Cyberscope

Audit Report

AuditAI

November 2024

Analysis

● Critical   ● Medium   ● Minor / Informative   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Unresolved
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

Diagnostics

● Critical   ● Medium   ● Minor / Informative

Severity	Code	Description	Status
●	GLE	Gas Limit Exhaustion	Unresolved
●	PRI	Pending Rewards Inconsistency	Unresolved
●	CCR	Contract Centralization Risk	Unresolved
●	ITO	Inconsistent Transfer Override	Unresolved
●	MU	Modifiers Usage	Unresolved
●	NWES	Nonconformity with ERC-20 Standard	Unresolved
●	PLPI	Potential Liquidity Provision Inadequacy	Unresolved
●	PTRP	Potential Transfer Revert Propagation	Unresolved
●	RRA	Redundant Repeated Approvals	Unresolved
●	RSU	Redundant State Updates	Unresolved
●	RDI	Reward Distribution Inconsistency	Unresolved
●	UTPD	Unverified Third Party Dependencies	Unresolved
●	ZARA	Zero Address Rewards Allocation	Unresolved
●	L02	State Variables could be Declared Constant	Unresolved

| ● | L04 | Conformance to Solidity Naming Conventions | Unresolved |

Table of Contents

Risk Classification

The criticality of findings in Cyberscope's smart contract audits is determined by evaluating multiple variables. The two primary variables are:

1. **Likelihood of Exploitation**: This considers how easily an attack can be executed, including the economic feasibility for an attacker.
2. **Impact of Exploitation**: This assesses the potential consequences of an attack, particularly in terms of the loss of funds or disruption to the contract's functionality.

Based on these variables, findings are categorized into the following severity levels:

1. **Critical**: Indicates a vulnerability that is both highly likely to be exploited and can result in significant fund loss or severe disruption. Immediate action is required to address these issues.
2. **Medium**: Refers to vulnerabilities that are either less likely to be exploited or would have a moderate impact if exploited. These issues should be addressed in due course to ensure overall contract security.
3. **Minor**: Involves vulnerabilities that are unlikely to be exploited and would have a minor impact. These findings should still be considered for resolution to maintain best practices in security.
4. **Informative**: Points out potential improvements or informational notes that do not pose an immediate risk. Addressing these can enhance the overall quality and robustness of the contract.

Severity	Likelihood / Impact of Exploitation
● Critical	Highly Likely / High Impact
● Medium	Less Likely / High Impact or Highly Likely/ Lower Impact
● Minor / Informative	Unlikely / Low to no Impact

Review

Contract Name	AuditAI
Compiler Version	v0.8.20+commit.a1b79de6
Optimization	200 runs
Explorer	https://etherscan.io/address/0x2c25eaca82e885a1afbc73aacd861318caaf9743
Address	0x2c25eaca82e885a1afbc73aacd861318caaf9743
Network	ETH
Symbol	AUDAI
Decimals	18
Total Supply	100,000,000
Badge Eligibility	Must Fix Criticals

Audit Updates

Initial Audit	05 Sep 2024 https://github.com/cyberscope-io/audits/blob/main/audai/v1/audit.pdf
Corrected Phase 2	24 Sep 2024 https://github.com/cyberscope-io/audits/blob/main/audai/v2/audit.pdf
Corrected Phase 3	01 Nov 2024
Testing Deploy	https://sepolia.etherscan.io/address/0xD8f02F59c0d62Dc195b01D320211aa546819b9Ba

Source Files

Filename	SHA256
auditAIToken.sol	eb11e563e5a4173b3fef4220dda7956d3a368f5617146570aca84758fa341c9c

Overview

The AUDITAI contract implements a token mechanism.

Functionality:

- Token.
- Fee mechanism.
- Distributes fees to address with more than 100,000 tokens.

