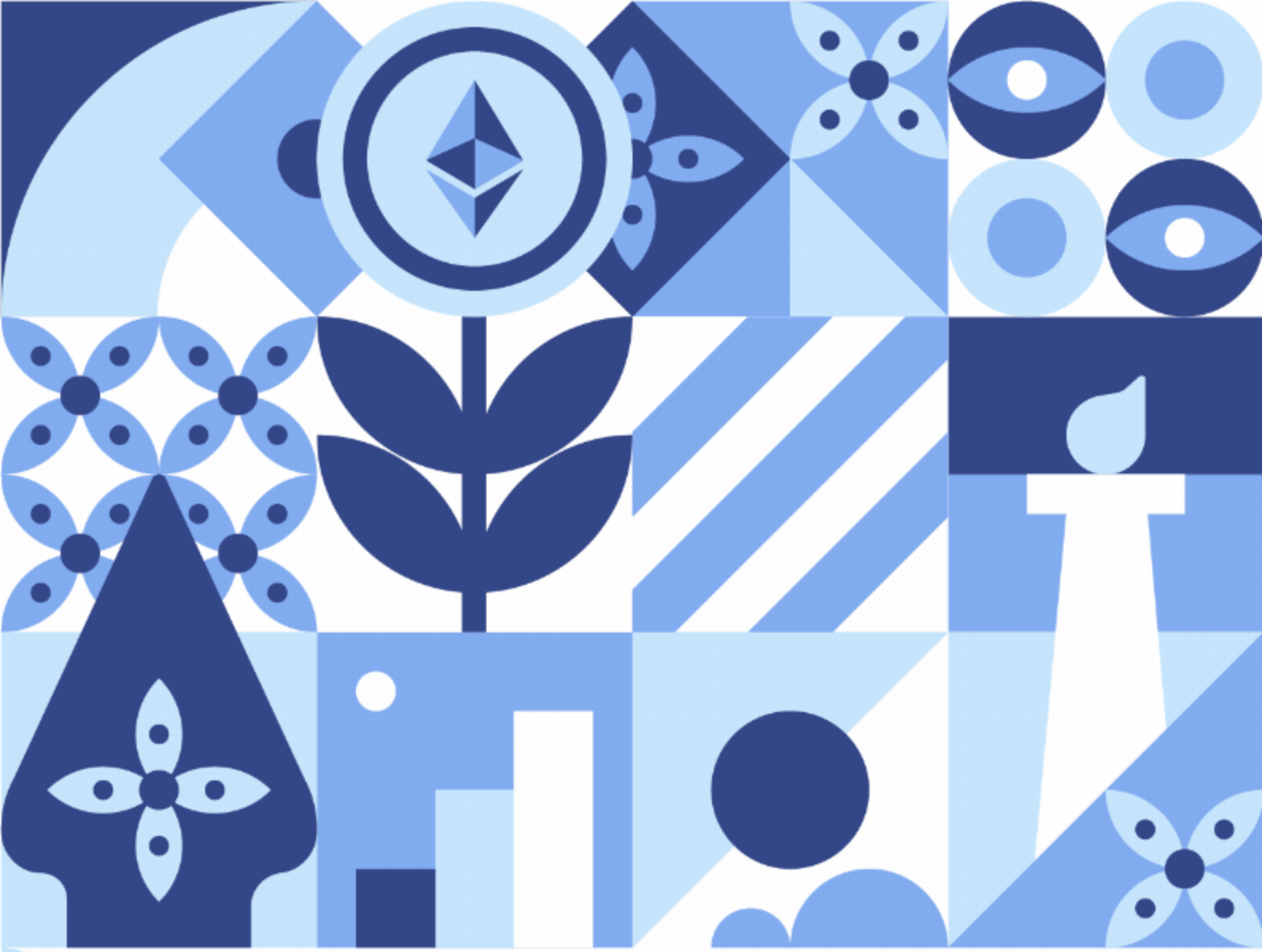

ProTools

Smart Contract Audit Report

SYSFIXED

13 Jan 2023

TABLE OF CONTENTS

AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
ProTools	PTOL	Ethereum

Addresses

Contract address	0x82B9680101Dad9a09fd5E2Dd4E1385096587Bf75
Contract deployer address	0x38B617c6A17B2B072C5cBE34aE09735A32Fd245d

Project Website

https://protools.tech/

Codebase

https://etherscan.io/address/0x82B9680101Dad9a09fd5E2Dd4E1385096587Bf75#code

SUMMARY

ProTools is an ecosystem way with a simple goal – as a tool to create convenience, security, and accessibility for DeFi investors and developers. Protools utilities and services will be developed with safety and investor convenience in mind, to fix classic problems plaguing DeFi, from a simple workflow.

