



Cyberscope

# Audit Report

## **PINGOINU**

March 2022

Type           BEP20

Network       BSC

Address       0xcB29d02D0C7eDbEb7E0D701Eb72a354d02C14fC3

Audited by   © cyberscope

# Table of Contents

|                                                         |           |
|---------------------------------------------------------|-----------|
| <b>Table of Contents</b>                                | <b>1</b>  |
| <b>Contract Review</b>                                  | <b>2</b>  |
| <b>Audit Updates</b>                                    | <b>2</b>  |
| <b>Contract Analysis</b>                                | <b>3</b>  |
| <b>Contract Diagnostics</b>                             | <b>4</b>  |
| <b>L01 - Public Function could be Declared External</b> | <b>5</b>  |
| Description                                             | 5         |
| Recommendation                                          | 5         |
| <b>L02 - State Variables could be Declared Constant</b> | <b>6</b>  |
| Description                                             | 6         |
| Recommendation                                          | 6         |
| <b>L04 - Conformance to Solidity Naming Conventions</b> | <b>7</b>  |
| Description                                             | 7         |
| Recommendation                                          | 7         |
| <b>L09 - Dead Code Elimination</b>                      | <b>8</b>  |
| Description                                             | 8         |
| Recommendation                                          | 8         |
| <b>Contract Functions</b>                               | <b>9</b>  |
| <b>Contract Flow</b>                                    | <b>12</b> |
| <b>Domain Info</b>                                      | <b>13</b> |
| <b>Summary</b>                                          | <b>14</b> |
| <b>Disclaimer</b>                                       | <b>15</b> |
| <b>About Cyberscope</b>                                 | <b>16</b> |

## Contract Review

|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | Pingolnu                                                                                                                                                |
| <b>Compiler Version</b> | v0.8.0+commit.c7dfd78e                                                                                                                                  |
| <b>Optimization</b>     | 200 runs                                                                                                                                                |
| <b>Licence</b>          | None                                                                                                                                                    |
| <b>Explorer</b>         | <a href="https://bscscan.com/token/0xcB29d02D0C7eDbEb7E0D701Eb72a354d02C14fC3">https://bscscan.com/token/0xcB29d02D0C7eDbEb7E0D701Eb72a354d02C14fC3</a> |
| <b>Symbol</b>           | PINGO                                                                                                                                                   |
| <b>Decimals</b>         | 18                                                                                                                                                      |
| <b>Total Supply</b>     | 999,000,000,000,000                                                                                                                                     |
| <b>Source</b>           | contract.sol                                                                                                                                            |
| <b>Domain</b>           | pingoinu.com                                                                                                                                            |

## Audit Updates

|                      |                |
|----------------------|----------------|
| <b>Initial Audit</b> | 2nd March 2022 |
| <b>Corrected</b>     |                |

# 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 |
| ●        | L02  | State Variables could be Declared Constant |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L09  | Dead Code Elimination                      |

## L01 - Public Function could be Declared External

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                            |
| <b>Location</b>    | contract.sol#L456,464,531,535,539,543,547,552,557,561 and 8 more |

### Description

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

```
reflectionFromToken  
reflect  
totalFees  
isExcludedFromFee  
isExcluded  
decreaseAllowance  
increaseAllowance  
transferFrom  
approve  
...
```

### Recommendation

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

## L02 - State Variables could be Declared Constant

**Criticality**

minor

**Location**

contract.sol#L524,509,510,513,512

### Description

Constant state variables should be declared constant to save gas.

```
reflectFeePercentage  
marketFeePercentage  
_symbol  
_name  
_decimals
```

### Recommendation

Add the constant attribute to state variables that never change.

## L04 - Conformance to Solidity Naming Conventions

**Criticality**

minor

**Location**

contract.sol#L505,507

### 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.

```
marketWallet  
_tTotal
```

### Recommendation

Follow the Solidity naming convention.

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

## L09 - Dead Code Elimination

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                            |
| <b>Location</b>    | contract.sol#L269,279,298,312,358,368,331,341,220,244 and 4 more |

### Description

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

```
mod
_msgData
verifyCallResult
sendValue
isContract
functionStaticCall
functionDelegateCall
functionCallWithValue
functionCall
...
```

### Recommendation

Remove unused functions.

