

BabyCAW
Smart Contract
Audit Report





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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain	
BabyCAW	BabyCAW	Ethereum	

Addresses

Contract address	0x25cd00d22F2255235Ef6823cdA8ad003Dc68d859
Contract deployer address	0x219Ffad28740628653DAa9447f33210267738D52

Project Website

https://babycawcoin.com/

Codebase

https://etherscan.io/address/0x25cd00d22F2255235Ef6823cdA8ad003Dc68d859#code



SUMMARY

Babycaw is a decentralized DeFi project built on the ethereum blockchain (ERC20). It is inspired by the vision of Ryoshi (Founder of the \$CAW & SHIBA) which is to achieve a truly decentralized and fully autonomous cryptocurrency project which is solely of teh people, by teh people and for teh people. This ideology is synonymous to what Abraham Lincoln himself envisioned for democracy which he defined as "a government of the people, by the people and for the people".

Contract Summary

Documentation Quality

BabyCAW provides a very good documentation with standard of solidity base code.

• The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

 Standard solidity basecode and rules are already followed by BabyCAW with the discovery of several low issues.

Test Coverage

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

Audit Findings Summary

- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 62, 74, 84, 85, 97, 109, 216, 466, 466, 467, 467, 498, 498, 510, 510, 624, 659, 661, 803, 804, 805, 806, 884, 901, 974, 974, 974, 974 and 661.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 31.
- SWC-110 SWC-123 | It is recommended to use of revert(), assert(), and require() in Solidity, and the new REVERT opcode in the EVM on lines 625, 660, 661, 661, 750, 751, 885, 885, 886, 887, 1022 and 1023.



CONCLUSION

We have audited the BabyCAW project released on June 2022 to discover issues and identify potential security vulnerabilities in BabyCAW Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides a satisfactory result with some low-risk issues.

The issues found in the BabyCAW smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issues found are some arithmetic operation issues, a floating pragma is set and out of bounds array access which the index access expression can cause an exception in case of the use of an invalid array index value.



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.		
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.	ISSUE FOUND	
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS	
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS	
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	e it PASS	
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS	
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS	
Assert Violation	SWC-110 SWC-123	1 7		
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS	
Delegate call to Untrusted Callee	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
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	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
Insufficient Gas Griefing	SWC-126	Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract.	PASS
Arbitrary Jump Function	SWC-127	As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.	PASS



Typographical Error	SWC-129	A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable.	PASS
Override control character	SWC-130	Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract.	
Unused variables	SWC-131 SWC-135	Unused variables are allowed in Solidity and they do not pose a direct security issue.	PASS
Unexpected Ether balance	SWC-132	Contracts can behave erroneously when they strictly assume a specific Ether balance.	PASS
Hash Collisions Variable	SWC-133	Using abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The transfer() and send() functions forward a fixed amount of 2300 gas.	PASS
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS



SMART CONTRACT ANALYSIS

Started	Thursday Jun 09 2022 07:43:21 GMT+0000 (Coordinated Universal Time)		
Finished	Friday Jun 10 2022 16:36:27 GMT+0000 (Coordinated Universal Time)		
Mode	Standard		
Main Source File	BabyCAW.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	COMPILER-REWRITABLE " <uint> - 1" DISCOVERED</uint>	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
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SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
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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



LINE 62

low SEVERITY

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

Source File

- BabyCAW.sol

```
function add(uint256 a, uint256 b) internal pure returns (uint256) {
  uint256 c = a + b;
  require(c >= a, "SafeMath: addition overflow");
  return c;
  ret
```



LINE 74

low SEVERITY

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

Source File

- BabyCAW.sol

```
73  require(b <= a, errorMessage);
74  uint256 c = a - b;
75
76  return c;
77  }
78</pre>
```



LINE 84

low SEVERITY

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

Source File

- BabyCAW.sol

```
83
84 uint256 c = a * b;
85 require(c / a == b, "SafeMath: multiplication overflow");
86
87 return c;
88
```



