



RUGFREECOINS



# 21X Token Audit

RugfreeCoins Verified on March 27th, 2024

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# Audit details



**Audited project**

21X Token



**Contract Address**

6r4PCVaX4rYN9WdbXwVWAQL4djFoUaeBMsq8Cxc6NApZ



**Client contact**

21X Token Team



**Blockchain**

Solana



**Project website**

<https://21x.casino/>

# Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – **please make sure to read it in full.**

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

# Background

**RugfreeCoins** was commissioned by the **21X Token Team** to perform an audit of the smart contract.

<https://solscan.io/token/6r4PCVaX4rYN9WdbXwVWAQL4djFoUaeBMsg8Cxc6NApZ>

This audit focuses on verifying that the smart contract is secure, resilient, and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, and long-term sustainability, and as a guide to improving the smart contract's security posture by remediating the identified issues.

# Tokenomics












▲ 0% tax when buying & selling

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# Target market and the concept

- ▶ Anyone who's interested in the Crypto space with long-term investment plans.
- ▶ Anyone who's ready to earn a passive income by holding tokens.
- ▶ Anyone who's interested in trading tokens.
- ▶ Anyone who's interested in taking part in the 21X token ecosystem.
- ▶ Anyone who's interested in taking part in the future plans of 21X Token.
- ▶ Anyone who's interested in making financial transactions with any other party 21X Token as the currency.

## Potential to grow with score points

 Project efficiency	10 / 10
 Project uniqueness	10 / 10
 Information quality	10 / 10
 Service quality	10 / 10
 System quality	10 / 10
 Impact on the community	10 / 10
 Impact on the business	10 / 10
 Preparing for the future	10 / 10
 Smart contract security	9 / 10
 Smart contract functionality assessment	10 / 10
 <b>Total Score</b>	<b>9.9 / 10</b>



# Contract details

Token contract details for 27th of March 2024

Contract name	21X
Contract address	6r4PCVaX4rYN9WdbXwVWAQL4djFoUaeBMsq8Cxc6NApZ
Token supply	7,000,000,000
Token ticker	21X
Decimals	9
Token holders	-
Transaction count	-
Update Authority	8yoMjzKKNvUjxuA9Evq9uWFEWAnAeasWeXH45QAfRpvk
Mint	6r4PCVaX4rYN9WdbXwVWAQL4djFoUaeBMsq8Cxc6NApZ

# Meta Data

## Metaplex Metadata

Solana metadata refers to additional information associated with a digital asset or Non-Fungible Token (NFT) on the Solana blockchain. This information encompasses details such as the asset's name, description, image, attributes, and other pertinent data. In the Solana context, metadata is typically stored in JSON format and linked to the asset's unique identifier or token ID. This metadata serves as crucial information about the asset, enabling users and applications to comprehend and engage with it.

Solana metadata serves various purposes, including the presentation of asset information in marketplaces, the creation of visually rich representations of NFTs, and the facilitation of advanced functionalities such as royalties, provenance tracking, and interoperability across different platforms.

Metaplex Metadata (on-chain data)

[View URI Metadata](#)

```
{
  "root": {
    "key": 4
    "updateAuthority": "8yoMjzKKNVUjxuA9Evq9uWFEWAnAeasWeXH45QAfRpvk"
    "mint": "6r4PCVaX4rYN9WdbXwVWAQL4djFoUae8Msq8Cxc6NApZ"
    "data": {
      "name": "21X"
      "symbol": "21X"
      "uri": "https://bafkreiajx42yupvgbgqjrkchbqax7yu7picn32hmxxvamm5mzfmf22b3pe.ipfs.nftstorage.link/"
      "sellerFeeBasisPoints": 0
    }
    "primarySaleHappened": 0
    "isMutable": 1
    "editionNonce": 255
    "tokenStandard": 2
    "name": "21X"
    "symbol": "21X"
  }
}
```

## Metadata Results

Field	Value
Key	4
Update authority	8yoMjzKKNvUjxuA9Evq9uWFEWAnAeasWeXH45QAfRpvk
Mint	6r4PCVaX4rYN9WdbXwVWAQL4djFoUaeBMsq8Cxc6NApZ
Name	21X
Symbol	21X
URI	<a href="https://bafkreiajx42yupvgbgqjrkchbqax7yu7picn32hmxxvamm5mzfmf22b3pe.ipfs.nftstorage.link/">https://bafkreiajx42yupvgbgqjrkchbqax7yu7picn32hmxxvamm5mzfmf22b3pe.ipfs.nftstorage.link/</a>
SellerFeeBasisPoints	0
PrimarySalesHappened	0
isMutable	1
editionNonce	255
tokenstandard	2

# Security issue checking status

## ❖ High severity issues

No high severity issues found

## ❖ Medium severity issues

### Mutable Metadata in SPL Token Implementation

The audit identified that metadata associated with tokens within the SPL token implementation is mutable, meaning it can be altered after creation.

## ❖ Low severity issues

No high severity issues found

## Centralisation issues

The token 21X token under the ownership of the account with the address of **5dYksHDFWZYQYbSPrybmoSxCwVBGqk2vfLRYotkKuD3h** and currently holds a substantial supply of 21X tokens.

After the deployment, all tokens were centralized into this specific account. As a result, this address currently holds 100% of the token supply, amounting to 7,000,000,000 21X tokens. The consolidation of the entire token supply in one address raises significant concerns regarding centralization within the token's ecosystem. This situation introduces the potential risk of market manipulation and could lead to other adverse consequences, jeopardizing the decentralized nature of the token and the overall health of its ecosystem.

# Audit conclusion

RugFreeCoins team has performed in-depth testing, line-by-line manual code review, and automated audit of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, manipulations, and hacks. According to the smart contract audit.

Smart contract functional Status:	PASS ▾
Smart contract security Status:	01
Number of risk issues:	NONE ▾
Solidity code functional issue level:	PASS ▾
Number of owner privileges:	NONE ▾
Centralization risk correlated to the active owner:	HIGH ▾
Smart contract active ownership:	ACTIVE ▾