COINSCOPE

Audit Report

GLOBAL ANTI SCAM CRYPTO

January 2022

Type	BEP20
Network	BSC
Address	0x62bC448A508499fb54479CC7a6fA79C2D8f16cDe
Audited by	© coinscope

Table of Contents

Contract Review

Contract Name	Gasccoin
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	None
Explorer	https://bscscan.com/token/0x62bC448A508499fb54479CC7a6fA79C2D8f16cDe
Symbol	GASC
Decimals	9
Total Supply	100,000,000,000,000,000
Source	contract.sol
Domain	gasccoin.com

Audit Updates

Initial Audit	8th January 2022
Corrected	

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

OCTD - Owner Contract Tokens Drain

Criticality	critical
Location	https://bscscan.com/address/0x62bC448A508499fb54479CC7a6fA79C2D8f16c De#contracts#L388

Description

The contract owner has the authority to claim all the balance of the contract. The owner may take advantage of it by calling the `manualsend` function. The owner is also draining all the contract balance passively as 100% of the tokens accumulated gets split into marketing and dev wallets.

```
function manualsend() external {
    require(_msgSender() == _developmentAddress || _msgSender() ==
_marketingAddress || _msgSender() == owner());
    uint256 contractETHBalance = address(this).balance;
    sendETHToFee(contractETHBalance);
}
```

Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

Contract Diagnostics

● Critical ● Medium ● Minor

Severity	Code	Description
●	L01	Public Function could be Declared External
●	L02	State Variables could be Declared Constant
●	L05	Unused State Variable
●	L04	Conformance to Solidity Naming Conventions

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L405,L401,L390 and 13 more

Description

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

```
excludeMultipleAccountsFromFees
toggleSwap
setFee
...
```

Recommendation

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

L02 - State Variables could be Declared Constant

Criticality	minor
Location	contract.sol#L72

Description

Constant state variables should be declared constant to save gas.

```
_previousOwner
```

Recommendation

Add the constant attribute to state variables that never change.

L05 - Unused State Variable

Criticality	minor
Location	contract.sol#L130,L72

Description

There are segments that contain unused state variables.

```
Gasccoin
```

Recommendation

Remove unused state variables.

L04 - Conformance to Solidity Naming Conventions

Criticality	minor
Location	contract.sol#L153,L152,L151 and 9 more

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.

```
_decimals
_symbol
_name
...
```

## Recommendation

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

Contract Functions

Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
Context	Implementation			
	_msgSender	Internal		
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
Token	Interface			
	transferFrom	External	✓	-
	transfer	External	✓	-
SafeMath	Library			
	add	Internal		
	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner

	transferOwnership	Public	✓	onlyOwner
IUniswapV2Factory	Interface			
	createPair	External	✓	-
IUniswapV2Router02	Interface			
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
	factory	External		-
	WETH	External		-
	addLiquidityETH	External	Payable	-
Gasccoin	Implementation	Context, IERC20, Ownable		
	<Constructor>	Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	tokenFromReflection	Private		
	_approve	Private	✓	
	_transfer	Private	✓	
	swapTokensForEth	Private	✓	lockTheSwap
	sendETHToFee	Private	✓	
	_tokenTransfer	Private	✓	
	rescueForeignTokens	Public	✓	onlyDev
	setNewDevAddress	Public	✓	onlyDev
	setNewMarketingAddress	Public	✓	onlyDev
	_transferStandard	Private	✓	

_takeTeam	Private	✓	
_reflectFee	Private	✓	
<Receive Ether>	External	Payable	-
_getValues	Private		
_getTValues	Private		
_getRValues	Private		
_getRate	Private		
_getCurrentSupply	Private		
manualswap	External	✓	-
manualsend	External	✓	-
setFee	Public	✓	onlyDev
toggleSwap	Public	✓	onlyDev
excludeMultipleAccountsFromFees	Public	✓	onlyOwner