LINE 85

low SEVERITY

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

Source File

- BabyCAW.sol

```
84  uint256 c = a * b;
85  require(c / a == b, "SafeMath: multiplication overflow");
86
87  return c;
88  }
89
```



LINE 97

low SEVERITY

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

Source File

- BabyCAW.sol

```
96 require(b > 0, errorMessage);
97  uint256 c = a / b;
98  // assert(a == b * c + a % b); // There is no case in which this doesn't hold
99
100 return c;
101
```



LINE 109

low SEVERITY

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

Source File

- BabyCAW.sol

```
108  require(b != 0, errorMessage);
109  return a % b;
110  }
111  }
112
113
```



LINE 216

low SEVERITY

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

Source File

- BabyCAW.sol

```
215    _owner = address(0);
216    _lockTime = block.timestamp + time;
217    emit OwnershipTransferred(_owner, address(0));
218  }
219
220
```



LINE 466

low SEVERITY

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

Source File

- BabyCAW.sol

```
465    uint256    private constant MAX = ~uint256(0);
466    uint256    private _tTotal = 333_333_333_333_333 * 10**18;
467    uint256    private _rTotal = (MAX - (MAX % _tTotal));
468    uint256    private _tFeeTotal;
469
470
```



LINE 466

low SEVERITY

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

Source File

- BabyCAW.sol

```
465    uint256    private constant MAX = ~uint256(0);
466    uint256    private _tTotal = 333_333_333_333_333 * 10**18;
467    uint256    private _rTotal = (MAX - (MAX % _tTotal));
468    uint256    private _tFeeTotal;
469
470
```



LINE 467

low SEVERITY

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

Source File

- BabyCAW.sol



LINE 467

low SEVERITY

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

Source File

- BabyCAW.sol

```
466    uint256    private _tTotal = 333_333_333_333_333 * 10**18;
467    uint256    private _rTotal = (MAX - (MAX % _tTotal));
468    uint256    private _tFeeTotal;
469
470    string private _name = "BabyCAW";
471
```



LINE 498

low SEVERITY

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

Source File

- BabyCAW.sol

```
497
498  uint256 public totalSwapableSaleFee = _saleLiquidityFee +_saleMarketingFee +
   _saleBuybackFee;
499
500  bool public blacklistMode = true;
501  mapping (address => bool) public isBlacklisted;
502
```



LINE 498

low SEVERITY

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

Source File

- BabyCAW.sol

```
497
498  uint256 public totalSwapableSaleFee = _saleLiquidityFee +_saleMarketingFee +
   _saleBuybackFee;
499
500  bool public blacklistMode = true;
501  mapping (address => bool) public isBlacklisted;
502
```



LINE 510

low SEVERITY

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

Source File

- BabyCAW.sol

```
509
510 uint256 private minimumTokensBeforeSwap = 100_000 * 10**18;
511
512 IUniswapV2Router02 public immutable uniswapV2Router;
513 address public immutable uniswapV2Pair;
514
```



LINE 510

low SEVERITY

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

Source File

- BabyCAW.sol

```
509
510 uint256 private minimumTokensBeforeSwap = 100_000 * 10**18;
511
512 IUniswapV2Router02 public immutable uniswapV2Router;
513 address public immutable uniswapV2Pair;
514
```



LINE 624

low SEVERITY

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

Source File

- BabyCAW.sol

```
function manage_blacklist(address[] calldata addresses, bool status) public
onlyOwner {
   for (uint256 i; i < addresses.length; ++i) {
     isBlacklisted[addresses[i]] = status;
   }
   for (addresses[i]] = status;
   }
   for (addresses[i]] = status;
     isBlacklisted[addresses[i]] = status;
   }
   for (addresses[i]] = status;
   }
   for (addresses[i]] = status;
   }
  for (addresses[i]] = status;
   }
   for (addresses[i]] = status;
   }
   for (addresses[i]] = status;
   }
   for (addresses[i]] = status;
   }
   for (addresses[i]] = status;
   for (address
```



