



Cyberscope

Audit Report

ShowGirls

June 2024

Network SOL

Address 3SXgM5nXZ5HZbhPyzoEjfVu5uShDjFPaM7a8TFg9moFm

Audited by © cyberscope

Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	STPMTA	Mint Authority	Unresolved
●	STPFRA	Freeze Authority	Passed
●	STPUPA	Update Authority	Passed

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Review

Network	Solana
Address	3SXgM5nXZ5HZbhPyzaEjfVu5uShDjFPaM7a8TFg9moFm
Explorer	https://solscan.io/address/3SXgM5nXZ5HZbhPyzaEjfVu5uShDjFPaM7a8TFg9moFm
Name	ShowGirls AI
Symbol	SHOWGIRLS
Decimals	8
Total Supply	8,888,888,888
Metadata File Type	JSON
Owner Program	https://solscan.io/address/TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA
Badge Eligibility	Must Fix Criticals

Audit Updates

Initial Audit	07 Jun 2024
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Overview

The ShowGirls token symbolized as SHOWGIRLS, is a distinguished SPL (Solana Program Library) token initialized using the `TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA` Token Program on the Solana blockchain, with a supply of 8888888888 tokens. The token uses the URL

<https://api.coinfactory.app/contracts/3SXgM5nXZ5HZbhPyzaEjfVu5uShDjFPaM7a8TFg9moFm/metadata.json>, which points to a decentralized storage service, while the image <https://res.cloudinary.com/coinfactory/image/upload/v1716958111/solana/st6g7lphjklgmc7czx0n.png> is used for visual identification of the token across platforms and marketplaces. Overall, the solana token is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.

Field	Value	Description
updateAuthority	6uGWBLKR07A5kFujaAsMtt2jXjHwoVr26zwDSbfj8Vg3	The public key that is allowed to update this account
mint	3SXgM5nXZ5HZbhPyzaEjfVu5uShDjFPaM7a8TFg9moFm	The public key of the Mint Account it derives from
name	ShowGirls AI	The on-chain name of the token
symbol	SHOWGIRLS	The on-chain symbol of the token
uri	https://api.coinfactory.app/contracts/3SXgM5nXZ5HZbhPyzaEjfVu5uShDjFPaM7a8TFg9moFm/metadata.json	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	false	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	false	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

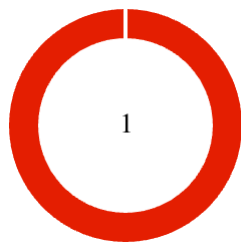
Metadata

The Metaplex Metadata provides details of the characteristics of the `ShowGirls` token, 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 asset imposes `sellerFeeBasisPoints` of 0 basis points, indicating no transaction fee for trading is set. The metadata indicates that the asset has not yet undergone its primary sale as indicated by the `primarySaleHappened` value set to 0, and it is marked as immutable since `isMutable` is 0, not allowing for future changes to the metadata. The `editionNonce` of 255 signifies a unique edition, while the `tokenStandard` of 2, aligns with a specified token standard within the Solana blockchain, ensuring its compatibility and standardization across the network. This detailed metadata structure offers a comprehensive overview of the token's key features and its operational framework within the Metaplex ecosystem on Solana.

```
{
  "name": "ShowGirls AI",
  "symbol": "SHOWGIRLS",
  "description": "Welcome to Showgirls, where sexy elite AI showgirls indulge your every fantasy.",
  "image":
    "https://res.cloudinary.com/coinfactory/image/upload/v1716958111/solana/st6g71phjklgmc7czx0n.png"
}
```

Findings Breakdown



● Critical	1
● Medium	0
● Minor / Informative	0

Severity	Unresolved	Acknowledged	Resolved	Other
● Critical	1	0	0	0
● Medium	0	0	0	0
● Minor / Informative	0	0	0	0

STPMTA - Mint Authority

Criticality	Critical
Status	Unresolved

Description

The token is currently configured in a manner that grants the account `6uGWBLKRo7A5kFujaAsMtt2jXjHwoVr26zwDSbfj8Vg3` the exclusive capability to mint new tokens at will. This unrestricted minting authority poses a significant risk of token inflation for the token. If the minting capability is exercised without stringent controls or limitations, it could lead to a scenario where the supply of tokens is significantly increased in a short period. Such an action would dilute the value of existing tokens, potentially leading to a loss of trust among investors and users, and ultimately, a decrease in the token's market value. This highlights a critical vulnerability in the token's economic model, where the potential for unchecked token creation could result in a highly inflated token supply, undermining the asset's stability and value proposition.

Recommendation

It is recommended to revoke the mint authority to mitigate the risk of unchecked token inflation. Implementing a fixed supply model could significantly enhance the token's economic security and investor confidence. By removing or significantly restricting the ability to mint new tokens, the token can maintain a stable supply, preserving its value and ensuring a fair and predictable market for all stakeholders.

STPFRA - Freeze Authority

Criticality	Passed
Status	Resolved

Description

The freeze authority of the token has been revoked, permanently disabling the ability to freeze and thaw accounts. This action signals a definitive stance on account management within the token's ecosystem, emphasizing the permanence of account statuses. Removing the possibility of altering account states, establishes a more secure environment for token holders, reinforcing the network's commitment to stability and reliability. This decision reflects adherence to best security practices, aiming to solidify investor confidence and enhance the token's value by ensuring consistent operational integrity.

Summary

The ShowGirls token, built on the Solana network, leverages a solid architecture initiated via the Token program. This audit rigorously evaluates its performance, security, and compliance with best practices. The investigation aims to identify and address any operational vulnerabilities, performance bottlenecks, and areas for optimization, ensuring the token's robustness and reliability in the Solana ecosystem.

The token program analysis reported that the mint authority of the token has not yet been revoked. This situation leaves the token's operations regarding minting action, open to modifications. Consequently, this critical operation remains exposed to potential adjustments by the owner.

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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>