Key Functions:

- _transfer(address from, address to, uint256 amount) internal override
- claim( ) public
- checkHolders(address from, address to) internal
- distribution( ) internal

Roles:

- Owner:

The contract's owner can interact with the following functions:

1. function renounceOwnership() external onlyOwner
2. function transferOwnership(address newOwner) external onlyOwner
3. function excludeFromTax(address _address, bool _isExclude) external onlyOwner
4. function excludeFromRewards(address _address, bool _isExclude) public onlyOwner
5. function openTrading() external onlyOwner
6. function setStakingAddress(address _address) external onlyOwner

Findings Breakdown
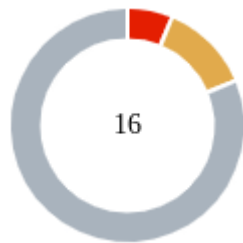
	Critical	1
	Medium	2
	Minor / Informative	13

Severity	Unresolved	Acknowledged	Resolved	Other
Critical	1	0	0	0
Medium	2	0	0	0
Minor / Informative	13	0	0	0

ST - Stops Transactions

Criticality	Critical
Location	auditAIToken.sol#L239
Status	Unresolved

Description

The transactions are initially disabled for all users excluding the authorized addresses. The owner can enable the transactions for all users. Once the transactions are enable the owner will not be able to disable them again.

```
function openTrading() external  onlyOwner {
        require(!tradingOpen,"trading is already open");
        tradingOpen = true;
}
```

Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. Some suggestions are:

- Introduce a multi-sign wallet so that many addresses will confirm the action.
- Introduce a governance model where users will vote about the actions.

GLE - Gas Limit Exhaustion

Criticality	Medium
Location	auditAIToken.sol#L192
Status	Unresolved

Description

The contract executes operations that may result in transactions exceeding the gas limit. Specifically, the `distribution()` function iterates over a set of indexes and with each iteration updates the contract's state. As the number of indexes increases, the gas consumption grows proportionally. Since the `distribution()` function is invoked whenever the contract accrues more than 1 ETH to distribute, transactions may fail as the iteration count increases.

```solidity
function distribution() internal nonReentrant{
...
if(indexToHolder[holderLastIndex] != address(0)){
 ...
for (uint i = holderMinIndex; i <= holderLastIndex; i++) {
if(indexToHolder[i] != address(0)){
if (!firstValidHolderFound) {
tempMinIndex = i;
firstValidHolderFound = true;
}
}
uint amount = balanceOf(indexToHolder[i]) +
stakersAmount[indexToHolder[i]];
uint reward = (holdersReward * amount / totalHoldedTokens);
holdersList[indexToHolder[i]].amountToClaim += reward;
}
holderMinIndex = tempMinIndex;
pendingRewards = 0;
} else {
pendingRewards += holdersReward;
}
}
```

Recommendation

The team should consider revising the implementation of the `distribution` function to prevent exceeding the gas limit. One possible solution would be to establish a gas threshold, upon reaching which the function would terminate and record the current index. Specifically, the suggested implementation processes eligible non-zero addresses until a predefined gas limit is reached. The function then records the last processed index, allowing subsequent calls to continue execution from that point. Once the final index has been processed, the function should iterate from the beginning of the list to ensure all eligible, non-zero, addresses are consistently accounted for.

PRI - Pending Rewards Inconsistency

Criticality	Medium
Location	auditAIToken.sol#L192
Status	Unresolved

Description

The contract implements the `distribution` function to allocate rewards. During the execution, if `indexToHolder[holderLastIndex] == address(0)`, rewards are not distributed to users and are instead stored in a `pendingRewards` variable. On a subsequent call of the `distribution` function, the amount of rewards to distribute is calculated as follows:

```
uint amountToDistribute = balanceThis - totalAvailableToClaim +
pendingRewards;.
```

In this expression, the term `pendingRewards` is added to the amount to distribute. This can increase the `totalAvailableToClaim` variable beyond the contract's current balance, resulting in a significant inconsistency between the users' claimable rewards and the available balance.

Recommendation

To ensure overall consistency, the team is advised to revise the implementation of the `distribution` function. Specifically, it is suggested to subtract `pendingRewards` from the current balance when calculating the total amount to distribute. In addition, the team is advised to ensure that the conditional check before the execution of the `distribution` function also accounts for the `pendingRewards` and that the `pendingRewards` are correctly allocated to the `totalAvailableToClaim` in a subsequent call of this function.

