



# SPYWOLF

## Security Audit Report



Audit prepared for  
**Q.Finance**

Completed on  
**February 25, 2025**

@SPYWOLFNETWORK



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# 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 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

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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-B
Tokenomics	09
Website Analysis & Score	10
Social Media Review & Score	11
About SPYWOLF	12
Disclaimer	13



# Q.FINANCE



## PROJECT DESCRIPTION:

### **According to their website:**

Q.Finance is a next-generation decentralized finance (DeFi) platform designed to bring seamless, permissionless token swaps and fair project launches under one roof. Initially deployed on Ethereum and Base, Q.Finance aims to become a truly multi-chain ecosystem, ultimately launching its own EVM-compatible Layer 2 network.

Our mission is to empower the community with innovative, high-speed DeFi services and robust governance. With a dual-token model—the QFIN governance token and the QFI utility token—Q.Finance ensures transparent distribution of fees, protocol revenues, and governance power. This whitepaper outlines the platform's functionalities, tokenomics, DAO structure, and future roadmap.

**Release Date:** TBA

**Category:** DeFi





# KEY RESULTS

Cannot mint new tokens	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.



# CONTRACT INFO

Token Name  
QFinanceToken

Symbol  
QFIN

Contract Address  
0x2A79FA26527615974E96A64b42C70D09597c772b

Network  
Ethereum

Language  
Solidity

Deployment Date  
Feb 23, 2025

Contract Type  
Standard token

Total Supply  
10,000 QFIN

Decimals  
18

## TAXES

Buy Tax  
**0%**

Sell Tax  
**0%**

\*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	1
External calls	1
Internal calls	0
Transactions count	1
Last transaction time	Feb-22-2025 11:05:47 PM UTC
Deployment Date	Feb-22-2025 09:55:47 PM UTC
Create TX	0xd744e79ddbbe9527dc6aa408c5dc369a65b373257424697098cfbbcf6c3337ab
Owner	0xd9e1b12CccCd75Ca0DE316C1EdaA8cC5fC337B1fC
Deployer	0xd9e1b12CccCd75Ca0DE316C1EdaA8cC5fC337B1fC

# TOKEN TRANSFERS STATS

Transfer Count	1
Total Amount	10,000
Median Transfer Amount	10,000
Average Transfer Amount	10,000
First transfer date	Feb-22-2025 09:55:47 PM UTC
Last transfer date	Feb-22-2025 09:55:47 PM UTC
Days token transferred	2 Days



# FEATURED WALLETS

Owner address	0xd9e1b12CcCd75Ca0DE316C1EdaA8cC5fC337B1fC
Marketing fee receiver	unavailable
LP address	Liquidity is not added yet

# TOP 3 UNLOCKED WALLETS

100%	Same as deployer Tokens are not distributed yet 0xd9e1b12CcCd75Ca0DE316C1EdaA8cC5fC337B1fC
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

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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.



# FOUND THREATS

## Medium Risk

The contract owner can whitelist specific addresses, allowing them to perform token transfers even when trading is disabled. Non-whitelisted users are restricted from engaging in transfers until trading is enabled. This creates a potential risk where the contract could operate as a honeypot during the presale phase, preventing users from trading their tokens freely.

Note: This risk is mitigated after the `trading` variable is set to `true`, enabling unrestricted token transfers for all users.

```
function setWhitelist(address _user, bool _status) external onlyOwner {
    whitelist[_user] = _status;
    emit WhitelistUpdated(_user, _status);
}

function _transfer(address from, address to, uint256 amount) private {
    require(from != address(0), "QFin: Transfer from zero address");
    require(to != address(0), "QFin: Transfer to zero address");
    require(amount > 0, "QFin: Transfer amount must be greater than zero");

    if (!whitelist[from] && !whitelist[to]) {
        require(trading, "QFin: Trading is disabled");
    }

    uint256 senderBalance = _balances[from];
    require(senderBalance >= amount, "QFin: Insufficient balance");

    _balances[from] -= amount;
    _balances[to] += amount;

    emit Transfer(from, to, amount);
}
```

- Recommendation:
  - To mitigate this risk, it is recommended to enable trading (by calling the `enableTrading` function) prior to adding liquidity to the market. This ensures that all users can engage in token transfers without restrictions once trading begins.



