

Smart Contract

Security Assessment

For SupChain

Airdrop

1 May 2024



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DISCLAIMER

This independent audit has been conducted to verify the integrity of and highlight any vulnerabilities or errors, intentional or unintentional, that may be present in the codes that were provided for the scope of this audit. This audit report does not constitute agreement, acceptance or advocacy for the Project that was audited, and users relying on this audit report should not consider this as having any merit for financial advice in any shape, form or nature. The contracts audited do not account for any economic developments that may be pursued by the Project in question, and that the veracity of the findings thus presented in this report relate solely to the proficiency, competence, aptitude and discretion of our independent auditors, who make no guarantees nor assurance that the contracts are completely free of exploits, bugs, vulnerabilities or deprecation of technologies. Further, this audit report shall not be disclosed nor transmitted to any persons or parties on any objective, goal or justification without due written assent, acquiescence or approval by the auditor.

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Cryptocurrencies and any technologies by extension directly or indirectly related to cryptocurrencies are highly volatile and speculative by nature. All reasonable due diligence and safeguards may yet be insufficient, and users should exercise considerable caution when participating in any shape or form in this nascent industry.

The audit report has made all reasonable attempts to provide clear and articulate recommendations to the Project team with respect to the rectification, amendment and/or revision of any highlighted issues, vulnerabilities or exploits within the contracts provided. It is the sole responsibility of the Project team to sufficiently test and perform checks, ensuring that the contracts are functioning as intended, specifically that the functions therein contained within said contracts have the desired intended effects, functionalities and outcomes of the Project team.

Auditor retains full rights over all intellectual property (including expertise and new attack or exploit vectors) discovered during the audit process. Auditor is therefore allowed and expected to re-use this knowledge in subsequent audits and to inform existing projects that may have similar vulnerabilities. The auditor may, at its discretion, claim bug bounties from third-parties while doing

so.

Executive Summary

| Severity | Found |
|-----------------|-------|
| ● High | 0 |
| ● Medium | 0 |
| ● Low | 0 |
| ● Informational | 38 |
| Total | 42 |

We performed an independent technical audit to identify Smart Contracts uncertainties. This shall protect the code from illegitimate authorization attempts or external & internal threats of any type. This also ensures end-to-end proofing of the contract from frauds. The audit was performed semi-manually. We analyzed the Smart Contracts code line-by-line and used an automation tool to report any suspicious code.

The following tools were used:

- Truffle
- Hardhat
- Remix IDE
- Slither
- Sol2UML

Overview

This report has been prepared for SupChainAirdrop for the Ethereum Network. This audit provides a user-centered examination of the smart contracts to look for vulnerabilities, logic errors or other issues from both an internal and external perspective.

Summary

| | |
|---------------------|-----------------|
| Project Name | SupChainAirdrop |
| Platform | Ethereum |
| Language | Solidity |

Contracts Assessed

| Name | Location |
|--------------|-----------------|
| SUPC_AIRDROP | Not Published |
| IERC20Permit | In SUPC_AIRDROP |
| Address | In SUPC_AIRDROP |
| SafeERC20 | In SUPC_AIRDROP |
| IERC20 | In SUPC_AIRDROP |
| Context | In SUPC_AIRDROP |
| Ownable | In SUPC_AIRDROP |

Findings Summary

| Severity | Found |
|-------------------------------------|-------|
| <div><div></div>High</div> | 0 |
| <div><div></div>Medium</div> | 0 |
| <div><div></div>Low</div> | 0 |
| <div><div></div>Informational</div> | 38 |
| Total | 38 |

Classification of Issues

| | |
|-------------------------------------|--|
| | |
| <div><div></div>High</div> | Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, or impairment of the contract and its functions. Issues under this classification are recommended to be fixed with utmost urgency. |
| <div><div></div>Medium</div> | Bugs or issues that may be subject to exploit, though their impact is somewhat limited. Issues under this classification are recommended to be fixed as soon as possible. |
| <div><div></div>Low</div> | Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless. |
| <div><div></div>Informational</div> | Consistency, syntax or style best practices, Generally pose a negligible level of risk, if any. |

Manual Review



Issues Checking Status

| Issue Description | Checking Status |
|---|-----------------|
| Compiler errors | PASS |
| Race conditions and Reentrancy. Cross-function race conditions. | PASS |
| Possible delays in data delivery. | PASS |
| Oracle calls. | PASS |
| Front running. | PASS |
| Timestamp dependence. | PASS |
| Integer Overflow and Underflow. | PASS |
| DoS with Revert. | PASS |
| DoS with block gas limit. | PASS |
| Methods execution permissions. | PASS |
| Economy model of the contract. | PASS |
| The impact of the exchange rate on the logic. | PASS |
| Private user data leaks. | PASS |
| Malicious Event log. | PASS |
| Scoping and Declarations. | PASS |
| Uninitialized storage pointers. | PASS |

| | |
|--|------|
| Arithmetic accuracy. | PASS |
| Design Logic. | PASS |
| Cross-function race conditions. | PASS |
| Safe Open Zeppelin contracts implementation and usage. | PASS |
| Fallback function security. | PASS |

