgFQimqNCxNsRd`, empowering it with the authority to change the metadata as necessary. The mint attribute specifies the account `Gw3pL68wZmE4JMjyR4FcnXkkYonfyfunEAwHNix3FbEn` authorized for the initial token mint.

```
{
  "key": 4,
  "updateAuthority": "6A5or2sJMx94CDpEYtagzNcVruWwdkEgFQimqNCxNsRd",
  "mint": "Gw3pL68wZmE4JMjyR4FcnXkkYonfyfunEAwHNix3FbEn",
  "data": {
    "name": "Elcato",
    "symbol": "ELCATO",
    "uri":
      "https://bafkreid3g3jezt4xdmz3k5w4g45fdcwnp3cqkwhougtyrr65it6plnttgq.ipfs.nftstorage.
      link",
    "sellerFeeBasisPoints": 0,
    "creators": [
      {
        "address": "6A5or2sJMx94CDpEYtagzNcVruWwdkEgFQimqNCxNsRd",
        "verified": 1,
        "share": 100
      }
    ]
  },
  "primarySaleHappened": 0,
  "isMutable": 1,
  "editionNonce": 255,
  "tokenStandard": 2,
  "name": "Elcato",
  "symbol": "ELCATO",
  "description": "\"El Cato\" brings a whole new level of feline swagger to the meme
  world, channeling the spirit of Pablo Escobar with his whisker-twisting antics and
  paw-some attitude. \n\nFrom lounging in catnip-filled mansions to plotting purr-fect
  heists, this kitty kingpin is ready to take the internet by storm. Get ready to
  laugh, share, and meme your way into the catnip kingdom with \"El Cato\"! 🐾🐱",
  "image":
    "https://bafkreiepjjiifygnd4tfnkvdmntems67a5pn7vs5wmdwontuc6vgfkdh3nm.ipfs.nftstorage.
    link",
  "extensions": {
    "website": "https://elcato.vip/",
    "twitter": "https://twitter.com/ElCatoSOL",
    "telegram": "https://t.me/ElCato_Portal"
  }
}
```

Metadata Description

The “data” section within the metadata discloses the asset's name as `Elcato`, its trading symbol as `ELCATO`, and a URI pointing to <https://bafkreid3g3jezt4xdmz3k5w4g45fdcvnp3cqkwhougtyrr65it6pltntgq.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 `Elcato`'s key features and its operational framework within the Metaplex ecosystem on Solana.

Within the data segment of the Elcato token's metadata, key characteristics such as the asset's name `Elcato`, its symbol `ELCATO`, and a URI linking to its visual representation are disclosed. This URI, <https://bafkreid3g3jezt4xdmz3k5w4g45fdcvnp3cqkwhougtyrr65it6pltntgq.ipfs.nftstorage.link>, serves as a gateway to the asset's digital identity, enhancing its visibility and accessibility. The asset enforces a zero seller fee basis points policy, indicating an absence of transaction fees for trades. The metadata further reveals that the primary sale of the asset has not occurred (`primarySaleHappened: 0`), and its mutable status (`isMutable: 1`) allows for future modifications. An `editionNonce` of 255 signifies its unique edition, and adherence to the (`tokenStandard: 2`) ensures its compliance and interoperability within the Solana ecosystem. This comprehensive metadata encapsulates the Elcato token's foundational aspects, providing a clear and detailed overview of its operational parameters and its place within the broader Metaplex and Solana frameworks.

Field	Value	Description
key	4	Account discriminator that identifies the type of metadata account
updateAuthority	6A5or2sJMx94CDpEYtagzNcVruWwdkEgFQimqNCxNsRd	The public key that is allowed to update this account
mint	Gw3pL68wZmE4JMjyR4FcnXkkYonfyfunEAwHNix3FbEn	The public key of the Mint Account it derives from
name	Elcato	The on-chain name of the token
symbol	ELCATO	The on-chain symbol of the token

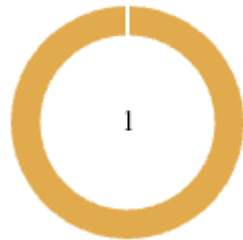
uri	https://bafkreid3g3jezt4xdmz3k5w4g45fdcvnp3cqkwhougtyrr65it6pltntgq.ipfs.nftstorage.link	The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard
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sellerFeeBasisPoints	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
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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://bafkreid3g3jezt4xdmz3k5w4g45fdcvnp3cqkwhougtyrr65it6pltntgq.ipfs.nftstorage.link	URL pointing to the asset's logo

description	El Cato” brings a whole new level of feline swagger to the meme world, channeling the spirit of Pablo Escobar with his whisker-twisting antics and paw-some attitude. From lounging in catnip-filled mansions to plotting purr-fect heists, this kitty kingpin is ready to take the internet by storm. Get ready to laugh, share, and meme your way into the catnip kingdom with “El Cato”! 🐾🐱	The description of the asset
website	https://elcato.vip/	The website link of the token
twitter	https://twitter.com/ElCatoSOL	The twitter link of the token
telegram	https://t.me/ElCato_Portal	The Telegram link of the token

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
Location	Elcato
Status	Unresolved

Description

The contract is set up in a way that grants the update authority, with the address `6A5or2sJMx94CDpEYtagzNcVruWwdkEgFQimqNCxNsRd` , 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 Elcato 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/3fd4AoKVBGGhZYQpoki8vwjV97WQYYcAmDC8NGXPcWfVDPYXGCFb58C3V1bmpWfVbq1rZU1AdMQujQ59CEAgU3Wn>.

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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

<https://www.cyberscope.io>