



Cyberscope

## Audit Report

# Asuna Hentai

April 2022

Type       BEP20

Network    BSC

Address    0x106543a9d0407E06b5369Ac15AFbd6E999158640

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## Contract Review

|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | AsunaHentai                                                                                                                                             |
| <b>Compiler Version</b> | v0.6.12+commit.27d51765                                                                                                                                 |
| <b>Optimization</b>     | 200 runs                                                                                                                                                |
| <b>Licence</b>          | MIT                                                                                                                                                     |
| <b>Explorer</b>         | <a href="https://bscscan.com/token/0x106543a9d0407E06b5369Ac15AFbd6E999158640">https://bscscan.com/token/0x106543a9d0407E06b5369Ac15AFbd6E999158640</a> |
| <b>Symbol</b>           | ASUNA                                                                                                                                                   |
| <b>Decimals</b>         | 18                                                                                                                                                      |
| <b>Total Supply</b>     | 1,000,000,000,000,000                                                                                                                                   |
| <b>Domain</b>           | asunahentai.io                                                                                                                                          |

## Source Files

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| <b>Filename</b>     | <b>SHA256</b>                                                    |
| <b>contract.sol</b> | fff6c1ed7ea253c1bce91a9fac9865dbe1bc502aea8eefc8269427ba7c41e7db |

## Audit Updates

|                      |                 |
|----------------------|-----------------|
| <b>Initial Audit</b> | 28th April 2022 |
| <b>Corrected</b>     | 5th May 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                                                      |

## ST - Stop Transactions

|             |                           |
|-------------|---------------------------|
| Criticality | critical                  |
| Location    | contract.sol#L839,853,883 |

### Description

The contract owner has the authority to stop the sales for all users excluding the owner. The owner may take advantage of it by setting the `_sellAdvestisementFee` to a high value.

```
}else if(isSell){
    _taxFee = _sellTaxFee;
    _advestisementFee = _sellAdvestisementFee;
}
```

The contract owner has the authority to allow transactions only for specific users. The owner may take advantage of it by adding addresses to the `antibotModeWhitelist` and enabling the `isAntibotModeEnabled`

```
if (from == owner() || from == airdropContract) return;
require(antibotModeWhitelist[from] && antibotModeWhitelist[to], "Address not in
antibot mode whitelist");
```

The contract owner has the authority to stop transactions for all users excluding the owner. The owner may take advantage of it by setting the `_maxTxAmount` to zero.

```
if(from != owner() && to != owner())
    require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");
```

### Recommendation

The contract could embody a check for not allowing setting the `_maxTxAmount` less than a reasonable amount. A suggested implementation could check that the maximum amount should be more than a fixed percentage of the total supply.

The `antibotModeWhitelist` should not be able to be manipulated after the launch of the non-whitelist trading.

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.

## ELFM - Exceed Limit Fees Manipulation

|             |                   |
|-------------|-------------------|
| Criticality | critical          |
| Location    | contract.sol#L692 |

### Description

The contract owner has the authority to increase over the allowed limit of 25%. The owner may take advantage of it by calling the `setAdvestisementFeePercent` function with a high percentage value.

```
function setAdvestisementFeePercent(uint256 buyAdvestisementFee, uint256  
sellAdvestisementFee) external onlyOwner() {  
    _sellAdvestisementFee = sellAdvestisementFee;  
    _buyAdvestisementFee = buyAdvestisementFee;  
}
```

### Recommendation

The contract could embody a check for the maximum acceptable value.

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 |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L07  | Missing Events Arithmetic                  |
| ●        | L09  | Dead Code Elimination                      |

## L01 - Public Function could be Declared External

|                    |                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                                                                                         |
| <b>Location</b>    | contract.sol#L429,438,444,449,457,551,555,559,563,567,571,576,581,585,590,596,601,606,610,616,667,672,678,808,820,824,828,832 |

### Description

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

```
setAntibotModeWhitelist  
setAirdropContract  
turnOnAntibotMode  
turnOffAntibotMode  
isExcludedFromFee  
includeInFee  
manageAmmPairs  
excludeFromFee  
reflectionFromToken  
...
```

### Recommendation

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

## L02 - State Variables could be Declared Constant

**Criticality**

minor

**Location**

contract.sol#L502,500,501,496

### Description

Constant state variables should be declared constant to save gas.

```
_tTotal  
_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#L477,770,776,782,828,504,505,509,510,522,527

### 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.

