



Cyberscope

Audit Report

ASKJA

May 2022

Github <https://github.com/gillesrusticity/askjaCoin>

Commit [4a9ce6b640c76ad359e348803b544576eb9be424](#)

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Contract Review

| | |
|-----------------------|---|
| Contract Name | AskjaCoin |
| Github | https://github.com/gillesrusticity/askjaCoin |
| Commit | 4a9ce6b640c76ad359e348803b544576eb9be424 |
| Testing Deploy | https://testnet.bscscan.com/address/0x2a9C22D6DD2253a1129ac5cE35b8c93Cf537f612 |
| Domain | askja.io |

Audit Updates

| | |
|----------------------|---------------|
| Initial Audit | 9th May 2022 |
| Corrected | 12th May 2022 |

Source Files

| Filename | SHA256 |
|--|--|
| @openzeppelin/contracts-upgradeable/access/OwnableUpgradeable.sol | f0cbb88e6cbc994b565645eabd4320d27d529c7f1f4b3abb5fc263f3961c0a24 |
| @openzeppelin/contracts-upgradeable/proxy/utils/Initializable.sol | 6e058aaee8c641107b209b62c34d484f2f125a44ecb66f7204a701614dfc1d68 |
| @openzeppelin/contracts-upgradeable/token/ERC20/ERC20Upgradeable.sol | a439a162881f7f36131b1fe307aa2a8dc98ac3f01ac121ff92fbbc25d0d216b5 |
| @openzeppelin/contracts-upgradeable/token/ERC20/extensions/ERC20BurnableUpgradeable.sol | ca660e828b0c4be205a9f56f3b87b91c1fa67cfd0f6e9dbd431faea7a6280d36 |
| @openzeppelin/contracts-upgradeable/token/ERC20/extensions/IERC20MetadataUpgradeable.sol | 68bcca423fc72ec9625e219c9e36306c726a347e43f3711467c579bd3f6500c8 |
| @openzeppelin/contracts-upgradeable/token/ERC20/IERC20Upgradeable.sol | db1d80b38061ba675444e6ad861a621d99666042950278d6cdeae9a108afdd17 |

| | |
|--|--|
| @openzeppelin/contracts-upgradeable/token/ERC20/presets/ERC20PresetFixedSupplyUpgradeable.sol | 06b9cebc2c9e8b7e6a1a4313018d7b9b17255996060211ec73c7b4c053b71123 |
| @openzeppelin/contracts-upgradeable/utils/AddressUpgradeable.sol | 44edc4d7099c781d11421cea2d82a52948e738f5f6191c8ad01dfc0f9858549c |
| @openzeppelin/contracts-upgradeable/utils/ContextUpgradeable.sol | 5fb301961e45cb482fe4e05646d2f529aa449fe0e90c6671475d6a32356fa2d4 |
| @openzeppelin/contracts/utils/Strings.sol | 8597c62818dcbc6cf85c21179b90b714fb4f70a4347ca2eed23e88c87b08b8a1 |
| contracts/AskjaCoin.sol | 1005b500098ea1449ad8be9953c4ac36ee65d6def8c65c649c3e789d63a392d4 |

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 |

L01 - Public Function could be Declared External

Criticality

minor

Location

contracts/AskjaCoin.sol#L45

Description

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

transfer

Recommendation

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

L04 - Conformance to Solidity Naming Conventions

Criticality

minor

Location

contracts/AskjaCoin.sol#L22,103,116,121,125,130,16

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.

```
rusticityFee  
_feeDisabled  
_address  
_cooldownPeriod  
coolDownChanged
```

Recommendation

Follow the Solidity naming convention.

