Cyberscope

Audit Report

ArchieNeko

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Network	Archie
Address	0x9000688B5C45b9a37e89C33D9033C9073d1913f7
Audited by	© cyberscope

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Review

Audit Updates

Contract Name	Wrapped ARC
Compiler Version	v0.8.6+commit.11564f7e
Optimization	200 runs
Explorer	https://app.archiescan.io/address/0x9000688b5c45b9a37e89c33d9033c9073d1913f7
Address	0x9000688B5C45b9a37e89C33D9033C9073d1913f7
Network	ARCHIE
Symbol	WARC
Decimals	18
Balance	2,784,283,016.895377699296829638 ARC

Source Files

Filename	SHA256
WARC.sol	cd89fc1ded9612d8b502c8f896244df1e93153355911f7f393e0712cecde1036

Findings Breakdown

Critical	0
Medium	0
Minor / Informative	1

Severity	Unresolved	Acknowledged	Resolved	Other
Critical	0	0	0	0
Medium	0	0	0	0
Minor / Informative	1	0	0	0

Analysis

Critical Medium Minor / Informative Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OCTD	Transfers Contract's Tokens	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	ULTW	Transfers Liquidity to Team Wallet	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

Diagnostics

Critical Medium Minor / Informative

Severity	Code	Description	Status
●	L02	State Variables could be Declared Constant	Unresolved

L02 - State Variables could be Declared Constant

Criticality	Minor / Informative
Location	WARC.sol#L6,7,8
Status	Unresolved

Description

State variables can be declared as constant using the constant keyword. This means that the value of the state variable cannot be changed after it has been set. Additionally, the constant variables decrease gas consumption of the corresponding transaction.

```
string public name = "Wrapped ARC"
string public symbol = "WARC"
uint8 public decimals = 18
```

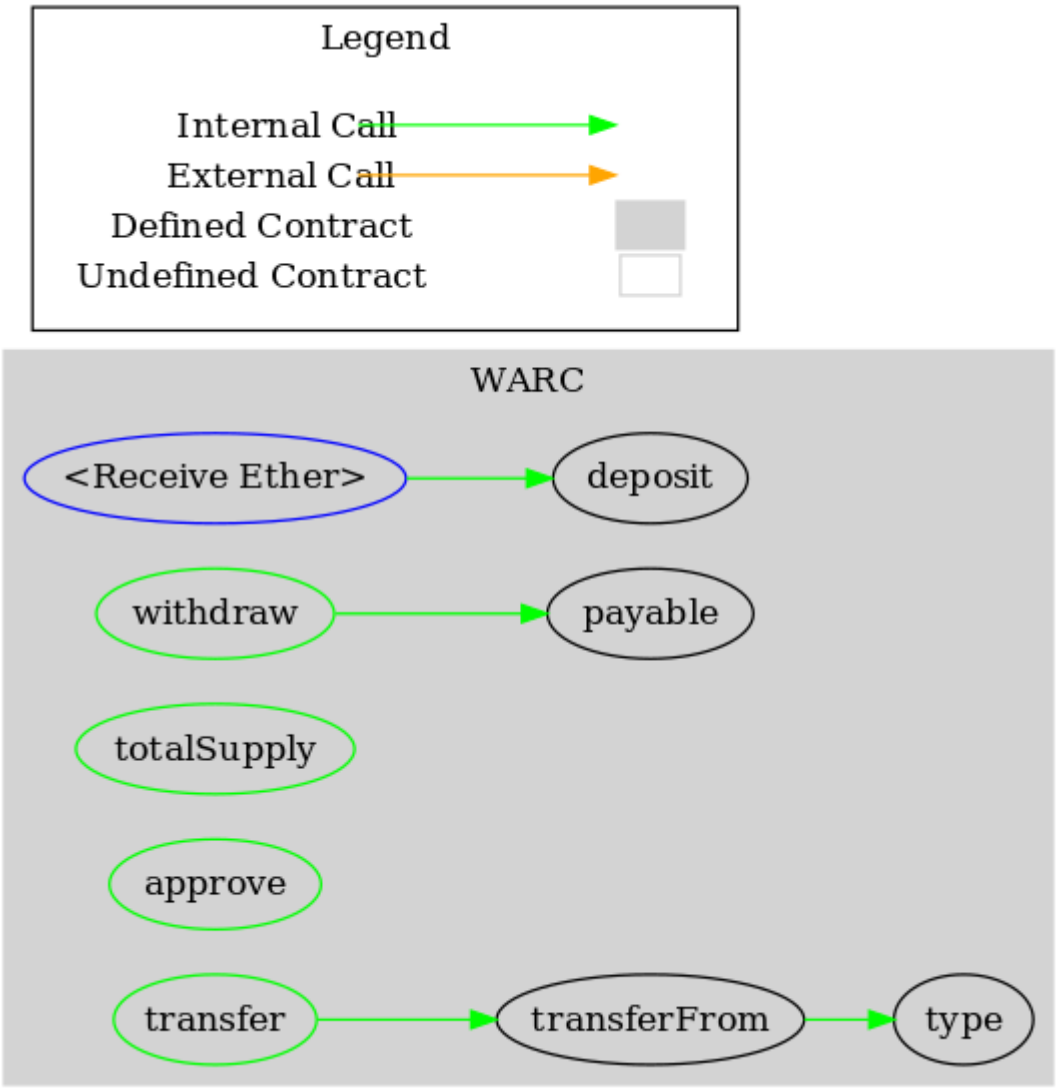
Recommendation

Constant state variables can be useful when the contract wants to ensure that the value of a state variable cannot be changed by any function in the contract. This can be useful for storing values that are important to the contract's behavior, such as the contract's address or the maximum number of times a certain function can be called. The team is advised to add the constant keyword to state variables that never change.

Functions Analysis

Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
WARC	Implementation			
		External	Payable	-
	deposit	Public	Payable	-
	withdraw	Public	✓	-
	totalSupply	Public		-
	approve	Public	✓	-
	transfer	Public	✓	-
	transferFrom	Public	✓	-

Flow Graph


Legend
Internal Call
External Call
Defined Contract
Undefined Contract
WARC
<Receive Ether>
deposit
withdraw
payable
totalSupply
approve
transfer
transferFrom
type

Summary

WARC contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements.

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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

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