

Lunar Rabbit
Smart Contract
Audit Report





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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain	
Lunar Rabbit	LunarRabbit	Binance Smart Chain	

Addresses

Contract address	0xCF136913c4583aD8D12190DeA731e6FA75F45E95
Contract deployer address	0x9B93a0400e163b6d380D6CC1Ef98D13175B3B357

Project Website

https://www.lunarrabbit.cz/

Codebase

https://bscscan.com/address/0xCF136913c4583aD8D12190DeA731e6FA75F45E95#contracts



SUMMARY

Dev team from project x70 - the lowest project is x6 - no project yet rug and never, all still run, Nft + stake + game: Ready to launch, Cmc & Cgk list in 12 hrs - SURE there will definitely be an x1000 project

Contract Summary

Documentation Quality

Lunar Rabbit 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.

• Standart solidity basecode and rules are already followed with Lunar Rabbit 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 519, 552, 568, 570, 604, 650, 711, 715, 730, 738, 750, 990, 991, 997, 1000, 1004, 1088, 1097, 1098, 1099, 1103, 1105, 11061127, 1138, 1150, 1222, 1239, 1260, 1261,1262, 1263, 1264, 1269, 1270, 1275, 1278, 1280, 1281, 1285, 1287, 1288, 1290, 1291, 1293, 1294, 1300,1344, 1345, 1346, 1347, 1356, 1363, 1366, 1383 and 1383.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 47.
- SWC-110 | It is recommended to use use of revert(), assert(), and require() in Solidity, and the new REVERT opcode in the EVM on lines 1088, 1092, 1307 and 1308.



CONCLUSION

We have audited the Lunar Rabbit Coin which has released on January 2023 to discover issues and identify potential security vulnerabilities in Lunar Rabbit Project. This process is used to find bugs, technical issues, and security loopholes that find some common issues in the code.

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

The most common issue found in writing code on contracts that do not pose a big risk, writing on contracts is close to the standard of writing contracts in general. Some of the low issues that were found stated variable visibility are not set, and a floating pragma is set. We recommended specifying 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.



AUDIT RESULT

Article	Category	Description	Result	
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.		
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND	
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS	
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	ISSUE FOUND	
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS	
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.	ed PASS	
Assert Violation	SWC-110	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 Caller	SWC-112	Delegatecalls should only be allowed to trusted addresses.	uld only be allowed to trusted 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.	
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS



SMART CONTRACT ANALYSIS

Started	Tuesday Jan 10 2023 01:12:29 GMT+0000 (Coordinated Universal Time)		
Finished	Wednesday Jan 11 2023 11:42:47 GMT+0000 (Coordinated Universal Time)		
Mode	Standard		
Main Source File	LunarRabbit.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



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
ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
ARITHMETIC OPERATION "*" DISCOVERED	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 ARITHMETIC OPERATION "+=" DISCOVERED	ARITHMETIC OPERATION "/" DISCOVERED low ARITHMETIC OPERATION "*" DISCOVERED low ARITHMETIC OPERATION "*" DISCOVERED low ARITHMETIC OPERATION "/" DISCOVERED low ARITHMETIC OPERATION "/" DISCOVERED low ARITHMETIC OPERATION "*" DISCOVERED low ARITHMETIC OPERATION "*" DISCOVERED low ARITHMETIC OPERATION "*" DISCOVERED low ARITHMETIC OPERATION "/" DISCOVERED low ARITHMETIC OPERATION "/" DISCOVERED low ARITHMETIC OPERATION "+=" DISCOVERED low ARITHMETIC OPERATION "+=" DISCOVERED low ARITHMETIC OPERATION "+=" DISCOVERED low ARITHMETIC OPERATION "/" DISCOVERED low



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-103	A FLOATING PRAGMA IS 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



LINE 519

low SEVERITY

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

Source File

- LunarRabbit.sol

```
518 */
519 function sub(uint256 a, uint256 b, string memory errorMessage) internal pure
returns (uint256) {
520 require(b <= a, errorMessage);
521 uint256 c = a - b;
522
523</pre>
```



LINE 552

low SEVERITY

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

Source File

- LunarRabbit.sol

```
* @dev Returns the integer division of two unsigned integers. Reverts on
the division by zero. The result is rounded towards zero.

* Counterpart to Solidity's `/` operator. Note: this function uses a

* `revert` opcode (which leaves remaining gas untouched) while Solidity

* Counterpart to Solidity is `/` operator. Note: this function uses a
```