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

Contract Functions

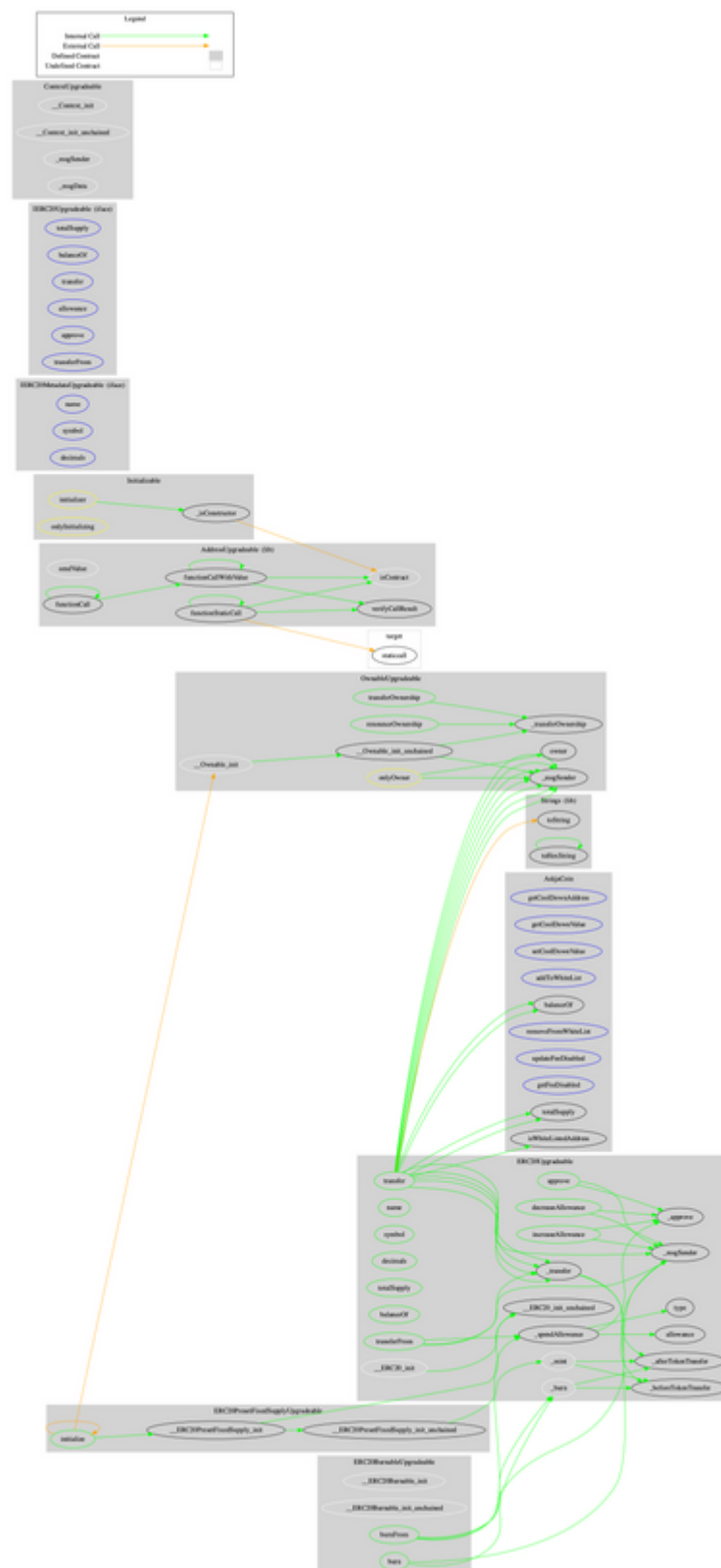
| Contract | Type | Bases | | |
|--------------------------|--------------------------|---|------------|------------------|
| | Function Name | Visibility | Mutability | Modifiers |
| | | | | |
| OwnableUpgradable | Implementation | Initializable, ContextUpgradeable | | |
| | __Ownable_init | Internal | ✓ | onlyInitializing |
| | __Ownable_init_unchained | Internal | ✓ | onlyInitializing |
| | owner | Public | | - |
| | renounceOwnership | Public | ✓ | onlyOwner |
| | transferOwnership | Public | ✓ | onlyOwner |
| | _transferOwnership | Internal | ✓ | |
| | | | | |
| Initializable | Implementation | | | |
| | _isConstructor | Private | | |
| | | | | |
| ERC20Upgradeable | Implementation | Initializable, ContextUpgradeable, IERC20Upgradeable, IERC20MetadataUpgradeable | | |
| | __ERC20_init | Internal | ✓ | onlyInitializing |
| | __ERC20_init_unchained | Internal | ✓ | onlyInitializing |
| | 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 | ✓ | |
| | | | | |
| ERC20BurnableUpgradeable | Implementation | Initializable, ContextUpgradeable, ERC20Upgradeable | | |
| | __ERC20Burnable_init | Internal | ✓ | onlyInitializing |
| | __ERC20Burnable_init_unchained | Internal | ✓ | onlyInitializing |
| | burn | Public | ✓ | - |
| | burnFrom | Public | ✓ | - |
| | | | | |
| IERC20MetadataUpgradeable | Interface | IERC20Upgradeable | | |
| | name | External | | - |
| | symbol | External | | - |
| | decimals | External | | - |
| | | | | |
| IERC20Upgradeable | Interface | | | |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | | | | |
| ERC20PresetFixedSupplyUpgradeable | Implementation | Initializable, ERC20BurnableUpgradeable | | |

