



Cyberscope

Audit Report

Vhagar

September 2024

Network SOL

Address 4UvV46RjhL4Xvy1DeGWBHJ2EWUwzgNN2EzUumMqMVDQA

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Analysis

● Critical ● Medium ● Minor / Informative ● Pass

| Severity | Code | Description | Status |
|----------|------|------------------|--------|
| ● | STMA | Mint Authority | Passed |
| ● | STFA | Freeze Authority | Passed |

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Risk Classification

The criticality of findings in Cyberscope's smart contract audits is determined by evaluating multiple variables. The two primary variables are:

1. **Likelihood of Exploitation:** This considers how easily an attack can be executed, including the economic feasibility for an attacker.
2. **Impact of Exploitation:** This assesses the potential consequences of an attack, particularly in terms of the loss of funds or disruption to the contract's functionality.

Based on these variables, findings are categorized into the following severity levels:

1. **Critical:** Indicates a vulnerability that is both highly likely to be exploited and can result in significant fund loss or severe disruption. Immediate action is required to address these issues.
2. **Medium:** Refers to vulnerabilities that are either less likely to be exploited or would have a moderate impact if exploited. These issues should be addressed in due course to ensure overall contract security.
3. **Minor:** Involves vulnerabilities that are unlikely to be exploited and would have a minor impact. These findings should still be considered for resolution to maintain best practices in security.
4. **Informative:** Points out potential improvements or informational notes that do not pose an immediate risk. Addressing these can enhance the overall quality and robustness of the contract.

| Severity | Likelihood / Impact of Exploitation |
|-----------------------|----------------------------------------------------------|
| ● Critical | Highly Likely / High Impact |
| ● Medium | Less Likely / High Impact or Highly Likely/ Lower Impact |
| ● Minor / Informative | Unlikely / Low to no Impact |

Review

| | |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network | Solana |
| Address | 4UvV46RjhL4Xvy1DeGWBHJ2EWUwzgNN2EzUumMqMVDQA |
| Explorer | https://solscan.io/address/4UvV46RjhL4Xvy1DeGWBHJ2EWUwzgNN2EzUumMqMVDQA |
| Name | Vhagar |
| Symbol | VGR |
| Decimals | 6 |
| Total Supply | 100,000,000,000 |
| Metadata File Type | JSON |
| Owner Program | https://solscan.io/address/TokenzQdBNbLqP5VEhdkAS6EPFLC1PHnBqCXEpPxuEb |
| Badge Eligibility | Yes |

Audit Updates

| | |
|---------------|-------------|
| Initial Audit | 06 Sep 2024 |
|---------------|-------------|

Overview

The Vhagar token symbolized as VGR, is a distinguished SPL (Solana Program Library) token initialized using the `TokenzQdBNbLqP5VEhdkAS6EPFLC1PHnBqCXEpPxuEb` Token Program on the Solana blockchain, with a supply of 100,000,000,000 tokens. The token uses the URL <https://i.degencdn.com/ipfs/bafkreia5l2u2mih65y2c35sik3ssrteadeue7tdziyhkngwuyix4tctcey>, which points to a decentralized storage service, while the image 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 |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| mint | 4UvV46RjhL4Xvy1DeGWBHJ2EWUwzgNN2EzUumMqMVDQA | The public key of the Mint Account it derives from |
| name | Vhagar | The on-chain name of the token |
| symbol | VGR | The on-chain symbol of the token |
| uri | https://i.degencdn.com/ipfs/bafkreia5l2u2mih65y2c35sik3ssrteadeue7tdziyhkngwuyix4tctcey | The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard |

Findings Breakdown

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

STMA - Mint Authority

| | |
|-------------|----------|
| Criticality | Passed |
| Status | Resolved |

Description

The token has a fixed supply of tokens, as the mint authority has been revoked, ensuring a stable and unchangeable total supply. This key characteristic enhances its value proposition within the ecosystem by eliminating the possibility of future inflation of the token value through additional minting. This creates a predictable environment for investors and users, contributing to a perception of increased trustworthiness and security. This decision aligns with the best practices aiming to preserve the token's integrity and value, fostering a more sustainable and confident market presence.

STFA - 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 Vhagar 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 no compiler errors or critical issues.

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About Cyberscope

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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