



Cyberscope

Audit Report

# Lanco - Decentralized Freelancing Platform

Aug 2023

Network    BSC

Address    0x76A54979363E2a4B9910E9b1593620242838B280

Audited by    © cyberscope

# Analysis

● Critical   ● Medium   ● Minor / Informative   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

## Diagnostics

“All the findings have been addressed in the previous iterations.”

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## Review

Contract Name	Lanco
Compiler Version	v0.8.20+commit.a1b79de6
Optimization	200 runs
Explorer	<a href="https://bscscan.com/address/0x76a54979363e2a4b9910e9b1593620242838b280">https://bscscan.com/address/0x76a54979363e2a4b9910e9b1593620242838b280</a>
Address	0x76a54979363e2a4b9910e9b1593620242838b280
Network	BSC
Symbol	\$LANC
Decimals	18
Total Supply	1,000,000,000

## Audit Updates

Initial Audit	31 Jul 2023 <a href="https://github.com/cyberscope-io/audits/blob/main/lanc/v1/audit.pdf">https://github.com/cyberscope-io/audits/blob/main/lanc/v1/audit.pdf</a>
Corrected Phase 2	07 Aug 2023 <a href="https://github.com/cyberscope-io/audits/blob/main/lanc/v2/audit.pdf">https://github.com/cyberscope-io/audits/blob/main/lanc/v2/audit.pdf</a>
Corrected Phase 3	11 Aug 2023

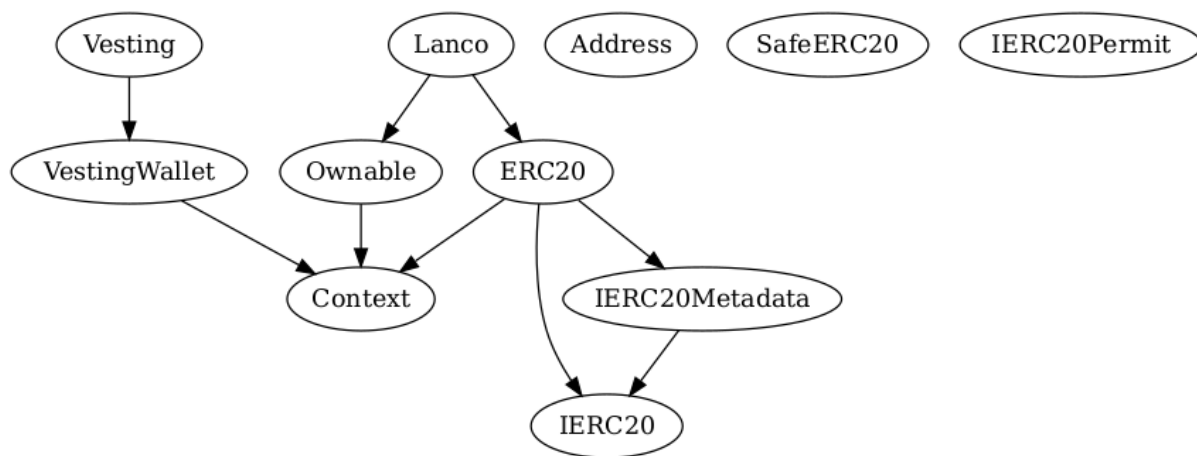
## Source Files

Filename	SHA256
<b>src/Vesting.sol</b>	a212a9b7352682b53bdd1968d0fd057542 6f32e3934bbeb95d34f2f52a869c3e
<b>src/LancToken.sol</b>	b50fff2f3fc82dc56af0f6d68749ce6fa03cb d193ecbac76bbfad80e72a32b89
<b>@openzeppelin/contracts/utils/Context.sol</b>	1458c260d010a08e4c20a4a517882259a2 3a4baa0b5bd9add9fb6d6a1549814a
<b>@openzeppelin/contracts/utils/Address.sol</b>	8b85a2463eda119c2f42c34fa3d942b61ae e65df381f48ed436fe8edb3a7d602
<b>@openzeppelin/contracts/token/ERC20/IERC20.sol</b>	7ebde70853ccafcf1876900dad458f46eb9 444d591d39bfc58e952e2582f5587
<b>@openzeppelin/contracts/token/ERC20/ERC20.sol</b>	d20d52b4be98738b8aa52b5bb0f88943f6 2128969b33d654fbca731539a7fe0a
<b>@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol</b>	c8309ed2c1c7edf52a23833798c9450770 2248debfc4ed1f645e571e3c230f8b
<b>@openzeppelin/contracts/token/ERC20/extensions/IERC20Permit.sol</b>	b7383c48331f3cc9901fc05e5d5830fcd53 3699a77f3ee1e756a98681bfbb2ee
<b>@openzeppelin/contracts/token/ERC20/extensions/IERC20Metadata.sol</b>	af5c8a77965cc82c33b7ff844deb9826166 689e55dc037a7f2f790d057811990
<b>@openzeppelin/contracts/finance/VestingWallet.sol</b>	c9f8d2f9404b4c16465cf6db64cbdd9cdde 5a7a1083a768bd9e5b94dcfad5b0
<b>@openzeppelin/contracts/access/Ownable.sol</b>	a8e4e1ae19d9bd3e8b0a6d46577eec098c 01fbaffd3ec1252fd20d799e73393b

