

RugFreeCoins Audit



Hodl4Gold Token

Smart Contract Security Audit

December 29, 2021

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Audit details



Audited project

Hodl4Gold Token



Contract Address

0xE8c4bEce93084D649fB630886b5332942b643BB9



Client contact

Hodl4Gold Team



Blockchain

Binance smart chain



Project website

https://hold.rugfreecoins.com/

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at 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 disclaimer below – please make sure to read it in full.

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Background

Rugfreecoins was commissioned by Hodl4Gold Token to perform an audit of the smart contract.

https://bscscan.com/address/0xE8c4bEce93084D649fB630886b5332942b643BB9

The focus of this audit is to verify that the smart contract is secure, resilient and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, long term sustainability and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

About the project

Hodl4Gold is a token built on the Binance Smart Chain that is with an innovative investment use case the main purpose of which is to seek out constant revenue sources, which in turn, powers reward combined with BUSD auto distribution, lottery system and auto burn. The projects is having 4 main use cases of NFT minting Dapp and the marketplace, lottery platform, play to earn game and reflection launchpad with the DEX platform. Each transaction, purchase and sale incur 20% fee.

Features

- The BUSD rewards will be distributed among every holder proportional to how many tokens each individual holds in values of 13% when buying and selling.
- ❖ The additional component included under the sustainability section is a liquidity fee of 3% from buying and selling, which is a redistribution mechanism that ensures the trading pool always has sufficient liquidity.
- ❖ The lottery fee is 1% when buying and selling is what allows Hodl4Gold to become the most commonly known and recognized lottery token in the crypto sphere. In order for a cryptocurrency to grow and gain traction, especially in the Altcoin market, it must have a 'use-case', which only usually comes with the promise of a better future. The Hodl4Gold team is motivated by the idea that the coin will have a use-case from day one! The gambling industry has been around for centuries, and there will be an evergrowing crowd of 'gamblers' and players in the crypto sphere, as cryptocurrencies slowly become the staple in terms of money transactions around the world. In order to support this transition, Hodl4Gold wishes to establish itself as the most competitive and well-known lottery token in the industry, all the while progressively growing a following.

With Hodl4Gold, the chances of winning are relative to how many tokens you hold, which means that all holders are incentivized to buy more tokens in the long term if they wish to increase their chances of winning the lottery.

And later the platform will be enhanced to buying a ticket to entry with H4G. The H4G is sent to the burn wallet and contributes to the daily volume. Users can win by having from 2 Numbers to 6 Numbers correct in sequence. All funds not distributed compounds to the next week's Lotto jackpot growing the Jackpot to a Life-Changing Pot in BNB.

❖ The sustainability fee of 1% when buying and selling for marketing and dev is what allows Hodl4Gold to hold the aforementioned promise. Tokens will be swapped into BNB and will be sent to a marketing wallet per transaction. This way, Hodl4Gold will have enough funds to promote the coin and spend for future development without selling tokens as the traditional way.

- ❖ 1% of fee will be charged when buying and selling for the team expenses.
- ❖ Hodl4Gold has the burn strategy that a 1% fee in each transaction when selling is getting charged that benefits and rewards those who invest long-term. This feature slowly reduces supply making each Hodl4Gold more and more valuable.

Tokenomics

20% fee when buying & selling

- ❖ 13% of trade goes to holders pockets in BUSD.
- ❖ 3% of trade goes to the liquidity pool.
- 1% of trade goes to the burn wallet.
- ❖ 1% of trade goes to development and marketing.
- ❖ 1% of trade goes to the team wallet.
- 1% trade goes to the lottery pool.

Roadmap

Phase 1

- Develop Contract
- Establishment of all the social networks
- Marketing campaign
- First audit
- Publish website, roadmap and whitepaper
- Marketing campaign
- Private sale/Seed round
- Lottery platform development
- NFT Minting Dapp and Marketplace development
- Testing Dapps
- Pre-sale on Pinksale
- Token launch on PancakeSwap
- Lottery platform launch
- NFT Minting Dapp and Marketplace launch
- BUSD rewards dashboard launch
- Listing Coingecko & Coinmarketcap
- Weekly lottery drawing
- Kick-off DEX development
- Kick-off the reflection launchpad development

