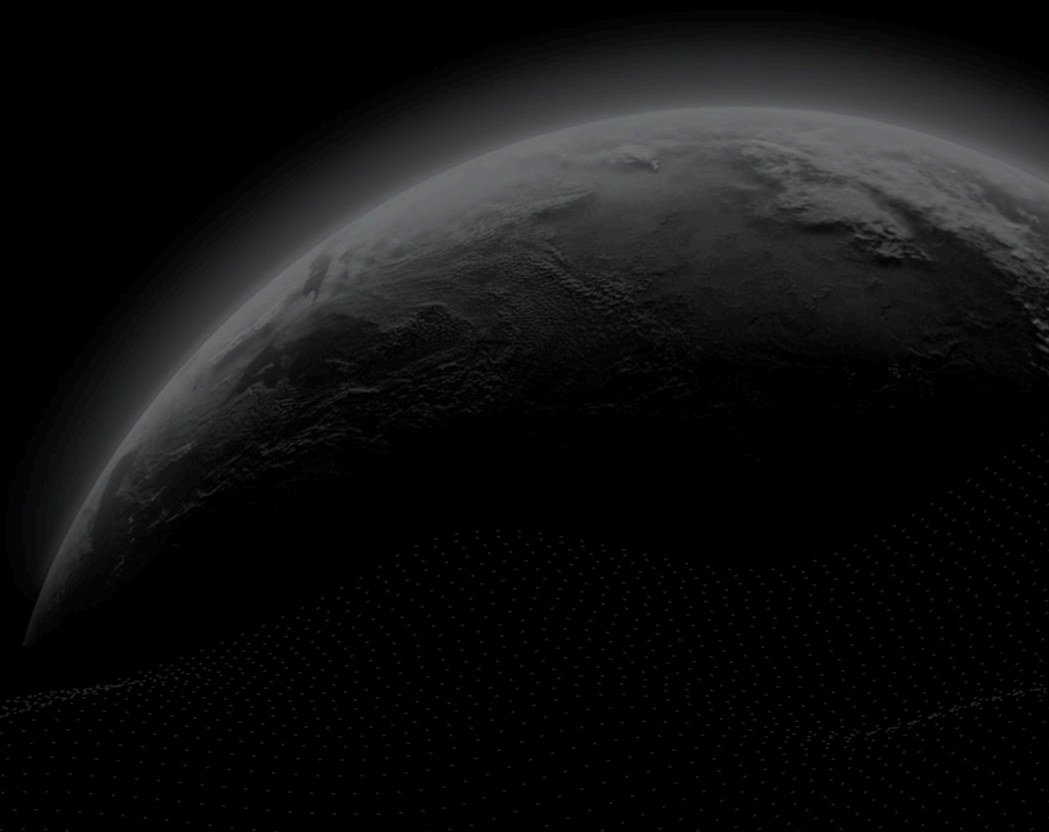




Security Assessment

Evercraft - Audit

CertiK Assessed on May 21st, 2024





CertiK Assessed on May 21st, 2024

Evercraft - Audit

The security assessment was prepared by CertiK, the leader in Web3.0 security.

Executive Summary

TYPES
ERC-20

ECOSYSTEM
EVM Compatible

METHODS
Manual Review, Static Analysis

LANGUAGE
Solidity

TIMELINE
Delivered on 05/21/2024

KEY COMPONENTS
N/A

CODEBASE
Private Shared
[View All in Codebase Page](#)

Highlighted Centralization Risks

⚠ Initial owner token share is 100%

Vulnerability Summary



0 Critical

Critical risks are those that impact the safe functioning of a platform and must be addressed before launch. Users should not invest in any project with outstanding critical risks.

1 Major 1 Acknowledged

Major risks can include centralization issues and logical errors. Under specific circumstances, these major risks can lead to loss of funds and/or control of the project.

0 Medium

Medium risks may not pose a direct risk to users' funds, but they can affect the overall functioning of a platform.