LINE 568

low SEVERITY

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

Source File

- LunarRabbit.sol

```
567 * @dev Returns the integer division of two unsigned integers. Reverts with custom message on
568 * division by zero. The result is rounded towards zero.
569 *
570 * Counterpart to Solidity's `/` operator. Note: this function uses a
571 * `revert` opcode (which leaves remaining gas untouched) while Solidity
572
```



LINE 570

low SEVERITY

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

Source File

- LunarRabbit.sol

```
569 *
570 * Counterpart to Solidity's `/` operator. Note: this function uses a
571 * `revert` opcode (which leaves remaining gas untouched) while Solidity
572 * uses an invalid opcode to revert (consuming all remaining gas).
573 *
574
```



LINE 604

low SEVERITY

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

Source File

- LunarRabbit.sol

```
* @dev Returns the remainder of dividing two unsigned integers. (unsigned integer modulo),

604 * Reverts with custom message when dividing by zero.

605 *

606 * Counterpart to Solidity's `%` operator. This function uses a `revert`

607 * opcode (which leaves remaining gas untouched) while Solidity uses an

608
```



LINE 650

low SEVERITY

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

Source File

- LunarRabbit.sol

```
649 /**
650 * @dev Leaves the contract without owner. It will not be possible to call
651 * `onlyOwner` functions anymore. Can only be called by the current owner.
652 *
653 * NOTE: Renouncing ownership will leave the contract without an owner,
654
```



LINE 711

low SEVERITY

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

Source File

- LunarRabbit.sol

```
710 /**
711 * @dev Adds two int256 variables and fails on overflow.
712 */
713 function add(int256 a, int256 b) internal pure returns (int256) {
714 int256 c = a + b;
715
```



LINE 715

low SEVERITY

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

Source File

- LunarRabbit.sol

```
714 int256 c = a + b;
715 require((b >= 0 && c >= a) || (b < 0 && c < a));
716 return c;
717 }
718
719
```



LINE 730

low SEVERITY

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

Source File

- LunarRabbit.sol

```
729 require(a >= 0);
730 return uint256(a);
731 }
732 }
733
734
```



LINE 738

low SEVERITY

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

Source File

- LunarRabbit.sol

```
737 require(b >= 0);
738 return b;
739 }
740 }
741
742
```



LINE 750

low SEVERITY

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

Source File

- LunarRabbit.sol

```
address tokenB,

uint amountADesired,

uint amountBDesired,

uint amountAMin,

uint amountBMin,

753

uint amountBMin,
```



LINE 990

low SEVERITY

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

Source File

- LunarRabbit.sol

```
989
990 marketingWallet = address(0x6bd7f652BB574c6f3336b45448c1b4b2d09CF777); // set as marketing wallet
991 stakingWallet = address(_owner); // set as dev wallet
992 teamWallet = address(0x2ea8EE42dA22f5208905B55F15C66EdA3BFDcfA6); // set as teamWallet
993
994
```



LINE 991

low SEVERITY

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

Source File

- LunarRabbit.sol

```
990 marketingWallet = address(0x6bd7f652BB574c6f3336b45448c1b4b2d09CF777); // set as marketing wallet
991 stakingWallet = address(_owner); // set as dev wallet
992 teamWallet = address(0x2ea8EE42dA22f5208905B55F15C66EdA3BFDcfA6); // set as teamWallet
993
994
995
```



LINE 997

low SEVERITY

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

Source File

- LunarRabbit.sol

```
996
997 //Adding Variables for all the routers for easier deployment for our customers.
998 if (block.chainid == 56) {
999 currentRouter = 0x10ED43C718714eb63d5aA57B78B54704E256024E; // PCS Router
1000 } else if (block.chainid == 97) {
1001
```



LINE 1000

low SEVERITY

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

Source File

- LunarRabbit.sol

```
999    currentRouter = 0x10ED43C718714eb63d5aA57B78B54704E256024E; // PCS Router
1000    } else if (block.chainid == 97) {
1001        currentRouter = 0xD99D1c33F9fC3444f8101754aBC46c52416550D1; // PCS Testnet
1002    } else if (block.chainid == 43114) {
1003        currentRouter = 0x60aE616a2155Ee3d9A68541Ba4544862310933d4; //Avax Mainnet
1004
```