LINE 659

low SEVERITY

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

Source File

- BabyCAW.sol

```
require(_isExcluded[account], "Account is already excluded");
for (uint256 i = 0; i < _excluded.length; i++) {
  if (_excluded[i] == account) {
    _excluded[i] = _excluded[_excluded.length - 1];
    _tOwned[account] = 0;
}</pre>
```



LINE 661

low SEVERITY

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

Source File

- BabyCAW.sol

```
660 if (_excluded[i] == account) {
661    _excluded[i] = _excluded[_excluded.length - 1];
662    _tOwned[account] = 0;
663    _isExcluded[account] = false;
664    _excluded.pop();
665
```



LINE 803

low SEVERITY

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

Source File

- BabyCAW.sol

```
if(totalSwapableFee==0) { return; }
liquidityTokensCollected += amount.mul(_liquidityFee).div(100);
devTokensCollected += amount.mul(_devFee).div(100);
marketingTokensCollected += amount.mul(_marketingFee).div(100);
buybackTokensCollected += amount.mul(_buybackFee).div(100);
```



LINE 804

low SEVERITY

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

Source File

- BabyCAW.sol

```
803 liquidityTokensCollected += amount.mul(_liquidityFee).div(100);
804 devTokensCollected += amount.mul(_devFee).div(100);
805 marketingTokensCollected += amount.mul(_marketingFee).div(100);
806 buybackTokensCollected += amount.mul(_buybackFee).div(100);
807 }
808
```



LINE 805

low SEVERITY

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

Source File

- BabyCAW.sol

```
devTokensCollected += amount.mul(_devFee).div(100);
marketingTokensCollected += amount.mul(_marketingFee).div(100);
buybackTokensCollected += amount.mul(_buybackFee).div(100);

807 }
808
809
```



LINE 806

low SEVERITY

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

Source File

- BabyCAW.sol

```
805 marketingTokensCollected += amount.mul(_marketingFee).div(100);
806 buybackTokensCollected += amount.mul(_buybackFee).div(100);
807 }
808
809
810
```



LINE 884

low SEVERITY

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

Source File

- BabyCAW.sol

```
883  uint256 tSupply = _tTotal;
884  for (uint256 i = 0; i < _excluded.length; i++) {
885   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
886   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
887   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
888
```



LINE 901

low SEVERITY

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

Source File

- BabyCAW.sol

```
900 function calculateTaxFee(uint256 _amount) private view returns (uint256) {
901  return _amount.mul(_taxFee).div(10**2);
902  }
903
904  function calculateLiquidityFee(uint256 _amount) private view returns (uint256) {
905
```



LINE 974

low SEVERITY

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

Source File

- BabyCAW.sol

```
973 _saleBuybackFee = buybackFee;
974  totalSwapableSaleFee = _saleLiquidityFee +_saleMarketingFee + _saleBuybackFee +
_saleTaxFee + _saleDevFee;
975  require(totalSwapableSaleFee <= 10, "Must be less than 10% total");
976  }
977
978
```



SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 974

low SEVERITY

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

Source File

- BabyCAW.sol

```
973 _saleBuybackFee = buybackFee;
974  totalSwapableSaleFee = _saleLiquidityFee +_saleMarketingFee + _saleBuybackFee +
_saleTaxFee + _saleDevFee;
975  require(totalSwapableSaleFee <= 10, "Must be less than 10% total");
976  }
977
978
```



SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 974

low SEVERITY

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

Source File

- BabyCAW.sol

```
973 _saleBuybackFee = buybackFee;
974  totalSwapableSaleFee = _saleLiquidityFee +_saleMarketingFee + _saleBuybackFee +
_saleTaxFee + _saleDevFee;
975  require(totalSwapableSaleFee <= 10, "Must be less than 10% total");
976  }
977
978
```



SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 974

low SEVERITY

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

Source File

- BabyCAW.sol

```
973 _saleBuybackFee = buybackFee;
974  totalSwapableSaleFee = _saleLiquidityFee +_saleMarketingFee + _saleBuybackFee +
_saleTaxFee + _saleDevFee;
975  require(totalSwapableSaleFee <= 10, "Must be less than 10% total");
976  }
977
978
```



SWC-101 | COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED

LINE 661

low SEVERITY

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

Source File

- BabyCAW.sol

```
if (_excluded[i] == account) {
661    _excluded[i] = _excluded[_excluded.length - 1];
662    _tOwned[account] = 0;
663    _isExcluded[account] = false;
664    _excluded.pop();
665
```



SWC-103 | A FLOATING PRAGMA IS SET.