```
_maxTxAmount  
_advestisementFee  
_sellAdvestisementFee  
_sellTaxFee  
_buyAdvestisementFee  
_buyTaxFee  
_airdropContract  
_amount  
WETH  
...
```

### Recommendation

Follow the Solidity naming convention.

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

## L07 - Missing Events Arithmetic

|                    |                               |
|--------------------|-------------------------------|
| <b>Criticality</b> | minor                         |
| <b>Location</b>    | contract.sol#L682,688,692,697 |

### Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
_maxTxAmount = _tTotal.mul(maxTxPercent).div(10 ** 3)
_sellAdvestisementFee = sellAdvestisementFee
_burnFee = fee
_buyTaxFee = buyTaxFee
```

### Recommendation

Emit an event for critical parameter changes.

## L09 - Dead Code Elimination

|                    |                                           |
|--------------------|-------------------------------------------|
| <b>Criticality</b> | minor                                     |
| <b>Location</b>    | contract.sol#L355,315,325,340,350,262,289 |

### Description

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

```
sendValue  
isContract  
functionCallWithValue  
functionCall  
_functionCallWithValue
```

### Recommendation

Remove unused functions.

# Contract Functions

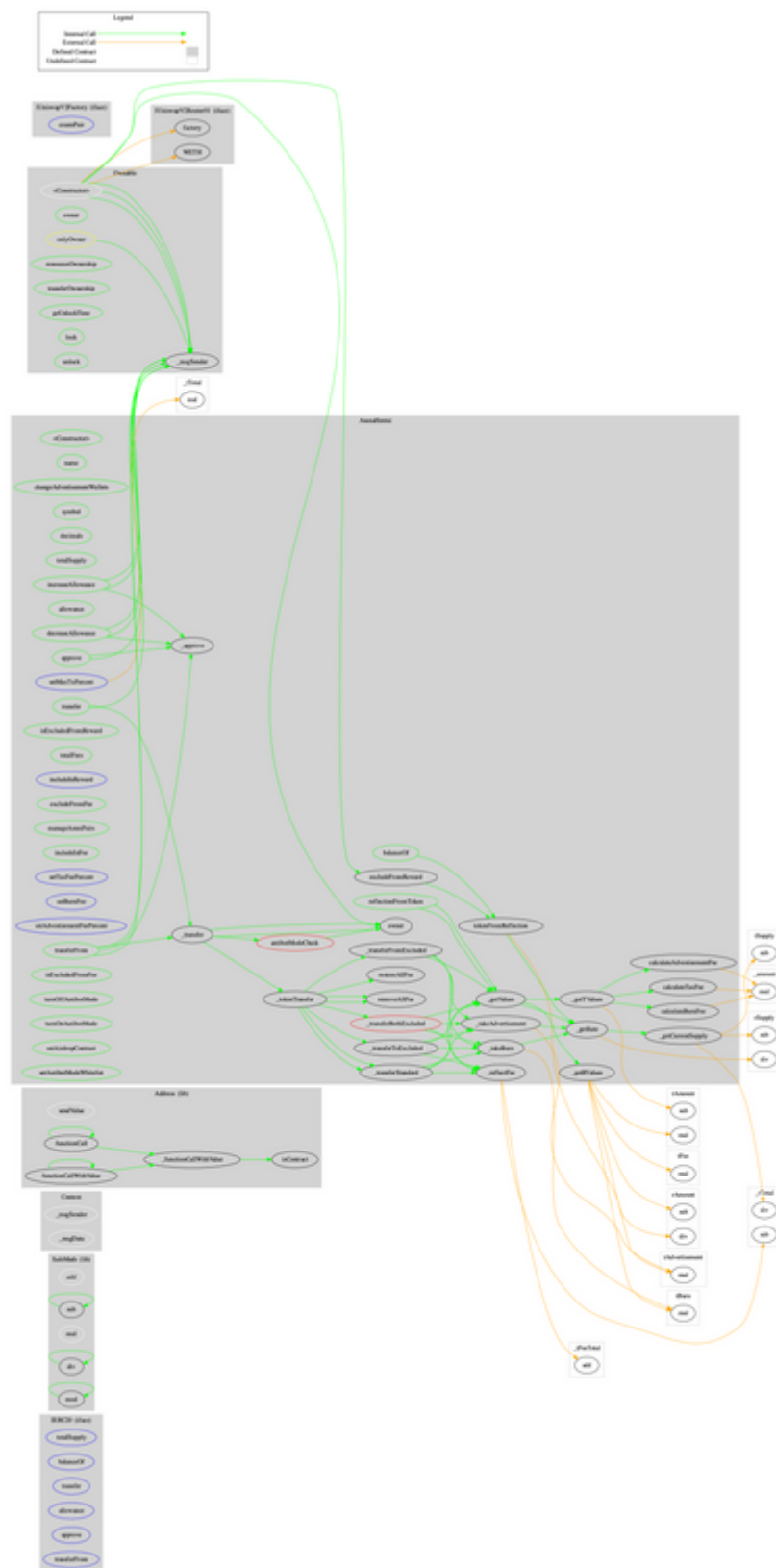
| Contract        | Type                  | Bases      |            |           |
|-----------------|-----------------------|------------|------------|-----------|
|                 | Function Name         | Visibility | Mutability | Modifiers |
|                 |                       |            |            |           |
| <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>Context</b>  | Implementation        |            |            |           |
|                 | _msgSender            | Internal   |            |           |
|                 | _msgData              | Internal   |            |           |
|                 |                       |            |            |           |
| <b>Address</b>  | Library               |            |            |           |
|                 | isContract            | Internal   |            |           |
|                 | sendValue             | Internal   | ✓          |           |
|                 | functionCall          | Internal   | ✓          |           |
|                 | functionCall          | Internal   | ✓          |           |
|                 | functionCallWithValue | Internal   | ✓          |           |
|                 | functionCallWithValue | Internal   | ✓          |           |

