



Cyberscope

# Audit Report

## **GoMeat**

August 2022

Type ERC20

Network ETH

Address 0xFB1172b050BcC798e37AE8abF620Cc528e771162

Audited by © cyberscope

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## Contract Review

|                         |                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | GOMT                                                                                                                                                      |
| <b>Compiler Version</b> | v0.4.24+commit.e67f0147                                                                                                                                   |
| <b>Optimization</b>     | runs                                                                                                                                                      |
| <b>Licence</b>          | None                                                                                                                                                      |
| <b>Explorer</b>         | <a href="https://etherscan.io/token/0xfb1172b050bcc798e37ae8abf620cc528e771162">https://etherscan.io/token/0xfb1172b050bcc798e37ae8abf620cc528e771162</a> |
| <b>Symbol</b>           | GOMT                                                                                                                                                      |
| <b>Decimals</b>         | 8                                                                                                                                                         |
| <b>Total Supply</b>     | 5,000,000                                                                                                                                                 |
| <b>Domain 1</b>         | https://gomeat.io                                                                                                                                         |
| <b>Domain 2</b>         | https://orders.gomeatservices.com/en                                                                                                                      |

## Audit Updates

|                      |                 |
|----------------------|-----------------|
| <b>Initial Audit</b> | 6th August 2022 |
| <b>Corrected</b>     | 8th August 2022 |

## Source Files

| <b>Filename</b>     | <b>SHA256</b>                                                    |
|---------------------|------------------------------------------------------------------|
| <b>GoMeat.sol</b>   | ab1b4739b48e50ada0ec7e8a9f04f6a91437110d27fee012272aa9bd505289c6 |
| <b>SafeMath.sol</b> | 2b1319d5a41da14aa7659842543e98f2455f6cde6d58859a92ebdb29b67271ab |

# Introduction

GoMeat is a marketplace leveraging blockchain technology, connecting consumers with specialty retail meat stores that primarily offer fresh Halal and Kosher meat products such as red meat, poultry and seafood.

## Tokens and Cross-Chain Bridge

The GoMeat tokens were created on the Ethereum chain and they will be locked in the Hydra Ethereum cross-chain bridge. As a result the total supply on both sides will always be the same 5 Million. That means that the GoMeat tokens can only be swapped from Hydra to ethereum and vice versa. There are no separate circulations for each side.

Each bridge swap mandates 7 on-chain transactions. An example of a HYDRA -> ETH transaction:

- Lockup transaction that effectively moves the collateral funds into the bridge vault -> happens on HYDRA side
- 5 votes to the bridge contract on the minting side -> In this example happens on Ethereum side
- A subsequent execute vote, after the consensus is met in previous step -> On Ethereum side

And conversely an opposing setup for ETH -> HYDRA

- HYDRA-> ETH = 1 HYDRA transaction + 6 Ethereum transactions
- ETH -> HYDRA = 1 ETH transaction + 6 HYDRA transactions

More info about the Hydra Bridge on [this link](#)

More information about the flow on [this link](#)

# 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 |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L09  | Dead Code Elimination                      |

## L01 - Public Function could be Declared External

**Criticality**

minor

**Location**

GoMeat.sol#L130

### Description

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

fallback

### Recommendation

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

## L04 - Conformance to Solidity Naming Conventions

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| <b>Criticality</b> | minor                                                    |
| <b>Location</b>    | GoMeat.sol#L60,82,108,12,24<br><br>SafeMath.sol#L9,16,22 |

