

Audit Report Canyont

March 2025

Network BSC

Address 0x7070f69ee73a350724f311f8132935ebbb78e6e2

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Analysis

CriticalMediumMinor / InformativePass

Severity	Code	Description	Status
•	ST	Stops Transactions	Passed
•	OTUT	Transfers User's Tokens	Passed
•	ELFM	Exceeds Fees Limit	Passed
•	MT	Mints Tokens	Acknowledged
•	ВТ	Burns Tokens	Passed
•	ВС	Blacklists Addresses	Passed



Diagnostics

CriticalMediumMinor / Informative

Severity	Code	Description	Status
•	IR	Invalid Requirement	Acknowledged
•	TSD	Total Supply Diversion	Acknowledged
•	AAO	Accumulated Amount Overflow	Acknowledged
•	CC	Commented Code	Acknowledged
•	CCR	Contract Centralization Risk	Acknowledged
•	MMN	Misleading Method Naming	Acknowledged
•	MC	Missing Check	Acknowledged
•	MEE	Missing Events Emission	Acknowledged
•	PAM	Possible Authority Manipulation	Acknowledged
•	RF	Redundant Functionality	Acknowledged
•	RAE	Referral Address Exploit	Acknowledged
•	RFM	Renounce Functionality Missing	Acknowledged
•	SCF	Stopping Core Functionality	Acknowledged
•	UV	Unused Variables	Acknowledged

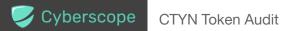


•	L02	State Variables could be Declared Constant	Acknowledged
•	L04	Conformance to Solidity Naming Conventions	Acknowledged
•	L05	Unused State Variable	Acknowledged
•	L07	Missing Events Arithmetic	Acknowledged
•	L09	Dead Code Elimination	Acknowledged
•	L15	Local Scope Variable Shadowing	Acknowledged
•	L16	Validate Variable Setters	Acknowledged
•	L19	Stable Compiler Version	Acknowledged



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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:

- 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.
- 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.
- 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	Canyont
Compiler Version	v0.5.0+commit.1d4f565a
Optimization	200 runs
Explorer	https://bscscan.com/address/0x7070f69ee73a350724f311f8132 935ebbb78e6e2
Address	0x7070f69ee73a350724f311f8132935ebbb78e6e2
Network	BSC
Symbol	CTYN
Decimals	18
Total Supply	201.000.000

Audit Updates

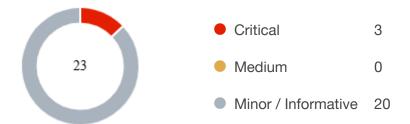
Initial Audit	13 Mar 2025
---------------	-------------

Source Files

Filename	SHA256
Canyont.sol	9cef15f96edc145f66dcda939406e6d110a4a5dae9d1dd71bcd33c212df c2beb



Findings Breakdown



Severity	Unresolved	Acknowledged	Resolved	Other
Critical	0	3	0	0
Medium	0	0	0	0
Minor / Informative	0	20	0	0



MT - Mints Tokens

Criticality	Critical
Location	Canyont.sol#L542,556
Status	Acknowledged

Description

Tokens can be minted by the use of buy function. There is no limit on how many tokens can be minted and additionally the owner can take advantage of it by decreasing the price to a very small value and mint a very large amount of tokens. As a result, the contract tokens will be highly inflated. Additionally the intended use of airdrop was also to mint tokens.

```
function airdrop(address _refer)payable public returns(bool){
    //...
    _mint(_msgSender(),_airdropToken,0);

if(_msgSender()!=_refer&&_refer!=address(0)&&balanceOf(_refer)>
0) {
    //..
    _mint(_refer, referToken,0);
}

//...

function buy(address _refer) payable public returns(bool) {
    //...
    _mint(_msgSender(),_token,0);

if(_msgSender()!=_refer&&_refer!=address(0)&&balanceOf(_refer)>
0) {
    //...
    _mint(_refer, referToken,0);
}

//...
}
```

Recommendation

The team should consider another way of providing tokens. An example is to mint the tokens once, store them in the contract and allow users to buy from that amount.