|                           |                            |                          |   |           |
|---------------------------|----------------------------|--------------------------|---|-----------|
|                           | _functionCallWithValue     | Private                  | ✓ |           |
|                           |                            |                          |   |           |
| <b>Ownable</b>            | Implementation             | Context                  |   |           |
|                           | <Constructor>              | Internal                 | ✓ |           |
|                           | owner                      | Public                   |   | -         |
|                           | renounceOwnership          | Public                   | ✓ | onlyOwner |
|                           | transferOwnership          | Public                   | ✓ | onlyOwner |
|                           | geUnlockTime               | Public                   |   | -         |
|                           | lock                       | Public                   | ✓ | onlyOwner |
|                           | unlock                     | Public                   | ✓ | -         |
|                           |                            |                          |   |           |
| <b>IUniswapV2Factory</b>  | Interface                  |                          |   |           |
|                           | createPair                 | External                 | ✓ | -         |
|                           |                            |                          |   |           |
| <b>IUniswapV2Router01</b> | Interface                  |                          |   |           |
|                           | factory                    | External                 |   | -         |
|                           | WETH                       | External                 |   | -         |
|                           |                            |                          |   |           |
| <b>AsunaHentai</b>        | Implementation             | Context, IERC20, Ownable |   |           |
|                           | <Constructor>              | Public                   | ✓ | -         |
|                           | name                       | Public                   |   | -         |
|                           | changeAdvestisementWallets | Public                   | ✓ | onlyOwner |
|                           | symbol                     | Public                   |   | -         |
|                           | decimals                   | Public                   |   | -         |
|                           | totalSupply                | Public                   |   | -         |
|                           | balanceOf                  | Public                   |   | -         |
|                           | transfer                   | Public                   | ✓ | -         |
|                           | allowance                  | Public                   |   | -         |
|                           | approve                    | Public                   | ✓ | -         |
|                           | transferFrom               | Public                   | ✓ | -         |
|                           | increaseAllowance          | Public                   | ✓ | -         |
|                           | decreaseAllowance          | Public                   | ✓ | -         |
|                           | isExcludedFromReward       | Public                   |   | -         |