CCR - Contract Centralization Risk

Criticality	Minor / Informative
Location	auditAIToken.sol#L227,233,239,244
Status	Unresolved

Description

The contract's functionality and behavior are heavily dependent on external parameters or configurations. While external configuration can offer flexibility, it also poses several centralization risks that warrant attention. Centralization risks arising from the dependence on external configuration include Single Point of Control, Vulnerability to Attacks, Operational Delays, Trust Dependencies, and Decentralization Erosion.

```solidity
function excludeFromTax(address _address, bool _isExclude) external
onlyOwner {}

function excludeFromRewards(address _address, bool _isExclude)
public onlyOwner {}

function openTrading() external  onlyOwner {}

function setStakingAddress(address _address) external onlyOwner {}
```

Recommendation

To address this finding and mitigate centralization risks, it is recommended to evaluate the feasibility of migrating critical configurations and functionality into the contract's codebase itself. This approach would reduce external dependencies and enhance the contract's self-sufficiency. It is essential to carefully weigh the trade-offs between external configuration flexibility and the risks associated with centralization.

ITO - Inconsistent Transfer Override

Criticality	Minor / Informative
Location	ERC20.sol#L166
Status	Unresolved

Description

The smart contract inherits the ERC20.sol contract from the OpenZeppelin library version `v5.x.x`, which introduces notable changes in the transfer mechanism. Specifically, the new version includes the `_update(address from, address to, uint256 value) internal virtual` function, which handles the transfer of a value amount of tokens between `from` and `to`, or mints and burns tokens if either address is the zero address. OpenZeppelin advises that all customizations for transfers, mints, and burns should now be done by overriding the `_update` function which is defined as virtual.

In previous versions, the `_transfer()`, `_mint()`, and `_burn()` functions were all defined as internal virtual, allowing developers to directly override them for customization. This is not possible in version `v5.x.x`.

```
 * NOTE: This function is not virtual, {_update} should be
overridden instead.
     */
function _transfer(address from, address to, uint256 value)
internal {
    if (from == address(0)) {
        revert ERC20InvalidSender(address(0));
    }
    if (to == address(0)) {
        revert ERC20InvalidReceiver(address(0));
    }
    _update(from, to, value);
}
```

Nevertheless, the contracts of this project have modified the `_transfer()` function to become virtual and directly overridden, bypassing the `_update` mechanism. This

approach breaks the consistency of the code and contradicts OpenZeppelin's best practices.

```
 * NOTE: This function is not virtual, {_update} should be
overridden instead.
     */
function _transfer(address from, address to, uint256 value)
internal virtual {
    if (from == address(0)) {
        revert ERC20InvalidSender(address(0));
    }
    if (to == address(0)) {
        revert ERC20InvalidReceiver(address(0));
    }
    _update(from, to, value);
}
```

Recommendation

The team is advised to follow the best practices outlined in the OpenZeppelin implementation to maintain code consistency and avoid potential issues arising from such discrepancies. By overriding the `_update` function, as recommended, customizations to transfers, mints, and burns can be implemented without breaking the intended structure of the code.

MU - Modifiers Usage

Criticality	Minor / Informative
Location	AUDAI token.sol#L227,233,244
Status	Unresolved

Description

The contract is using repetitive statements on some methods to validate some preconditions. In Solidity, the form of preconditions is usually represented by the modifiers. Modifiers allow you to define a piece of code that can be reused across multiple functions within a contract. This can be particularly useful when you have several functions that require the same checks to be performed before executing the logic within the function.

```solidity
require(_address != address(0), "address 0");
```

Recommendation

The team is advised to use modifiers since it is a useful tool for reducing code duplication and improving the readability of smart contracts. By using modifiers to perform these checks, it reduces the amount of code that is needed to write, which can make the smart contract more efficient and easier to maintain.

NWES - Nonconformity with ERC-20 Standard

Criticality	Minor / Informative
Location	auditAIToken.sol#L80
Status	Unresolved

Description

The contract is not fully conforming to the ERC20 Standard. Specifically, according to the standard, transfers of 0 values must be treated as normal transfers and fire the Transfer event. However the contract implements, a conditional check that prohibits transfers of 0 values.

