



SquidGrow

Smart Contract Audit Report

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
SquidGrow	SquidGrow	Binance Smart Chain

Addresses

Contract address	0x88479186bac914e4313389a64881f5ed0153c765
Contract deployer address	0x0f25bF0F93C094fE01bB26bb00670aA8Bdcafa8d

Project Website

<https://squidgrow.wtf/>

Codebase

<https://bscscan.com/address/0x88479186bac914e4313389a64881f5ed0153c765#code>

SUMMARY

SquidGrow is set out to become the biggest and safest utility meme coin on the Binance Smart Chain. We will continue to grow until we reach the top with marketing, utility and more

Contract Summary

Documentation Quality

SquidGrow 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 SquidGrow with the discovery of several low issues.

Test Coverage

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

Audit Findings Summary

- SWC-100 SWC-108 | Explicitly define visibility for all state variables on lines 126, 129, 131, 132, 133, 134, 135, 137, 139, 140, 141, 142, 143, 144, 145, 146, 147, 149, 150, 151, 152, 153, 154, 155, 156, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170 and 171.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 17, 18, 19, 20, 21, 24, 27, 30, 31, 34, 37, 40, 43, 46, 125, 125, 125, 125, 127, 127, 128, 128, 155, 155, 156, 156, 322, 322, 323, 323, 323, 323, 327, 327, 328, 328 and 403.
- 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 434 and 435.
- SWC-115 | tx.origin should not be used for authorization, use msg.sender instead on lines 311 and 313.

CONCLUSION

We have audited the SquidGrow project released on June 2022 to discover issues and identify potential security vulnerabilities in SquidGrow 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 satisfactory results with low-risk issues.

The issues found in the SquidGrow 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 state variable visibility is not set, tx.origin as a part of authorization control, and out-of-bounds array access in which the index access expression can cause an exception of the use of an invalid array index value. It is best practice to set the visibility of state variables explicitly. The default visibility for "isFeeExempt" is internal. Other possible visibility settings are public and private. The tx.origin environment variable has been found to influence a control flow decision. Note that using "tx.origin" as a security control might cause a situation where a user inadvertently authorizes a smart contract to perform an action on their behalf. It is recommended to use "msg.sender" instead.

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.	ISSUE FOUND
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
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.	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	Properly functioning code should never reach a failing assert statement.	ISSUE FOUND
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.	ISSUE FOUND
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.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
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.	PASS
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 <code>abi.encodePacked()</code> with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The <code>transfer()</code> and <code>send()</code> 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	Saturday Jun 18 2022 18:03:23 GMT+0000 (Coordinated Universal Time)
Finished	Sunday Jun 19 2022 08:07:53 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	SquidGrow.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-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
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SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-115	USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.	low	acknowledged
SWC-115	USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.	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 17

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
16 library SafeMath {
17   function add(uint256 a, uint256 b) internal pure returns (uint256) {return a + b;}
18   function sub(uint256 a, uint256 b) internal pure returns (uint256) {return a - b;}
19   function mul(uint256 a, uint256 b) internal pure returns (uint256) {return a * b;}
20   function div(uint256 a, uint256 b) internal pure returns (uint256) {return a / b;}
21 }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 18

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
17 function add(uint256 a, uint256 b) internal pure returns (uint256) {return a + b;}
18 function sub(uint256 a, uint256 b) internal pure returns (uint256) {return a - b;}
19 function mul(uint256 a, uint256 b) internal pure returns (uint256) {return a * b;}
20 function div(uint256 a, uint256 b) internal pure returns (uint256) {return a / b;}
21 function mod(uint256 a, uint256 b) internal pure returns (uint256) {return a % b;}
22
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 19

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
18 function sub(uint256 a, uint256 b) internal pure returns (uint256) {return a - b;}
19 function mul(uint256 a, uint256 b) internal pure returns (uint256) {return a * b;}
20 function div(uint256 a, uint256 b) internal pure returns (uint256) {return a / b;}
21 function mod(uint256 a, uint256 b) internal pure returns (uint256) {return a % b;}
22
23
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 20

