



Coinhound Smart Contract Audit Report

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
Coinhound	CND	BSC

Addresses

Contract address	0x4a7DbA30250aBE3CAbe3d3809CF843aa0394623F
Contract deployer address	0xf4D0bE5E827f0cB2EF7c1165560990B1e63A9251

Project Website

https://coinhound.io/

Codebase

https://bscscan.com/address/0x4a7DbA30250aBE3CAbe3d3809CF843aa0394623F#code

SUMMARY

Coinhound is on a mission, to make the decentralized space fun, safer, and smarter for everyone. Coinhound is the first GameFi dApp (Decentralized application) that users can use to scan and track important information all across the blockchain network. We are community driven, one of a kind, and committed to delivering a game changing product. Unlocked tokens are now locked in Mudra locker, check our Telegram for TXN.

Contract Summary

Documentation Quality

Coinhound provides a document with an excellent standard of solidity base code.

- The technical description is clearly structured and has some low-risk issues.

Code Quality

The Overall quality of the basecode is GOOD

- Standard solidity basecode and rules are already followed with the Coinhound project.

Test Coverage

Test coverage of the project is 100% (Through Codebase)

Audit Findings Summary

- SWC-101 | Arithmetic operation Issues discovered on lines 445, 455, 463, 482, 484, 496, 497, 511, 513, 612, 613, 633, 634, 636, 637, 671, 676, 678, 684, 689, 691, 752, 753, 754, 757, 762, 762, 781, 782, 797, 804, 805, 820, 848, 875, 876, 879, 880, 810, 811, 838, and 839.

CONCLUSION

We have audited the Coinhound project released on January 2023 to discover issues and identify potential security vulnerabilities in Coinhound Project. This process finds bugs, technical issues, and security loopholes that find some common issues in the code.

The security audit report produced satisfactory results with a low risk issue on the contract project.

The most common issue found in writing code on contracts that do not pose a big risk, writing on contracts is close to the standard of writing contracts in general. Some of the common issues that were found were integer overflow and underflow. We recommend functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously

AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	PASS
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	PASS
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Check-Effect Interaction	SWC-107	Check-Effect-Interaction pattern should be followed if the code performs ANY external call.	PASS
Assert Violation	SWC-110	Properly functioning code should never reach a failing assert statement.	PASS
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Caller	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS
DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS

Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	PASS
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique Id	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS

SMART CONTRACT ANALYSIS

Started	Sat Jan 21 2023 02:23:08 GMT+0000 (Coordinated Universal Time)
Finished	Sun Jan 22 2023 03:33:18 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	Cnd.Sol

Detected Issues

ID	Title	Severity	Status
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged

SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged

SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 445

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
444 unchecked {  
445   _approve(sender, _msgSender(), currentAllowance - amount);  
446 }  
447 }  
448
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 455

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
454 function increaseAllowance(address spender, uint256 addedValue) public virtual
    returns (bool) {
455     _approve(_msgSender(), spender, _allowances[_msgSender()][spender] + addedValue);
456     return true;
457 }
458
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 463

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
462     unchecked {  
463         _approve(_msgSender(), spender, currentAllowance - subtractedValue);  
464     }  
465  
466     return true;
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 482

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
481     unchecked {  
482         _balances[sender] = senderBalance - amount;  
483     }  
484     _balances[recipient] += amount;  
485
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 484

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
483     }  
484     _balances[recipient] += amount;  
485  
486     emit Transfer(sender, recipient, amount);  
487
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 496

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
495
496   _totalSupply += amount;
497   _balances[account] += amount;
498   emit Transfer(address(0), account, amount);
499
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 497

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
496 _totalSupply += amount;  
497 _balances[account] += amount;  
498 emit Transfer(address(0), account, amount);  
499  
500 _afterTokenTransfer(address(0), account, amount);
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 511

