



Cyberscope

# Audit Report

## **Fantom AI**

March 2024

Network    ETH

Address    0xe939454423fEd8d2AEBA4A869B8C547022ab7EA2

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	FantomAI
Compiler Version	v0.8.24+commit.e11b9ed9
Optimization	200 runs
Explorer	<a href="https://etherscan.io/address/0xe939454423fed8d2aeba4a869b8c547022ab7ea2">https://etherscan.io/address/0xe939454423fed8d2aeba4a869b8c547022ab7ea2</a>
Address	0xe939454423fed8d2aeba4a869b8c547022ab7ea2
Network	ETH
Symbol	FAAI
Decimals	18
Total Supply	23,000,000
Badge Eligibility	Yes




## Audit Updates

Initial Audit	06 Mar 2024
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## Source Files

Filename	SHA256
FantomAI.sol	230ed4721eb678074394bd23732f48de0b37879dea8cce93f7f27c5c8f4b639

## 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>Context</b>	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
<b>Ownable</b>	Implementation	Context		
		Public	✓	-
	owner	Public		-
	_checkOwner	Internal		
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
<b>IERC20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-

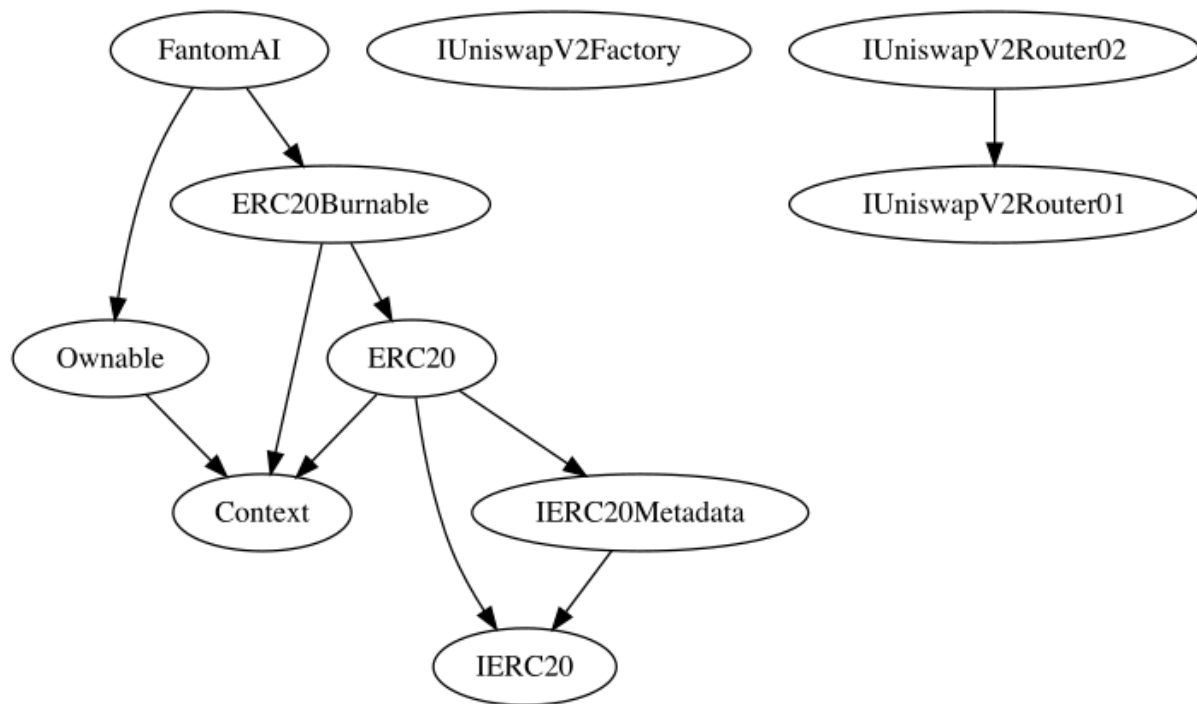
<b>IERC20Metadata</b>	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
<b>ERC20</b>	Implementation	Context, IERC20, IERC20Meta data		
		Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	

	_approve	Internal	✓	
	_spendAllowance	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
<b>ERC20Burnable</b>	Implementation	Context, ERC20		
	burn	Public	✓	-
	burnFrom	Public	✓	-
<b>IUniswapV2Factory</b>	Interface			
	createPair	External	✓	-
	getPair	External		-
<b>IUniswapV2Router01</b>	Interface			
	factory	External		-
	WETH	External		-
	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
<b>IUniswapV2Router02</b>	Interface	IUniswapV2 Router01		
	swapExactTokensForTokensSupportingFeeOnTransferTokens	External	✓	-
	swapExactETHForTokensSupportingFeeOnTransferTokens	External	Payable	-