LINE 31

low SEVERITY

The current pragma Solidity directive is ""^0.8.14"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- BabyCAW.sol

```
30
31 pragma solidity ^0.8.14;
32
33 abstract contract Context {
34 function _msgSender() internal view virtual returns (address payable) {
35
```



LINE 625

low SEVERITY

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

Source File

- BabyCAW.sol

```
624 for (uint256 i; i < addresses.length; ++i) {
625   isBlacklisted[addresses[i]] = status;
626  }
627  }
628
629</pre>
```



LINE 660

low SEVERITY

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

Source File

- BabyCAW.sol

```
for (uint256 i = 0; i < _excluded.length; i++) {
  if (_excluded[i] == account) {
    conded[i] = _excluded[_excluded.length - 1];
    conded[account] = 0;
    _isExcluded[account] = false;
    condense in the condens
```



LINE 661

low SEVERITY

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

Source File

- BabyCAW.sol

```
if (_excluded[i] == account) {
    cercluded[i] = _excluded.length - 1];
    cercluded[account] = 0;
    cercluded[account] = false;
    cercluded.pop();
    cercluded.pop(
```



LINE 661

low SEVERITY

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

Source File

- BabyCAW.sol

```
if (_excluded[i] == account) {
    cercluded[i] = _excluded.length - 1];
    cercluded[account] = 0;
    cercluded[account] = false;
    cercluded.pop();
    cercluded.pop(
```



LINE 750

low SEVERITY

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

Source File

- BabyCAW.sol

```
749 address[] memory path = new address[](2);
750 path[0] = address(this);
751 path[1] = uniswapV2Router.WETH();
752 _approve(address(this), address(uniswapV2Router), tokenAmount);
753
754
```



LINE 751

low SEVERITY

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

Source File

- BabyCAW.sol

```
750 path[0] = address(this);
751 path[1] = uniswapV2Router.WETH();
752 _approve(address(this), address(uniswapV2Router), tokenAmount);
753
754 // make the swap
755
```



LINE 885

low SEVERITY

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

Source File

- BabyCAW.sol

```
884 for (uint256 i = 0; i < _excluded.length; i++) {
885   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
886   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
887   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
888   }
889
```



LINE 885

low SEVERITY

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

Source File

- BabyCAW.sol

```
884 for (uint256 i = 0; i < _excluded.length; i++) {
885   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
886   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
887   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
888   }
889
```



LINE 886

low SEVERITY

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

Source File

- BabyCAW.sol

```
885 if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
886    rSupply = rSupply.sub(_rOwned[_excluded[i]]);
887    tSupply = tSupply.sub(_tOwned[_excluded[i]]);
888    }
889    if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
890</pre>
```



LINE 887

low SEVERITY

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

Source File

- BabyCAW.sol

```
886  rSupply = rSupply.sub(_rOwned[_excluded[i]]);
887  tSupply = tSupply.sub(_tOwned[_excluded[i]]);
888  }
889  if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
890  return (rSupply, tSupply);
891</pre>
```



LINE 1022

low SEVERITY

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

Source File

- BabyCAW.sol

```
address[] memory path = new address[](2);
path[0] = uniswapV2Router.WETH();
path[1] = address(this);
// make the swap
uniswapV2Router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: amount}()
```



LINE 1023

low SEVERITY

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

Source File

- BabyCAW.sol

```
path[0] = uniswapV2Router.WETH();

path[1] = address(this);

// make the swap

uniswapV2Router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: amount}(

0, // accept any amount of Tokens
```



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