

MetaGold Financial
Smart Contract
Audit Report





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# **AUDITED DETAILS**

## | Audited Project

Project name	Token ticker	Blockchain	
MetaGold Financial	MGF	Binance Smart Chain	

## Addresses

Contract address	0x1f77f06333B89b94389b9214cA476dd5107Af92a	
Contract deployer address	0xdF19f7f9c8179dbf73e752DFcFb247ad4232E416	

### Project Website

https://t.me/metagoldrewards

### Codebase

https://bscscan.com/address/0x1f77f06333B89b94389b9214cA476dd5107Af92a#code



### **SUMMARY**

MetaGold 2.0: The First Digital Gold Certificate of Deposit. MetaGold Financial offers a unique opportunity to experience insane returns with a simple click of a button. This cutting-edge platform, which is the latest iteration of digital gold, provides you with a proven path to high returns on investment. An affiliate program with 10% commission. Stable Coin Staking Utility for income. 75% APY Staking and Blockchain affiliate program.

### Contract Summary

#### **Documentation Quality**

MetaGold Financial 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 MetaGold Financial 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 101, 103, 110, 115, 122, 145, 158, 168, 169, 180, 190, 431, 454, 487, 490, 512, 515, 541, 543, 593, 696, 696, 800, 800, 972 and 972.
- 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 855, 856, 857, 901, 902, 903, 986, 987, 988, 1289, 1290, 1302 and 1303.



## CONCLUSION

We have audited the MetaGold Financial project released on January 2023 to discover issues and identify potential security vulnerabilities in MetaGold Financial 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 MetaGold Financial 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, 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.	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.		
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.		
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.		
Shadowing State Variable	SWC-119	19 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.		
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/.		
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.	•	
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.		
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.	mount PASS	
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS	



# **SMART CONTRACT ANALYSIS**

Started	Sunday Jan 29 2023 12:40:30 GMT+0000 (Coordinated Universal Time)		
Finished	Monday Jan 30 2023 23:10:35 GMT+0000 (Coordinated Universal Time)		
Mode	Standard		
Main Source File	MetaGold.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



ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "-=" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
	ARITHMETIC OPERATION "+=" DISCOVERED  ARITHMETIC OPERATION "-" DISCOVERED  ARITHMETIC OPERATION "-=" DISCOVERED  ARITHMETIC OPERATION "-" DISCOVERED  ARITHMETIC OPERATION "-" DISCOVERED  ARITHMETIC OPERATION "*" DISCOVERED  ARITHMETIC OPERATION "**" DISCOVERED	ARITHMETIC OPERATION "+=" DISCOVERED   low   ARITHMETIC OPERATION "-" DISCOVERED   low   ARITHMETIC OPERATION "*" DISCOVERED   low   ARITHMETIC OPERATION "**" DISCOVERED   low



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
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SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged



## SWC-101 | ARITHMETIC OPERATION "\*" DISCOVERED

**LINE 101** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
100 function mul(int256 a, int256 b) internal pure returns (int256) {
101  int256 c = a * b;
102  require(c != MIN_INT256 || (a & MIN_INT256) != (b & MIN_INT256));
103  require((b == 0) || (c / b == a));
104  return c;
105
```



## SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

**LINE 103** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
102 require(c != MIN_INT256 || (a & MIN_INT256) != (b & MIN_INT256));
103 require((b == 0) || (c / b == a));
104 return c;
105 }
106
107
```



## SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

**LINE 110** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
109  require(b != -1 || a != MIN_INT256);
110  return a / b;
111  }
112
113
114
```



## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

**LINE 115** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
114 function sub(int256 a, int256 b) internal pure returns (int256) {
115  int256 c = a - b;
116  require((b >= 0 && c <= a) || (b < 0 && c > a));
117  return c;
118  }
119
```



## SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

**LINE 122** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
121 function add(int256 a, int256 b) internal pure returns (int256) {
122  int256 c = a + b;
123  require((b >= 0 && c >= a) || (b < 0 && c < a));
124  return c;
125  }
126</pre>
```



## SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

**LINE 145** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

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



## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

**LINE 158** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
157  require(b <= a, errorMessage);
158  uint256 c = a - b;
159
160  return c;
161  }
162</pre>
```



## SWC-101 | ARITHMETIC OPERATION "\*" DISCOVERED

**LINE 168** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
167
168  uint256 c = a * b;
169  require(c / a == b, "SafeMath: multiplication overflow");
170
171  return c;
172
```



## SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

**LINE** 169

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
168    uint256    c = a * b;
169    require(c / a == b, "SafeMath: multiplication overflow");
170
171    return c;
172    }
173
```



## SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

**LINE 180** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
179 require(b > 0, errorMessage);
180 uint256 c = a / b;
181 return c;
182 }
183
184
```



## SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

**LINE 190** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
189  require(b != 0, errorMessage);
190  return a % b;
191  }
192  }
193
194
```



## SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

**LINE 431** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
430 address owner = _msgSender();
431 _approve(owner, spender, allowance(owner, spender) + addedValue);
432 return true;
433 }
434
435
```



## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

**LINE 454** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
unchecked {
453  unchecked {
454  _approve(owner, spender, currentAllowance - subtractedValue);
455  }
456
457  return true;
458
```



# SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

**LINE 487** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
486 unchecked {
487 _balances[from] = fromBalance - amount;
488 // Overflow not possible: the sum of all balances is capped by totalSupply, and the sum is preserved by
489 // decrementing then incrementing.
490 _balances[to] += amount;
491
```



## SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

**LINE 490** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
489  // decrementing then incrementing.
490  _balances[to] += amount;
491  }
492
493  emit Transfer(from, to, amount);
494
```



# SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

**LINE 512** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
511
512 _totalSupply += amount;
513 unchecked {
514 // Overflow not possible: balance + amount is at most totalSupply + amount, which is checked above.
515 _balances[account] += amount;
516
```



# SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

**LINE 515** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
514  // Overflow not possible: balance + amount is at most totalSupply + amount, which
is checked above.
515  _balances[account] += amount;
516  }
517  emit Transfer(address(0), account, amount);
518
519
```



## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

**LINE 541** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
540 unchecked {
541   _balances[account] = accountBalance - amount;
542   // Overflow not possible: amount <= accountBalance <= totalSupply.
543   _totalSupply -= amount;
544  }
545</pre>
```



## SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

**LINE 543** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
542  // Overflow not possible: amount <= accountBalance <= totalSupply.
543  _totalSupply -= amount;
544  }
545
546  emit Transfer(account, address(0), amount);
547</pre>
```



## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

**LINE 593** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
592 unchecked {
593 _approve(owner, spender, currentAllowance - amount);
594 }
595 }
596 }
597
```



## SWC-101 | ARITHMETIC OPERATION "\*" DISCOVERED

**LINE 696** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
uint256 public marketingFee = 10; //1%
uint256 public swapTokensAtAmount = 100000 * 10 ** 18;
uint256 public burnFee = 10; //1%
uint256 public bonusDirectTransaction = 1000; //100%
uint256 public bonusSwapTransactionToReferrer = 10; //1%
```



# SWC-101 | ARITHMETIC OPERATION "\*\*" DISCOVERED

**LINE 696** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
uint256 public marketingFee = 10; //1%
uint256 public swapTokensAtAmount = 100000 * 10 ** 18;
uint256 public burnFee = 10; //1%
uint256 public bonusDirectTransaction = 1000; //100%
uint256 public bonusSwapTransactionToReferrer = 10; //1%
```



## SWC-101 | ARITHMETIC OPERATION "\*" DISCOVERED

**LINE 800** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
799 _mustDoFee[uniswapV2Pair] = true;
800 _mint(msg.sender, _supply * ( 10 ** decimals()));
801 }
802
803 //to recieve ETH from uniswapV2Router when swaping
804
```



