



Cyberscope

# Audit Report

## **HyperDex**

March 2024

Network    ETH

Address    0x79ad65d956096DF6219E49cBa0De1b98DA15b916

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

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## Review

Contract Name	HyperDex
Compiler Version	v0.8.24+commit.e11b9ed9
Optimization	200 runs
Explorer	<a href="https://etherscan.io/address/0x79ad65d956096df6219e49cba0de1b98da15b916">https://etherscan.io/address/0x79ad65d956096df6219e49cba0de1b98da15b916</a>
Address	0x79ad65d956096df6219e49cba0de1b98da15b916
Network	ETH
Symbol	HYP
Decimals	18
Total Supply	200,000,000
Badge Eligibility	Yes




## Audit Updates

Initial Audit	08 Mar 2024
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## Source Files

Filename	SHA256
HyperDex.sol	c8ceeb4db2b253cb3e8ac85821eb08d8f0606ce91e793d010e9f1ae701779c1c

## Findings Breakdown

Severity		Unresolved	Acknowledged	Resolved	Other
	Critical	0	0	0	0
	Medium	0	0	0	0
	Minor / Informative	0	0	0	0

## Functions Analysis

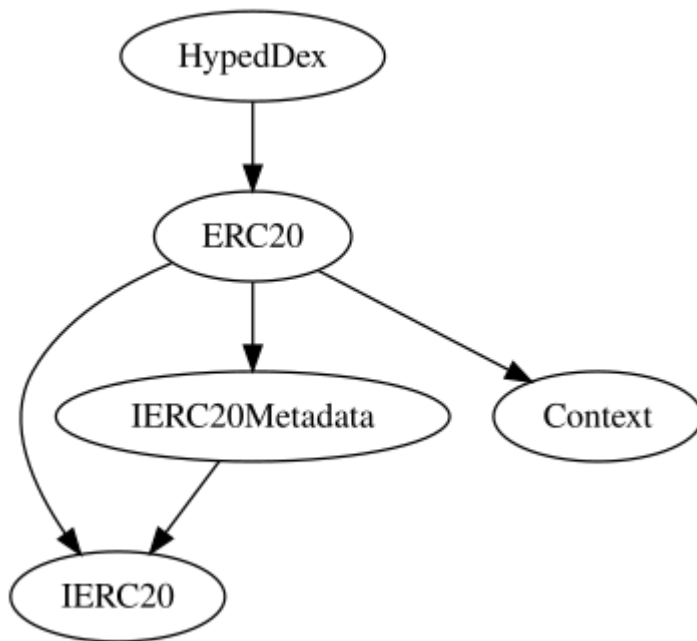
Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>IERC20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
<b>IERC20Metadata</b>	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
<b>Context</b>	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
	_contextSuffixLength	Internal		

ERC20	Implementation	Context, IERC20, IERC20Meta data		
		Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
	_spendAllowance	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
HyperDex	Implementation	ERC20		

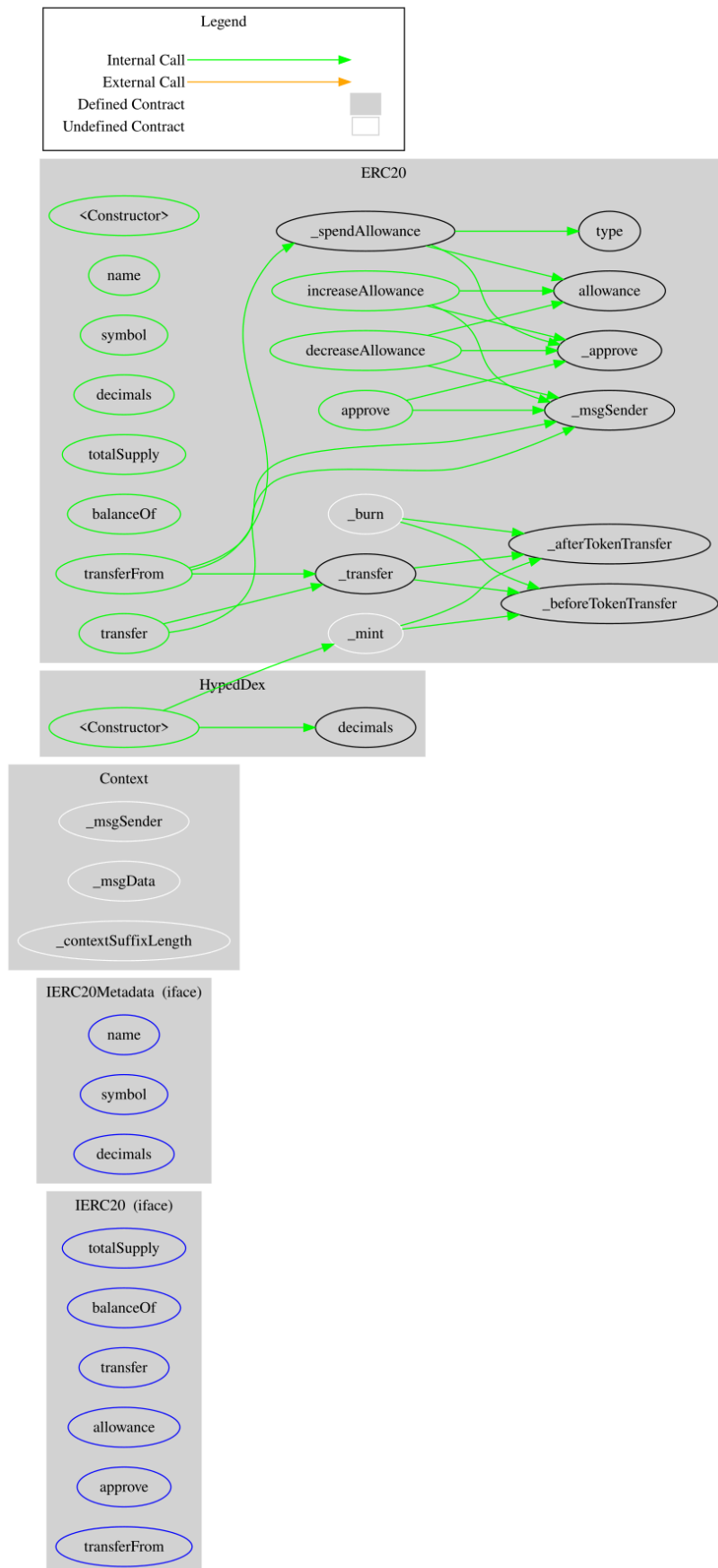
		Public	✓	ERC20
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## Inheritance Graph



# Flow Graph



## Summary

HyperDex contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. HyperDex is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error 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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# 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>