### 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.

```
_y  
_x  
totalSupply  
standard  
_value  
_spender  
_to  
_from  
...
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>.

## L09 - Dead Code Elimination

**Criticality**

minor

**Location**

SafeMath.sol#L22

### Description

Functions that are not used in the contract, and make the code's size bigger.

`safeMul`

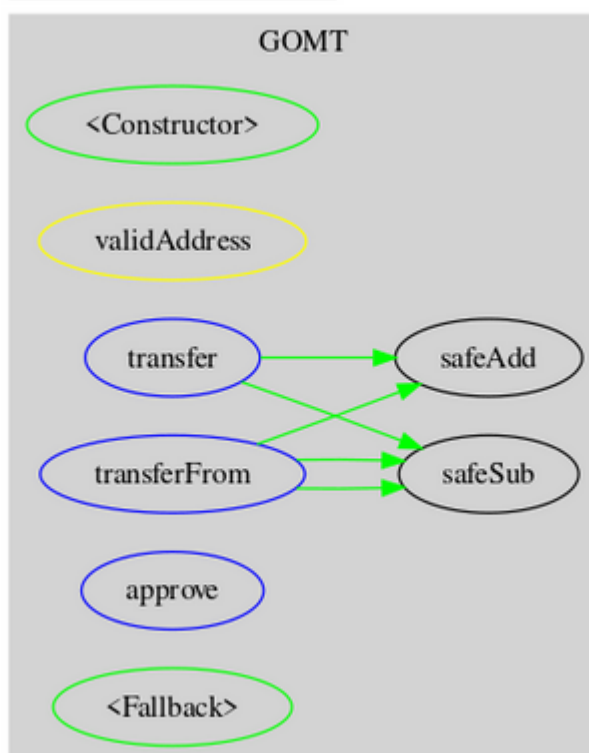
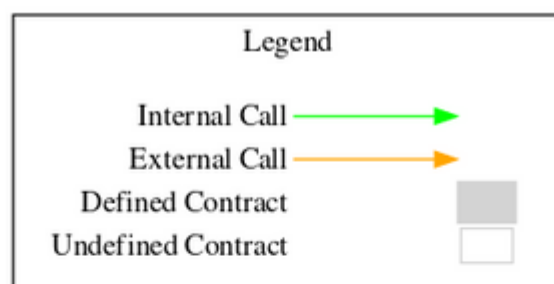
### Recommendation

Remove unused functions.

# Contract Functions

| Contract        | Type           | Bases      |            |                              |
|-----------------|----------------|------------|------------|------------------------------|
|                 | Function Name  | Visibility | Mutability | Modifiers                    |
|                 |                |            |            |                              |
| <b>GOMT</b>     | Implementation | SafeMath   |            |                              |
|                 | <Constructor>  | Public     | ✓          | -                            |
|                 | transfer       | External   | ✓          | validAddress                 |
|                 | transferFrom   | External   | ✓          | validAddress<br>validAddress |
|                 | approve        | External   | ✓          | validAddress                 |
|                 | <Fallback>     | Public     | Payable    | -                            |
|                 |                |            |            |                              |
| <b>SafeMath</b> | Implementation |            |            |                              |
|                 | <Constructor>  | Public     | ✓          | -                            |
|                 | safeAdd        | Internal   |            |                              |
|                 | safeSub        | Internal   |            |                              |
|                 | safeMul        | Internal   |            |                              |

# Contract Flow



## Domain Info Of GoMeat Token

|                               |                                                                     |
|-------------------------------|---------------------------------------------------------------------|
| <b>Domain Name</b>            | gomeat.io                                                           |
| <b>Registry Domain ID</b>     | 4584c0bb2f9a4f0e9e9dee77f884bfa1-DONUTS                             |
| <b>Creation Date</b>          | 2020-10-03T07:00:22Z                                                |
| <b>Updated Date</b>           | 2022-02-22T23:40:11Z                                                |
| <b>Registry Expiry Date</b>   | 2022-10-03T07:00:22Z                                                |
| <b>Registrar WHOIS Server</b> | whois.namecheap.com                                                 |
| <b>Registrar URL</b>          | <a href="https://www.namecheap.com/">https://www.namecheap.com/</a> |
| <b>Registrar</b>              | NameCheap, Inc.                                                     |
| <b>Registrar IANA ID</b>      | 1068                                                                |

The domain has been created in about 2 months before the creation of the audit.

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

## Domain Info Of GoMeat Ordering Website

|                               |                            |
|-------------------------------|----------------------------|
| <b>Domain Name</b>            | gomeatservices.com         |
| <b>Registry Domain ID</b>     | 2263506932_DOMAIN_COM-VRSN |
| <b>Creation Date</b>          | 2018-05-14T22:10:07.00Z    |
| <b>Updated Date</b>           | 2020-10-16T04:17:50.00Z    |
| <b>Registry Expiry Date</b>   | 2023-05-14T22:10:07.00Z    |
| <b>Registrar WHOIS Server</b> | whois.namecheap.com        |
| <b>Registrar URL</b>          | http://www.namecheap.com   |
| <b>Registrar</b>              | NAMECHEAP INC              |
| <b>Registrar IANA ID</b>      | 1068                       |

The domain has been created in 9 months before the creation of the audit.

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

## Summary

GoMeat 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.

The contract does not allow transfer to the zero address.

## Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

Cyberscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

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Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Cyberscope and Coinscope are aiming to make crypto discoverable and efficient globally. They provide all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>



Cyberscope

# Audit Report

## **GoMeat**

August 2022

SHA256     a9eb5dbbcb83ffffb8be21143d960c2d13d50455165d3c8e729fd36ca71c5cb7

Audited by   © cyberscope

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## Contract Review

|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | GOMT                                                                                                                                                    |
| <b>Compiler Version</b> | v0.4.24+commit.e67f0147                                                                                                                                 |
| <b>Optimization</b>     | 200 runs                                                                                                                                                |
| <b>Licence</b>          |                                                                                                                                                         |
| <b>Explorer</b>         | <a href="https://bscscan.com/token/0x127d53fd048AaC08c9b545f76b4cDCBe6C12e5eB">https://bscscan.com/token/0x127d53fd048AaC08c9b545f76b4cDCBe6C12e5eB</a> |
| <b>Symbol</b>           | GOMT                                                                                                                                                    |
| <b>Decimals</b>         | 8                                                                                                                                                       |
| <b>Total Supply</b>     | 5,000,000                                                                                                                                               |
| <b>Domain</b>           | gomeat.io                                                                                                                                               |

## Audit Updates

|                      |                 |
|----------------------|-----------------|
| <b>Initial Audit</b> | 6th August 2022 |
| <b>Corrected</b>     |                 |

## Source Files

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| <b>Filename</b>     | <b>SHA256</b>                                                    |
| <b>GOMT.sol</b>     | a9eb5dbbcb83ffffb8be21143d960c2d13d50455165d3c8e729fd36ca71c5cb7 |
| <b>SafeMath.sol</b> | 2b1319d5a41da14aa7659842543e98f2455f6cde6d58859a92ebdb29b67271ab |

# 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 |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L09  | Dead Code Elimination                      |

## L01 - Public Function could be Declared External

**Criticality**

minor

**Location**

contracts/GOMT.sol#L68

### Description

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