This discrepancy between the contract's implementation and the ERC20 standard may lead to inconsistencies and incompatibilities with other contracts.

```
function _transfer(address from, address to, uint256 amount)
internal override {
require(amount > 0, "Transfer amount must be greater than zero");
...
}
```

Recommendation

The incorrect implementation of the ERC20 standard could potentially lead to problems when interacting with the contract, as other contracts or applications that expect the ERC20 interface may not behave as expected. The team is advised to review and revise the implementation of the transfer mechanism to ensure full compliance with the ERC20 standard. https://eips.ethereum.org/EIPS/eip-20.

PLPI - Potential Liquidity Provision Inadequacy

Criticality	Minor / Informative
Location	auditAIToken.sol#L143
Status	Unresolved

Description

The contract operates under the assumption that liquidity is consistently provided to the pair between the contract's token and the native currency. However, there is a possibility that liquidity is provided to a different pair. This inadequacy in liquidity provision in the main pair could expose the contract to risks. Specifically, during eligible transactions, where the contract attempts to swap tokens with the main pair, a failure may occur if liquidity has been added to a pair other than the primary one. Consequently, transactions triggering the swap functionality will result in a revert.

```solidity
function _swapTokensForEth(uint256 tokenAmount)  internal
lockTheSwap{
    address[] memory path = new address[](2);
    path[0] = address(this);
    path[1] = uniswapRouter.WETH();

    _approve(address(this), address(uniswapRouter), tokenAmount);


uniswapRouter.swapExactTokensForETHSupportingFeeOnTransferTokens(
    tokenAmount,
    0,
    path,
    feeCollector,
    block.timestamp
    );
}
```

Recommendation

The team is advised to implement a runtime mechanism to check if the pair has adequate liquidity provisions. This feature allows the contract to omit token swaps if the pair does not have adequate liquidity provisions, significantly minimizing the risk of potential failures.

Furthermore, the team could ensure the contract has the capability to switch its active pair in case liquidity is added to another pair.

Additionally, the contract could be designed to tolerate potential reverts from the swap functionality, especially when it is a part of the main transfer flow. This can be achieved by executing the contract's token swaps in a non-reversible manner, thereby ensuring a more resilient and predictable operation.

PTRP - Potential Transfer Revert Propagation

Criticality	Minor / Informative
Location	auditAIToken.sol#L200
Status	Unresolved

Description

The contract sends funds to a `developer` and a `marketing` wallet as part of the transfer flow. These addresses can either be wallet addresses or contracts. If either of the addresses belongs to a contract then it may revert from incoming payments. As a result, the error will propagate to the token's contract and revert the transfer.

```
function distribution() internal {
    ...
    (bool success, ) = developer.call{value: toSentDeveloper}("");
    require(success, "developer transfer failed.");
    (bool success2, ) = marketing.call{value: toSentMarketing}("");
    require(success2, "marketing transfer failed.");
    ...
}
```

Recommendation

The contract should tolerate the potential revert from the underlying contracts when the interaction is part of the main transfer flow. This could be achieved by not allowing set contract addresses or by sending the funds in a non-revertable way.

RRA - Redundant Repeated Approvals

Criticality	Minor / Informative
Location	auditAIToken.sol#L148
Status	Unresolved

Description

The contract is designed to `approve` token transfers during the contract's operation by calling the _approve function before specific operations. This approach results in additional gas costs since the approval process is repeated for every operation execution, leading to inefficiencies and increased transaction expenses.

```
_approve(address(this), address(uniswapRouter), tokenAmount);
```

Recommendation

Since the approved address is a trusted third-party source, it is recommended to optimize the contract by approving the maximum amount of tokens once in the initial set of the variable, rather than before each operation. This change will reduce the overall gas consumption and improve the efficiency of the contract.