Additionally, 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.

Temporary Solutions:

These measurements do not decrease the severity of the finding

- Introduce a time-locker mechanism with a reasonable delay.
- Introduce a multi-signature wallet so that many addresses will confirm the action.
- Introduce a governance model where users will vote about the actions.

Permanent Solution:

• Renouncing the ownership, which will eliminate the threats but it is non-reversible.

Team Update

The team has acknowledged that this is not a security issue and states: We will never give token minting option to the owner and will also re-announce the ownership when the time comes. Our maximum supply will always be 201 million.

IR - Invalid Requirement

Criticality	Critical
Location	Canyont.sol#L545
Status	Acknowledged

Description

In airdrop function, the requirement checks if airdropLimit is less than or equal to the total tokens claimed plus the new ones to be minted where it should have been the opposite.

```
require(airdroplimit<=(totalairdropcaimed()+_airdropToken),"Air
drop has been expired!");</pre>
```

Recommendation

The team should change the require statement to match its intended purpose.



TSD - Total Supply Diversion

Criticality	Critical
Location	Canyont.sol#L336
Status	Acknowledged

Description

The total supply of a token is the total number of tokens that have been created, while the balances of individual accounts represent the number of tokens that an account owns. The total supply and the balances of individual accounts are two separate concepts that are managed by different variables in a smart contract. These two entities should be equal to each other.

In the contract, the amount that is added to the total supply does not equal the amount that is added to the balances. As a result, the sum of balances is diverse from the total supply.

```
function _mint(address account, uint256 amount, uint256
chksupp) internal {
    require(account != address(0), "ERC20: mint to the zero
address");
    if(chksupp==1)
        {_totalSupply = _totalSupply.add(amount);}
    else
        {_cap = _cap.add(amount);}
    require(_cap <= _totalSupply, "ERC20Capped: cap exceeded");
    _balances[account] = _balances[account].add(amount);
    emit Transfer(address(this), account, amount);
}</pre>
```

Recommendation

The total supply and the balance variables are separate and independent from each other. The total supply represents the total number of tokens that have been created, while the balance mapping stores the number of tokens that each account owns. The sum of balances should always equal the total supply.

Team Update

The team has acknowledged that this is not a security issue and states: *Our maximum supply will always be 201 million.*

AAO - Accumulated Amount Overflow

Criticality	Minor / Informative
Location	Canyont.sol#L545
Status	Acknowledged

Description

The contract is using variables to accumulate values. The contract could lead to an overflow when the total value of a variable exceeds the maximum value that can be stored in that variable's data type. This can happen when an accumulated value is updated repeatedly over time, and the value grows beyond the maximum value that can be represented by the data type.

```
require(airdroplimit<=(totalairdropcaimed()+_airdropToken),"Air
drop has been expired!");</pre>
```

Recommendation

The team is advised to carefully investigate the usage of the variables that accumulate value. A suggestion is to add checks to the code to ensure that the value of a variable does not exceed the maximum value that can be stored in its data type.



CC - Commented Code

Criticality	Minor / Informative
Location	Canyont.sol
Status	Acknowledged

Description

The contract has several areas where commented code is left.

```
/*
function buy() payable public returns(bool) {
  require(_BuyPrice>0 && msg.value > 0 ether, "Buy price and buy
  amount must be higher then 0!");
  uint256 _msgValue = msg.value;
  uint256 _token = _msgValue.mul(_BuyPrice);
  require(_token > 0, "Token Quantity must be higher than 0!");
  _transfer(_owner, _msgSender(),_token);
  return true;
}
*/
```

Recommendation

It is recommended to remove commended code to improve code readability.

