



Cyberscope

Audit Report

Monkey Shit Inu

June 2024

Network ETH

Address 0x2Be8e422cb4A5A7f217a8F1b0658952a79132F28

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

● Critical ● Medium ● Minor / Informative

Severity	Code	Description	Status
●	MEE	Missing Events Emission	Unresolved
●	L19	Stable Compiler Version	Unresolved

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Review

Contract Name	MSIToken
Compiler Version	v0.8.23+commit.f704f362
Optimization	200 runs
Explorer	https://etherscan.io/address/0x2be8e422cb4a5a7f217a8f1b0658952a79132f28
Address	0x2Be8e422cb4A5A7f217a8F1b0658952a79132F28
Network	ETH
Symbol	\$MSI
Decimals	18
Total Supply	3,000,000,000,000
Badge Eligibility	Yes

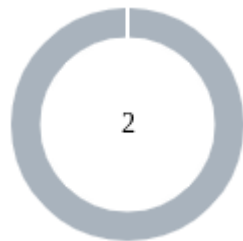
Audit Updates

Initial Audit	14 Jun 2024
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Source Files

Filename	SHA256
contracts/errors.sol	cc3c970d7d5833744d978712c28c3e39a95aafa0124992e4945113665359a810
contracts/MSIToken.sol	9431bf9ee3b29b62b76fea2b8cc1524b7179abbc22df2015f36ac16143b99b50

Findings Breakdown



● Critical	0
● Medium	0
● Minor / Informative	2

Severity	Unresolved	Acknowledged	Resolved	Other
● Critical	0	0	0	0
● Medium	0	0	0	0
● Minor / Informative	2	0	0	0

MEE - Missing Events Emission

Criticality	Minor / Informative
Location	contracts/MSIToken.sol#L125
Status	Unresolved

Description

The contract performs actions and state mutations from external methods that do not result in the emission of events. Emitting events for significant actions is important as it allows external parties, such as wallets or dApps, to track and monitor the activity on the contract. Without these events, it may be difficult for external parties to accurately determine the current state of the contract.

```
function changeTaxWallet(address newTaxWallet) external  
onlyOwner isZeroAddress(newTaxWallet) {  
    taxWallet = newTaxWallet;  
}
```

Recommendation

It is recommended to include events in the code that are triggered each time a significant action is taking place within the contract. These events should include relevant details such as the user's address and the nature of the action taken. By doing so, the contract will be more transparent and easily auditable by external parties. It will also help prevent potential issues or disputes that may arise in the future.

L19 - Stable Compiler Version

Criticality	Minor / Informative
Location	contracts/MSIToken.sol#L2
Status	Unresolved

Description

The `^` symbol indicates that any version of Solidity that is compatible with the specified version (i.e., any version that is a higher minor or patch version) can be used to compile the contract. The version lock is a mechanism that allows the author to specify a minimum version of the Solidity compiler that must be used to compile the contract code. This is useful because it ensures that the contract will be compiled using a version of the compiler that is known to be compatible with the code.

```
pragma solidity ^0.8.23;
```

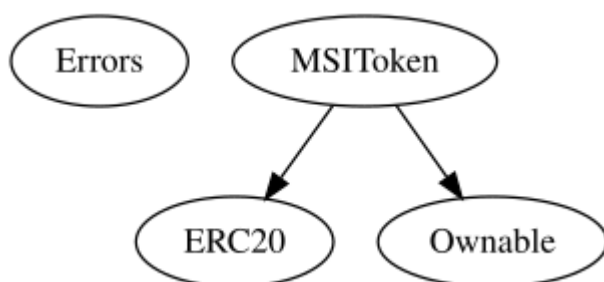
Recommendation

The team is advised to lock the pragma to ensure the stability of the codebase. The locked pragma version ensures that the contract will not be deployed with an unexpected version. An unexpected version may produce vulnerabilities and undiscovered bugs. The compiler should be configured to the lowest version that provides all the required functionality for the codebase. As a result, the project will be compiled in a well-tested LTS (Long Term Support) environment.