RSU - Redundant State Updates

Criticality	Minor / Informative
Location	auditAIToken.sol#L159
Status	Unresolved

Description

The contract contains functions that redundantly update the state with the same variables, increasing complexity, gas consumption, and reducing readability. Specifically, the `checkHolders()` function updates records for users whose balances exceed a fixed threshold and is invoked after every transfer operation. In the case that a user already exceeds the threshold, the function redundantly deletes and rewrite their records with unchanged values for the `_amountToClaim` and `_lastClaimedTimestamp` in `holdersList[holders[i]]` mapping. This redundancy raises the gas fees for transfers involving users whose status has not changed.

```
function checkHolders(address from, address to) internal {
        uint hundredThousand = 100000e18;
        address[] memory holders = new address[](2);
        holders[0] = from;
        holders[1] = to;

        address[] memory stakers = new address[](2);
        stakers[0] = from;
        stakers[1] = to;

        for(uint i=0; i<2; i++){
            uint _amountToClaim =
holdersList[holders[i]].amountToClaim;
            uint _lastClaimedTimestamp =
holdersList[holders[i]].lastClaimedTimestamp;
            if(holdersList[holders[i]].index != 0){
                totalHoldedTokens -= stakersAmount[stakers[i]];
                totalHoldedTokens -= balanceOf(holders[i]);
            }
            delete indexToHolder[holdersList[holders[i]].index];
            delete holdersList[holders[i]];
            if(balanceOf(holders[i]) + stakersAmount[stakers[i]] >=
hundredThousand && !excludedFromRewards[holders[i]]){
                holderLastIndex++;
                holdersList[holders[i]] = Holder({
                    index: holderLastIndex,
                    amountToClaim: _amountToClaim,
                    lastClaimedTimestamp: _lastClaimedTimestamp
                });
                indexToHolder[holderLastIndex] = holders[i];
                uint totalHolded = balanceOf(holders[i]) +
stakersAmount[stakers[i]];
                totalHoldedTokens += totalHolded;
            }
        }
    }
```

Recommendation

The team should consider revising the `checkHolders()` function and the transfer mechanism to ensure optimal gas consumption for all users.

RDI - Reward Distribution Inconsistency

Criticality	Minor / Informative
Location	auditAIToken.sol#L29
Status	Unresolved

Description

The contract implements the `excludeFromRewards` function, which is intended to exclude specific addresses, such as the owner and the contract's address, from receiving rewards. However, the function does not adequately account for the exclusion of critical addresses, including the `uniswapRouter`, `uniswapPair`, and `universalRouter`. This oversight may result in a significant portion of rewards being inadvertently assigned to these addresses, thereby rendering them inaccessible.

```solidity
function excludeFromRewards(address _address, bool _isExclude)
public onlyOwner {
        require(_address != address(0), "address 0");
        excludedFromRewards[_address] = _isExclude;
        emit UpdateExcludedFromRewards(_address, _isExclude);
}
```

Recommendation

The team is advised to exclude critical addresses from receiving rewards through the `excludeFromRewards` function. Implementing this measure will ensure that the contract behaves as intended and aligns with the expected reward distribution mechanism.

UTPD - Unverified Third Party Dependencies

Criticality	Minor / Informative
Location	auditAIToken.sol#L250
Status	Unresolved

Description

The contract uses an external contract in order to determine the transaction's flow. The external contract is untrusted. As a result, it may produce security issues and harm the transactions. In this case the staking contract has the authority to modify the state for the staked amount of any user potentially affecting functions such as the reward distribution.

```solidity
function updateStakedBalance(address user, uint amount) external {
require(msg.sender == staking, "Only staking contract can update balance!");
stakersAmount[user] = amount;
}
```

Recommendation

The contract should use a trusted external source. A trusted source could be either a commonly recognized or an audited contract. The pointing addresses should not be able to change after the initialization.

ZARA - Zero Address Rewards Allocation

Criticality	Minor / Informative
Location	auditAIToken.sol#L192
Status	Unresolved

Description

The contract's `distribution` function lacks a mechanism to prevent rewards from being assigned to the zero address. The function iterates over a range of indices `[holderMinIndex, holderLastIndex]` to distribute rewards. If an index corresponds to the zero address, the contract inadvertently allocates rewards to it. This can lead to inconsistencies, deviating from the intended contract behavior.

```solidity
function distribution() internal nonReentrant{
...
for (uint i = holderMinIndex; i <= holderLastIndex; i++) {
    if(indexToHolder[i] != address(0)){
        if (!firstValidHolderFound) {
            tempMinIndex = i;
            firstValidHolderFound = true;
            }
        }
        uint amount = balanceOf(indexToHolder[i]) +
stakersAmount[indexToHolder[i]];
        uint reward = (holdersReward * amount / totalHoldedTokens);
        holdersList[indexToHolder[i]].amountToClaim += reward;
    }
...
}
```

```solidity
function checkHolders(address from, address to) internal {
...
delete indexToHolder[holdersList[holders[i]].index];
...
}
```

Recommendation

The team is advised to implement a conditional check against the zero address to ensure rewards are properly handled.