Functional Test Status

| Function Name | Type/Return Type | Score |
|-----------------------|------------------|-------|
| Context | | |
| _contextSuffixLength | internal | PASS |
| _msgSender | internal | PASS |
| _msgData | internal | PASS |
| Ownable | | |
| _checkOwner | internal | PASS |
| _transferOwnership | internal | PASS |
| constructor | internal | PASS |
| renounceOwnership | public | PASS |
| transferOwnership | public | PASS |
| IERC20Permit | | |
| DOMAIN_SEPARATOR | external | PASS |
| nonces | external | PASS |
| permit | external | PASS |
| SafeERC20 | | |
| callOptionalReturn | private | PASS |
| forceApprove | internal | PASS |
| safeDecreaseAllowance | internal | PASS |
| safeIncreaseAllowance | internal | PASS |
| safeTransfer | internal | PASS |
| safeTransferFrom | internal | PASS |

| | | |
|----------------------------|----------|------|
| SUPC_AIRDROP | | |
| addUserClaimAmount | public | PASS |
| claim | public | PASS |
| constructor | public | PASS |
| receive | external | PASS |
| setStartEndTimes | external | PASS |
| setTokenAddress | external | PASS |
| withdrawToken | external | PASS |
| Address | | |
| _revert | private | PASS |
| functionCall | internal | PASS |
| functionCallWithValue | internal | PASS |
| functionDelegateCall | internal | PASS |
| functionStaticCall | internal | PASS |
| sendValue | internal | PASS |
| verifyCallResult | internal | PASS |
| verifyCallResultFromTarget | internal | PASS |
| IERC20 | | |
| allowance | external | PASS |
| approve | external | PASS |
| balanceOf | external | PASS |
| totalSupply | external | PASS |

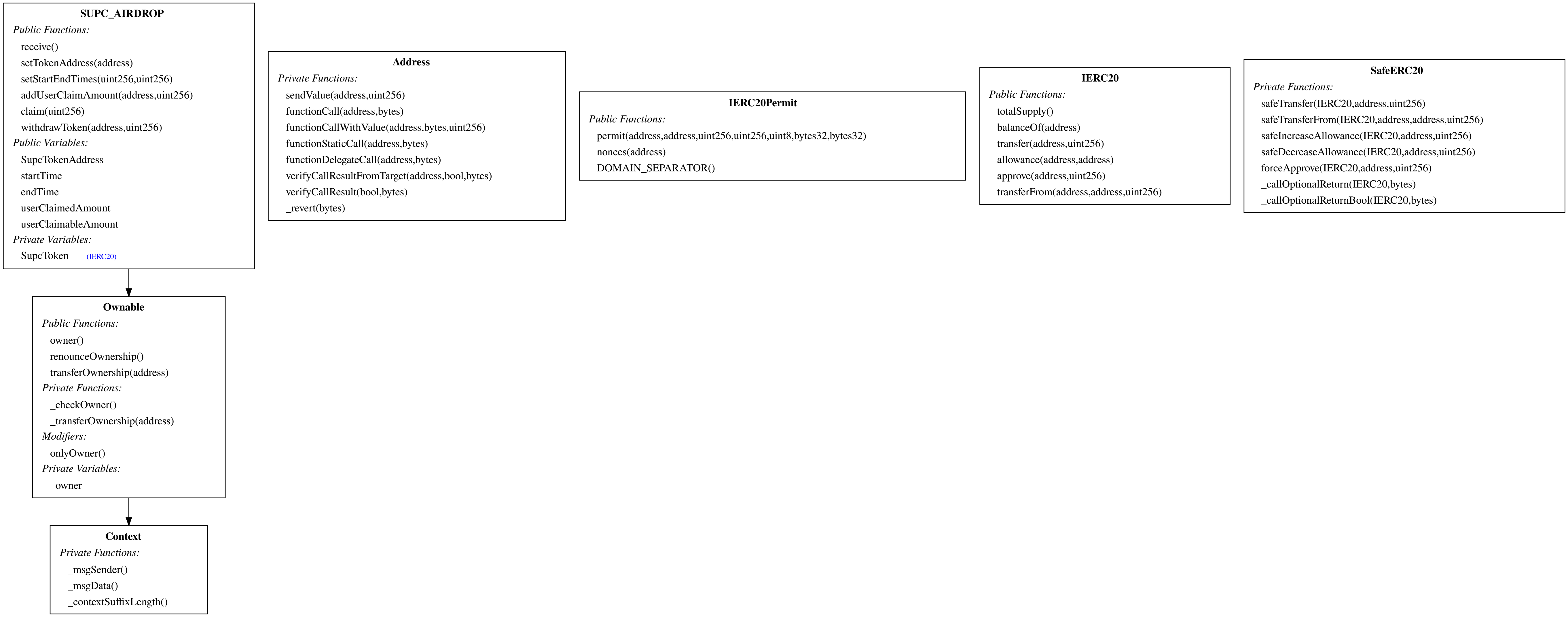
| | | |
|-----------------|----------|------|
| transfer | external | PASS |
| transferFrom | external | PASS |
| IERC20Metadata | | |
| decimals | external | PASS |
| name | external | PASS |
| symbol | external | PASS |
| ERC20 | | |
| _approve | internal | PASS |
| _burn | internal | PASS |
| _mint | internal | PASS |
| _spendAllowance | internal | PASS |
| _transfer | internal | PASS |
| _update | internal | PASS |
| allowance | public | PASS |
| approve | public | PASS |
| balanceOf | public | PASS |
| constructor | internal | PASS |
| decimals | public | PASS |
| name | public | PASS |
| symbol | public | PASS |
| totalSupply | public | PASS |
| transfer | public | PASS |
| transferFrom | public | PASS |

Omitted Results

Note: Any issues that have been omitted from this report have been deemed by the reviewing team as irrelevant, inapplicable, and/or negligible to the proper functioning of this contract. Thus, any omitted issues can be safely ignored.

Automated Review





Conclusion

The smart contracts reviewed in this audit contain no critical severity issues and all Medium to Low issues have either been corrected or acknowledged.

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.



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