|  |                            |          |   |           |
|--|----------------------------|----------|---|-----------|
|  | totalFees                  | Public   |   | -         |
|  | reflectionFromToken        | Public   |   | -         |
|  | tokenFromReflection        | Public   |   | -         |
|  | excludeFromReward          | Public   | ✓ | onlyOwner |
|  | includeInReward            | External | ✓ | onlyOwner |
|  | _transferBothExcluded      | Private  | ✓ |           |
|  | excludeFromFee             | Public   | ✓ | onlyOwner |
|  | manageAmmPairs             | Public   | ✓ | onlyOwner |
|  | includeInFee               | Public   | ✓ | onlyOwner |
|  | setTaxFeePercent           | External | ✓ | onlyOwner |
|  | setBurnFee                 | External | ✓ | onlyOwner |
|  | setAdvestisementFeePercent | External | ✓ | onlyOwner |
|  | setMaxTxPercent            | External | ✓ | onlyOwner |
|  | _reflectFee                | Private  | ✓ |           |
|  | _getValues                 | Private  |   |           |
|  | _getTValues                | Private  |   |           |
|  | _getRValues                | Private  |   |           |
|  | _getRate                   | Private  |   |           |
|  | _getCurrentSupply          | Private  |   |           |
|  | _takeAdvertisement         | Private  | ✓ |           |
|  | _takeBurn                  | Private  | ✓ |           |
|  | calculateTaxFee            | Private  |   |           |
|  | calculateAdvestisementFee  | Private  |   |           |
|  | calculateBurnFee           | Private  |   |           |
|  | removeAllFee               | Private  | ✓ |           |
|  | restoreAllFee              | Private  | ✓ |           |
|  | isExcludedFromFee          | Public   |   | -         |
|  | _approve                   | Private  | ✓ |           |
|  | turnOffAntibotMode         | Public   | ✓ | onlyOwner |
|  | turnOnAntibotMode          | Public   | ✓ | onlyOwner |
|  | setAirdropContract         | Public   | ✓ | onlyOwner |
|  | setAntibotModeWhitelist    | Public   | ✓ | onlyOwner |
|  | antibotModeCheck           | Private  |   |           |
|  | _transfer                  | Private  | ✓ |           |
|  | _tokenTransfer             | Private  | ✓ |           |

|  |                       |         |   |  |
|--|-----------------------|---------|---|--|
|  | _transferStandard     | Private | ✓ |  |
|  | _transferToExcluded   | Private | ✓ |  |
|  | _transferFromExcluded | Private | ✓ |  |

# Contract Flow



## Domain Info

|                               |                                         |
|-------------------------------|-----------------------------------------|
| <b>Domain Name</b>            | asunahentai.io                          |
| <b>Registry Domain ID</b>     | 81ff37bd156349caba7872f796045d05-DONUTS |
| <b>Creation Date</b>          | 2022-04-24T18:34:08Z                    |
| <b>Updated Date</b>           | 2022-04-24T18:34:08Z                    |
| <b>Registry Expiry Date</b>   | 2023-04-24T18:34:08Z                    |
| <b>Registrar WHOIS Server</b> | whois.porkbun.com                       |
| <b>Registrar URL</b>          | http://porkbun.com                      |
| <b>Registrar</b>              | Porkbun LLC                             |
| <b>Registrar IANA ID</b>      | 1861                                    |

The domain has been created 4 days before the creation of the audit. It will expire in 12 months.