| | | | | |
|--------------------------|---|---|---|------------------|
| | | eable | | |
| | initialize | Public | ✓ | initializer |
| | __ERC20PresetFixedSupply_init | Internal | ✓ | onlyInitializing |
| | __ERC20PresetFixedSupply_init_unchained | Internal | ✓ | onlyInitializing |
| | | | | |
| AddressUpgradable | Library | | | |
| | isContract | Internal | | |
| | sendValue | Internal | ✓ | |
| | functionCall | Internal | ✓ | |
| | functionCall | Internal | ✓ | |
| | functionCallWithValue | Internal | ✓ | |
| | functionCallWithValue | Internal | ✓ | |
| | functionStaticCall | Internal | | |
| | functionStaticCall | Internal | | |
| | verifyCallResult | Internal | | |
| | | | | |
| ContextUpgradable | Implementation | Initializable | | |
| | __Context_init | Internal | ✓ | onlyInitializing |
| | __Context_init_unchained | Internal | ✓ | onlyInitializing |
| | _msgSender | Internal | | |
| | _msgData | Internal | | |
| | | | | |
| Strings | Library | | | |
| | toString | Internal | | |
| | toHexString | Internal | | |
| | toHexString | Internal | | |
| | | | | |
| AskjaCoin | Implementation | ERC20PresetFixedSupplyUpgradable, OwnableUpgradable | | |
| | initialize | Public | ✓ | initializer |
| | transfer | Public | ✓ | - |

| | | | | |
|--|----------------------|----------|---|-----------|
| | getCoolDownAddress | External | | - |
| | getCoolDownValue | External | | - |
| | setCoolDownValue | External | ✓ | onlyOwner |
| | addToWhiteList | External | ✓ | onlyOwner |
| | isWhiteListedAddress | Public | | - |
| | removeFromWhiteList | External | ✓ | onlyOwner |
| | updateFeeDisabled | External | ✓ | onlyOwner |
| | getFeeDisabled | External | | - |

Contract Flow



Domain Info

| | |
|-------------------------------|---|
| Domain Name | askja.io |
| Registry Domain ID | 6712323d52e14f7b9180b158889988b5-DONUTS |
| Creation Date | 2022-03-28T10:58:50Z |
| Updated Date | 2022-04-02T10:59:15Z |
| Registry Expiry Date | 2023-03-28T10:58:50Z |
| Registrar WHOIS Server | whois.godaddy.com/ |
| Registrar URL | http://www.godaddy.com/domains/search.aspx?ci=8990 |
| Registrar | GoDaddy.com, LLC |
| Registrar IANA ID | 146 |

The domain has been created about 1 month 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

ASKJA 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. There is also a limit of max 25% fees. The fee is fixed to 7%.

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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The Cyberscope team disclaims any liability for the resulting losses.

About Cyberscope

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



The Cyberscope team

<https://www.cyberscope.io>