# FOUND THREATS


## Informational

The contract owner has the ability to enable trading. Once trading is enabled, it becomes permanent and cannot be disabled. This ensures that trading restrictions are lifted for all users, and the token operates without further limitations.

```
function enableTrading() external onlyOwner {  
    require(!trading, "QFin: Trading is already enabled");  
    trading = true;  
}
```




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




QFIN Supply

10,000 Tokens




QFI Supply

100M Tokens



Governance

1 QFIN = 1 Vote



Distribution

100% Community

QFIN Token Benefits

Swap Revenue

50% of all trading fees

Auto-distributed

Launchpad Revenue

50% of listing fees

Weekly payouts

IDO Benefits

5% of all launches

Free airdrops

QFI Token Overview

Distribution Model

- 100% Fair Community Distribution
- No Team or Investor Allocation
- Based on Swap Usage History
- Retroactive Rewards for Early Users

Token Utility

- Native Gas Token for Layer 2
- Reduced Transaction Fees
- Staking Rewards
- Platform Governance Rights

Q.Finance Layer 2 Launch

High Performance

Lightning-fast transactions with minimal fees

Scalable

Security

Ethereum-level security guarantees

Protected

Compatibility

Full EVM compatibility for dApps

Seamless

Layer 2 Distribution Details

Airdrop Criteria


- Based on Trading Volume
- Liquidity Provision History
- Platform Engagement Score
- Early Adopter Bonus


Timeline & Vesting


- TGE: 25% Instant Unlock
- 6-Month Linear Vesting
- Weekly Token Releases
- No Lock for Active Users


Layer 2 Launch - Coming Soon!

Get ready for our Layer 2 network launch with 100M QFI tokens distributed to active swap users. Start trading now to qualify!

 Zero-cost transactions

 Lightning-fast finality

 Enhanced security

 Early adopter rewards

Revenue & Benefits Distribution

1 Swap Revenue

50% of trading fees to DAO

2 Launchpad Fees

50% of listing fees to DAO

3 IDO Tokens

5% Airdrop to QFIN holders

LEARN MORE

# TOKENOMICS

09

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# WEBSITE

**Website URL:**  
https://q.finance/

**Domain Registry**  
Private

**Domain Expiration**  
Private

**Technical SEO Test**  
Passed

**Security Test**  
Passed. SSL certificate present

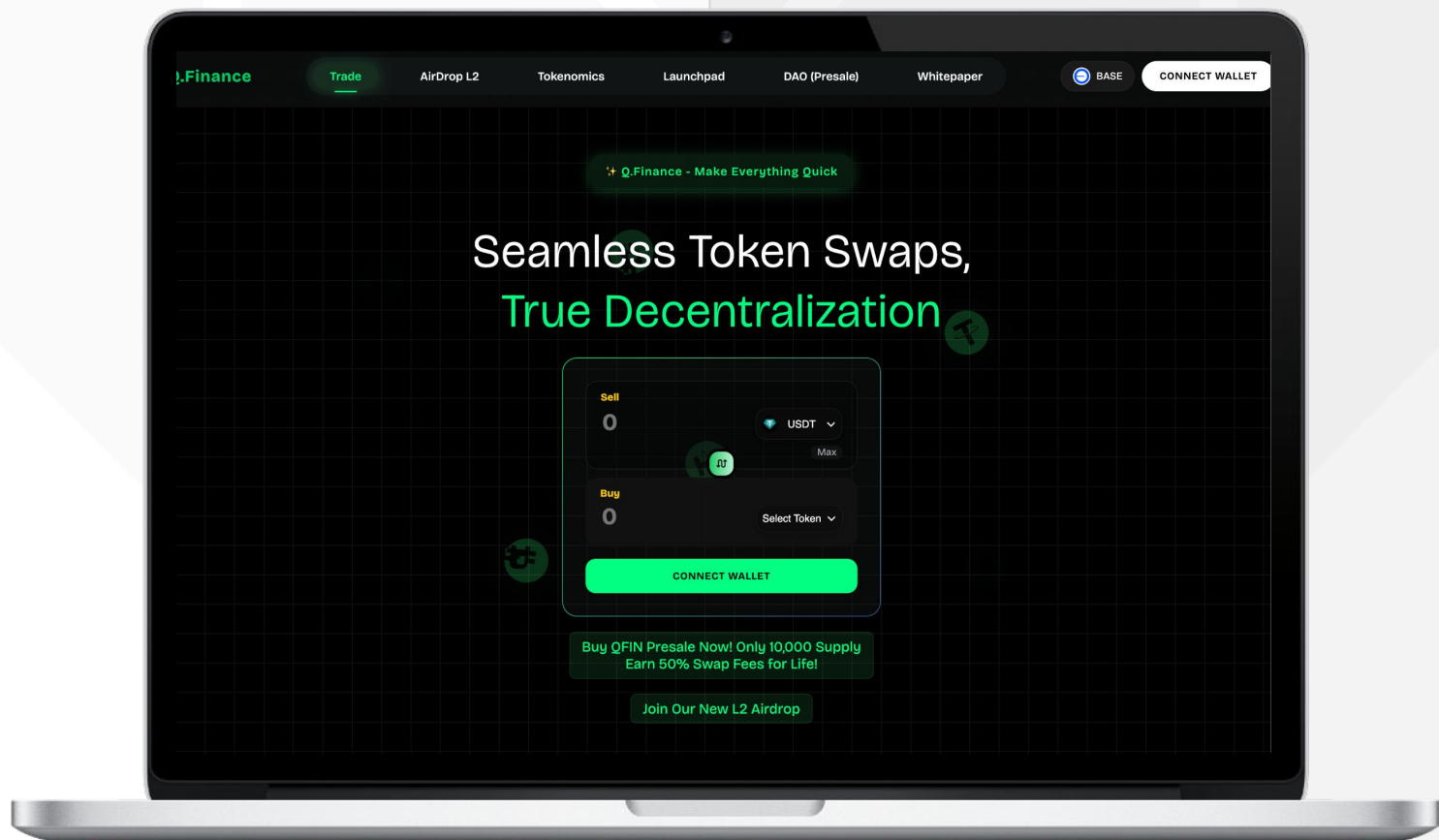
**Design**  
Very nice color scheme and overall layout.