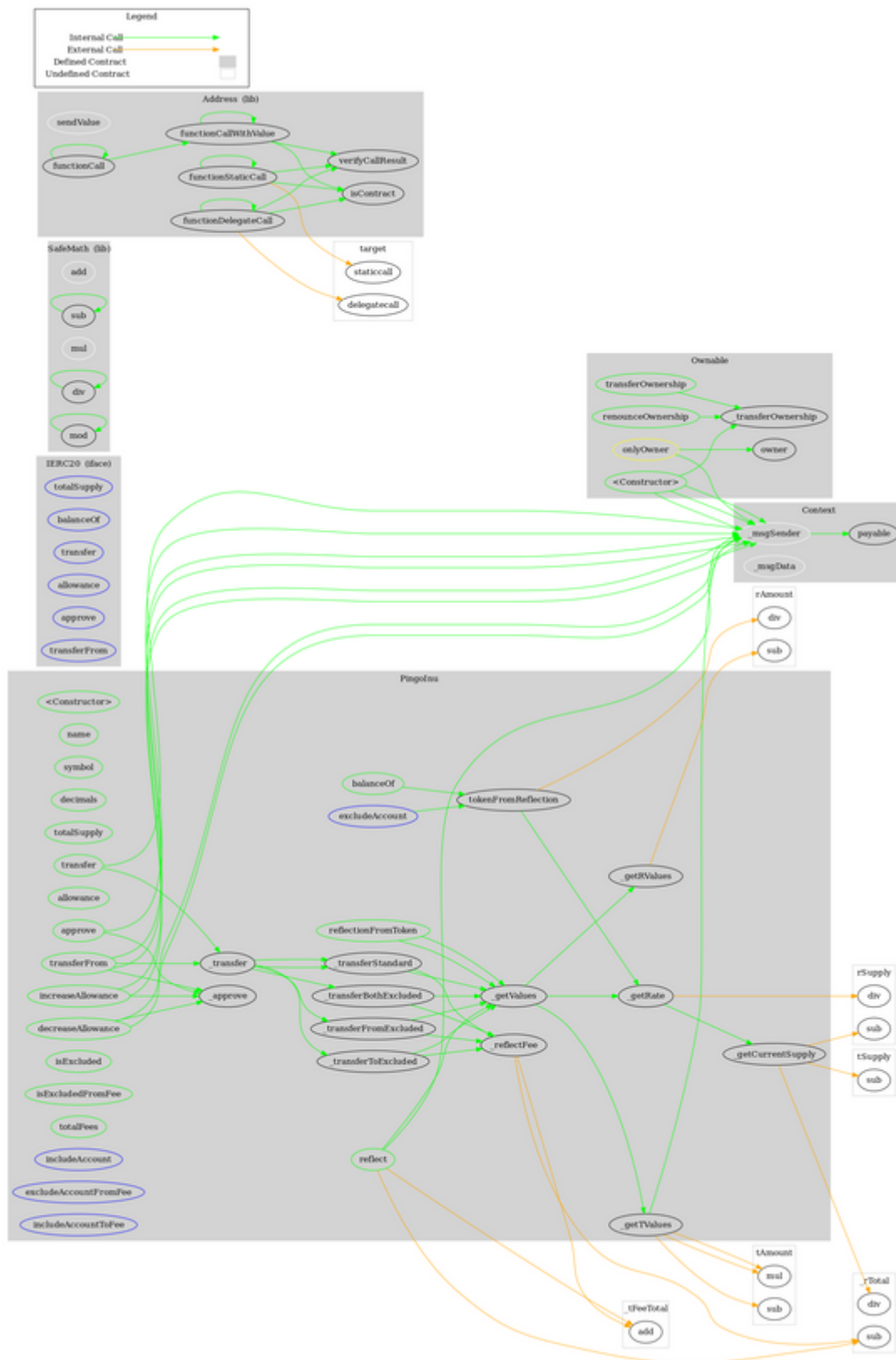
# Contract Functions

| Contract        | Type                  | Bases      |            |           |
|-----------------|-----------------------|------------|------------|-----------|
|                 | Function Name         | Visibility | Mutability | Modifiers |
|                 |                       |            |            |           |
| <b>Context</b>  | Implementation        |            |            |           |
|                 | _msgSender            | Internal   |            |           |
|                 | _msgData              | Internal   |            |           |
|                 |                       |            |            |           |
| <b>IERC20</b>   | Interface             |            |            |           |
|                 | totalSupply           | External   |            | -         |
|                 | balanceOf             | External   |            | -         |
|                 | transfer              | External   | ✓          | -         |
|                 | allowance             | External   |            | -         |
|                 | approve               | External   | ✓          | -         |
|                 | transferFrom          | External   | ✓          | -         |
|                 |                       |            |            |           |
| <b>SafeMath</b> | Library               |            |            |           |
|                 | add                   | Internal   |            |           |
|                 | sub                   | Internal   |            |           |
|                 | sub                   | Internal   |            |           |
|                 | mul                   | Internal   |            |           |
|                 | div                   | Internal   |            |           |
|                 | div                   | Internal   |            |           |
|                 | mod                   | Internal   |            |           |
|                 | mod                   | Internal   |            |           |
|                 |                       |            |            |           |
| <b>Address</b>  | Library               |            |            |           |
|                 | isContract            | Internal   |            |           |
|                 | sendValue             | Internal   | ✓          |           |
|                 | functionCall          | Internal   | ✓          |           |
|                 | functionCall          | Internal   | ✓          |           |
|                 | functionCallWithValue | Internal   | ✓          |           |
|                 | functionCallWithValue | Internal   | ✓          |           |