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
510     unchecked {  
511         _balances[account] = accountBalance - amount;  
512     }  
513     _totalSupply -= amount;  
514
```

SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

LINE 513

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
512     }  
513     _totalSupply -= amount;  
514  
515     emit Transfer(account, address(0), amount);  
516
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 612

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
611
612 _totalFeesOnBuy    = liquidityFeeOnBuy  + marketingFeeOnBuy;
613 _totalFeesOnSell    = liquidityFeeOnSell + marketingFeeOnSell;
614
615 walletToWalletTransferFee = 0;
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 613

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
612 _totalFeesOnBuy    = liquidityFeeOnBuy  + marketingFeeOnBuy;  
613 _totalFeesOnSell   = liquidityFeeOnSell + marketingFeeOnSell;  
614  
615 walletToWalletTransferFee = 0;  
616
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 633

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
632
633  _mint(owner(), 1e9 * (10 ** decimals()));
634  swapTokensAtAmount = totalSupply() / 5_000;
635
636  maxTransactionAmountBuy      = totalSupply() * 20 / 1000;
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 634

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
633  _mint(owner(), 1e9 * (10 ** decimals()));  
634  swapTokensAtAmount = totalSupply() / 5_000;  
635  
636  maxTransactionAmountBuy    = totalSupply() * 20 / 1000;  
637  maxTransactionAmountSell   = totalSupply() * 20 / 1000;
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 636

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
635
636  maxTransactionAmountBuy    = totalSupply() * 20 / 1000;
637  maxTransactionAmountSell  = totalSupply() * 20 / 1000;
638
639  swapEnabled = true;
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 637

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
636 maxTransactionAmountBuy    = totalSupply() * 20 / 1000;  
637 maxTransactionAmountSell  = totalSupply() * 20 / 1000;  
638  
639 swapEnabled = true;  
640 }
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 671

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
670 function updateBuyFees(uint256 _liquidityFeeOnBuy, uint256 _marketingFeeOnBuy)
external onlyOwner {
671     uint256 oldFee = _totalFeesOnBuy + _totalFeesOnSell;
672
673     liquidityFeeOnBuy = _liquidityFeeOnBuy;
674     marketingFeeOnBuy = _marketingFeeOnBuy;
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 676

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
675
676  _totalFeesOnBuy    = liquidityFeeOnBuy + marketingFeeOnBuy;
677
678  require(_totalFeesOnBuy + _totalFeesOnSell <= oldFee, "Total Fees cannot exceed the
old fee");
679
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 678

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
677
678     require(_totalFeesOnBuy + _totalFeesOnSell <= oldFee, "Total Fees cannot exceed the
old fee");
679
680     emit UpdateBuyFees(liquidityFeeOnBuy, marketingFeeOnBuy);
681 }
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 684

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
683  function updateSellFees(uint256 _liquidityFeeOnSell, uint256 _marketingFeeOnSell)
external onlyOwner {
684  uint256 oldFee = _totalFeesOnBuy + _totalFeesOnSell;
685
686  liquidityFeeOnSell = _liquidityFeeOnSell;
687  marketingFeeOnSell = _marketingFeeOnSell;
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 689

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
688
689  _totalFeesOnSell    = liquidityFeeOnSell + marketingFeeOnSell;
690
691  require(_totalFeesOnBuy + _totalFeesOnSell <= oldFee, "Total Fees cannot exceed the
old fee");
692
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 691

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
690
691   require(_totalFeesOnBuy + _totalFeesOnSell <= oldFee, "Total Fees cannot exceed the
old fee");
692
693   emit UpdateSellFees(liquidityFeeOnSell, marketingFeeOnSell);
694   }
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 747

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
746 to == uniswapV2Pair &&  
747 _totalFeesOnBuy + _totalFeesOnSell > 0 &&  
748 swapEnabled  
749 ) {  
750     swapping = true;
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 752

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
751
752 uint256 totalFee = _totalFeesOnBuy + _totalFeesOnSell;
753 uint256 liquidityShare = liquidityFeeOnBuy + liquidityFeeOnSell;
754 uint256 marketingShare = marketingFeeOnBuy + marketingFeeOnSell;
755
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 753

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
752  uint256 totalFee = _totalFeesOnBuy + _totalFeesOnSell;  
753  uint256 liquidityShare = liquidityFeeOnBuy + liquidityFeeOnSell;  
754  uint256 marketingShare = marketingFeeOnBuy + marketingFeeOnSell;  
755  
756  if (liquidityShare > 0) {
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 754

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
753 uint256 liquidityShare = liquidityFeeOnBuy + liquidityFeeOnSell;  
754 uint256 marketingShare = marketingFeeOnBuy + marketingFeeOnSell;  
755  
756 if (liquidityShare > 0) {  
757     uint256 liquidityTokens = contractTokenBalance * liquidityShare / totalFee;
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 757

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
756  if (liquidityShare > 0) {  