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

**Whitepaper**  
Yes

**Roadmap**  
Yes

**Mobile-friendly?**  
Yes



# q.finance



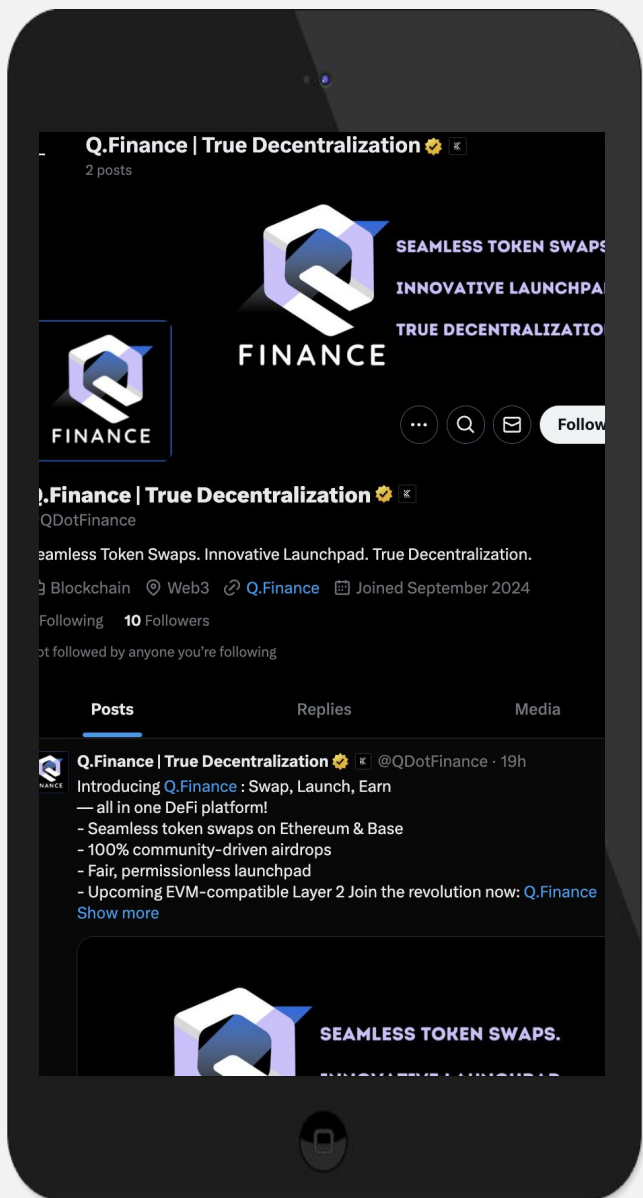
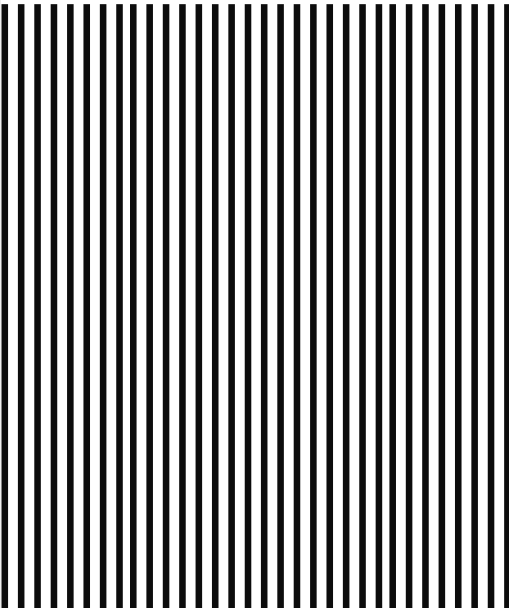


# SOCIAL MEDIA



## ANALYSIS

Project social media pages are new.



Twitter:

@QDotFinance

- 10 Followers
- New account
- Active



Discord

Unavailable



Telegram:

@QDotFinance

- 10 Followers
- New account
- 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.

- ✓ OVER 700 SUCCESSFUL CLIENTS
- ✓ MORE THAN 1000 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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[t.me/joe\\_SpyWolf](https://t.me/joe_SpyWolf)

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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.