LINE 1004

low SEVERITY

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

Source File

- LunarRabbit.sol



LINE 1088

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1087
1088 function decimals() public view override returns (uint8) {
1089 return _decimals;
1090 }
1091
1092
```



LINE 1097

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1096
1097 // only use this to disable swapback and send tax in form of tokens
1098 function updateRescueSwap(bool enabled) external onlyOwner(){
1099 rescueSwap = enabled;
1100 }
1101
```



LINE 1098

low SEVERITY

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

Source File

- LunarRabbit.sol

```
// only use this to disable swapback and send tax in form of tokens
function updateRescueSwap(bool enabled) external onlyOwner(){
rescueSwap = enabled;
}
```



LINE 1099

low SEVERITY

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

Source File

- LunarRabbit.sol

```
function updateRescueSwap(bool enabled) external onlyOwner(){
  rescueSwap = enabled;
  1100  }
  1101
  function setStakingEnabled(bool enabled) external onlyOwner(){
  1103
```



LINE 1103

low SEVERITY

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

Source File

- LunarRabbit.sol

```
function setStakingEnabled(bool enabled) external onlyOwner(){
function setStakingEnabled = enabled;
function updateBuyFees(uint256 _marketingFee, uint256 _liquidityFee, uint256 _devFee, uint256 _teamFee) external onlyOwner {
function updateBuyFees(uint256 _marketingFee, uint256 _liquidityFee, uint256 _devFee, uint256 _teamFee) external onlyOwner {
function setStakingEnabled(bool enabled) external onlyOwner(){
function setStakingEnabled(bool enabled) external onlyOwner(){
function setStakingEnabled(bool enabled) external onlyOwner(){
function setStakingEnabled = enabled;
function updateBuyFees(uint256 _marketingFee, uint256 _liquidityFee, uint256 _devFee, uint256 _teamFee)
```



LINE 1105

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1104  }
1105
1106  function updateBuyFees(uint256 _marketingFee, uint256 _liquidityFee, uint256
  _devFee, uint256 _teamFee) external onlyOwner {
1107  buyMarketingFee = _marketingFee;
1108  buyLiquidityFee = _liquidityFee;
1109
```



LINE 1106

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1105
1106  function updateBuyFees(uint256 _marketingFee, uint256 _liquidityFee, uint256
  _devFee, uint256 _teamFee) external onlyOwner {
1107  buyMarketingFee = _marketingFee;
1108  buyLiquidityFee = _liquidityFee;
1109  buyStakingFee = _devFee;
1110
```



LINE 1127

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1126  transferLiquidityFee = _liquidityFee;
1127  transferStakingFee = _devFee;
1128  transferTeamFee = _teamFee;
1129  transferTotalFees = transferMarketingFee + transferLiquidityFee +
  transferStakingFee + transferTeamFee;
1130  require(transferTotalFees <= 11, "Must keep fees at 11% or less");
1131</pre>
```



LINE 1138

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1137
1138 function setAutomatedMarketMakerPair(address pair, bool value) external onlyOwner
{
1139    require(pair != uniswapV2Pair, "The pair cannot be removed from
automatedMarketMakerPairs");
1140
1141    _setAutomatedMarketMakerPair(pair, value);
1142
```



LINE 1150

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1149
1150  function updateMarketingWallet(address newMarketingWallet) external onlyOwner {
1151  emit marketingWalletUpdated(newMarketingWallet, marketingWallet);
1152  marketingWallet = newMarketingWallet;
1153  }
1154
```



LINE 1222

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1221 !_isExcludedFromFees[from] &&
1222 !_isExcludedFromFees[to]
1223 ) {
1224 swapping = true;
1225
1226
```



LINE 1239

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1238  uint256 fees = 0;
1239    // only take fees on buys/sells, do not take on wallet transfers
1240    if(takeFee){
1241
1242    if (automatedMarketMakerPairs[to]){
1243
```



LINE 1260

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1259  }
1260  } else if (transferTotalFees > 0){
1261  fees = amount.mul(transferTotalFees).div(100);
1262  tokensForLiquidity += fees * transferLiquidityFee / transferTotalFees;
1263  tokensForStaking += fees * transferStakingFee / transferTotalFees;
1264
```



