



SPYWOLF

Security Audit Report



Audit prepared for
BlueHedgehog

Completed on
September 23, 2024



OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





TABLE OF CONTENTS

Project Description	01
Contract Information	02
Current Stats	03
Featured Wallets	04
Vulnerability Check	05
Errors Found	06
Manual Code Review & Score	07
Found Threats	08-A/08-C
Tokenomics	09
Website Analysis & Score	10
Social Media Review & Score	11
About SPYWOLF	12
Disclaimer	13



BlueHedgehog



PROJECT DESCRIPTION:

BlueHedgehog is a pioneering cryptocurrency designed to enhance user engagement through innovative gamification techniques and a strong commitment to financial inclusion.

The project's inception stemmed from a recognized need for a digital asset that transcends traditional functionalities, serving not just as a medium of exchange but as a platform for valuable interactions across decentralized finance (DeFi), gaming, and non-fungible tokens (NFTs).

Release Date: TBA

Launchpad: Fairlaunch

Category: P2E (play to earn)





KEY RESULTS

Cannot mint new tokens	NOT PASSED
Cannot pause trading (honeypot)	PASSED
Cannot blacklist an address	PASSED
Cannot raise taxes over 25%?	PASSED
No proxy contract detected	PASSED
Not required to enable trading	PASSED
No hidden ownership	PASSED
Cannot change the router	PASSED
No cooldown feature found	PASSED
Bot protection delay is lower than 5 blocks	PASSED
Cannot set max tx amount below 0.05% of total supply	PASSED
The contract cannot be self-destructed by owner	PASSED

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

N/A = Not applicable for this type of contract

*Only new deposits/reinvestments can be paused



CONTRACT INFO

Token Name	Symbol
BlueHedgehog	BlueHedgehog
Contract Address	
0x4cC55c673a67fD9C1132E47baD621b224eaBf998	
Network	Language
BASE	Solidity
Deployment Date	Contract Type
Sep 21, 2024	Standard
Total Supply	Decimals
10,000,000,000,000,000	6

TAXES



*Taxes cannot be changed



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ 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.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



SMART CONTRACT STATS

Calls Count	2
External calls	2
Internal calls	0
Transactions count	2
Last transaction time	Sep-21-2024 01:03:01 PM +UTC
Deployment Date	Sep-21-2024 11:28:03 AM +UTC
Create TX	0x992807215ccedbce8c5ee1ecale2e9b6592e1bcc742a18ef816f7be74b936d8c
Owner	0xEc3A4600e67cFf25B4Eb7Ba6F267dCEC7032AACb
Deployer	0xEc3A4600e67cFf25B4Eb7Ba6F267dCEC7032AACb

TOKEN TRANSFERS STATS

Transfer Count	unavailable
Total Amount	unavailable
Median Transfer Amount	unavailable
Average Transfer Amount	unavailable
First transfer date	Sep-21-2024 11:28:03 AM +UTC
Last transfer date	Sep-21-2024 01:03:01 PM +UTC
Days token transferred	1 Day



FEATURED WALLETS

Owner address	0xEc3A4600e67cFf25B4Eb7Ba6F267dCEC7032AACb
Marketing fee receiver	unavailable
LP address	Liquidity is not added yet

TOP 3 UNLOCKED WALLETS

100%	Same as owner Tokens are not distributed yet 0xEc3A4600e67cFf25B4Eb7Ba6F267dCEC7032AACb
unavailable	
unavailable	



VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed
SWC-107	Reentrancy	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed
SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-118	Incorrect Constructor Name	Passed



VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed



VULNERABILITY ANALYSIS

NO ERRORS FOUND



MANUAL CODE REVIEW

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

THREAT LEVELS

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

Code Score: 50%



FOUND THREATS

High Risk: 1

No high risk-level threats found in this contract.

Medium Risk: 0

No medium risk-level threats found in this contract.

Low Risk: 0

No low risk-level threats found in this contract.