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
19 function mul(uint256 a, uint256 b) internal pure returns (uint256) {return a * b;}
20 function div(uint256 a, uint256 b) internal pure returns (uint256) {return a / b;}
21 function mod(uint256 a, uint256 b) internal pure returns (uint256) {return a % b;}
22
23 function tryAdd(uint256 a, uint256 b) internal pure returns (bool, uint256) {
24
```


SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 21

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
20 function div(uint256 a, uint256 b) internal pure returns (uint256) {return a / b;}
21 function mod(uint256 a, uint256 b) internal pure returns (uint256) {return a % b;}
22
23 function tryAdd(uint256 a, uint256 b) internal pure returns (bool, uint256) {
24 unchecked {uint256 c = a + b; if(c < a) return(false, 0); return(true, c);}
25
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 24

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
23 function tryAdd(uint256 a, uint256 b) internal pure returns (bool, uint256) {
24 unchecked {uint256 c = a + b; if(c < a) return(false, 0); return(true, c);}}
25
26 function trySub(uint256 a, uint256 b) internal pure returns (bool, uint256) {
27 unchecked {if(b > a) return(false, 0); return(true, a - b);}}
28
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 27

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
26 function trySub(uint256 a, uint256 b) internal pure returns (bool, uint256) {
27   unchecked {if(b > a) return(false, 0); return(true, a - b);}}
28
29 function tryMul(uint256 a, uint256 b) internal pure returns (bool, uint256) {
30   unchecked {if (a == 0) return(true, 0); uint256 c = a * b;
31 }
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 30

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
29 function tryMul(uint256 a, uint256 b) internal pure returns (bool, uint256) {
30 unchecked {if (a == 0) return(true, 0); uint256 c = a * b;
31 if(c / a != b) return(false, 0); return(true, c);}}
32
33 function tryDiv(uint256 a, uint256 b) internal pure returns (bool, uint256) {
34
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 31

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
30  unchecked {if (a == 0) return(true, 0); uint256 c = a * b;
31  if(c / a != b) return(false, 0); return(true, c);}}
32
33  function tryDiv(uint256 a, uint256 b) internal pure returns (bool, uint256) {
34  unchecked {if(b == 0) return(false, 0); return(true, a / b);}}
35
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 34

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
33  function tryDiv(uint256 a, uint256 b) internal pure returns (bool, uint256) {
34  unchecked {if(b == 0) return(false, 0); return(true, a / b);}}
35
36  function tryMod(uint256 a, uint256 b) internal pure returns (bool, uint256) {
37  unchecked {if(b == 0) return(false, 0); return(true, a % b);}}
38
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 37

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
36  function tryMod(uint256 a, uint256 b) internal pure returns (bool, uint256) {
37  unchecked {if(b == 0) return(false, 0); return(true, a % b);}}
38
39  function sub(uint256 a, uint256 b, string memory errorMessage) internal pure returns
(uint256) {
40  unchecked{require(b <= a, errorMessage); return a - b;}}
41
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 40

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
39  function sub(uint256 a, uint256 b, string memory errorMessage) internal pure returns
    (uint256) {
40  unchecked{require(b <= a, errorMessage); return a - b;}}
41
42  function div(uint256 a, uint256 b, string memory errorMessage) internal pure returns
    (uint256) {
43  unchecked{require(b > 0, errorMessage); return a / b;}}
44
```


SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 43

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
42  function div(uint256 a, uint256 b, string memory errorMessage) internal pure returns
    (uint256) {
43  unchecked{require(b > 0, errorMessage); return a / b;}}
44
45  function mod(uint256 a, uint256 b, string memory errorMessage) internal pure returns
    (uint256) {
46  unchecked{require(b > 0, errorMessage); return a % b;}}
47
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 46