|                 |                      |                                |   |           |
|-----------------|----------------------|--------------------------------|---|-----------|
|                 | functionStaticCall   | Internal                       |   |           |
|                 | functionStaticCall   | Internal                       |   |           |
|                 | functionDelegateCall | Internal                       | ✓ |           |
|                 | functionDelegateCall | Internal                       | ✓ |           |
|                 | verifyCallResult     | Internal                       |   |           |
|                 |                      |                                |   |           |
| <b>Ownable</b>  | Implementation       | Context                        |   |           |
|                 | <Constructor>        | Public                         | ✓ | -         |
|                 | owner                | Public                         |   | -         |
|                 | renounceOwnership    | Public                         | ✓ | onlyOwner |
|                 | transferOwnership    | Public                         | ✓ | onlyOwner |
|                 | _transferOwnership   | Internal                       | ✓ |           |
|                 |                      |                                |   |           |
| <b>Pingoinu</b> | Implementation       | Context,<br>IERC20,<br>Ownable |   |           |
|                 | <Constructor>        | Public                         | ✓ | -         |
|                 | name                 | Public                         |   | -         |
|                 | symbol               | Public                         |   | -         |
|                 | decimals             | Public                         |   | -         |
|                 | totalSupply          | Public                         |   | -         |
|                 | balanceOf            | Public                         |   | -         |
|                 | transfer             | Public                         | ✓ | -         |
|                 | allowance            | Public                         |   | -         |
|                 | approve              | Public                         | ✓ | -         |
|                 | transferFrom         | Public                         | ✓ | -         |
|                 | increaseAllowance    | Public                         | ✓ | -         |
|                 | decreaseAllowance    | Public                         | ✓ | -         |
|                 | isExcluded           | Public                         |   | -         |
|                 | isExcludedFromFee    | Public                         |   | -         |
|                 | totalFees            | Public                         |   | -         |
|                 | reflect              | Public                         | ✓ | -         |
|                 | reflectionFromToken  | Public                         |   | -         |
|                 | tokenFromReflection  | Public                         |   | -         |
|                 | excludeAccount       | External                       | ✓ | onlyOwner |
|                 | includeAccount       | External                       | ✓ | onlyOwner |

|  |                       |          |   |           |
|--|-----------------------|----------|---|-----------|
|  | excludeAccountFromFee | External | ✓ | onlyOwner |
|  | includeAccountToFee   | External | ✓ | onlyOwner |
|  | _approve              | Private  | ✓ |           |
|  | _transfer             | Private  | ✓ |           |
|  | _transferStandard     | Private  | ✓ |           |
|  | _transferToExcluded   | Private  | ✓ |           |
|  | _transferFromExcluded | Private  | ✓ |           |
|  | _transferBothExcluded | Private  | ✓ |           |
|  | _reflectFee           | Private  | ✓ |           |
|  | _getValues            | Private  |   |           |
|  | _getTValues           | Private  |   |           |
|  | _getRValues           | Private  |   |           |
|  | _getRate              | Private  |   |           |
|  | _getCurrentSupply     | Private  |   |           |

# Contract Flow



## Domain Info

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| <b>Domain Name</b>            | pingoinu.com                                                      |
| <b>Registry Domain ID</b>     | 2673727112_DOMAIN_COM-VRSN                                        |
| <b>Creation Date</b>          | 2022-02-08T07:00:00Z                                              |
| <b>Updated Date</b>           | 2022-02-09T07:00:00Z                                              |
| <b>Registry Expiry Date</b>   |                                                                   |
| <b>Registrar WHOIS Server</b> | whois.namesilo.com                                                |
| <b>Registrar URL</b>          | <a href="https://www.namesilo.com/">https://www.namesilo.com/</a> |
| <b>Registrar</b>              | NameSilo, LLC                                                     |
| <b>Registrar IANA ID</b>      | 1479                                                              |

The domain has been created 22 days before the creation of the audit.

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

## Summary

PINGOINU claims to be a community driven token by crypto addicts. The Project 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. There are hardcoded fees of 6% total that can not be changed.

# 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.

The Cyberscope team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Cyberscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token.

The Cyberscope team disclaims any liability for the resulting losses.

# About Cyberscope

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

Cyberscope 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 provides all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>