# Definitive Finance: Edge Token

## Security Review


Cantina Managed review by:

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# 1 Introduction

## 1.1 About Cantina

Cantina is a security services marketplace that connects top security researchers and solutions with clients. Learn more at cantina.xyz

## 1.2 Disclaimer

Cantina Managed provides a detailed evaluation of the security posture of the code at a particular moment based on the information available at the time of the review. While Cantina Managed endeavors to identify and disclose all potential security issues, it cannot guarantee that every vulnerability will be detected or that the code will be entirely secure against all possible attacks. The assessment is conducted based on the specific commit and version of the code provided. Any subsequent modifications to the code may introduce new vulnerabilities that were absent during the initial review. Therefore, any changes made to the code require a new security review to ensure that the code remains secure. Please be advised that the Cantina Managed security review is not a replacement for continuous security measures such as penetration testing, vulnerability scanning, and regular code reviews.

## 1.3 Risk assessment

| Severity level | Impact: High | Impact: Medium | Impact: Low |
|---|---|---|---|
| **Likelihood: high** | Critical | High | Medium |
| **Likelihood: medium** | High | Medium | Low |
| **Likelihood: low** | Medium | Low | Low |

### 1.3.1 Severity Classification

The severity of security issues found during the security review is categorized based on the above table. Critical findings have a high likelihood of being exploited and must be addressed immediately. High findings are almost certain to occur, easy to perform, or not easy but highly incentivized thus must be fixed as soon as possible.

Medium findings are conditionally possible or incentivized but are still relatively likely to occur and should be addressed. Low findings are a rare combination of circumstances to exploit, or offer little to no incentive to exploit but are recommended to be addressed.

Lastly, some findings might represent objective improvements that should be addressed but do not impact the project's overall security (Gas and Informational findings).

# 2 Security Review Summary

Definitive Finance delivers a CeFi-like experience on DeFi rails via a fully non-custodial platform & API that is live across Solana, Base, HyperEVM and all other major EVM chains.

From Oct 19th to Oct 20th the Cantina team conducted a review of edge on commit hash cff1786b. The review focused on the following scope:

- Edge Token Deployed on Base at address 0xed6e000def95780fb89734c07ee2ce9f6dcaf110.
- Implementation contract Deployed on Base at address 0xc33581fc0d52df15fc72e10a3b689c2c99ce05f7.

The team identified a total of **2** issues:

**Issues Found**

| Severity | Count | Fixed | Acknowledged |
|---|---|---|---|
| Critical Risk | 0 | 0 | 0 |
| High Risk | 0 | 0 | 0 |
| Medium Risk | 0 | 0 | 0 |
| Low Risk | 0 | 0 | 0 |
| Gas Optimizations | 0 | 0 | 0 |
| Informational | 2 | 0 | 2 |
| **Total** | **2** | **0** | **2** |

# 3 Findings

## 3.1 Informational

### 3.1.1 Same contract address might not be possible in every chain

**Severity:** Informational

**Context:** *(No context files were provided by the reviewer)*

**Description:** The deployment script uses `CREATE2` to make sure the token is deployed to the same contract address across different chains. However, certain chains like zksync calculate contract addresses differently for `CREATE2`, and thus can lead to a different deployment address even when using the same deployment wallet and salt.

**Recommendation:** If chains like zkSync are also targeted, the system should not rely on having the same contract address on all chains.

**Definitive Finance:** Acknowledged.

**Cantina Managed:** Acknowledged.

### 3.1.2 No burn function can lead to uncontrolled growth of `totalSupply`

**Severity:** Informational

**Context:** *(No context files were provided by the reviewer)*

**Description:** While the contracts implement a mint function to mint tokens to any address, there is no burn function. Thus, there is no way to reduce the `totalSupply` of the tokens or a way to reduce the initial mint of 1 billion tokens. Tokens can still be taken out of the supply by sending them to a burn address (like 0 or 0xdead), but the `totalSupply` will keep accounting for them.

**Recommendation:** Consider implementing a burn function as well if the `totalSupply` is expected to be reduced at some point.

**Definitive Finance:** Acknowledged.

**Cantina Managed:** Acknowledged.