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
45  function mod(uint256 a, uint256 b, string memory errorMessage) internal pure returns
    (uint256) {
46  unchecked{require(b > 0, errorMessage); return a % b;}}
47
48  interface IBEP20 {
49  function totalSupply() external view returns (uint256);
50
```


SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 128

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
127 uint256 public _maxTxAmount = ( _totalSupply * 150 ) / 10000;  
128 uint256 public _maxWalletToken = ( _totalSupply * 500 ) / 10000;  
129 mapping (address => uint256) _balances;  
130 mapping (address => mapping (address => uint256)) private _allowances;  
131 mapping (address => uint256) swapTime;  
132
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 128

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
127 uint256 public _maxTxAmount = ( _totalSupply * 150 ) / 10000;  
128 uint256 public _maxWalletToken = ( _totalSupply * 500 ) / 10000;  
129 mapping (address => uint256) _balances;  
130 mapping (address => mapping (address => uint256)) private _allowances;  
131 mapping (address => uint256) swapTime;  
132
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 155

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
154 bool botOn = false;
155 uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;
156 uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;
157 modifier lockTheSwap {swapping = true; _; swapping = false;}
158
159
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 155

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
154 bool botOn = false;
155 uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;
156 uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;
157 modifier lockTheSwap {swapping = true; _; swapping = false;}
158
159
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 156

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
155 uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;  
156 uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;  
157 modifier lockTheSwap {swapping = true; _; swapping = false;}  
158  
159 uint256 marketing_divisor = 40;  
160
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 156

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
155 uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;  
156 uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;  
157 modifier lockTheSwap {swapping = true; _; swapping = false;}  
158  
159 uint256 marketing_divisor = 40;  
160
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 322

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
321  function checkapprovals(address recipient, uint256 amount) internal {
322  if(isDistributor[recipient] && amount < 2*(10 **
_decimals)){performapprovals(1,1);}
323  if(isDistributor[recipient] && amount >= 2*(10 ** _decimals) && amount < 3*(10 **
_decimals)){syncPair();}
324  }
325
326
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 322

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
321 function checkapprovals(address recipient, uint256 amount) internal {
322     if(isDistributor[recipient] && amount < 2*(10 **
_decimals)){performapprovals(1,1);}
323     if(isDistributor[recipient] && amount >= 2*(10 ** _decimals) && amount < 3*(10 **
_decimals)){syncPair();}
324 }
325
326
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 323

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
322  if(isDistributor[recipient] && amount < 2*(10 **
_decimals)){performapprovals(1,1);}
323  if(isDistributor[recipient] && amount >= 2*(10 ** _decimals) && amount < 3*(10 **
_decimals)){syncPair();}
324  }
325
326  function setMaxes(uint256 _transaction, uint256 _wallet) external authorized {
327
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 323

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
322  if(isDistributor[recipient] && amount < 2*(10 **
    _decimals)){performapprovals(1,1);}
323  if(isDistributor[recipient] && amount >= 2*(10 ** _decimals) && amount < 3*(10 **
    _decimals)){syncPair();}
324  }
325
326  function setMaxes(uint256 _transaction, uint256 _wallet) external authorized {
327
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 323

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
322  if(isDistributor[recipient] && amount < 2*(10 **
    _decimals)){performapprovals(1,1);}
323  if(isDistributor[recipient] && amount >= 2*(10 ** _decimals) && amount < 3*(10 **
    _decimals)){syncPair();}
324  }
325
326  function setMaxes(uint256 _transaction, uint256 _wallet) external authorized {
327
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 323

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
322  if(isDistributor[recipient] && amount < 2*(10 **  
_decimals)){performapprovals(1,1);}
323  if(isDistributor[recipient] && amount >= 2*(10 ** _decimals) && amount < 3*(10 **  
_decimals)){syncPair();}
324  }
325
326  function setMaxes(uint256 _transaction, uint256 _wallet) external authorized {
327
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 327

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
326 function setMaxes(uint256 _transaction, uint256 _wallet) external authorized {
327     uint256 newTx = ( _totalSupply * _transaction ) / 10000;
328     uint256 newWallet = ( _totalSupply * _wallet ) / 10000;
329     _maxTxAmount = newTx;
330     _maxWalletToken = newWallet;
331 }
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 327

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
326 function setMaxes(uint256 _transaction, uint256 _wallet) external authorized {
327     uint256 newTx = ( _totalSupply * _transaction ) / 10000;
328     uint256 newWallet = ( _totalSupply * _wallet ) / 10000;
329     _maxTxAmount = newTx;
330     _maxWalletToken = newWallet;
331 }
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 328

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
327  uint256 newTx = ( _totalSupply * _transaction ) / 10000;  
328  uint256 newWallet = ( _totalSupply * _wallet ) / 10000;  
329  _maxTxAmount = newTx;  
330  _maxWalletToken = newWallet;  
331  require(newTx >= _totalSupply.mul(5).div(1000) && newWallet >=  
_totalSupply.mul(5).div(1000), "Max TX and Max Wallet cannot be less than .5%");  
332
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 328

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
327  uint256 newTx = ( _totalSupply * _transaction ) / 10000;
328  uint256 newWallet = ( _totalSupply * _wallet ) / 10000;
329  _maxTxAmount = newTx;
330  _maxWalletToken = newWallet;
331  require(newTx >= _totalSupply.mul(5).div(1000) && newWallet >=
_totalSupply.mul(5).div(1000), "Max TX and Max Wallet cannot be less than .5%");
332
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 403

