

Smart Contract Security Audit Report

SHO PX

March 2023



Audit Detdis



Audited project

SHOPX

Deployer address 0x24ed05c234aa2caf4503d737348e580f18479316



Client contacts

SHOPX Team





Website

https://shopx.co/

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Disc dimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the 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 below disclaimer below – please make sure to read it in full.

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

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Procedure

Step 1 - In-Depth Manual Review

Manual line-by-line code reviews to ensure the logic behind each function is sound and safe from various attack vectors. This is the most important and lengthy portion of the audit process (as automated tools often cannot find the nuances that lead to exploits such as flash loan attacks).

Step 2 - Automated Testing

Simulation of a variety of interactions with your Smart Contract on a test blockchain leveraging a combination of automated test tools and manual testing to determine if any security vulnerabilities exist.

Step 3 – Leadership Review

The engineers assigned to the audit will schedule meetings with our leadership team to review the contracts, any comments or findings, and ask questions to further apply adversarial thinking to discuss less common attack vectors.

Step 4 - Resolution of Issues

Consulting with the team to provide our recommendations to ensure the code's security and optimize its gas efficiency, if possible. We assist project team's in resolving any outstanding issues or implementing our recommendations.

Step 5 - Published Audit Report

Boiling down results and findings into an easy-to-read report tailored to the project. Our audit reports highlight resolved issues and any risks that exist to the project or its users, along with any remaining suggested remediation measures. Diagrams are included at the end of

each report to help users understand the interactions which occur within the project.

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HackSafe was commissioned by SHOPX to perform an audit of smart contracts:

https://etherscan.io/token/0x7bef710a5759d197ec0bf621c3df802c2d60d848#code

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.



Contract Details

Token contract details for 21.03.2023

Token Type: DAPP

Contract name : ERC20

Contract address	: 0x7BEF710a5759d197EC0Bf621c3Df802C2D60D848
Total supply	: 500,000,000
Token ticker	: SHOPX
Decimals	: 18
Token holders	: 9,121
Transactions count	: 86,428
Compiler version	: v0.7.3+commit.9bfce1f6

Contract deployer : 0x24ed05c234aa2caf4503d737348e580f18479316 **address**

owner address : 0x24eD05c234aa2CaF4503D737348e580f18479316



Audit Summary

According to the standard audit assessment, Customer`s solidity smart contracts are **"Secure".** This token contract does contain owner control, which do not make it fully decentralized.

Insecure

Poor secured

Secure

Well-secured



We used various tools like Slither, Mythril and Remix IDE. At the same time this finding is based on critical analysis of the manual audit. All issues found during automated analysis were manually reviewed and applicable vulnerabilities are presented in the issues checking status.

We found 0 critical, 0 high, 0 medium and 0 low.



SHOPX TOKEN Distribution

The top 100 holders collectively own 91.07% (455,368,998.21 Tokens) of SHOPX

Token Total Supply: 500,000,000.00 Token | Total Token Holders: 9,121

SHOPX Top 100 Token Holders

Source: Etherscan.io

OTHER ACCOUNTS

0x7009adfacbabc81b72f1df98a44f841b40637351 0x7ff78b7e5969586088c38fc417fc9ca9669401fc 0x983873529f95132bd1812a3b52c98fb271d2f679 0x8c85c9dc39386f510c2450163f9f9383a05fb7dc 0xcad7d976fd6570a8783bd51de236fe15563e6b80 0xdbae897f0d2ee0233389bc751777991f60ca6e02 0x479dc68424668dcfdf70e078471ff9d184b9e0dc 0x88da47fc43572bcdd781f2d7883aec314aa17e5c

0x7f41846b68cbb6102b5d4fdb3e88677a5c879801

SHOPX Token Top 20 Token Holders

(A total of 455,368,998.21 tokens held by the top 100 accounts from the total supply of 500,000,000.00 token)

Rank Address Quantity (Token)

Percentage

1	0x7f41845C879801 🗘	281,599,738.978661569968689444	56.3199%
2	Cx88dA474AA17E5c	30,736,994.056289684113683641	6.1474%
3	0x479dc684b9e0dc C	18,456,335.346337014203156981	3.6913%
4	0xDBAE8960Ca6E02 C	15,000,000	3.000%
5	OxcAD7D9563e6b80 C	10,000,000	2.000%
6	0x8c85c9A05fb7DC	6,797,383.761888712535622938	1.3595%
7	0x98387371d2f679 🗗	6,262,820.85863382548972595	1.2526%
8	Cx7ff78b669401Fc	5,470,700.65046518863924311	1.0941%
9	0x7009AD40637351 🕩	5,176,403.253364880872201849	1.0353%
10	Gate.io 🖸	4,906,285.802761556343637402	0.9813%
11	Ox4de558d6460a2f	4,723,963.089802130898029833	0.9448%
12	0xD266d652c998D6 [4,309,157.916416837722966837	0.8618%
13	Oxd05E893A39B2a6 C	3,293,646.061985730588873461	0.6587%
14	Uniswap V2: SHOPX 2 🗘	3,082,267.000610679607473813	0.6165%