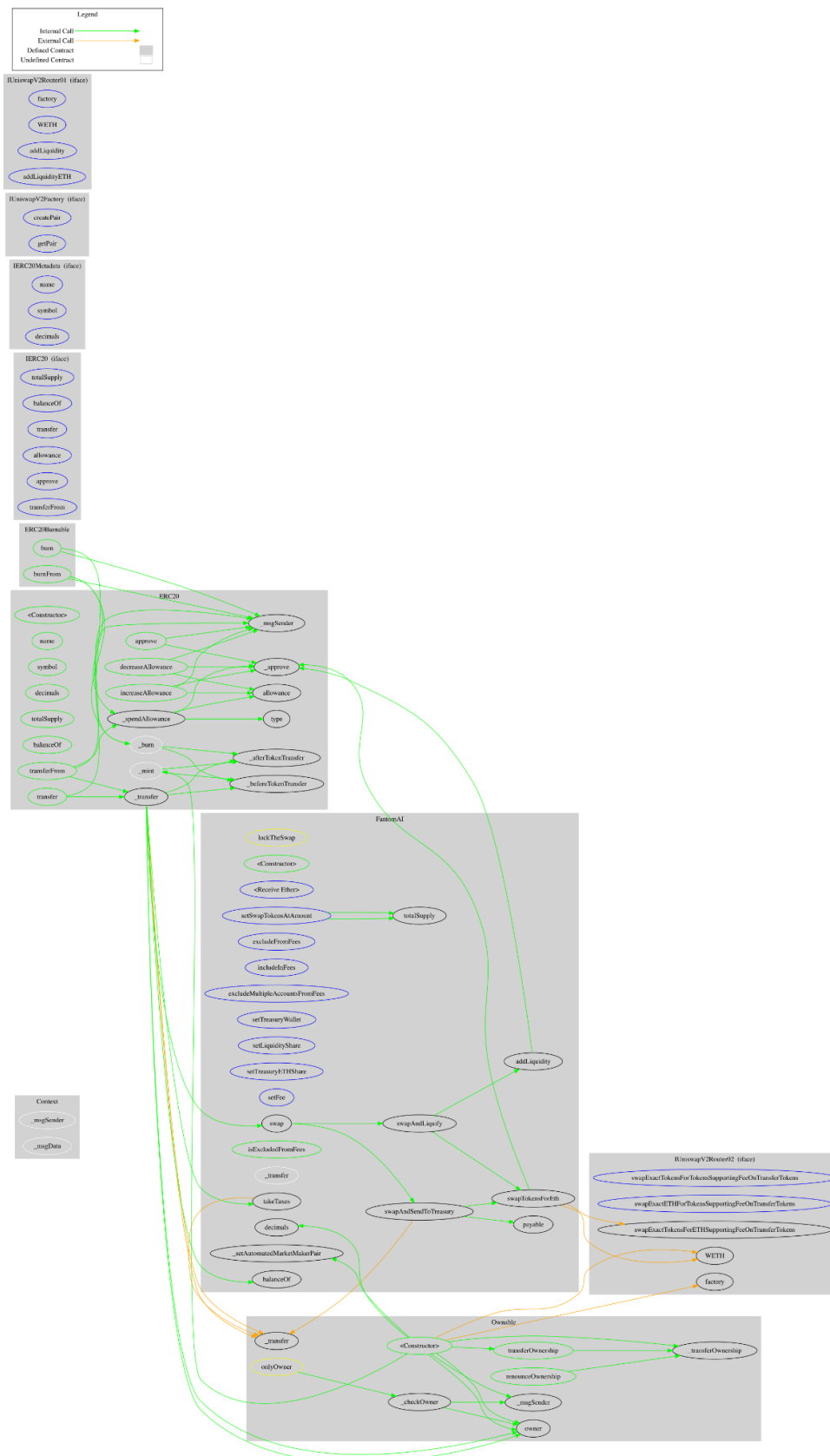


	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
<b>FantomAI</b>	Implementation	ERC20Burnable, Ownable		
		Public	✓	ERC20
		External	Payable	-
	setSwapTokensAtAmount	External	✓	onlyOwner
	excludeFromFees	External	✓	onlyOwner
	includeInFees	External	✓	onlyOwner
	excludeMultipleAccountsFromFees	External	✓	onlyOwner
	setTreasuryWallet	External	✓	onlyOwner
	setLiquidityShare	External	✓	onlyOwner
	setTreasuryETHShare	External	✓	onlyOwner
	setFee	External	✓	onlyOwner
	_setAutomatedMarketMakerPair	Private	✓	
	isExcludedFromFees	Public		-
	_transfer	Internal	✓	
	takeTaxes	Private	✓	
	swap	Private	✓	lockTheSwap
	swapAndLiquify	Private	✓	
	swapTokensForEth	Private	✓	
	addLiquidity	Private	✓	
	swapAndSendToTreasury	Private	✓	

## Inheritance Graph



## Flow Graph



## Summary

Fantom AI contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. Fantom AI 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. There is also a limit of max 20% fees.

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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>