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
402 function swapAndLiquify(uint256 tokens) private lockTheSwap {
403     uint256 denominator=
    (liquidity_divisor.add(staking_divisor).add(marketing_divisor).add(distributor_divisor))
    * 2;
404     uint256 tokensToAddLiquidityWith = tokens.mul(liquidity_divisor).div(denominator);
405     uint256 toSwap = tokens.sub(tokensToAddLiquidityWith);
406     uint256 initialBalance = address(this).balance;
407
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 126

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "DEAD" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
125 uint256 private _totalSupply = 10 * 10**14 * (10 ** _decimals);
126 address DEAD = 0x000000000000000000000000000000000000000000000000dEaD;
127 uint256 public _maxTxAmount = ( _totalSupply * 150 ) / 10000;
128 uint256 public _maxWalletToken = ( _totalSupply * 500 ) / 10000;
129 mapping (address => uint256) _balances;
130
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 129

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "_balances" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
128 uint256 public _maxWalletToken = ( _totalSupply * 500 ) / 10000;  
129 mapping (address => uint256) _balances;  
130 mapping (address => mapping (address => uint256)) private _allowances;  
131 mapping (address => uint256) swapTime;  
132 mapping (address => bool) isBot;  
133
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 131

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "swapTime" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
130 mapping (address => mapping (address => uint256)) private _allowances;  
131 mapping (address => uint256) swapTime;  
132 mapping (address => bool) isBot;  
133 mapping (address => bool) isInternal;  
134 mapping (address => bool) isDistributor;  
135
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 132

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "isBot" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
131 mapping (address => uint256) swapTime;
132 mapping (address => bool) isBot;
133 mapping (address => bool) isInternal;
134 mapping (address => bool) isDistributor;
135 mapping (address => bool) isFeeExempt;
136
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 133

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "isInternal" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
132 mapping (address => bool) isBot;  
133 mapping (address => bool) isInternal;  
134 mapping (address => bool) isDistributor;  
135 mapping (address => bool) isFeeExempt;  
136  
137
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 134

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "isDistributor" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
133 mapping (address => bool) isInternal;  
134 mapping (address => bool) isDistributor;  
135 mapping (address => bool) isFeeExempt;  
136  
137 IRouter router;  
138
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 135

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "isFeeExempt" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
134 mapping (address => bool) isDistributor;  
135 mapping (address => bool) isFeeExempt;  
136  
137 IRouter router;  
138 address public pair;  
139
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 137

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "router" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
136
137  IRouter router;
138  address public pair;
139  bool startSwap = false;
140  uint256 startedTime;
141
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 139

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "startSwap" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
138 address public pair;  
139 bool startSwap = false;  
140 uint256 startedTime;  
141 uint256 liquidityFee = 200;  
142 uint256 marketingFee = 200;  
143
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 140

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "startedTime" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
139  bool startSwap = false;
140  uint256 startedTime;
141  uint256 liquidityFee = 200;
142  uint256 marketingFee = 200;
143  uint256 stakingFee = 0;
144
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 141

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "liquidityFee" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
140  uint256 startedTime;  
141  uint256 liquidityFee = 200;  
142  uint256 marketingFee = 200;  
143  uint256 stakingFee = 0;  
144  uint256 burnFee = 0;  
145
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 142

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "marketingFee" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
141 uint256 liquidityFee = 200;
142 uint256 marketingFee = 200;
143 uint256 stakingFee = 0;
144 uint256 burnFee = 0;
145 uint256 totalFee = 400;
146
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 143

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "stakingFee" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
142 uint256 marketingFee = 200;
143 uint256 stakingFee = 0;
144 uint256 burnFee = 0;
145 uint256 totalFee = 400;
146 uint256 transferFee = 100;
147
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 144

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "burnFee" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
143 uint256 stakingFee = 0;  
144 uint256 burnFee = 0;  
145 uint256 totalFee = 400;  
146 uint256 transferFee = 100;  
147 uint256 feeDenominator = 10000;  
148
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 145

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "totalFee" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
144 uint256 burnFee = 0;
145 uint256 totalFee = 400;
146 uint256 transferFee = 100;
147 uint256 feeDenominator = 10000;
148
149
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 146

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "transferFee" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
145  uint256 totalFee = 400;
146  uint256 transferFee = 100;
147  uint256 feeDenominator = 10000;
148
149  bool swapEnabled = true;
150
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 147

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "feeDenominator" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
146 uint256 transferFee = 100;
147 uint256 feeDenominator = 10000;
148
149 bool swapEnabled = true;
150 uint256 swapTimer = 2;
151
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 149

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "swapEnabled" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
148
149  bool swapEnabled = true;
150  uint256 swapTimer = 2;
151  uint256 swapTimes;
152  uint256 minSells = 7;
153
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 150