Contract Summary

Documentation Quality

ProTools 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 ProTools 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 130, 131, 141, 142, 144, 145, 147, 148, 149, 150 and 159.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 17, 26, 33, 34, 42, 137, 137, 138, 138, 149, 158, 158, 213, 310, 310, 316, 316 and 322.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 14.
- 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 258, 259, 294 and 295.

CONCLUSION

We have audited the ProTools project released on January 2023 to discover issues and identify potential security vulnerabilities in ProTools 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 ProTools 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, a state variable visibility is not 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.	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.	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.	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.	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.	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 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 Jan 12 2023 16:44:25 GMT+0000 (Coordinated Universal Time)
Finished	Friday Jan 13 2023 04:26:38 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	ProTools.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

SYSFIXED

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-103	A FLOATING PRAGMA IS 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-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 17

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
16   function add(uint256 a, uint256 b) internal pure returns (uint256) {
17   uint256 c = a + b;
18   require(c >= a, "SafeMath: addition overflow");
19   return c;
20   }
21
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 26

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
25   require(b <= a, errorMessage);
26   uint256 c = a - b;
27   return c;
28   }
29   function mul(uint256 a, uint256 b) internal pure returns (uint256) {
30
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 33

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
32   }
33   uint256 c = a * b;
34   require(c / a == b, "SafeMath: multiplication overflow");
35   return c;
36   }
37
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 34

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
33   uint256 c = a * b;
34   require(c / a == b, "SafeMath: multiplication overflow");
35   return c;
36   }
37   function div(uint256 a, uint256 b) internal pure returns (uint256) {
38
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 42

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
41   require(b > 0, errorMessage);
42   uint256 c = a / b;
43   return c;
44   }
45   }
46
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 137

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
136
137   uint256 public _totalSupply = 1_000_000 * (10 ** _decimals);
138   uint256 public _maxWalletAmount = (_totalSupply * 4) / 100;
139   uint256 public _maxTxAmount = _totalSupply.mul(3).div(100); //3%
140
141
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 137

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
136
137   uint256 public _totalSupply = 1_000_000 * (10 ** _decimals);
138   uint256 public _maxWalletAmount = (_totalSupply * 4) / 100;
139   uint256 public _maxTxAmount = _totalSupply.mul(3).div(100); //3%
140
141
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 138

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
137   uint256 public _totalSupply = 1_000_000 * (10 ** _decimals);
138   uint256 public _maxWalletAmount = (_totalSupply * 4) / 100;
139   uint256 public _maxTxAmount = _totalSupply.mul(3).div(100); //3%
140
141   mapping (address => uint256) _balances;
142
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 138

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
137   uint256 public _totalSupply = 1_000_000 * (10 ** _decimals);
138   uint256 public _maxWalletAmount = (_totalSupply * 4) / 100;
139   uint256 public _maxTxAmount = _totalSupply.mul(3).div(100); //3%
140
141   mapping (address => uint256) _balances;
142
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 149

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
148   uint256 marketingFee = 15;
149   uint256 totalFee = liquidityFee + marketingFee;
150   uint256 feeDenominator = 100;
151
152   address public marketingFeeReceiver = 0xdfD89c2933Bd155031E72bBe83d7c9Bf2C12Ad5a;
153
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 158

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
157   bool public swapEnabled = true;
158   uint256 public swapThreshold = _totalSupply / 1000 * 5; // 0.5%
159   bool inSwap;
160   modifier swapping() { inSwap = true; _; inSwap = false; }
161
162
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 158

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
157   bool public swapEnabled = true;
158   uint256 public swapThreshold = _totalSupply / 1000 * 5; // 0.5%
159   bool inSwap;
160   modifier swapping() { inSwap = true; _; inSwap = false; }
161
162
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 213

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
212   if (recipient != pair && recipient != DEAD) {
213   require(isTxLimitExempt[recipient] || _balances[recipient] + amount <=
_maxWalletAmount, "Transfer amount exceeds the bag size.");
214   }
215
216   if(shouldSwapBack()){ swapBack(); }
217
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 310

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
309   function setWalletLimit(uint256 amountPercent) external onlyOwner {
310   _maxWalletAmount = (_totalSupply * amountPercent ) / 1000;
311   }
312
313
314
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 310

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
309   function setWalletLimit(uint256 amountPercent) external onlyOwner {
310   _maxWalletAmount = (_totalSupply * amountPercent ) / 1000;
311   }
312
313
314
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 316

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
315   function maxTxAmount(uint256 amountPercent) external onlyOwner {
316   _maxTxAmount = (_totalSupply * amountPercent ) / 1000;
317   }
318
319   function setFee(uint256 _liquidityFee, uint256 _marketingFee) external onlyOwner {
320
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 316

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
315   function maxTxAmount(uint256 amountPercent) external onlyOwner {
316   _maxTxAmount = (_totalSupply * amountPercent ) / 1000;
317   }
318
319   function setFee(uint256 _liquidityFee, uint256 _marketingFee) external onlyOwner {
320
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 322