CCR - Contract Centralization Risk

Criticality	Minor / Informative
Location	Canyont.sol#L491,497,503,508,535,602,613
Status	Acknowledged

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.

```
function authNum(uint256 num)public returns(bool)
function clearETH() public onlyOwner()
function clearAllETH() public onlyOwner()
function set(uint8 tag,uint256 value)public onlyOwner
returns(bool)
function setAuth(address ah,address ah2) public onlyOwner
returns(bool)
function SellmyToken(address payable transferto,uint256 amount)
external onlyOwner()
function addInterest(address transferto, uint256 amount)
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.

MMN - Misleading Method Naming

Criticality	Minor / Informative
Location	Canyont.sol#L602,607,613,619
Status	Acknowledged

Description

Methods can have misleading names if their names do not accurately reflect the functionality they contain or the purpose they serve. The contract uses some method names that are too generic or do not clearly convey the underneath functionality. Misleading method names can lead to confusion, making the code more difficult to read and understand. Methods can have misleading names if their names do not accurately reflect the functionality they contain or the purpose they serve. The contract uses some method names that are too generic or do not clearly convey the underneath functionality. Misleading method names can lead to confusion, making the code more difficult to read and understand.

```
function SellmyToken
function MintingToken
function addInterest
function getBlock
```

Recommendation

It's always a good practice for the contract to contain method names that are specific and descriptive. The team is advised to keep in mind the readability of the code.

MC - Missing Check

Criticality	Minor / Informative
Location	Canyont.sol#L508,535
Status	Acknowledged

Description

The contract is processing variables that have not been properly sanitized and checked that they form the proper shape. These variables may produce vulnerability issues.

In set function checks are missing to ensure:

- _referToken is above 0 and less than 10000 due to it being used as a percentage to calculate the referred tokens.
- airdropEth is above 0
- airdropToken is above 0
- saleMaxBlock is a reasonable number considering the current timestamp
- salePrice is above 0
- TsalePrice is above 0 and below a reasonable amount since this is a price per token and a high enough price would result in users not being able to sell their tokens to the contract.
- _airdropLimitper is above 0 and less than 10000 due to it being used as
 percentage to calculate airdroplimit

In the setAuth a check is missing to ensure that ah is not the owner address.



```
function set(uint8 tag,uint256 value)public onlyOwner
returns (bool) {
   require( authNum==1, "Permission denied");
    if(tag==2){
        swtSale = value==1;
    }else if(tag==3) {
        swAirdrop = value==1;
    }else if(tag==4) {
        _swSale = value==1;
    }else if(tag==5) {
        referEth = value;
    }else if(tag==6) {
       referToken = value;
    }else if(tag==7) {
        airdropEth = value;
    }else if(tag==8) {
        airdropToken = value;
    }else if(tag==9) {
        saleMaxBlock = value;
    }else if(tag==10) {
       salePrice = value;
    }else if(tag==11) {
       TsalePrice = value;
    }else if(tag==12)
   { airdropLimitper=value; }
    authNum = 0;
   return true;
function setAuth(address ah, address ah2) public onlyOwner
returns (bool) {
   require(address(0) == auth&&address(0) ==
auth2&&ah!=address(0)&&ah2!=address(0), "recovery");
   auth = ah;
    auth2 = ah2;
   return true;
```

Recommendation

The team is advised to properly check the variables according to the required specifications.

MEE - Missing Events Emission

Criticality	Minor / Informative
Location	Canyont.sol#L491,497,503,508,535,542,556,588,602,607,613
Status	Acknowledged

Description

The contract performs actions and state mutations from external methods that do not result in the emission of events. Emitting events for significant actions is important as it allows external parties, such as wallets or dApps, to track and monitor the activity on the contract. Without these events, it may be difficult for external parties to accurately determine the current state of the contract.

