Cyberscope

Audit Report

My Crypto Pixels

May 2022

Type	ERC20
Network	AVAX
Address	0x6b17a43902a9eC233234424E0A62f12D34bDE06f
Audited by	© cyberscope

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Contract Review

Contract Name	MyCryptoPixelsFinalTest
Compiler Version	v0.8.13+commit.abaa5c0e
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0x6b17a43902a9eC233234424E0A62f12D34bDE06f
Symbol	MCP
Decimals	18
Total Supply	500,000,000
Domain	mycryptopixels.com

Source Files

Filename	**SHA256**
contract.sol	dd65588bafb259a302107637b3f5a91ae77bf14eb698911ed3b64072bad4cf23

Audit Updates

Initial Audit	26th May 2022
Corrected	6th June 2022

Contract Analysis

Critical Medium Minor Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

Contract Diagnostics

Critical Medium Minor

Severity	Code	Description
	L01	Public Function could be Declared External

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L58,66,305,313,337,344,356,379,401,424,444,641,656,673,677

Description

Public functions that are never called by the contract should be declared external to save gas.

```
unpause
pause
burnFrom
burn
decreaseAllowance
increaseAllowance
transferFrom
approve
transfer
...
```

Recommendation

Use the external attribute for functions never called from the contract.

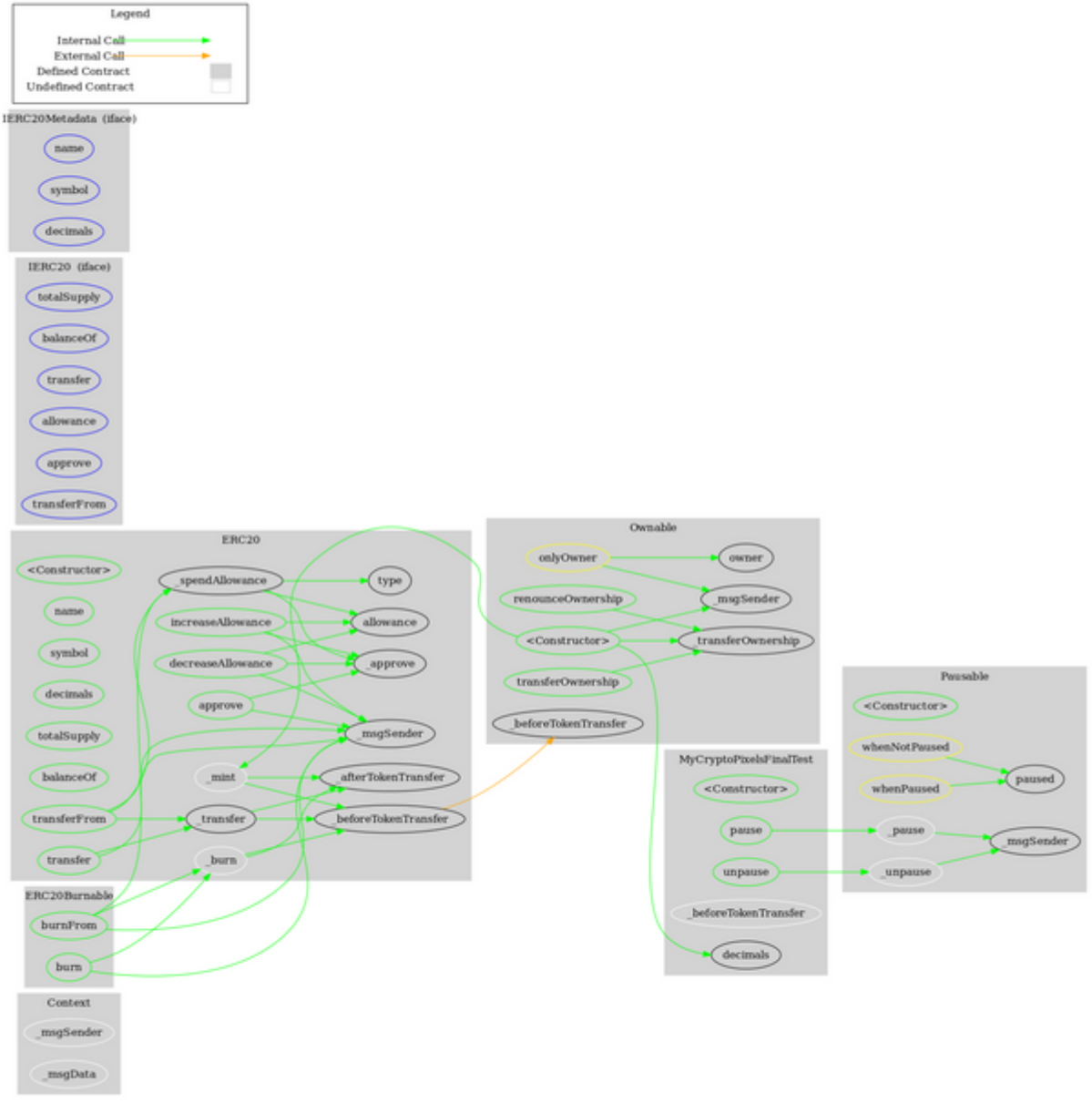
Contract Functions

Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
Pausable	Implementation	Context		
	<Constructor>	Public	✓	-
	paused	Public		-
	_pause	Internal	✓	whenNotPaused
	_unpause	Internal	✓	whenPaused
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IERC20Metadata	Interface	IERC20		
	name	External		-

	symbol	External		-
	decimals	External		-
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	✓	
	_spendAllowance	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
ERC20Burnable	Implementation	Context, ERC20		
	burn	Public	✓	-
	burnFrom	Public	✓	-
MyCryptoPixelsFinalTest	Implementation	ERC20, ERC20Burnable, Pausable, Ownable		