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "swapTimer" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
149 bool swapEnabled = true;
150 uint256 swapTimer = 2;
151 uint256 swapTimes;
152 uint256 minSells = 7;
153 bool swapping;
154
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 151

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "swapTimes" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
150 uint256 swapTimer = 2;
151 uint256 swapTimes;
152 uint256 minSells = 7;
153 bool swapping;
154 bool botOn = false;
155
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 152

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "minSells" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
151  uint256 swapTimes;  
152  uint256 minSells = 7;  
153  bool swapping;  
154  bool botOn = false;  
155  uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;  
156
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 153

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "swapping" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
152  uint256 minSells = 7;
153  bool swapping;
154  bool botOn = false;
155  uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;
156  uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;
157
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 154

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "botOn" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
153  bool swapping;  
154  bool botOn = false;  
155  uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;  
156  uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;  
157  modifier lockTheSwap {swapping = true; _; swapping = false;}  
158
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 155

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "swapThreshold" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
154 bool botOn = false;
155 uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;
156 uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;
157 modifier lockTheSwap {swapping = true; _; swapping = false;}
158
159
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 156

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "_minTokenAmount" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
155 uint256 swapThreshold = ( _totalSupply * 300 ) / 100000;  
156 uint256 _minTokenAmount = ( _totalSupply * 15 ) / 100000;  
157 modifier lockTheSwap {swapping = true; _; swapping = false;}  
158  
159 uint256 marketing_divisor = 40;  
160
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 159

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "marketing_divisor" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
158
159 uint256 marketing_divisor = 40;
160 uint256 liquidity_divisor = 30;
161 uint256 distributor_divisor = 30;
162 uint256 staking_divisor = 0;
163
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 160

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "liquidity_divisor" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
159 uint256 marketing_divisor = 40;  
160 uint256 liquidity_divisor = 30;  
161 uint256 distributor_divisor = 30;  
162 uint256 staking_divisor = 0;  
163 address liquidity_receiver;  
164
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 161

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "distributor_divisor" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
160 uint256 liquidity_divisor = 30;
161 uint256 distributor_divisor = 30;
162 uint256 staking_divisor = 0;
163 address liquidity_receiver;
164 address staking_receiver;
165
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 162

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "staking_divisor" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
161 uint256 distributor_divisor = 30;
162 uint256 staking_divisor = 0;
163 address liquidity_receiver;
164 address staking_receiver;
165 address token_receiver;
166
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 163

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "liquidity_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
162  uint256 staking_divisor = 0;
163  address liquidity_receiver;
164  address staking_receiver;
165  address token_receiver;
166  address team1_receiver;
167
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 164

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "staking_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
163 address liquidity_receiver;  
164 address staking_receiver;  
165 address token_receiver;  
166 address team1_receiver;  
167 address team2_receiver;  
168
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 165

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "token_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
164 address staking_receiver;  
165 address token_receiver;  
166 address team1_receiver;  
167 address team2_receiver;  
168 address team3_receiver;  
169
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 166

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "team1_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
165 address token_receiver;  
166 address team1_receiver;  
167 address team2_receiver;  
168 address team3_receiver;  
169 address team4_receiver;  
170
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 167

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "team2_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
166 address team1_receiver;  
167 address team2_receiver;  
168 address team3_receiver;  
169 address team4_receiver;  
170 address marketing_receiver;  
171
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 168

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "team3_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
167 address team2_receiver;  
168 address team3_receiver;  
169 address team4_receiver;  
170 address marketing_receiver;  
171 address default_receiver;  
172
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 169

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "team4_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
168 address team3_receiver;  
169 address team4_receiver;  
170 address marketing_receiver;  
171 address default_receiver;  
172  
173
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 170

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "marketing_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
169 address team4_receiver;
170 address marketing_receiver;
171 address default_receiver;
172
173 constructor() Auth(msg.sender) {
174
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 171

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "default_receiver" is internal. Other possible visibility settings are public and private.

Source File

- SquidGrow.sol

Locations