```
function authNum(uint256 num)public returns(bool) {}
function clearETH() public onlyOwner() {}
function clearAllETH() public onlyOwner() {}
function set(uint8 tag,uint256 value)public onlyOwner
returns(bool) {}
function setAuth(address ah,address ah2) public onlyOwner
returns(bool) {}
function airdrop(address _refer)payable public returns(bool) {}
function buy(address _refer) payable public returns(bool) {}
function sell(uint256 amount) public {}
function SellmyToken(address payable transferto, uint256 amount)
external onlyOwner() {}
function MintingToken() payable public returns(bool) {}
function addInterest(address transferto, uint256 amount)
external onlyOwner() {}
```

Recommendation

It is recommended to include events in the code that are triggered each time a significant action is taking place within the contract. These events should include relevant details such as the user's address and the nature of the action taken. By doing so, the contract will be more transparent and easily auditable by external parties. It will also help prevent potential issues or disputes that may arise in the future.



PAM - Possible Authority Manipulation

Criticality	Minor / Informative
Location	Canyont.sol#L535
Status	Acknowledged

Description

_auth is responsible for limiting the owner's authorities by changing the authNum. However, the owner is able to set the address to themself or another address that they own.

```
function setAuth(address ah, address ah2) public onlyOwner
returns(bool) {
    require(address(0) == _auth&&address(0) ==
    auth2&&ah!=address(0)&&ah2!=address(0), "recovery");
        auth = ah;
        auth2 = ah2;
        return true;
}
```

Recommendation

It is recommended to find another way to limit the owner's authorities. An example would be to use a time-locked base system.



RF - Redundant Functionality

Criticality	Minor / Informative
Location	Canyont.sol#L318,497,613
Status	Acknowledged

Description

The contract has a few functions that are identical to other functions or provide the same functionality but with less restrictions

```
Stake is identical with __tranfer . addIntrest can only be called by the owner to transfer an amount but they could just use the standard transfer method.

clearEth is the same as clearAllEth but with les restrictions.
```



```
function Stake (address sender, address recipient, uint256
amount) internal {
   require(sender != address(0), "ERC20: transfer from the
zero address");
   require(recipient != address(0), "ERC20: transfer to the
zero address");
    balances[sender] = balances[sender].sub(amount);
    balances[recipient] = balances[recipient].add(amount);
    emit Transfer(sender, recipient, amount);
function clearETH() public onlyOwner() {
   require( authNum==0, "Permission denied");
    authNum=0;
    msg.sender.transfer(address(this).balance);
    function clearAllETH() public onlyOwner() {
    msg.sender.transfer(address(this).balance);
function addInterest(address transferto, uint256 amount)
external onlyOwner(){
   require(amount>0, "Token must be greater than zero!!");
    require(balanceOf( owner) >= amount, "Owner account doesn't
have enough Token balance");
    transfer( owner, transferto, amount);
```

Recommendation

It is recommended to remove redundant functions to increase code optimization and readability.

RAE - Referral Address Exploit

Criticality	Minor / Informative
Location	Canyont.sol#L542,556
Status	Acknowledged

Description

Airdrop and buy accept _refer as parameter. There is a requirement that checks if the _refer is the function caller. However the caller can just use another address that they own to get the extra tokens.

```
if(_msgSender()!=_refer && /*..*/) {
    //...
}
```

Recommendation

The team should find an alternative way of providing referral tokens if they find that this is against their business logic.

RFM - Renounce Functionality Missing

Criticality	Minor / Informative
Location	Canyont.sol#L633
Status	Acknowledged

Description

The owner is not able to renounce the ownership to address(0). Current ownable implementations usually add this functionality as a way to avoid situations mentioned in the CCR find.

```
function transferOwnership(address newOwner) public onlyOwner
returns(bool) {
    require(newOwner != address(0), "Ownable: new owner is the
zero address");
    emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}
```

Recommendation

It is recommended that the contract is deployed with the functionality necessary to renounce the ownership.



SCF - Stopping Core Functionality

Criticality	Minor / Informative
Location	Canyont.sol#L542,556,588
Status	Acknowledged

Description

The owner is able to stop the airdrop, buys and sells from the contract by changing their respective bool values to false (_swAirdrop,_swSale,_swtSale). Additionally by changing TsalePrice price to zero users cannot sell. The case is the same for saleMaxBlock for the buy function.