## SWC-101 | ARITHMETIC OPERATION "\*\*" DISCOVERED

**LINE 800** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
799  _mustDoFee[uniswapV2Pair] = true;
800  _mint(msg.sender, _supply * ( 10 ** decimals()));
801  }
802
803  //to recieve ETH from uniswapV2Router when swaping
804
```



## SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

**LINE 972** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
971 require(nr > block.timestamp, "Next rebase must be in near future");
972 require(nr < block.timestamp + 7 *lockpayTwentyFourHours, "Next rebase must be
maximum in 7 days");
973 nextLockpayRebase = nr;
974 }
975
976</pre>
```



## SWC-101 | ARITHMETIC OPERATION "\*" DISCOVERED

**LINE 972** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
971 require(nr > block.timestamp, "Next rebase must be in near future");
972 require(nr < block.timestamp + 7 *lockpayTwentyFourHours, "Next rebase must be
maximum in 7 days");
973 nextLockpayRebase = nr;
974 }
975
976</pre>
```



**LINE 855** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
address[] memory path = new address[](2);
path[0] = bnb_address;
path[1] = meta_address;
uint256 minamount = uniswapV2Router.getAmountsOut(msg.value, path)[1];
uint256 origAmount = minamount;
```



**LINE 856** 

#### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
path[0] = bnb_address;
path[1] = meta_address;
uint256 minamount = uniswapV2Router.getAmountsOut(msg.value, path)[1];
uint256 origAmount = minamount;
uint256 reward = minamount.mul(bonusSwapTransactionToReferrer).div(1000);
860
```



**LINE 857** 

#### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
856  path[1] = meta_address;
857  uint256 minamount = uniswapV2Router.getAmountsOut(msg.value, path)[1];
858  uint256 origAmount = minamount;
859  uint256 reward = minamount.mul(bonusSwapTransactionToReferrer).div(1000);
860  if( referral == msg.sender) {
861
```



**LINE 901** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
900 address[] memory path = new address[](2);
901 path[0] = bnb_address;
902 path[1] = meta_address;
903 uint256 minamount = uniswapV2Router.getAmountsOut(amount, path)[1];
904
905
```



**LINE 902** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
901 path[0] = bnb_address;
902 path[1] = meta_address;
903 uint256 minamount = uniswapV2Router.getAmountsOut(amount, path)[1];
904
905 rewardReferrer = 0;
906
```



**LINE 903** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
902 path[1] = meta_address;
903 uint256 minamount = uniswapV2Router.getAmountsOut(amount, path)[1];
904
905 rewardReferrer = 0;
906 if( referral != address(0)) {
907
```



**LINE 986** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
985 address[] memory path = new address[](2);
986 path[0] = bnb_address;
987 path[1] = meta_address;
988 return uniswapV2Router.getAmountsOut(inAmount, path)[1];
989 }
990
```



**LINE 987** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
986 path[0] = bnb_address;
987 path[1] = meta_address;
988 return uniswapV2Router.getAmountsOut(inAmount, path)[1];
989 }
990
991
```



**LINE 988** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
987 path[1] = meta_address;
988   return uniswapV2Router.getAmountsOut(inAmount, path)[1];
989 }
990
991  /**
992
```



**LINE 1289** 

#### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
1288 address[] memory path = new address[](2);
1289 path[0] = address(this);
1290 path[1] = uniswapV2Router.WETH();
1291
1292 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
1293
```



**LINE 1290** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
path[0] = address(this);

path[1] = uniswapV2Router.WETH();

uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
    tokenAmount,

1294
```



**LINE 1302** 

#### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
1301 address[] memory path = new address[](2);
1302 path[0] = address(this);
1303 path[1] = uniswapV2Router.WETH();
1304
1305 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
1306
```



**LINE 1303** 

### **low SEVERITY**

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

### Source File

- MetaGold.sol

```
path[0] = address(this);

path[1] = uniswapV2Router.WETH();

uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
    tokenAmount,

1307
```



### **DISCLAIMER**

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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.