Phase 2

- Release the native token DEX platform
- Influencer marketing
- Extensive marketing campaign Partnerships
- Reflection launchpad beta version release
- Start development of the NFT Game
- Start release of first Game NFT's on marketplace

Phase 3

- More extensive marketing campaigns across the world
- Onboard more buyers and sellers to the project
- Complete DEX platform release
- Complete reflection launchpad release
- Complete game platform release

Target market and the concept

Target market

- ❖ Anyone who's interested in the Crypto space with long-term investment plans.
- ❖ Anyone who's ready to earn a passive income in BUSD by holding tokens.
- Anyone who's interested in trading tokens.
- ❖ Anyone who is ready to hold and be eligible to win in the daily lottery
- Anyone who is ready to hold a large portion of tokens and be eligible to get a high chance of winning in the lottery.
- ❖ Anyone who's interested in collecting NFTs or trading NFTs.
- ❖ Anyone who wants mint any design through Hodl4Gold minting Dapp platform.
- ❖ Anyone who's interested in taking part with the future plans of the Hodl4Gold token.
- ❖ Anyone who wants to be part with the Hodl4Gold NFT marketplace with buying and selling.
- ❖ Anyone who's interested in taking part with Hodl4Gold reflection launchpad.
- ❖ Anyone who's interested in taking part with Hodl4Gold play to earn game and win rewards.
- Anyone who's interested in making financial transactions with any other party using BUSD, BNB or Hodl4Gold as the currency.

Core concept

The Hodl4Gold reward system

13% of each transaction when buying and selling get converted to BUSD and is split amongst all holders. Holders will be eligible to receive tokens every one hour and rewards are proportional to how many tokens each individual holds.

Sustainable mechanism

The sustainability fee of 1% when buying and selling for marketing and dev and 1% fee for the team is what allows Hodl4Gold to promote the token and use funds to further the development of the platform. Tokens will be swapped into BNB and will be sent to a marketing wallet per transaction. This way, Hodl4Gold will have access to the funds without selling tokens as the traditional way, which will enable them to consume funds without hurting the project.

The liquidity fee of 3%, which is a redistribution mechanism that ensures the trading pool always has sufficient liquidity.

Hodl4Gold has the burn strategy that **1% fee in each transaction when selling** is getting charged that benefits and rewards those who invest long-term. This feature slowly reduces supply making each Kira Doge more and more valuable.

Lottery pool & lottery platform

The concept encourages,

- ❖ Investors, to hold the token for a long time, which makes them believe in the project and keep the hopes high of expecting to win a huge prize at once.
- ❖ Investors buy more and more since the chance of winning is higher.
- ❖ The concept is revolutionary and certainly can get the attraction of new investors as the project progresses along.
- ❖ Project market price and market cap can keep stable if everything goes according to the plan since keeping tokens will seem more profitable than selling.

Weekly Lottery drawing

Hodl4Gold lottery is with a strong use case specifically targeting the gambling industry aiming for any long-term believers and holders to give a chance to be eligible for the weekly lottery and win. The most unique core part of the Hodl4Gold is that the chances of winning are relative to how many tokens investors hold, which means that all holders are incentivized to buy more tokens in the long term if they wish to increase their chances of winning the lottery.

How Chances of Winning are Calculated

Chances of winning will be calculated in indirect proportion to how many tokens each holder has. This means that having more tokens does increase your chances of winning, but not in a linear fashion. Instead, a logarithmic function will be used to convert the proportion of holdings that each investor has and calculate their chances of winning accordingly. This will lower the discrepancy in the probability of winning between a whale and a small investor while keeping our largest investors at an advantage.

No. of tokens	% chance of winning	Log transformation	% of winning (log transformation)
15	0.50	1.17609	0.36784
07	0.23	0.84510	0.26432
05	0.17	0.69897	0.21861
03	0.10	0.477120	0.14923
То	tal	3.19728	1

Lottery Drawing Dapp

The lottery platform will be visible in an interface, where all contract holders are visible with their wallet IDs and the number of tokens they hold. Holders can connect wallets and check the probability of winning against the rest of the holders.

Winners will be chosen on a random draw, live on video chat. The winners will be populated on the web with wallet IDs and the amounts they won.