## Functions Analysis

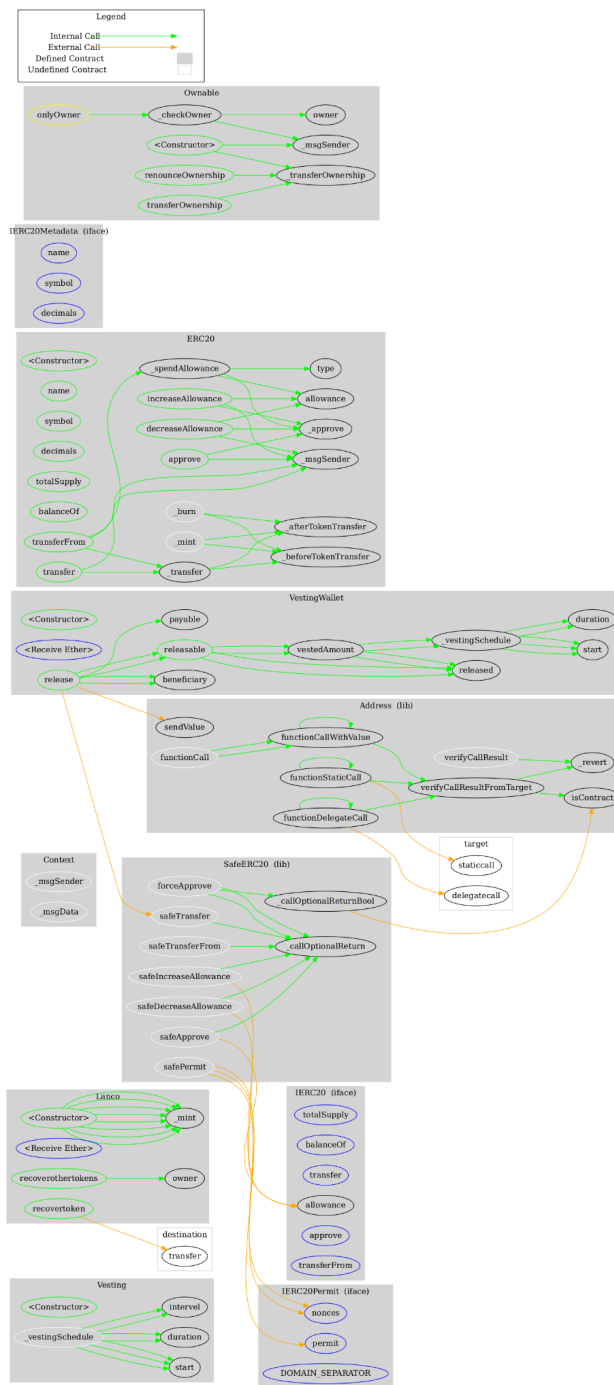
Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>Vesting</b>	Implementation	VestingWallet		
		Public	Payable	VestingWallet
	interval	Public		-
	_vestingSchedule	Internal		
<b>Lanco</b>	Implementation	ERC20, Ownable		
		Public	✓	-
		External	Payable	-
	recoverothertokens	Public	✓	onlyOwner
	recovertoken	Public	✓	onlyOwner

## Inheritance Graph





# Flow Graph



## Summary

Lanco - Decentralized Freelancing Platform. contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements.

Lanco - Decentralized Freelancing Platform. is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors or critical issues. The Contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions.

## Disclaimer

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Blockchain technology and cryptographic assets present a high level of ongoing risk. Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security. Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis. Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives, false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

## About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



**The Cyberscope team**

<https://www.cyberscope.io>