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

## Summary

There are some functions that can be abused by the owner, like manipulating fees and stopping transactions. The contract can be converted into a honeypot and prevent users from selling if the owner abuses the admin functions. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

## 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>



Cyberscope

## Audit Report

# Asuna Hentai

April 2022

Type       BEP20

Network    BSC

Address     0x4e79e344D78B12B5B371E52b0FA4b1Db749cBc08

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|---------------------------|-----------|
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## Contract Review

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| <b>Optimization</b>     | 200 runs                                                                                                                                                |
| <b>Licence</b>          | MIT                                                                                                                                                     |
| <b>Explorer</b>         | <a href="https://bscscan.com/token/0x4e79e344d78b12b5b371e52b0fa4b1db749cbc08">https://bscscan.com/token/0x4e79e344d78b12b5b371e52b0fa4b1db749cbc08</a> |
| <b>Symbol</b>           | ASUNA                                                                                                                                                   |
| <b>Decimals</b>         | 18                                                                                                                                                      |
| <b>Total Supply</b>     | 1,000,000,000,000,000                                                                                                                                   |
| <b>Domain</b>           | asunahentai.io                                                                                                                                          |

## Source Files

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| <b>Filename</b>     | <b>SHA256</b>                                                    |
| <b>contract.sol</b> | c425bb63e3a5ad53e55d3359a0e03575c8aa32eb3649b3b943e56161f4d37b3e |

## Audit Updates

|                      |                 |
|----------------------|-----------------|
| <b>Initial Audit</b> | 28th April 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                                                      |

## ST - Stop Transactions

|             |                           |
|-------------|---------------------------|
| Criticality | critical                  |
| Location    | contract.sol#L839,853,883 |

### Description

The contract owner has the authority to stop the sales for all users excluding the owner. The owner may take advantage of it by setting the `_sellAdvestisementFee` to a high value.

```
}else if(isSell){
    _taxFee = _sellTaxFee;
    _advestisementFee = _sellAdvestisementFee;
}
```

The contract owner has the authority to allow transactions only for specific users. The owner may take advantage of it by adding addresses to the `antibotModeWhitelist` and enabling the `isAntibotModeEnabled`

```
if (from == owner() || from == airdropContract) return;
require(antibotModeWhitelist[from] && antibotModeWhitelist[to], "Address not in
antibot mode whitelist");
```

The contract owner has the authority to stop transactions for all users excluding the owner. The owner may take advantage of it by setting the `_maxTxAmount` to zero.

```
if(from != owner() && to != owner())
    require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");
```

### Recommendation

The contract could embody a check for not allowing setting the `_maxTxAmount` less than a reasonable amount. A suggested implementation could check that the maximum amount should be more than a fixed percentage of the total supply.

The `antibotModeWhitelist` should not be able to be manipulated after the launch of the non-whitelist trading.

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.

## ELFM - Exceed Limit Fees Manipulation

|             |                   |
|-------------|-------------------|
| Criticality | critical          |
| Location    | contract.sol#L696 |

### Description

The contract owner has the authority to increase over the allowed limit of 25%. The owner may take advantage of it by calling the `setAdvestisementFeePercent` function with a high percentage value.

```
function setAdvestisementFeePercent(uint256 buyAdvestisementFee, uint256  
sellAdvestisementFee) external onlyOwner() {  
    _sellAdvestisementFee = sellAdvestisementFee;  
    _buyAdvestisementFee = buyAdvestisementFee;  
}
```

### Recommendation

The contract could embody a check for the maximum acceptable value.

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 |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L07  | Missing Events Arithmetic                  |
| ●        | L09  | Dead Code Elimination                      |

## L01 - Public Function could be Declared External

|                    |                                                                                                                           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                                                                                     |
| <b>Location</b>    | contract.sol#L429,438,444,449,457,555,559,563,567,571,575,580,585,589,594,600,605,610,614,620,671,676,682,812,824,828,832 |

### Description

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

```
setAntibotModeWhitelist  
setAirdropContract  
turnOffAntibotMode  
isExcludedFromFee  
includeInFee  
manageAmmPairs  
excludeFromFee  
reflectionFromToken  
totalFees  
...
```

### Recommendation

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

## L02 - State Variables could be Declared Constant

**Criticality**

minor

**Location**

contract.sol#L502,500,501,496

### Description

Constant state variables should be declared constant to save gas.

```
_tTotal  
_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#L477,774,780,786,828,504,505,509,510,522,527

### 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.