0 Minor

Minor risks can be any of the above, but on a smaller scale. They generally do not compromise the overall integrity of the project, but they may be less efficient than other solutions.

0 Informational

Informational errors are often recommendations to improve the style of the code or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

TABLE OF CONTENTS | EVERCRAFT - AUDIT

| Summary

[Executive Summary](#)

[Vulnerability Summary](#)

[Codebase](#)

[Audit Scope](#)

[Approach & Methods](#)

| Findings

[EVE-01 : Initial Token Distribution](#)

| Appendix

| Disclaimer


CODEBASE | EVERCRAFT - AUDIT

Repository

Private Shared

AUDIT SCOPE | EVERCRAFT - AUDIT

1 file audited ● 1 file without findings

ID	Repo	File	SHA256 Checksum
● ETE	CertiKProject/certik-audit-projects	 EcetToken.sol	7a3b742ebbe3641c25362632fd77b18a391 2b61178e14f1bbb7f1fdb03a4e4a

APPROACH & METHODS | EVERCRAFT - AUDIT

This report has been prepared for Evercraft to discover issues and vulnerabilities in the source code of the Evercraft - Audit project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Manual Review and Static Analysis techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

The security assessment resulted in findings that ranged from critical to informational. We recommend addressing these findings to ensure a high level of security standards and industry practices. We suggest recommendations that could better serve the project from the security perspective:

- Testing the smart contracts against both common and uncommon attack vectors;
- Enhance general coding practices for better structures of source codes;
- Add enough unit tests to cover the possible use cases;
- Provide more comments per each function for readability, especially contracts that are verified in public;
- Provide more transparency on privileged activities once the protocol is live.

FINDINGS | EVERCRAFT - AUDIT



1

Total Findings

0

Critical

1

Major

0

Medium

0

Minor

0

Informational

This report has been prepared to discover issues and vulnerabilities for Evercraft - Audit. Through this audit, we have uncovered 1 issues ranging from different severity levels. Utilizing the techniques of Manual Review & Static Analysis to complement rigorous manual code reviews, we discovered the following findings:

ID	Title	Category	Severity	Status
ETE-01	Initial Token Distribution	Centralization	Major	● Acknowledged

ETE-01 | INITIAL TOKEN DISTRIBUTION

Category	Severity	Location	Status
Centralization	● Major	EcetToken.sol: 10	● Acknowledged

Description

All of the ECET tokens are sent to the contract deployer. This is a centralization risk because the deployer can distribute tokens without obtaining the consensus of the community. Any compromise to the address may allow a hacker to steal and sell tokens on the market, resulting in severe damage to the project.

Recommendation

It is recommended that the team be transparent regarding the initial token distribution process. The token distribution plan should be published in a public location that the community can access. The team should make efforts to restrict access to the private keys of the deployer account or EOAs. A multi-signature (2/3, 3/5) wallet can be used to prevent a single point of failure due to a private key compromise. Additionally, the team can lock up a portion of tokens, release them with a vesting schedule for long-term success, and deanonymize the project team with a third-party KYC provider to create greater accountability.

Alleviation

[Evercraft Team, 05/21/2024]: The team acknowledged this issue.

[CertiK, 05/21/2024]: It is suggested to implement the aforementioned methods to avoid centralized failure. Also, CertiK strongly encourages the project team to periodically revisit the private key security management of all addresses related to centralized roles.

APPENDIX | EVERCRAFT - AUDIT

Finding Categories

Categories	Description
Centralization	Centralization findings detail the design choices of designating privileged roles or other centralized controls over the code.

Checksum Calculation Method

The "Checksum" field in the "Audit Scope" section is calculated as the SHA-256 (Secure Hash Algorithm 2 with digest size of 256 bits) digest of the content of each file hosted in the listed source repository under the specified commit.

The result is hexadecimal encoded and is the same as the output of the Linux "sha256sum" command against the target file.

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