LINE 1261

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1260  } else if (transferTotalFees > 0){
1261  fees = amount.mul(transferTotalFees).div(100);
1262  tokensForLiquidity += fees * transferLiquidityFee / transferTotalFees;
1263  tokensForStaking += fees * transferStakingFee / transferTotalFees;
1264  tokensForMarketing += fees * transferMarketingFee / transferTotalFees;
1265
```



LINE 1262

low SEVERITY

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

Source File

- LunarRabbit.sol

```
fees = amount.mul(transferTotalFees).div(100);
tokensForLiquidity += fees * transferLiquidityFee / transferTotalFees;
tokensForStaking += fees * transferStakingFee / transferTotalFees;
tokensForMarketing += fees * transferMarketingFee / transferTotalFees;
tokensForTeam += fees * transferTeamFee / transferTotalFees;
1266
```



LINE 1263

low SEVERITY

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

Source File

- LunarRabbit.sol

```
tokensForLiquidity += fees * transferLiquidityFee / transferTotalFees;
tokensForStaking += fees * transferStakingFee / transferTotalFees;

tokensForMarketing += fees * transferMarketingFee / transferTotalFees;

tokensForTeam += fees * transferTeamFee / transferTotalFees;

tokensForTeam += fees * transferTeamFee / transferTotalFees;

1265 }

1267
```



LINE 1264

low SEVERITY

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

Source File

- LunarRabbit.sol

```
tokensForStaking += fees * transferStakingFee / transferTotalFees;
tokensForMarketing += fees * transferMarketingFee / transferTotalFees;
tokensForTeam += fees * transferTeamFee / transferTotalFees;
}

1266 }
1267
1268
```



LINE 1269

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1268  if(fees > 0){
1269    super._transfer(from, address(this), fees);
1270  }
1271
1272    amount -= fees;
1273
```



LINE 1270

low SEVERITY

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

Source File

- LunarRabbit.sol



LINE 1275

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1274
1275 super._transfer(from, to, amount);
1276 }
1277
1278 function swapTokensForEth(uint256 tokenAmount) private {
1279
```



LINE 1278

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1277
1278 function swapTokensForEth(uint256 tokenAmount) private {
1279
1280 // generate the uniswap pair path of token -> weth
1281 address[] memory path = new address[](2);
1282
```



LINE 1280

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1279
1280 // generate the uniswap pair path of token -> weth
1281 address[] memory path = new address[](2);
1282 path[0] = address(this);
1283 path[1] = uniswapV2Router.WETH();
1284
```



LINE 1281

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1280  // generate the uniswap pair path of token -> weth
1281  address[] memory path = new address[](2);
1282  path[0] = address(this);
1283  path[1] = uniswapV2Router.WETH();
1284
1285
```



LINE 1285

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1284
1285 _approve(address(this), address(uniswapV2Router), tokenAmount);
1286
1287 // make the swap
1288 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
1289
```



LINE 1287

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1286
1287 // make the swap
1288 uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
1289 tokenAmount,
1290 0, // accept any amount of ETH
1291
```



LINE 1288

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1287  // make the swap
1288  uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
1289  tokenAmount,
1290  0, // accept any amount of ETH
1291  path,
1292
```



LINE 1290

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1289 tokenAmount,
1290 0, // accept any amount of ETH
1291 path,
1292 address(this),
1293 block.timestamp
1294
```



LINE 1291

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1290 0, // accept any amount of ETH
1291 path,
1292 address(this),
1293 block.timestamp
1294 );
1295
```



LINE 1293

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1292 address(this),
1293 block.timestamp
1294 );
1295
1296 }
1297
```



LINE 1294

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1293 block.timestamp
1294 );
1295
1296 }
1297
1298
```



LINE 1294

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1293 block.timestamp
1294 );
1295
1296 }
1297
1298
```



LINE 1300

low SEVERITY

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

Source File

- LunarRabbit.sol

```
// approve token transfer to cover all possible scenarios
_approve(address(this), address(uniswapV2Router), tokenAmount);

// add the liquidity
uniswapV2Router.addLiquidityETH{value: ethAmount}(

1304
```



