Cyberscope

Audit Report

FrontFanz

November 2022

Type	ERC20
Network	MATIC
Address	0x124C31a823CDf7CD391aDAEE4aA32455eB3E76Ca
Audited by	© cyberscope

Table of Contents

Contract Review

Contract Name	FrontFanz
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	None
Explorer	https://polygonscan.com/token/0x124C31a823CDf7CD391aDAEE4aA32455eB3E76Ca
Symbol	FANZ
Decimals	18
Total Supply	500,000,000
Domain	frontfanz.com

Source Files

Filename	SHA256
contract.sol	9c2a9c6d3d56bc528b6e3d259bfcd3ec27d3ccbcb930b9062023810355e7e194

Audit Updates

Initial Audit	5th November 2022
Corrected	

Contract Roles

The contract contains a mint and a blacklisting functionality but it has renounced the ownership. Hence the abovementioned functionalities are not effective anymore.

Renounce of mint role

https://polygonscan.com/tx/0xb53094388ea9655a1bf3fb7217538b217e623d5c5e52ad2eac8845fe017ea4a7

Renounce of blacklist role

https://polygonscan.com/tx/0x2f00af3621c399a64b69196a0d6b5ae240c7bb10ae4f4e75ed1fd50b5c1ab282

Renounce of contract owner

https://polygonscan.com/tx/0xdc98f5ec41e838f597d4d145beb20caa70da089f6294191abfd5ef92d7af9831

Contract 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

Contract Diagnostics

● Critical   ● Medium   ● Minor / Informative

Severity	Code	Description	Status
●	L04	Conformance to Solidity Naming Conventions	Unresolved
●	L15	Local Scope Variable Shadowing	Unresolved

L04 - Conformance to Solidity Naming Conventions

Criticality	minor / informative
Location	contract.sol#L826,881,840,818,892,835
Status	Unresolved

Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
_account
_amount
_newBlacklister
_newMinter
_to
```

Recommendation

Follow the Solidity naming convention.
https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions.

L15 - Local Scope Variable Shadowing

Criticality	minor / informative
Location	contract.sol#L858
Status	Unresolved

Description

The are variables that are defined in the local scope containing the same name from an upper scope.

```
_name
_symbol
```

Recommendation

The local variables should have different names from the upper scoped variables.

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IERC20Metada ta	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
SafeMath	Library			
	tryAdd	Internal		
	trySub	Internal		
	tryMul	Internal		
	tryDiv	Internal		
	tryMod	Internal		
	add	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	mod	Internal		

	sub	Internal		
	div	Internal		
	mod	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
ERC20	Implementation	Context, IERC20, IERC20Metadata		
	<Constructor>	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	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
ERC20Burnable	Implementation	Context, ERC20		
	burn	Public	✓	-
	burnFrom	Public	✓	-

Blacklistable	Implementation	Ownable		
	isBlacklisted	External		-
	blacklist	External	✓	onlyBlacklister
	unBlacklist	External	✓	onlyBlacklister
	updateBlacklister	External	✓	onlyOwner
FrontFanz	Implementation	ERC20Burnable, Blacklistable		
	<Constructor>	Public	✓	ERC20
	mint	Public	✓	onlyMinter notBlacklisted notBlacklisted
	updateMinter	External	✓	onlyOwner
	approve	Public	✓	notBlacklisted notBlacklisted
	transferFrom	Public	✓	notBlacklisted notBlacklisted notBlacklisted
	transfer	Public	✓	notBlacklisted notBlacklisted

Contract Flow

Domain Info

Domain Name	frontfanz.com
Registry Domain ID	2640246655_DOMAIN_COM-VRSN
Creation Date	2021-09-11T04:06:29Z
Updated Date	2022-09-12T06:00:22Z
Registry Expiry Date	2023-09-11T04:06:29Z
Registrar WHOIS Server	whois.godaddy.com
Registrar URL	https://www.godaddy.com
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain was created about 1 year before the creation of the audit. It will expire in 10 months.

There is no public billing information, the creator is protected by the privacy settings.

Summary

FrontFanz 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.

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The Cyberscope team

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