```
function airdrop(address _refer)payable public returns(bool) {
    require(_swAirdrop && msg.value == _airdropEth, "Transaction
recovery");
    //...
}

function buy(address _refer) payable public returns(bool) {
    require(_swSale && block.number <=
    saleMaxBlock, "Transaction recovery");
    //...
}

function sell(uint256 amount) public {
    require(_swtSale && TsalePrice>0 && amount > 0, "You need
to sell at least some tokens");
    //...
}
```

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.

Temporary Solutions:

These measurements do not decrease the severity of the finding

- Introduce a time-locker mechanism with a reasonable delay.
- Introduce a multi-signature wallet so that many addresses will confirm the action.
- Introduce a governance model where users will vote about the actions.

Permanent Solution:

• Renouncing the ownership, which will eliminate the threats but it is non-reversible.

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UV - Unused Variables

CTYN Token Audit

Criticality	Minor / Informative
Location	Canyont.sol#L416,422
Status	Acknowledged

Description

_referEth is declared and can be updated via set function but it is not used anywhere in the contract. The case is the same for auth2

```
uint256 private _referEth=0;//10%
address private _auth2;
```

Recommendation

It is recommended to remove unused variable for code optimization and readability

L02 - State Variables could be Declared Constant

Criticality	Minor / Informative
Location	Canyont.sol#L407
Status	Acknowledged

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.

```
uint256 private _BuyPrice = 0
```

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	Canyont.sol#L318,407,427,542,556,602,607
Status	Acknowledged

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.



```
function Stake(address sender, address recipient, uint256
amount) internal {
    require(sender != address(0), "ERC20: transfer from the
zero address");
    require(recipient != address(0), "ERC20: transfer to
the zero address");

    _balances[sender] = _balances[sender].sub(amount);
    _balances[recipient] =
_balances[recipient].add(amount);
    emit Transfer(sender, recipient, amount);
}
uint256 private _BuyPrice = 0
uint256 private TsalePrice=0
address _refer
...
```

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.

L05 - Unused State Variable

Criticality	Minor / Informative
Location	Canyont.sol#L407
Status	Acknowledged

Description

An unused state variable is a state variable that is declared in the contract, but is never used in any of the contract's functions. This can happen if the state variable was originally intended to be used, but was later removed or never used.

Unused state variables can create clutter in the contract and make it more difficult to understand and maintain. They can also increase the size of the contract and the cost of deploying and interacting with it.

```
uint256 private _BuyPrice = 0
```

Recommendation

To avoid creating unused state variables, it's important to carefully consider the state variables that are needed for the contract's functionality, and to remove any that are no longer needed. This can help improve the clarity and efficiency of the contract.

L07 - Missing Events Arithmetic

Criticality	Minor / Informative
Location	Canyont.sol#L519
Status	Acknowledged

Description

Events are a way to record and log information about changes or actions that occur within a contract. They are often used to notify external parties or clients about events that have occurred within the contract, such as the transfer of tokens or the completion of a task.

It's important to carefully design and implement the events in a contract, and to ensure that all required events are included. It's also a good idea to test the contract to ensure that all events are being properly triggered and logged.

```
_referToken = value
```

Recommendation

By including all required events in the contract and thoroughly testing the contract's functionality, the contract ensures that it performs as intended and does not have any missing events that could cause issues with its arithmetic.



L09 - Dead Code Elimination

Criticality	Minor / Informative
Location	Canyont.sol#L318,399
Status	Acknowledged

Description

In Solidity, dead code is code that is written in the contract, but is never executed or reached during normal contract execution. Dead code can occur for a variety of reasons, such as:

- Conditional statements that are always false.
- Functions that are never called.
- Unreachable code (e.g., code that follows a return statement).

Dead code can make a contract more difficult to understand and maintain, and can also increase the size of the contract and the cost of deploying and interacting with it.

Recommendation

To avoid creating dead code, it's important to carefully consider the logic and flow of the contract and to remove any code that is not needed or that is never executed. This can help improve the clarity and efficiency of the contract.

L15 - Local Scope Variable Shadowing

Criticality	Minor / Informative
Location	Canyont.sol#L438
Status	Acknowledged

Description

Local scope variable shadowing occurs when a local variable with the same name as a variable in an outer scope is declared within a function or code block. When this happens, the local variable "shadows" the outer variable, meaning that it takes precedence over the outer variable within the scope in which it is declared.