Potential to grow with score points

1.	Project efficiency	10/10
2.	Project uniqueness	10/10
3	Information quality	10/10
4	Service quality	10/10
5	System quality	10/10
6	Impact on the community	10/10
7	Impact on the business	10/10
8 Preparing for the future		10/10
Total	10/10	

Contract details

Token contract details for 29th December 2021

Contract name	Hodl4Gold
Contract address	0xE8c4bEce93084D649fB630886b5332942b643BB9
Token supply	1,000,000,000,000
Token ticker	H4G
Decimals	9
Token holders	1
Transaction count	2
Lottery wallet	0x9cec888042de4bf5941608b30a3da50a39fcf9a5
Dividend tracker	0x1c847588c8db79e1519838edac3c3741dcf348a3
Marketing wallet	0x4d9811c62a3c9299aae9ca573727b3f7c8730989
Team wallet	0x9a24337bbf6a553182692b5b9d20bc6818b1d853
Contract deployer address	0x8E5B6881A65ab67178BF7Bc4B5AbE6AD3fCce0dD
Contract's current owner address	0x500a3bfadb7308e932bb6d07f49c674d088c981b

Contract code function details

No	Category	Item	Result
		BRC20 Token standards	pass
		compile errors	pass
		Compiler version security	pass
		visibility specifiers	pass
		Gas consumption	pass
1	Coding conventions	SafeMath features	pass
		Fallback usage	pass
		tx.origin usage	pass
		deprecated items	pass
		Redundant code	pass
		Overriding variables	pass
	Function call audit	Authorization of function call	pass
2		Low level function (call/delegate call) security	pass
		Returned value security	pass
		Selfdestruct function security	pass
		Access control of owners	pass
3	Business security	Business logics	pass
		Business implementations	pass
4	Integer overflow/underflow		pass
5	Reentrancy		pass
6	Exceptional reachable state		pass
7	Transaction ordering dependence		pass
8	Block properties dependence		pass
9	Pseudo random number generator (PRNG)		pass
10	DoS (Denial of Service)		pass
11	Token vesting implementation		pass
12	Fake deposit		pass
13	Event security		pass

Contract description table

Below table represents the summary of the contracts and methods in the token contract. We scanned the whole contract and listed down all the Interfaces, functions and implementations with its visibility and mutability.

Contract	Туре	Bases		
L	Function Name	Visibility	Mutability	Modifiers
Context	Implementation			
L	_msgSender	Internal 🖺		
L	_msgData	Internal 🖺		
Ownable	Implementation	Context		
L		Public [NO
L	owner	Public [NO[
L	renounceOwnershi p	Public [onlyOwner
L	transferOwnership	Public [onlyOwner
IERC20	Interface			
L	totalSupply	External 🌡		NO
L	balanceOf	External [NO
L	transfer	External [NO]

L	allowance	External [NO[
L	approve	External [МО[
L	transferFrom	External [NO[
ERC20	Implementation	Context, IERC20	
L		Public [ио[
L	name	Public [NO[
L	symbol	Public [МО[
L	decimals	Public [NO[
L	totalSupply	Public [NO[
L	balanceOf	Public [NO[
L	transfer	Public [МО[
L	allowance	Public [МО[
L	approve	Public [NO[
L	transferFrom	Public [МО[
L	increaseAllowance	Public [МО[
L	decreaseAllowance	Public [МО[
L	_transfer	Internal 🖺	

L	_mint	Internal 🖺		
L	_burn	Internal 🖺		
L	_approve	Internal 🖺		
L	_setupDecimals	Internal 🖺		
L	_beforeTokenTrans fer	Internal 🖺		
IDividendPayingTok en	Interface			
L	dividendOf	External [NO
L	distributeDividends	External [<u>CD</u>	NO
L	withdrawDividend	External [NO
IDividendPayingTok enOptional	Interface			
L	withdrawableDivide ndOf	External [NO
L	withdrawnDividend Of	External [NO
L	accumulativeDivide ndOf	External [NO
DividendPayingToke n	Implementation	ERC20, IDividendPayingToken, IDividendPayingToken Optional		
L		Public [ERC20

L		External [<u>cia</u>	NO[
L	distributeDividends	Public [<u>CD</u>	NO[
L	distributeDividends	Public [NO[
L	withdrawDividend	Public [NO[
L	setDividendTokenA ddress	Public [NO[
L	_withdrawDividend OfUser	Internal 🖺		
L	dividendOf	Public [NO[
L	withdrawableDivide ndOf	Public [NO
L	withdrawnDividend Of	Public [NO[
L	accumulativeDivide ndOf	Public [NO[
L	_transfer	Internal 🖺		
L	_mint	Internal 🖺		
L	_burn	Internal 🖺		
L	_setBalance	Internal 🖺		
			T	I
IUniswapV2Factory	Interface			
L	feeTo	External [NO
L	feeToSetter	External [NO[