```
_maxTxAmount  
_advestisementFee  
_sellAdvestisementFee  
_sellTaxFee  
_buyAdvestisementFee  
_buyTaxFee  
_airdropContract  
_amount  
WETH  
...
```

### Recommendation

Follow the Solidity naming convention.

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

## L07 - Missing Events Arithmetic

|                    |                               |
|--------------------|-------------------------------|
| <b>Criticality</b> | minor                         |
| <b>Location</b>    | contract.sol#L686,692,696,701 |

### Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
_maxTxAmount = _tTotal.mul(maxTxPercent).div(10 ** 3)
_sellAdvestisementFee = sellAdvestisementFee
_burnFee = fee
_buyTaxFee = buyTaxFee
```

### Recommendation

Emit an event for critical parameter changes.

## L09 - Dead Code Elimination

|                    |                                           |
|--------------------|-------------------------------------------|
| <b>Criticality</b> | minor                                     |
| <b>Location</b>    | contract.sol#L355,315,325,340,350,262,289 |

### Description

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

```
sendValue  
isContract  
functionCallWithValue  
functionCall  
_functionCallWithValue
```

### Recommendation

Remove unused functions.

# Contract Functions

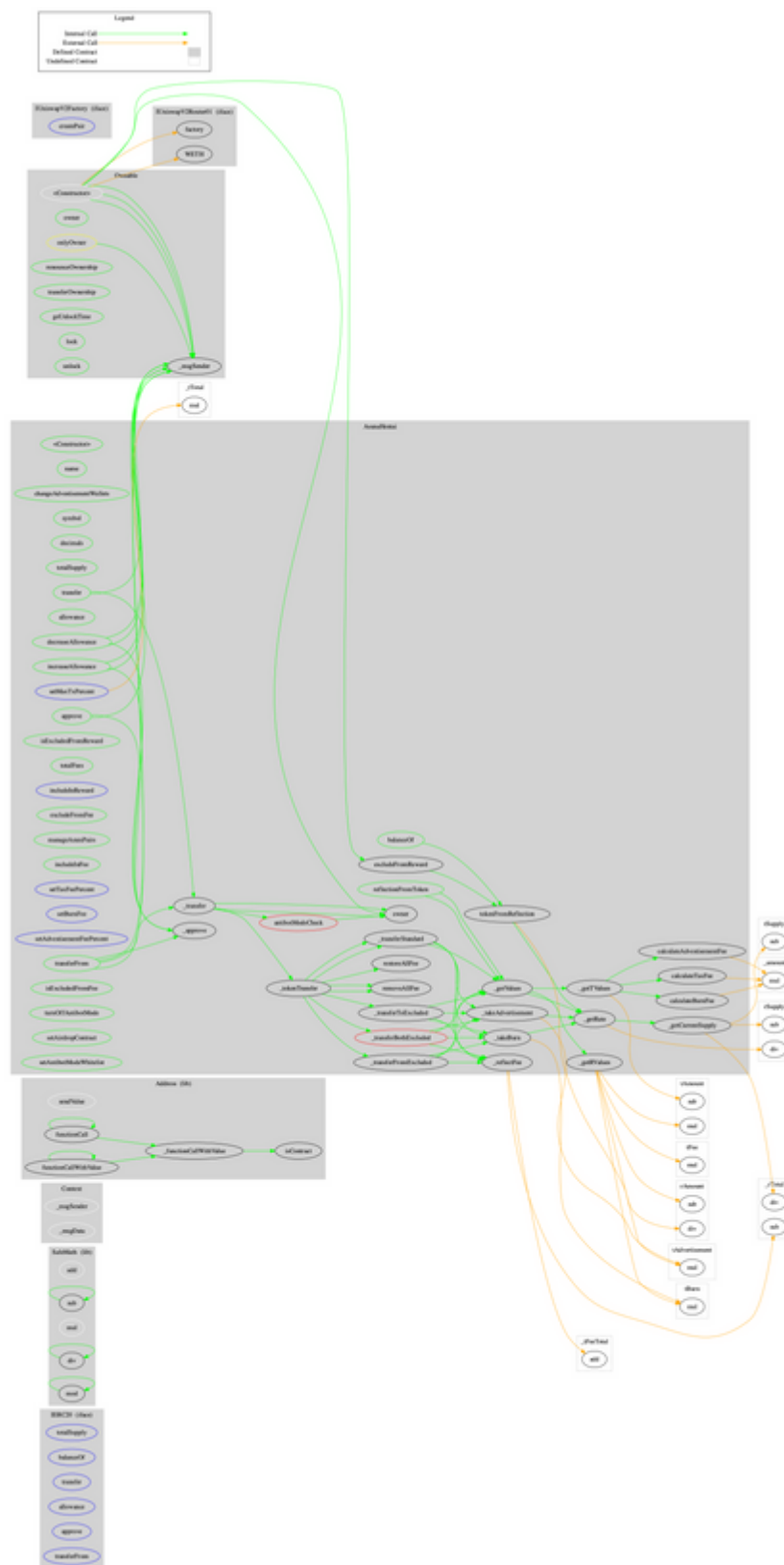
| Contract        | Type                  | Bases      |            |           |
|-----------------|-----------------------|------------|------------|-----------|
|                 | Function Name         | Visibility | Mutability | Modifiers |
|                 |                       |            |            |           |
| <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>Context</b>  | Implementation        |            |            |           |
|                 | _msgSender            | Internal   |            |           |
|                 | _msgData              | Internal   |            |           |
|                 |                       |            |            |           |
| <b>Address</b>  | Library               |            |            |           |
|                 | isContract            | Internal   |            |           |
|                 | sendValue             | Internal   | ✓          |           |
|                 | functionCall          | Internal   | ✓          |           |
|                 | functionCall          | Internal   | ✓          |           |
|                 | functionCallWithValue | Internal   | ✓          |           |
|                 | functionCallWithValue | Internal   | ✓          |           |