```
function () public payable
```

### Recommendation

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

## L04 - Conformance to Solidity Naming Conventions

**Criticality**

minor

**Location**

contracts/GOMT.sol#L33,44,57,9,15

contracts/SafeMath.sol#L9,16,22

### 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.

```
_y  
_x  
totalSupply  
standard  
_value  
_spender  
_to  
_from  
...
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>.

## L09 - Dead Code Elimination

**Criticality**

minor

**Location**

contracts/SafeMath.sol#L22

### Description

Functions that are not used in the contract, and make the code's size bigger.

`safeMul`

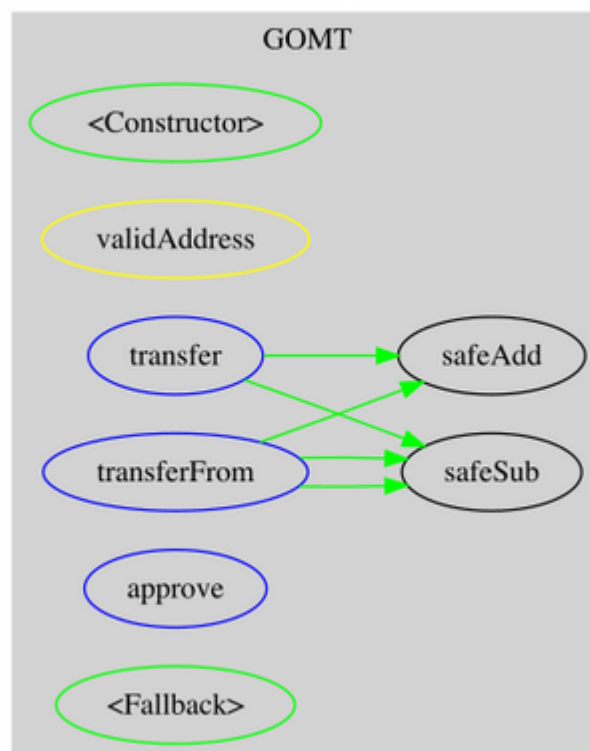
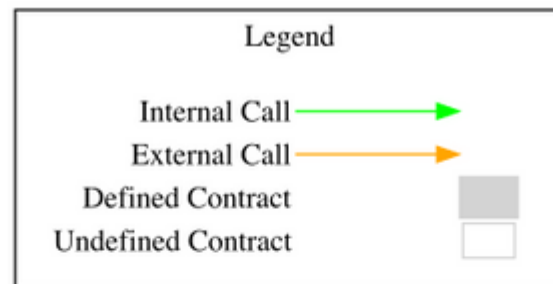
### Recommendation

Remove unused functions.

# Contract Functions

| Contract        | Type           | Bases      |            |                              |
|-----------------|----------------|------------|------------|------------------------------|
|                 | Function Name  | Visibility | Mutability | Modifiers                    |
|                 |                |            |            |                              |
| <b>GOMT</b>     | Implementation | SafeMath   |            |                              |
|                 | <Constructor>  | Public     | ✓          | -                            |
|                 | transfer       | External   | ✓          | validAddress                 |
|                 | transferFrom   | External   | ✓          | validAddress<br>validAddress |
|                 | approve        | External   | ✓          | validAddress                 |
|                 | <Fallback>     | Public     | Payable    | -                            |
|                 |                |            |            |                              |
| <b>SafeMath</b> | Implementation |            |            |                              |
|                 | <Constructor>  | Public     | ✓          | -                            |
|                 | safeAdd        | Internal   |            |                              |
|                 | safeSub        | Internal   |            |                              |
|                 | safeMul        | Internal   |            |                              |

# Contract Flow



## Domain Info

|                               |                                                                     |
|-------------------------------|---------------------------------------------------------------------|
| <b>Domain Name</b>            | gomeat.io                                                           |
| <b>Registry Domain ID</b>     | 4584c0bb2f9a4f0e9e9dee77f884bfa1-DONUTS                             |
| <b>Creation Date</b>          | 2020-10-03T07:00:22Z                                                |
| <b>Updated Date</b>           | 2022-02-22T23:40:11Z                                                |
| <b>Registry Expiry Date</b>   | 2022-10-03T07:00:22Z                                                |
| <b>Registrar WHOIS Server</b> | whois.namecheap.com                                                 |
| <b>Registrar URL</b>          | <a href="https://www.namecheap.com/">https://www.namecheap.com/</a> |
| <b>Registrar</b>              | NameCheap, Inc.                                                     |
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