L02 - State Variables could be Declared Constant

Criticality	Minor / Informative
Location	auditAIToken.sol#L17,18,41
Status	Unresolved

Description

State variables can be declared as constant using the constant keyword. This means that the value of the state variable cannot be changed after it has been set. Additionally, the constant variables decrease gas consumption of the corresponding transaction.

```
address private universalRouter =
0x3fC91A3afd70395Cd496C647d5a6CC9D4B2b7FAD
address private uniswapFeeCollector =
0x000000fee13a103A10D593b9AE06b3e05F2E7E1c
uint256 private sThreshold = 30000e18
```

Recommendation

Constant state variables can be useful when the contract wants to ensure that the value of a state variable cannot be changed by any function in the contract. This can be useful for storing values that are important to the contract's behavior, such as the contract's address or the maximum number of times a certain function can be called. The team is advised to add the constant keyword to state variables that never change.

L04 - Conformance to Solidity Naming Conventions

Criticality	Minor / Informative
Location	auditAlToken.sol#L54,227,233,244
Status	Unresolved

Description

The Solidity style guide is a set of guidelines for writing clean and consistent Solidity code. Adhering to a style guide can help improve the readability and maintainability of the Solidity code, making it easier for others to understand and work with.

The followings are a few key points from the Solidity style guide:

1. Use camelCase for function and variable names, with the first letter in lowercase (e.g., myVariable, updateCounter).
2. Use PascalCase for contract, struct, and enum names, with the first letter in uppercase (e.g., MyContract, UserStruct, ErrorEnum).
3. Use uppercase for constant variables and enums (e.g., MAX_VALUE, ERROR_CODE).
4. Use indentation to improve readability and structure.
5. Use spaces between operators and after commas.
6. Use comments to explain the purpose and behavior of the code.
7. Keep lines short (around 120 characters) to improve readability.

```
mapping(address => bool) public _isExcludedFromFee
bool _isExclude
address _address
```

Recommendation

By following the Solidity naming convention guidelines, the codebase increased the readability, maintainability, and makes it easier to work with.

Find more information on the Solidity documentation

https://docs.soliditylang.org/en/stable/style-guide.html#naming-conventions.

Functions Analysis

Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
AuditAI	Implementation	ERC20, Ownable, ReentrancyGuard		
		Public	✓	ERC20 Ownable
	_transfer	Internal	✓	
	claim	Public	✓	nonReentrant
	_swapTokensForEth	Internal	✓	lockTheSwap
	checkHolders	Internal	✓	
	distribution	Internal	✓	nonReentrant
	excludeFromTax	External	✓	onlyOwner
	excludeFromRewards	Public	✓	onlyOwner
	openTrading	External	✓	onlyOwner
	setStakingAddress	External	✓	onlyOwner
	updateStakedBalance	External	✓	-
		External	Payable	-
		External	Payable	-