|                           |                            |                          |   |           |
|---------------------------|----------------------------|--------------------------|---|-----------|
|                           | _functionCallWithValue     | Private                  | ✓ |           |
|                           |                            |                          |   |           |
| <b>Ownable</b>            | Implementation             | Context                  |   |           |
|                           | <Constructor>              | Internal                 | ✓ |           |
|                           | owner                      | Public                   |   | -         |
|                           | renounceOwnership          | Public                   | ✓ | onlyOwner |
|                           | transferOwnership          | Public                   | ✓ | onlyOwner |
|                           | geUnlockTime               | Public                   |   | -         |
|                           | lock                       | Public                   | ✓ | onlyOwner |
|                           | unlock                     | Public                   | ✓ | -         |
|                           |                            |                          |   |           |
| <b>IUniswapV2Factory</b>  | Interface                  |                          |   |           |
|                           | createPair                 | External                 | ✓ | -         |
|                           |                            |                          |   |           |
| <b>IUniswapV2Router01</b> | Interface                  |                          |   |           |
|                           | factory                    | External                 |   | -         |
|                           | WETH                       | External                 |   | -         |
|                           |                            |                          |   |           |
| <b>AsunaHentai</b>        | Implementation             | Context, IERC20, Ownable |   |           |
|                           | <Constructor>              | Public                   | ✓ | -         |
|                           | name                       | Public                   |   | -         |
|                           | changeAdvestisementWallets | Public                   | ✓ | onlyOwner |
|                           | symbol                     | Public                   |   | -         |
|                           | decimals                   | Public                   |   | -         |
|                           | totalSupply                | Public                   |   | -         |
|                           | balanceOf                  | Public                   |   | -         |
|                           | transfer                   | Public                   | ✓ | -         |
|                           | allowance                  | Public                   |   | -         |
|                           | approve                    | Public                   | ✓ | -         |
|                           | transferFrom               | Public                   | ✓ | -         |
|                           | increaseAllowance          | Public                   | ✓ | -         |
|                           | decreaseAllowance          | Public                   | ✓ | -         |
|                           | isExcludedFromReward       | Public                   |   | -         |