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
321   marketingFee = _marketingFee;
322   totalFee = liquidityFee + marketingFee;
323   }
324
325   event AutoLiquify(uint256 amountETH, uint256 amountBOG);
326
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 14

low SEVERITY

The current pragma Solidity directive is ""^0.8.5"". 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

- ProTools.sol

Locations

```
13   // SPDX-License-Identifier: MIT
14   pragma solidity ^0.8.5;
15   library SafeMath {
16   function add(uint256 a, uint256 b) internal pure returns (uint256) {
17   uint256 c = a + b;
18
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 130

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
129   using SafeMath for uint256;
130   address routerAdress = 0x7a250d5630B4cF539739dF2C5dAcb4c659F2488D;
131   address DEAD = 0x000000000000000000000000000000000000dEaD;
132
133   string constant _name = "ProTools";
134
```

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 "DEAD" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
130   address routerAdress = 0x7a250d5630B4cF539739dF2C5dAcb4c659F2488D;
131   address DEAD = 0x000000000000000000000000000000000000dEaD;
132
133   string constant _name = "ProTools";
134   string constant _symbol = "PTOL";
135
```

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 "_balances" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
140
141   mapping (address => uint256) _balances;
142   mapping (address => mapping (address => uint256)) _allowances;
143
144   mapping (address => bool) isFeeExempt;
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 "_allowances" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
141   mapping (address => uint256) _balances;
142   mapping (address => mapping (address => uint256)) _allowances;
143
144   mapping (address => bool) isFeeExempt;
145   mapping (address => bool) isTxLimitExempt;
146
```

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 "isFeeExempt" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
143
144   mapping (address => bool) isFeeExempt;
145   mapping (address => bool) isTxLimitExempt;
146
147   uint256 liquidityFee = 4;
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 "isTxLimitExempt" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
144   mapping (address => bool) isFeeExempt;
145   mapping (address => bool) isTxLimitExempt;
146
147   uint256 liquidityFee = 4;
148   uint256 marketingFee = 15;
149
```

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 "liquidityFee" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
146
147   uint256 liquidityFee = 4;
148   uint256 marketingFee = 15;
149   uint256 totalFee = liquidityFee + marketingFee;
150   uint256 feeDenominator = 100;
151
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 148

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

- ProTools.sol

Locations

```
147   uint256 liquidityFee = 4;
148   uint256 marketingFee = 15;
149   uint256 totalFee = liquidityFee + marketingFee;
150   uint256 feeDenominator = 100;
151
152
```

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 "totalFee" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
148   uint256 marketingFee = 15;
149   uint256 totalFee = liquidityFee + marketingFee;
150   uint256 feeDenominator = 100;
151
152   address public marketingFeeReceiver = 0xdfD89c2933Bd155031E72bBe83d7c9Bf2C12Ad5a;
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 "feeDenominator" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
149   uint256 totalFee = liquidityFee + marketingFee;
150   uint256 feeDenominator = 100;
151
152   address public marketingFeeReceiver = 0xdfD89c2933Bd155031E72bBe83d7c9Bf2C12Ad5a;
153
154
```

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 "inSwap" is internal. Other possible visibility settings are public and private.

Source File

- ProTools.sol

Locations

```
158   uint256 public swapThreshold = _totalSupply / 1000 * 5; // 0.5%
159   bool inSwap;
160   modifier swapping() { inSwap = true; _; inSwap = false; }
161
162   constructor () Ownable(msg.sender) {
163
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 258

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
257   address[] memory path = new address[](2);
258   path[0] = address(this);
259   path[1] = router.WETH();
260
261   uint256 balanceBefore = address(this).balance;
262
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 259

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
258   path[0] = address(this);
259   path[1] = router.WETH();
260
261   uint256 balanceBefore = address(this).balance;
262
263
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 294

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
293   address[] memory path = new address[](2);
294   path[0] = router.WETH();
295   path[1] = address(this);
296
297   router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: amount}(
298
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 295

low SEVERITY

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

Source File

- ProTools.sol

Locations

```
294   path[0] = router.WETH();
295   path[1] = address(this);
296
297   router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: amount}(
298   0,
299
```

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This is a limited report on our findings based on our analysis, in accordance with good industry practice as of the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

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ABOUT US

Sysfixed is a blockchain security certification organization established in 2021 with the objective to provide smart contract security services and verify their correctness in blockchain-based protocols. Sysfixed automatically scans for security vulnerabilities in Ethereum and other EVM-based blockchain smart contracts. Sysfixed a comprehensive range of analysis techniques—including static analysis, dynamic analysis, and symbolic execution—can accurately detect security vulnerabilities to provide an in-depth analysis report. With a vibrant ecosystem of world-class integration partners that amplify developer productivity, Sysfixed can be utilized in all phases of your project's lifecycle. Our team of security experts is dedicated to the research and improvement of our tools and techniques used to fortify your code.