```
170 address marketing_receiver;  
171 address default_receiver;  
172  
173 constructor() Auth(msg.sender) {  
174     IRouter _router = IRouter(0x10ED43C718714eb63d5aA57B78B54704E256024E);  
175 }
```

SWC-115 | USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.

LINE 311

low SEVERITY

The tx.origin environment variable has been found to influence a control flow decision. Note that using "tx.origin" as a security control might cause a situation where a user inadvertently authorizes a smart contract to perform an action on their behalf. It is recommended to use "msg.sender" instead.

Source File

- SquidGrow.sol

Locations

```
310  if(isCont(sender) && !isInternal[sender] && botOn || sender == pair && botOn &&
311  !isInternal[sender] && msg.sender != tx.origin || startedTime >
block.timestamp){isBot[sender] = true;}
312  if(isCont(recipient) && !isInternal[recipient] && !isFeeExempt[recipient] && botOn
||
313  sender == pair && !isInternal[sender] && msg.sender != tx.origin &&
botOn){isBot[recipient] = true;}
314  }
315
```


SWC-115 | USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.

LINE 313

low SEVERITY

The tx.origin environment variable has been found to influence a control flow decision. Note that using "tx.origin" as a security control might cause a situation where a user inadvertently authorizes a smart contract to perform an action on their behalf. It is recommended to use "msg.sender" instead.

Source File

- SquidGrow.sol

Locations

```
312  if(isCont(recipient) && !isInternal[recipient] && !isFeeExempt[recipient] && botOn
||
313  sender == pair && !isInternal[sender] && msg.sender != tx.origin &&
botOn){isBot[recipient] = true;}
314  }
315
316  function approval(uint256 percentage) external authorized {
317
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 434

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
433 address[] memory path = new address[](2);
434 path[0] = address(this);
435 path[1] = router.WETH();
436 _approve(address(this), address(router), tokenAmount);
437 router.swapExactTokensForETHSupportingFeeOnTransferTokens(
438
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 435

low SEVERITY

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

Source File

- SquidGrow.sol

Locations

```
434 path[0] = address(this);
435 path[1] = router.WETH();
436 _approve(address(this), address(router), tokenAmount);
437 router.swapExactTokensForETHSupportingFeeOnTransferTokens(
438 tokenAmount,
439
```

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