LINE 1344

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1343
1344 // Halve the amount of liquidity tokens
1345 uint256 liquidityTokens = contractBalance * tokensForLiquidity / totalTokensToSwap
/ 2;
1346 uint256 stakingTokens = contractBalance * tokensForStaking / totalTokensToSwap;
1347 uint256 amountToSwapForETH =
contractBalance.sub(liquidityTokens).sub(stakingTokens);
1348
```



LINE 1345

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1344 // Halve the amount of liquidity tokens
1345 uint256 liquidityTokens = contractBalance * tokensForLiquidity / totalTokensToSwap
/ 2;
1346 uint256 stakingTokens = contractBalance * tokensForStaking / totalTokensToSwap;
1347 uint256 amountToSwapForETH =
contractBalance.sub(liquidityTokens).sub(stakingTokens);
1348
1349
```



LINE 1346

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1345    uint256 liquidityTokens = contractBalance * tokensForLiquidity / totalTokensToSwap
/ 2;
1346    uint256 stakingTokens = contractBalance * tokensForStaking / totalTokensToSwap;
1347    uint256 amountToSwapForETH =
contractBalance.sub(liquidityTokens).sub(stakingTokens);
1348
1349    uint256 initialETHBalance = address(this).balance;
1350
```



LINE 1347

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1346    uint256    stakingTokens = contractBalance * tokensForStaking / totalTokensToSwap;
1347    uint256    amountToSwapForETH =
    contractBalance.sub(liquidityTokens).sub(stakingTokens);
1348
1349    uint256    initialETHBalance = address(this).balance;
1350
1351
```



LINE 1356

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1355
1356  uint256 ethForMarketing =
ethBalance.mul(tokensForMarketing).div(totalTokensToSwap);
1357  uint256 ethForTeam = ethBalance.mul(tokensForTeam).div(totalTokensToSwap);
1358
1359  uint256 ethForLiquidity = ethBalance - ethForMarketing - ethForTeam;
1360
```



LINE 1356

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1355
1356  uint256 ethForMarketing =
ethBalance.mul(tokensForMarketing).div(totalTokensToSwap);
1357  uint256 ethForTeam = ethBalance.mul(tokensForTeam).div(totalTokensToSwap);
1358
1359  uint256 ethForLiquidity = ethBalance - ethForMarketing - ethForTeam;
1360
```



LINE 1356

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1355
1356  uint256 ethForMarketing =
ethBalance.mul(tokensForMarketing).div(totalTokensToSwap);
1357  uint256 ethForTeam = ethBalance.mul(tokensForTeam).div(totalTokensToSwap);
1358
1359  uint256 ethForLiquidity = ethBalance - ethForMarketing - ethForTeam;
1360
```



LINE 1363

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1362 tokensForMarketing = 0;
1363 tokensForStaking = 0;
1364 tokensForTeam = 0;
1365
1366 (success,) = address(teamWallet).call{value: ethForTeam}("");
1367
```



LINE 1366

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1365
1366 (success,) = address(teamWallet).call{value: ethForTeam}("");
1367
1368 if(liquidityTokens > 0 && ethForLiquidity > 0){
1369 addLiquidity(liquidityTokens, ethForLiquidity);
1370
```



LINE 1383

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1382 }
1383 }
1384
```



SWC-103 | A FLOATING PRAGMA IS SET.

LINE 47

low SEVERITY

The current pragma Solidity directive is ""^0.8.17"". 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

- LunarRabbit.sol

```
function totalSupply() external view returns (uint);
function balanceOf(address owner) external view returns (uint);
function allowance(address owner, address spender) external view returns (uint);
function approve(address spender, uint value) external returns (bool);
function approve(address spender, uint value) external returns (bool);
```



LINE 1088

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1087
1088 function decimals() public view override returns (uint8) {
1089 return _decimals;
1090 }
1091
1092
```



LINE 1092

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1091
1092 // only use to disable contract sales if absolutely necessary (emergency use only)
1093 function updateSwapEnabled(bool enabled) external onlyOwner(){
1094 swapEnabled = enabled;
1095 }
1096
```



LINE 1307

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1306 0, // slippage is unavoidable
1307 0, // slippage is unavoidable
1308 deadAddress,
1309 block.timestamp
1310 );
1311
```



LINE 1308

low SEVERITY

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

Source File

- LunarRabbit.sol

```
1307 0, // slippage is unavoidable
1308 deadAddress,
1309 block.timestamp
1310 );
1311 }
```



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