FOUND THREATS

⚠ High Risk:

Owner can mint (create) new tokens.
This might lead to rapid token inflation and liquidity drain.

```
function multi(address to, uint256 amount) public onlyOwner {  
    require(to != address(0), "to can't be zero");  
    totalSupply = totalSupply + amount;  
    balanceOf[to] = balanceOf[to] + amount;  
    emit Transfer(address(0), to, amount);  
}
```

- Recommendation:
 - Considered as good practice is minting to occur once via contract's construction.



FOUND THREATS

 Informational: 0



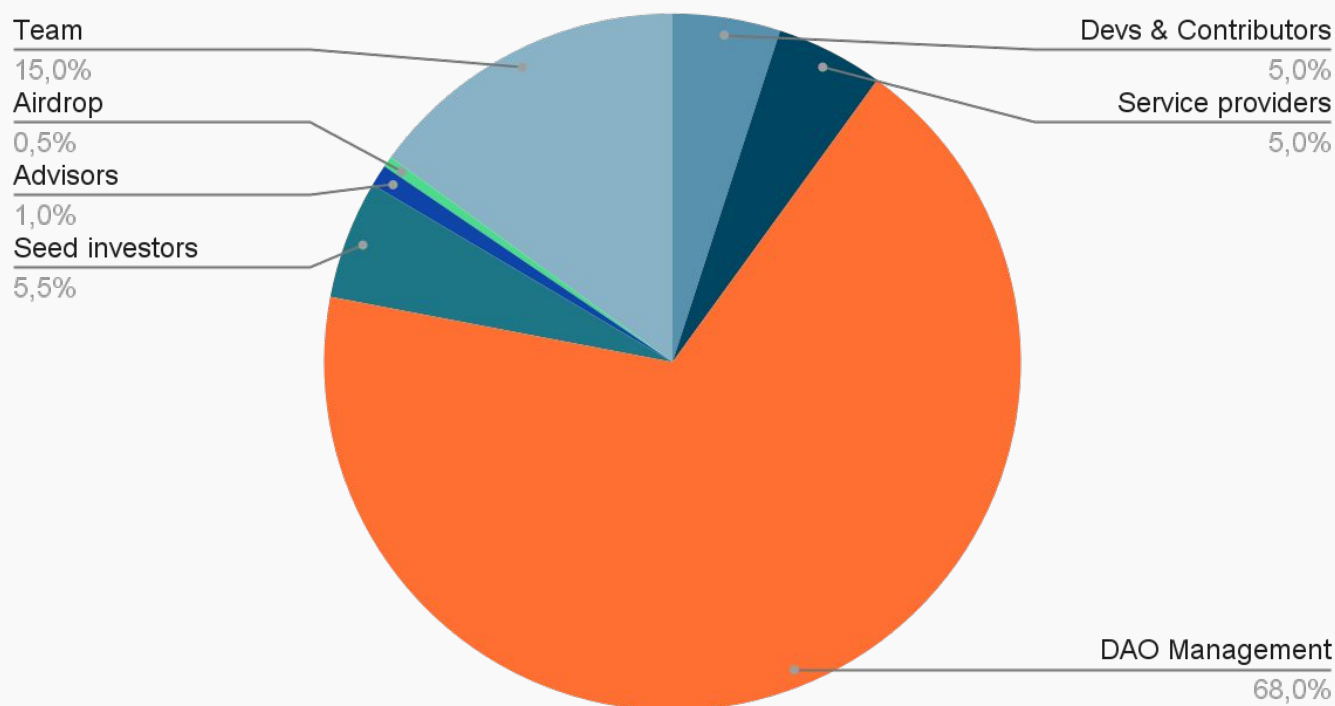
The following tokenomics are based on the project's whitepaper and/or website:

Tokenomics:

Developers & Contributors - 5%,
Third party service providers - 5%,
DAO Management - 68%,
Seed Investors - 5.5%,
Advisors - 1%,
Airdrop - 0.5%,
Team - 15%,