15	MEXC: Mexc.com 🗗	2,991,279.813675623046354654	0.5983%
16	0x1e1F0D0C5f67d9	2,250,000	0.4500%
17	CxA069690BC761D1	1,821,428.57142857	0.3643%
18	0x9877ca92379111 🕩	1,603,755.692797110505113459	0.3208%
19	0xe8b4BF23566519 🖸	1,600, <mark>456.9064</mark> 83683728662848	0.3201%
20	0xEA0a9d1B50B187 C	1,500,000	0.3000%

SHOPX TOKEN Distribution

SHOPX Contract Overview

Time Series: Token Contract Overview

Wed 31, Mar 2021 - Mon 20, Mar 2023

Token Contract 0x7bef710a5759d197ec0bf621c3df802c2d60d848 (SHOPX) Source: Etherscan.io

Zoom 1m 6m 1y All

Mar 23, 2021 → Mar 20, 2023

2000M

12k



Transfer Amount --- Transfers Count --- Unique Receivers --- Unique Senders --- Total Uniques



Contract functions details

+Owned

- -<constructor> #
- -[Pub] transferOwnership #
 - -modifiers: onlyOwner
- -[Pub] acceptOwnership #

-modifiers: onlyPendingOwner

+IERC20

- -[Ext] totalSupply
- -[Ext] balanceOf
- -[Ext] transfer
- -[Ext] allowance
- -[Ext] approve
- -[Ext] transferFrom

+ERC20 (IERC20, Owned)

- -<constructor>
- -[Pub] totalSupply
- -[Pub] balanceOf
- -[Pub] transfer #
- -[Pub] allowance
- -[Pub] approve #
- -[Pub] transferFrom #
- -[Pub] increaseAllowance #
- -[Pub] decreaseAllowance #
- -[Int] _transfer #
- -[Int] _mint #
 - -modifiers: onlyOwner
- -[Int] _approve #
- -[Int] _beforeTokenTransfer #
- -[Pub] name
- -[Pub] symbol
- -[Pub] decimals
- -[Pub] cap
- (\$) = payable function# = non-constant function

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Issues Checking Status

No.	Title	Status
1.	Compiler error	Passed
2.	Missing Input Validation	Passed
3.	Race conditions and Reentrancy. Cross-function race conditions.	Passed
4.	Possible delays in data delivery	Passed

5.	Oracle calls.	Passed
6.	Timestamp dependence.	Passed
7.	Integer Overflow and Underflow	Passed
8.	DoS with Revert.	Passed
9.	DoS with block gas limit.	Passed
10.	Methods execution permissions.	Passed
11.	Economy model of the contract.	Passed
12.	Private use data leaks.	Passed
13.	Malicious Event log.	Passed
14.	Scoping and Declarations.	Passed
		_

15.

Passed

Passed

Passed

Passed

Passed

Passed

- Uninitialized storage pointers.
- Arithmetic accuracy. 16.
- Design Logic. 17.
- Safe Open Zeppelin contracts implementation and usage. 18.
- Incorrect Naming State Variable 19.
- Too old version 20.



Severity Definitions

Risk Level	Description
Critical	Critical vulnerabilities are usually straightforward to exploit and can lead to assets loss or data manipulations.
High	High-level vulnerabilities are difficult to exploit; however, they also have a significant impact on smart contract execution, e.g., public access to crucial functions
Medium	Medium-level vulnerabilities are important to fix; however, they can't lead to assets loss or data manipulations.
Low	Low-level vulnerabilities are mostly related to outdated, unused, etc. code snippets that can't have a significant impact on execution.



Security Issues

Critical Severity Issues

No critical severity issue found.

High Severity Issues

No high severity issue found.

Medium Severity Issues

No medium severity issue found.

Low Severity Issues

No low severity issue found.



Centralization

Owner Privileges :

- SHOPX Contract:
 - Owner can mint.

This smart contract has some functions which can be executed by the admin (Owner) only. If

the admin wallet private key would be compromised, then it would create trouble as smart contract ownership has not been renounced.Following are the owner functions:

• _mint



Conclusion

Smart contract contains no medium severity issues! The further transfer and operations with the fund raised are not related to this particular contract.

HackSafe note: 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.

