RAPID LABS

SMART CONTRACT SECURITY AUDIT

Final report **Plan: Simple**

Blue Bird

February 2024

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INTRODUCTION

The report has been prepared for Blue Bird.
The Blue Bird Token or BLB Token will be a strategic impact in the world of crypto-assets for being a token with real-world utility, breaking once and for all that feeling that a cryptocurrency only works in digital media.

Name	Blue Bird
Audit date	2024-02-14 - 2024-02-14
Language	Solidity
Platform	Polygon Network

ANALYZED CONTRACTS

Name	Address
BlueBird	0x80dd32b30E12cae9F08E23201BfedbA3B62e60D6

AUDIT PROCESS

Our audit structure consists of two stages:

Auto-analysis

- Our automated tools allow us to scan smart contract code and find potential issues
- We hand pick and verify all the issues found by the tools

Expert audit

- Manual analysis of potential issues and vulnerabilities

- Contract code is reviewed thoroughly

KNOWN ISSUES CHECKED

Title	Result
Unencrypted Private Data On-Chain	✓ passed
Code With No Effects	✓ passed
Message call with hardcoded gas amount	✓ passed
Typographical Error	✓ passed
DoS With Block Gas Limit	✓ passed
Presence of unused variables	✓ passed
Incorrect Inheritance Order	✓ passed
Requirement Violation	✓ passed
Weak Sources of Randomness from Chain Attributes	✓ passed
Shadowing State Variables	✓ passed
Incorrect Constructor Name	✓ passed

Block values as a proxy for time	✓ passed
Authorization through tx.origin	✓ passed
DoS with Failed Call	✓ passed
Delegatecall to Untrusted Callee	✓ passed
Use of Deprecated Solidity Functions	✓ passed
Assert Violation	✓ passed
State Variable Default Visibility	✓ passed
Reentrancy	✓ passed
Unprotected SELFDESTRUCT Instruction	✓ passed
Unprotected Ether Withdrawal	✓ passed
Unchecked Call Return Value	✓ passed
Floating Pragma	✓ passed
Outdated Compiler Version	✓ passed
Integer Overflow and Underflow	✓ passed
Function Default Visibility	✓ passed

ISSUE CLASSIFICATION

High risk	Issues leading to assets theft, locking or any other loss of assets or leading to contract malfunctioning.
Medium risk	Issues that can trigger a contract failure of malfunctioning.
Low risk	Issues that do now affect contract functionality. For example, unoptimised gas usage, outdated or unused code, code style violations, etc.

ISSUES

High risk issues

No issues were found

Medium risk issues

No issues were found

Low risk issues

No issues were found

CONCLUSION

Blue Bird BlueBird contract was audited. No risk issues were found.

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This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

STATIC CODE ANALYSIS

```
INFO:Detectors:
Context._contextSuffixLength() (contracts/contract.sol#191-193) is never used and
should be removed
Context._msgData() (contracts/contract.sol#187-189) is never used and should be
removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code
INFO:Detectors:
Pragma version^0.8.20 (contracts/contract.sol#5) necessitates a version too recent
to be trusted. Consider deploying with 0.8.18.
Pragma version^0.8.20 (contracts/contract.sol#170) necessitates a version too
recent to be trusted. Consider deploying with 0.8.18.
Pragma version^0.8.20 (contracts/contract.sol#201) necessitates a version too
recent to be trusted. Consider deploying with 0.8.18.
Pragma version^0.8.20 (contracts/contract.sol#283) necessitates a version too
recent to be trusted. Consider deploying with 0.8.18.
Pragma version^0.8.20 (contracts/contract.sol#311) necessitates a version too
recent to be trusted. Consider deploying with 0.8.18.
Pragma version^0.8.20 (contracts/contract.sol#629) necessitates a version too
recent to be trusted. Consider deploying with 0.8.18.
Pragma version^0.8.20 (contracts/contract.sol#668) necessitates a version too
recent to be trusted. Consider deploying with 0.8.18.
solc-0.8.20 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-
versions-of-solidity
INFO:Detectors:
BlueBird.constructor() (contracts/contract.sol#673-675) uses literals with too
many digits:
▌- _mint(msg.sender,980000000 * 10 ** decimals()) (contracts/contract.sol#674)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-
digits
INFO:Slither:. analyzed (9 contracts with 85 detectors), 11 result(s) found
```

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