Token Distribution

Tokens distribution





WEBSITE

Website URL:
<https://bluehedgehog.cc>

Domain Registry
<https://www.gname.com>

Domain Expiration
2025-09-18

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

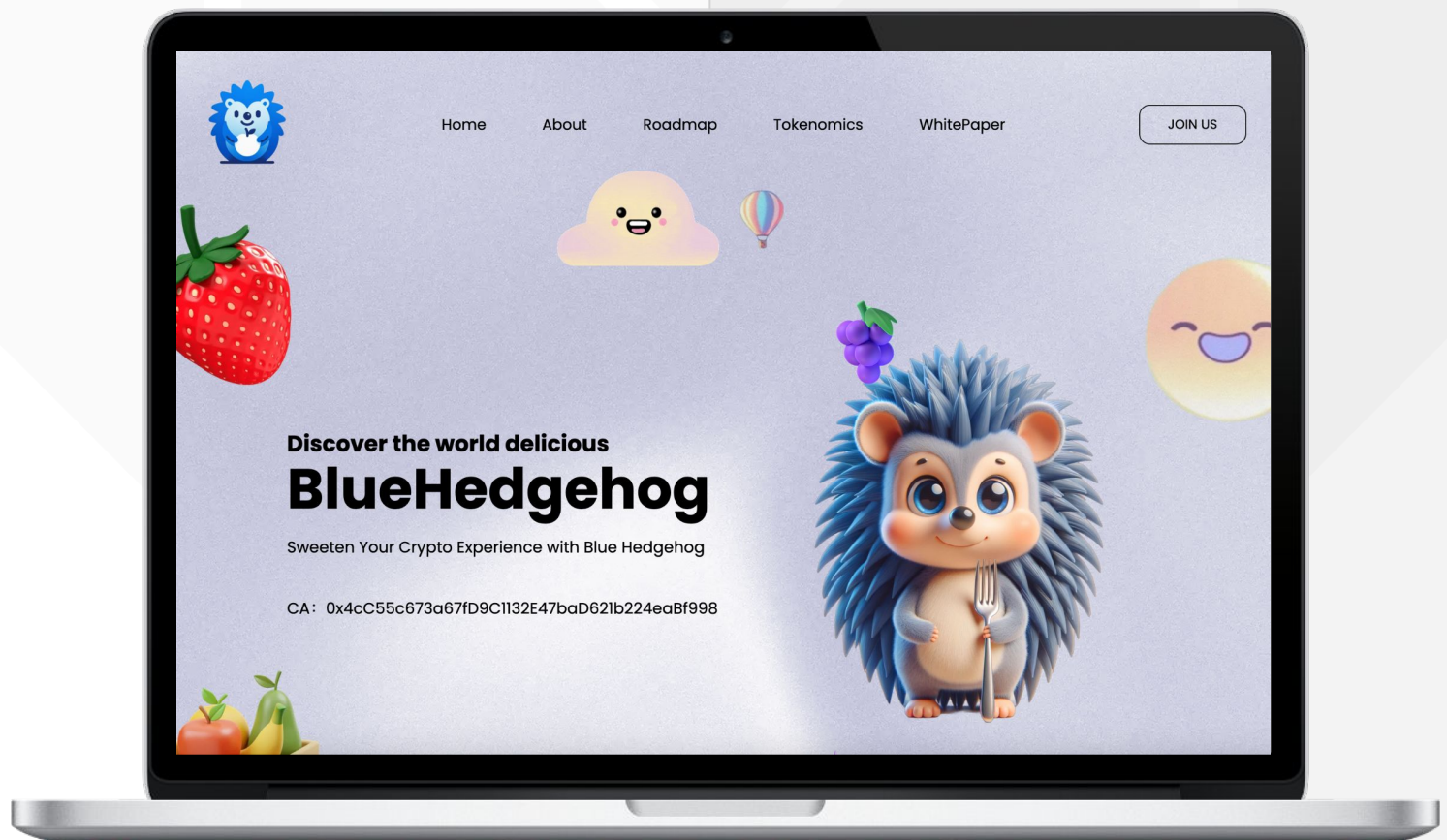
Design
Single page design with appropriate color scheme and graphics.