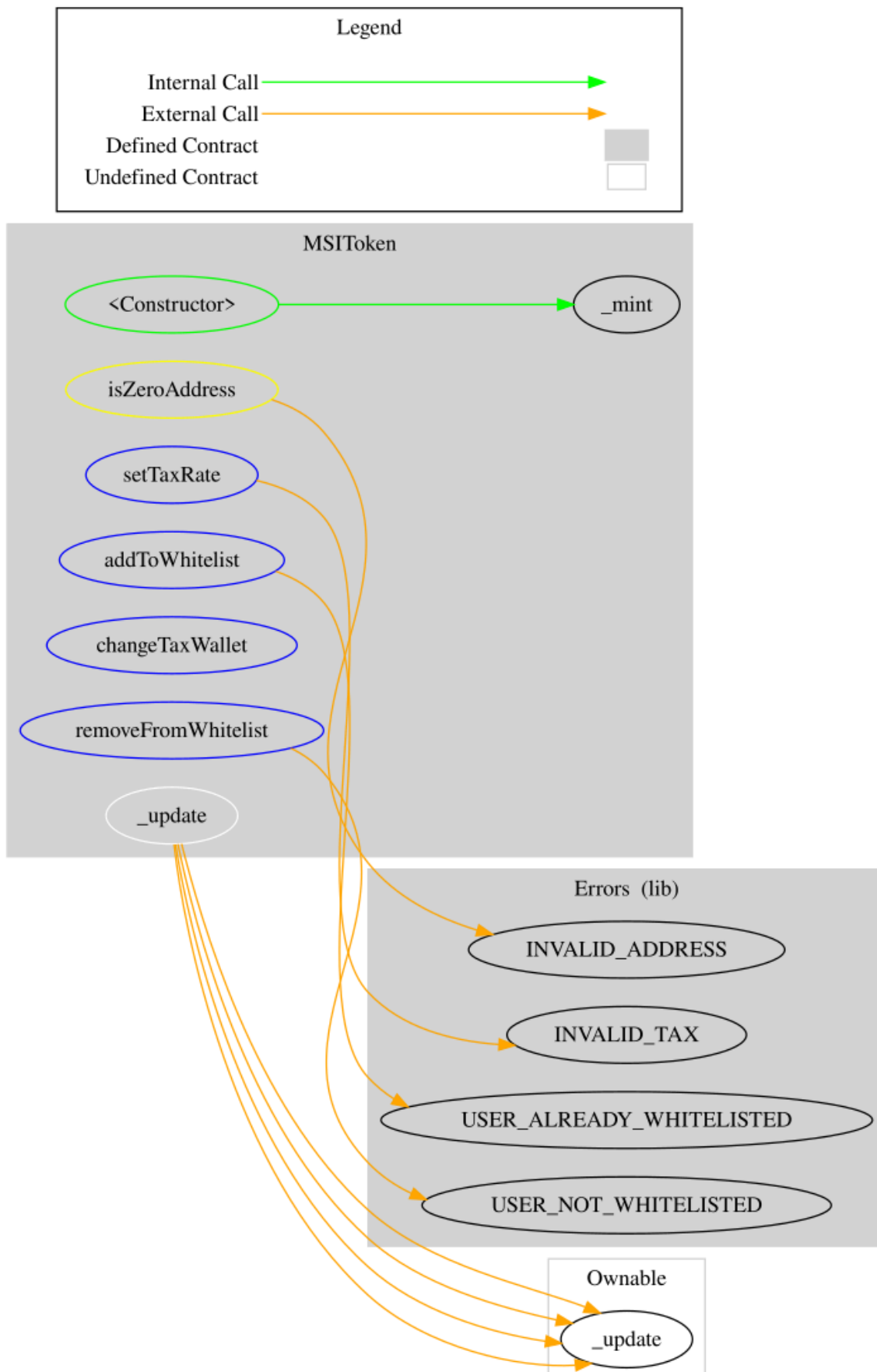
Functions Analysis

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
MSIToken	Implementation	ERC20, Ownable		
		Public	✓	isZeroAddress isZeroAddress ERC20 Ownable
	_update	Internal	✓	
	setTaxRate	External	✓	onlyOwner
	changeTaxWallet	External	✓	onlyOwner isZeroAddress
	addToWhitelist	External	✓	onlyOwner isZeroAddress
	removeFromWhitelist	External	✓	onlyOwner isZeroAddress

Inheritance Graph



Flow Graph



Summary

Monkey Shit Inu contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. Monkey Shit Inu 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. There is also a limit of max 10% fees.

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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>