|  |                            |          |   |           |
|--|----------------------------|----------|---|-----------|
|  | totalFees                  | Public   |   | -         |
|  | reflectionFromToken        | Public   |   | -         |
|  | tokenFromReflection        | Public   |   | -         |
|  | excludeFromReward          | Public   | ✓ | onlyOwner |
|  | includeInReward            | External | ✓ | onlyOwner |
|  | _transferBothExcluded      | Private  | ✓ |           |
|  | excludeFromFee             | Public   | ✓ | onlyOwner |
|  | manageAmmPairs             | Public   | ✓ | onlyOwner |
|  | includeInFee               | Public   | ✓ | onlyOwner |
|  | setTaxFeePercent           | External | ✓ | onlyOwner |
|  | setBurnFee                 | External | ✓ | onlyOwner |
|  | setAdvestisementFeePercent | External | ✓ | onlyOwner |
|  | setMaxTxPercent            | External | ✓ | onlyOwner |
|  | _reflectFee                | Private  | ✓ |           |
|  | _getValues                 | Private  |   |           |
|  | _getTValues                | Private  |   |           |
|  | _getRValues                | Private  |   |           |
|  | _getRate                   | Private  |   |           |
|  | _getCurrentSupply          | Private  |   |           |
|  | _takeAdvertisement         | Private  | ✓ |           |
|  | _takeBurn                  | Private  | ✓ |           |
|  | calculateTaxFee            | Private  |   |           |
|  | calculateAdvestisementFee  | Private  |   |           |
|  | calculateBurnFee           | Private  |   |           |
|  | removeAllFee               | Private  | ✓ |           |
|  | restoreAllFee              | Private  | ✓ |           |
|  | isExcludedFromFee          | Public   |   | -         |
|  | _approve                   | Private  | ✓ |           |
|  | turnOffAntibotMode         | Public   | ✓ | onlyOwner |
|  | setAirdropContract         | Public   | ✓ | onlyOwner |
|  | setAntibotModeWhitelist    | Public   | ✓ | onlyOwner |
|  | antibotModeCheck           | Private  |   |           |
|  | _transfer                  | Private  | ✓ |           |
|  | _tokenTransfer             | Private  | ✓ |           |
|  | _transferStandard          | Private  | ✓ |           |

|  |                       |         |   |  |
|--|-----------------------|---------|---|--|
|  | _transferToExcluded   | Private | ✓ |  |
|  | _transferFromExcluded | Private | ✓ |  |

# Contract Flow



## Domain Info

|                               |                                         |
|-------------------------------|-----------------------------------------|
| <b>Domain Name</b>            | asunahentai.io                          |
| <b>Registry Domain ID</b>     | 81ff37bd156349caba7872f796045d05-DONUTS |
| <b>Creation Date</b>          | 2022-04-24T18:34:08Z                    |
| <b>Updated Date</b>           | 2022-04-24T18:34:08Z                    |
| <b>Registry Expiry Date</b>   | 2023-04-24T18:34:08Z                    |
| <b>Registrar WHOIS Server</b> | whois.porkbun.com                       |
| <b>Registrar URL</b>          | http://porkbun.com                      |
| <b>Registrar</b>              | Porkbun LLC                             |
| <b>Registrar IANA ID</b>      | 1861                                    |

The domain has been created 4 days before the creation of the audit. It will expire in 12 months.

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

## Summary

There are some functions that can be abused by the owner, like manipulating fees and stopping transactions. The contract can be converted into a honeypot and prevent users from selling if the owner abuses the admin functions. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

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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>