Inheritance Graph
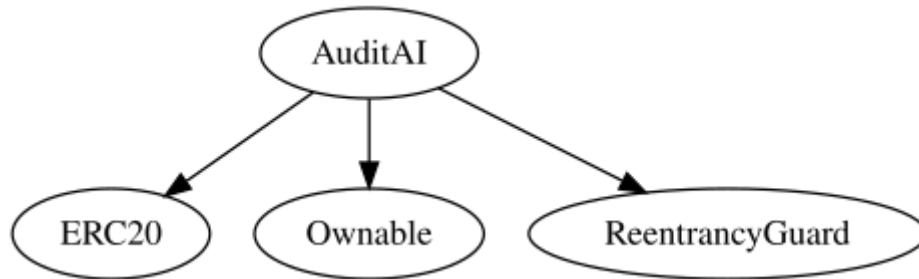
Flow Graph
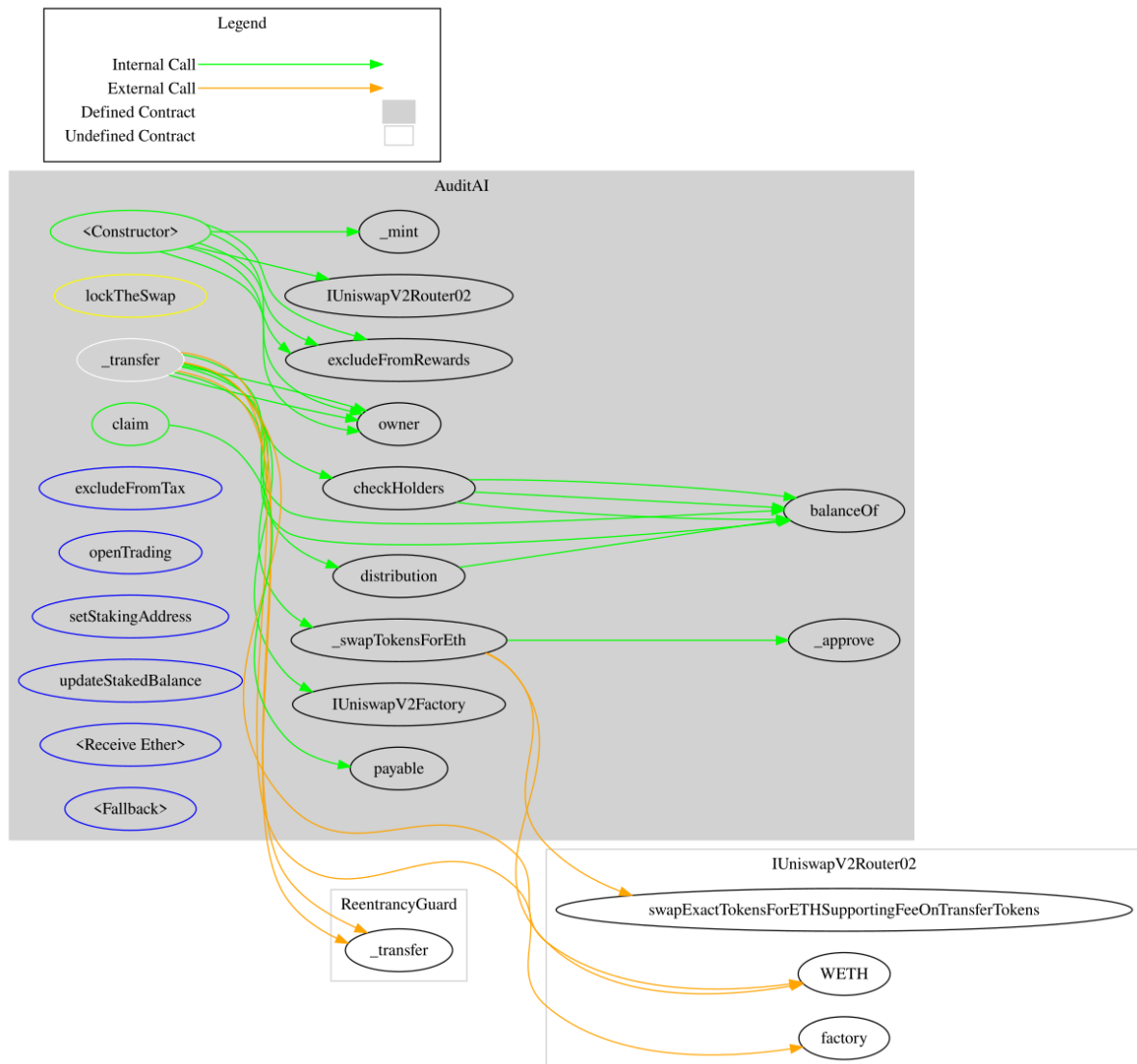
Summary

The audited contract implements a token mechanism. This audit investigated security issues, business logic concerns and potential improvements. The Smart Contract analysis reported a critical and two medium severity issues. Other issues of moderate severity concern the consistent and robust execution of the code.

Disclaimer

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Blockchain technology and cryptographic assets present a high level of ongoing risk Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.

The Cyberscope team

cyberscope.io