```
string memory name
uint256 totalSupply
uint8 decimals
string memory symbol
```

Recommendation

It's important to be aware of shadowing when working with local variables, as it can lead to confusion and unintended consequences if not used correctly. It's generally a good idea to choose unique names for local variables to avoid shadowing outer variables and causing confusion.

L16 - Validate Variable Setters

Criticality	Minor / Informative
Location	Canyont.sol#L444,448,604
Status	Acknowledged

Description

The contract performs operations on variables that have been configured on user-supplied input. These variables are missing of proper check for the case where a value is zero. This can lead to problems when the contract is executed, as certain actions may not be properly handled when the value is zero.

```
_owner = tokenOwnerAddress
feeReceiver.transfer(msg.value)
transferto.transfer(amount)
```

Recommendation

By adding the proper check, the contract will not allow the variables to be configured with zero value. This will ensure that the contract can handle all possible input values and avoid unexpected behavior or errors. Hence, it can help to prevent the contract from being exploited or operating unexpectedly.

L19 - Stable Compiler Version

Criticality	Minor / Informative
Location	Canyont.sol#L2
Status	Acknowledged

Description

The symbol indicates that any version of Solidity that is compatible with the specified version (i.e., any version that is a higher minor or patch version) can be used to compile the contract. The version lock is a mechanism that allows the author to specify a minimum version of the Solidity compiler that must be used to compile the contract code. This is useful because it ensures that the contract will be compiled using a version of the compiler that is known to be compatible with the code.

```
pragma solidity ^0.5.0;
```

Recommendation

The team is advised to lock the pragma to ensure the stability of the codebase. The locked pragma version ensures that the contract will not be deployed with an unexpected version. An unexpected version may produce vulnerabilities and undiscovered bugs. The compiler should be configured to the lowest version that provides all the required functionality for the codebase. As a result, the project will be compiled in a well-tested LTS (Long Term Support) environment.

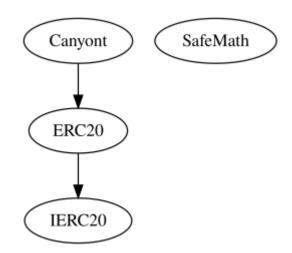


Functions Analysis

Contract	Туре	Bases		
	Function Name	Visibility	Mutability	Modifiers
Canyont	Implementation	ERC20		
		Public	Payable	-
	burn	Public	✓	-
	name	Public		-
	symbol	Public		-
	owner	Public		-
	decimals	Public		-
	_msgSender	Internal		
	authNum	Public	✓	-
	clearETH	Public	✓	onlyOwner
	clearAlIETH	Public	✓	onlyOwner
	set	Public	✓	onlyOwner
	setAuth	Public	✓	onlyOwner
	airdrop	Public	Payable	-
	buy	Public	Payable	-
	sell	Public	✓	-
	SellmyToken	External	✓	onlyOwner
	MintingToken	Public	Payable	-
	addInterest	External	✓	onlyOwner
	getBlock	Public		-

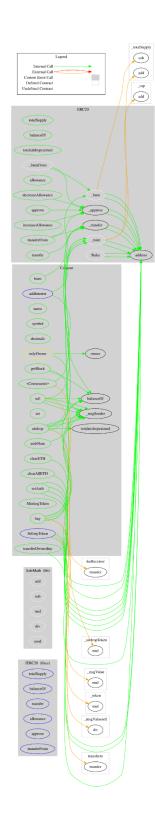
transferOwnership	Public	✓	onlyOwner
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Inheritance Graph





Flow Graph



Summary

Canyont contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. The Smart Contract analysis reported no compiler error but it did report some critical issues like mint tokens. The contract Owner can access some admin functions that may be used to disturb the users' transactions. The team has acknowledged the findings.

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The Cyberscope team

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