	<Constructor>	Public	✓	ERC20
	pause	Public	✓	onlyOwner
	unpause	Public	✓	onlyOwner
	_beforeTokenTransfer	Internal	✓	whenNotPaused

Contract Flow



Domain Info

Domain Name	mycryptopixels.com
Registry Domain ID	2608221418_DOMAIN_COM-VRSN
Creation Date	2021-04-28T04:05:56Z
Updated Date	2022-04-21T02:40:16Z
Registry Expiry Date	2023-04-28T04:05:56Z
Registrar WHOIS Server	whois.godaddy.com
Registrar URL	http://www.godaddy.com
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain has been created about 1 year before the creation of the audit. It will expire in 11 months.

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

Summary

My Crypto Pixels 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

https://www.cyberscope.io

Cyberscope

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My Crypto Pixels

May 2022

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Network	AVAX
Address	0xCDEfe28f5a691c4a6C3A3FCbbDFb1E783DE8440f
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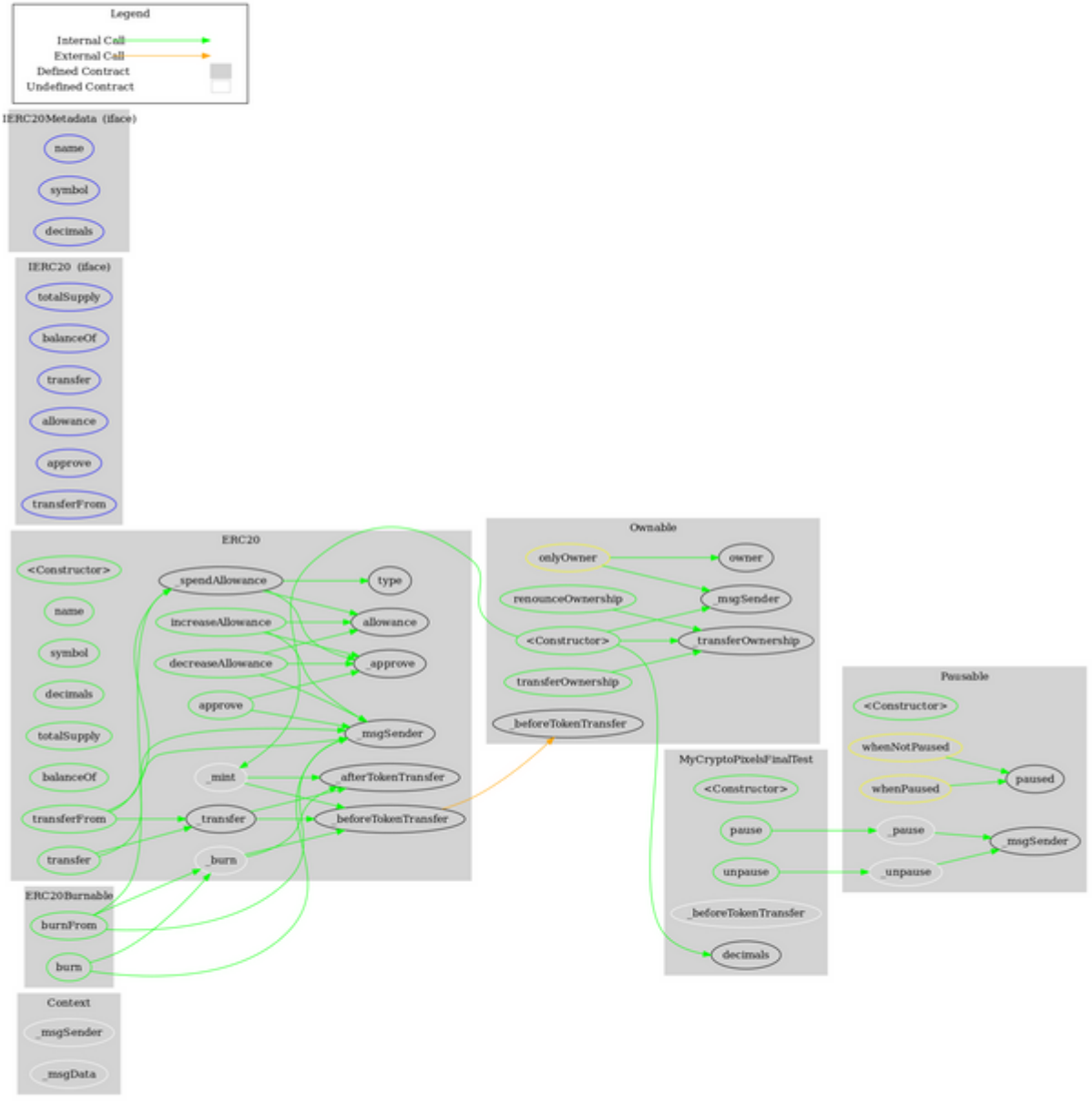
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	transfer	External	✓	-
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	approve	External	✓	-
	transferFrom	External	✓	-
IERC20Metadata	Interface	IERC20		
	name	External		-

	symbol	External		-
	decimals	External		-
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	✓	
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	_beforeTokenTransfer	Internal	✓	
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MyCryptoPixelsFinalTest	Implementation	ERC20, ERC20Burnable, Pausable, Ownable		

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