Content
The information helps new investors understand what the product does right away.
No grammar mistakes found

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set without time frames.

Mobile-friendly?
Yes



Website Score: 100%



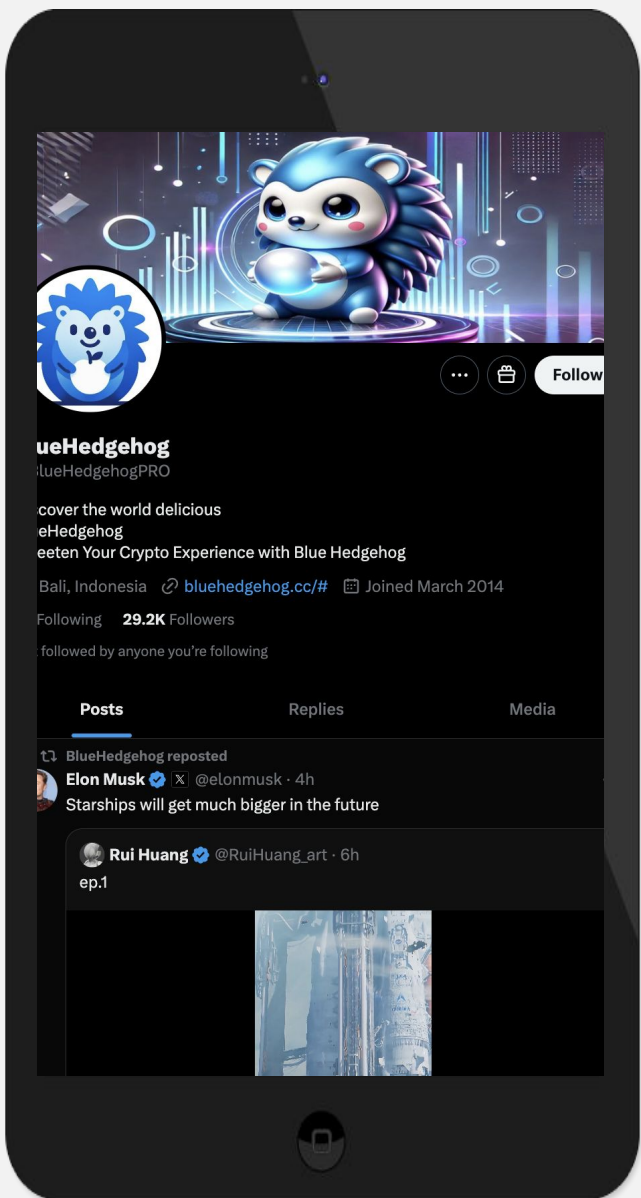
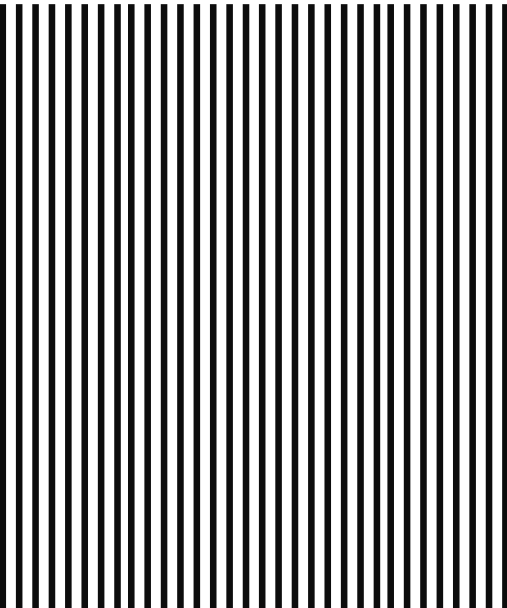
SOCIAL MEDIA

Social Score: 100%



ANALYSIS

Project's social media pages are active



Twitter:

@BlueHedgehogPRO

- 29 100 followers
- Posts frequently
- Active



Discord

unavailable



Telegram:

@BlueHedgehogS

- 9 772 subscribers (channel)
- Posts frequently
- Active



Medium

unavailable



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.

