



TOKEN GUARD

TokenGuard provides a basic critical vulnerability verification in less than 12 hours.

(We cover 29/36 of the most important security checks from SWC Registry).

[more details: tokenguard.io](https://tokenguard.io)





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AUDIT REPORT

Background:

Daniel contacted us in his need of a tudaBirds audit. tudaBirds's smart contract is a BEP20 token available for investor on Binance Smart Chain under address: **0x00ceb4868501B456207856bB6f949c3d2af09a66**. We conducted the smart contract automated audit of their solidity source code using our Tokenguard engine.

Project summary:

Project:	tudaBirds
Blockchain:	BSC
Language:	Solidity
Contract name	BURD
Compiler version:	v0.6.12
Website:	https://tudabirds.io/
Request date:	09/11/2021
Report date:	15/11/2021



AUDIT REPORT

OVERVIEW:

tudaBirds is a NFT-driven defi gaming arena, powered by the Polygon blockchain with an emphasis on creating competitions and games – both simple and complex – to be hosted within virtual real estate Game Rooms in the tudaBirds arena.

tudaBirds offers **an user-earning focused defi gaming arena:**

- An arena of social gaming with earnings opportunities for users (by adding or creating value, not just from playing games)
- Virtual gaming rooms using real estate NFTs where users can create / repackage games; other users can earn from promoting
- A no-burn token
- 66% of all retained game revenues redistributed to holders
- 66% of all NFT aftermarket royalties shared, half and half, to \$BURD and NFT holders
- Evolving NFB (non-fungible Birds) avatars built as erc1155



AUDIT REPORT

- The birds evolve by means of compound ERC1155 NFTs which users can self-mint. These avatar NFBs will add capability (and re-sale value) when combined with evolution NFTs (ranging from jetpacks to space suits, helmets, boots) etc.

tudaBirds \$BURD tokens are minted on the Binance Smart Chain and their NFTs are minted on the Polygon blockchain.

List of security checks:

SWC - 100 Function Default Visibility



SWC - 101 Integer Overflow and Underflow



SWC - 102 Outdated Compiler Version



SWC - 103 Floating Pragma



SWC - 104 Unchecked Call Return Value



SWC - 105 Unprotected Ether Withdrawal



SWC - 106 Unprotected SELFDESTRUCT Instruction



SWC - 107 Reentrancy



SWC - 108 State Variable Default Visibility



SWC - 109 Uninitialized Storage Pointer



[more details: tokenguard.io](https://tokenguard.io)



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SWC - 110 Assert Violation



SWC - 111 Use of Deprecated Solidity Functions



SWC - 112 Delegatecall to Untrusted Callee



SWC - 113 DoS with Failed Call



SWC - 114 Transaction Order Dependence



SWC - 115 Authorization through tx.origin



SWC - 116 Block values as a proxy for time



SWC - 117 Signature Malleability



SWC - 119 Shadowing State Variables



SWC - 120 Weak Sources of Randomness from Chain Attributes



SWC - 124 Write to Arbitrary Storage Location



SWC - 125 Incorrect Inheritance Order



SWC - 127 Arbitrary Jump with Function Type Variable



SWC - 128 DoS With Block Gas Limit



SWC - 129 Typographical Error



SWC - 130 Right-To-Left-Override control character (U+202E)



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SWC - 131 Presence of unused variables



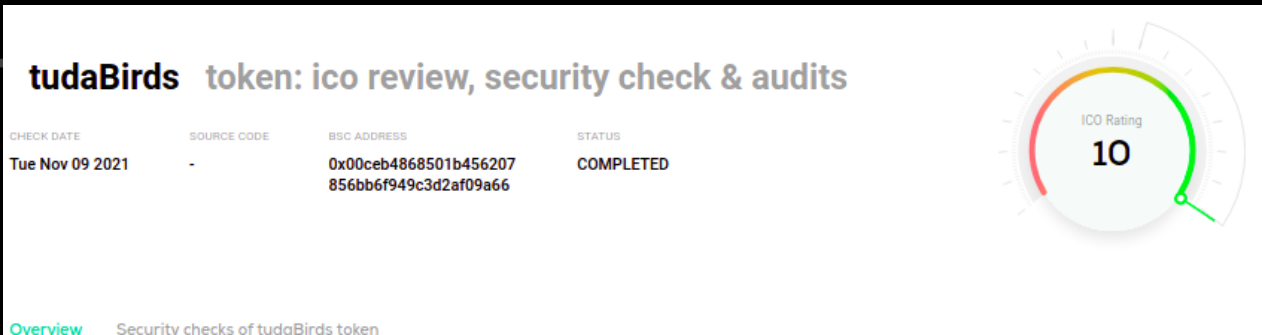
SWC - 132 Unexpected Ether balance



SWC - 135 Code With No Effects



Summary:



The following audit report presents the effect of the Tokenguard basic source code vulnerabilities analysis. This security check performed on 09/11/2021 based on a smart contract address provided by tudaBirds company.

The smart contract was analyzed for basic critical smart contract vulnerabilities, exploits and manipulation hacks according to swcregistry.io.

The tudaBirds's basic critical vulnerability audit didn't find any vulnerabilities there.

tudaBirds has passed the audit and is



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ABOUT TOKENGUARD

Tokenguard.io is the first automated rating agency for Ethereum and other blockchains. We use the most sophisticated tools to find bugs in tokens that would allow hackers take over your funds. There's no safe investing in ICOs without Tokenguard.

Tokenguard.io supports the construction of secure blockchain infrastructure for fintech and enterprise customers around the world.

LIABILITY CLAUSE

Please note that Tokenguard.io doesn't verify the economic foundation of the project but only its code correctness and security issues. We do not take any responsibility for any misuse or misunderstanding of the information provided and potential economic losses due to faulty investment decisions. This document doesn't ensure that the code itself is free from potential vulnerabilities that were not found. If any questions arise please contact us via www.tokenguard.io.





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Thank you for your attention!

in terms of any additional questions please contact: tom@tokenguard.io

[more details: tokenguard.io](https://tokenguard.io)