Contract Flow
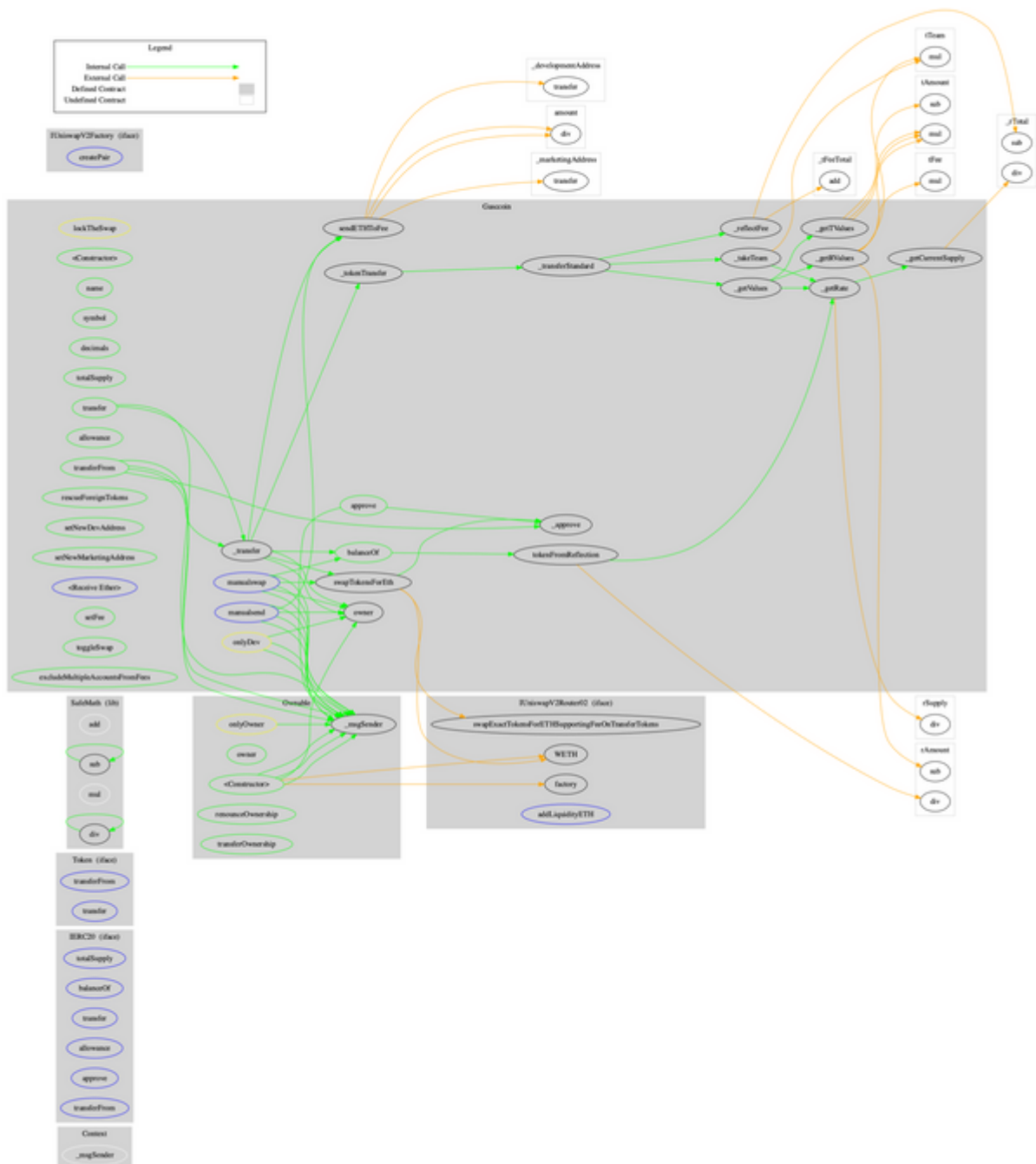
Domain Info

Domain Name	gasccoin.com
Registry Domain ID	2662237457_DOMAIN_COM-VRSN
Creation Date	2021-12-17T17:52:25Z
Updated Date	2021-12-17T17:52:26Z
Registry Expiry Date	2022-12-17T17:52:25Z
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 22 days 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

Global Anti Scam Crypto is an interesting project with a friendly and growing community. The smart contract analysis reported no compiler errors and only one critical issue. All the contract balance accumulated by fees on each transfer, is being sent to the marketing and development team. This means that every time the contract sells the accumulated tokens for BNB and then sends all the funds to the team. The owner can change fees, but there are limitations to how much he can set them. A multi-wallet signing pattern will provide security against potential hacks.

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The Coinscope.co team

https://www.coinscope.co