757  uint256 liquidityTokens = contractTokenBalance * liquidityShare / totalFee;  
758  swapAndLiquify(liquidityTokens);  
759  }  
760
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 762

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
761  if (marketingShare > 0) {  
762  uint256 marketingTokens = contractTokenBalance * marketingShare / totalFee;  
763  swapAndSendMarketing(marketingTokens);  
764  }  
765
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 762

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
761  if (marketingShare > 0) {  
762  uint256 marketingTokens = contractTokenBalance * marketingShare / totalFee;  
763  swapAndSendMarketing(marketingTokens);  
764  }  
765
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 781

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
780  if (_totalFees > 0) {  
781  uint256 fees = (amount * _totalFees) / 100;  
782  amount = amount - fees;  
783  super._transfer(from, address(this), fees);  
784  }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 782

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
781     uint256 fees = (amount * _totalFees) / 100;  
782     amount = amount - fees;  
783     super._transfer(from, address(this), fees);  
784 }  
785
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 797

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
796 function setSwapTokensAtAmount(uint256 newAmount) external onlyOwner{
797     require(newAmount > totalSupply() / 1_000_000, "SwapTokensAtAmount must be greater
than 0.0001% of total supply");
798     swapTokensAtAmount = newAmount;
799
800     emit SwapTokensAtAmountUpdated(swapTokensAtAmount);
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 804

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
803 function swapAndLiquify(uint256 tokens) private {  
804     uint256 half = tokens / 2;  
805     uint256 otherHalf = tokens - half;  
806  
807     uint256 initialBalance = address(this).balance;
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 805

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
804 uint256 half = tokens / 2;  
805 uint256 otherHalf = tokens - half;  
806  
807 uint256 initialBalance = address(this).balance;  
808
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 820

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
819
820  uint256 newBalance = address(this).balance - initialBalance;
821
822  uniswapV2Router.addLiquidityETH{value: newBalance}(
823    address(this),
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 848

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
847
848     uint256 newBalance = address(this).balance - initialBalance;
849
850     payable(marketingWallet).sendValue(newBalance);
851
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 875

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
874     require(  
875         _maxTransactionAmountBuy  >= (totalSupply() / (10 ** decimals())) / 1_000 &&  
876         _maxTransactionAmountSell >= (totalSupply() / (10 ** decimals())) / 1_000,  
877         "Max Transaction limis cannot be lower than 0.1% of total supply"  
878     );
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 876

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
875  _maxTransactionAmountBuy  >= (totalSupply() / (10 ** decimals())) / 1_000 &&  
876  _maxTransactionAmountSell >= (totalSupply() / (10 ** decimals())) / 1_000,  
877  "Max Transaction limis cannot be lower than 0.1% of total supply"  
878  );  
879  maxTransactionAmountBuy  = _maxTransactionAmountBuy  * (10 ** decimals());
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 879

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
878 );  
879 maxTransactionAmountBuy = _maxTransactionAmountBuy * (10 ** decimals());  
880 maxTransactionAmountSell = _maxTransactionAmountSell * (10 ** decimals());  
881  
882 emit MaxTransactionLimitAmountChanged(maxTransactionAmountBuy,  
maxTransactionAmountSell);
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 880

low SEVERITY

This plugin produces issues to support false positive discovery within Mythril.

Source File

- cnd.sol

Locations

```
879     maxTransactionAmountBuy  = _maxTransactionAmountBuy  * (10 ** decimals());
880     maxTransactionAmountSell = _maxTransactionAmountSell * (10 ** decimals());
881
882     emit MaxTransactionLimitAmountChanged(maxTransactionAmountBuy,
maxTransactionAmountSell);
883 }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 810

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- cnd.sol

Locations

```
809 address[] memory path = new address[](2);
810 path[0] = address(this);
811 path[1] = uniswapV2Router.WETH();
812
813 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 811

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- cnd.sol

Locations

```
810 path[0] = address(this);  
811 path[1] = uniswapV2Router.WETH();  
812  
813 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(  
814     half,
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 838

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- cnd.sol

Locations

```
837 address[] memory path = new address[](2);
838 path[0] = address(this);
839 path[1] = uniswapV2Router.WETH();
840
841 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 839

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- cnd.sol

Locations

```
838 path[0] = address(this);  
839 path[1] = uniswapV2Router.WETH();  
840  
841 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(  
842 tokenAmount,
```

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