L	getPair	External 🌡	NO
L	allPairs	External [NO[
L	allPairsLength	External [NO[
L	createPair	External 🌡	NO[
L	setFeeTo	External [NO[
L	setFeeToSetter	External [NO[
IUniswapV2Pair	Interface		
L	name	External 🌡	NO
L	symbol	External [NO[
L	decimals	External [МОД
L	totalSupply	External [МО[
L	balanceOf	External [МО[
L	allowance	External [NO[
L	approve	External [NO[
L	transfer	External [NO[
L	transferFrom	External [NO[
L	DOMAIN_SEPARA TOR	External 🌡	NOÏ

L	PERMIT_TYPEHA SH	External 🎚	NO
L	nonces	External [NO
L	permit	External [NO[
L	MINIMUM_LIQUIDI TY	External [NO
L	factory	External [NO
L	token0	External [NO
L	token1	External [NO[
L	getReserves	External [NO
L	price0CumulativeL ast	External [NO
L	price1CumulativeL ast	External [NO
L	kLast	External 🌡	NO
L	mint	External 🎚	NO
L	burn	External [NO
L	swap	External 🎚	NO
L	skim	External 🎚	NO
L	sync	External 🌡	NO
L	initialize	External [NO[

IUniswapV2Router01	Interface			
L	factory	External [NO
L	WETH	External [NO[
L	addLiquidity	External [NO
L	addLiquidityETH	External [<u>CD</u>	NO
L	removeLiquidity	External [NO
L	removeLiquidityET H	External [NO
L	removeLiquidityWit hPermit	External [NO[
L	removeLiquidityET HWithPermit	External [NO[
L	swapExactTokensF orTokens	External [NO
L	swapTokensForEx actTokens	External [NO[
L	swapExactETHFor Tokens	External [<u>CID</u>	NO
L	swapTokensForEx actETH	External [NO
L	swapExactTokensF orETH	External [NO
L	swapETHForExact Tokens	External [Gip	NO
L	quote	External [NO
L	getAmountOut	External [NO
L	getAmountIn	External 🏿		NO

L	getAmountsOut	External 🎚		NO[
L	getAmountsIn	External 🎚		NO[
IUniswapV2Router02	Interface	IUniswapV2Router01		
L	removeLiquidityET HSupportingFeeOn TransferTokens	External [NOI
L	removeLiquidityET HWithPermitSuppo rtingFeeOnTransfer Tokens	External [NO
L	swapExactTokensF orTokensSupportin gFeeOnTransferTo kens	External 🌡		NOI
L	swapExactETHFor TokensSupportingF eeOnTransferToke ns	External 🎚	<u>CD</u>	NO
L	swapExactTokensF orETHSupportingF eeOnTransferToke ns	External [NO
IterableMapping	Library			
L	get	Public [МО[
L	getIndexOfKey	Public [NO[
L	getKeyAtIndex	Public [NO[
L	size	Public [NO[
L	set	Public [NO[

L	remove	Public [NO[
SafeMath	Library		
L	tryAdd	Internal 🖺	
L	trySub	Internal 🖺	
L	tryMul	Internal 🖺	
L	tryDiv	Internal 🖺	
L	tryMod	Internal 🖺	
L	add	Internal 🖺	
L	sub	Internal 🖺	
L	mul	Internal 🖺	
L	div	Internal 🖺	
L	mod	Internal 🖺	
L	sub	Internal 🖺	
L	div	Internal 🖺	
L	mod	Internal 🖺	
SafeMathInt	Library		
L	mul	Internal 🖺	

L	div	Internal 🖺		
L	sub	Internal 🖺		
L	add	Internal 🖺		
L	toUint256Safe	Internal 🖺		
SafeMathUint	Library			
L	toInt256Safe	Internal 🖺		
	,		1	
H4GToken	Implementation	ERC20, Ownable		
L		Public [ERC20
L		External [<u>an</u>	NO
L	whitelistDxSale	Public [onlyOwner
L	excludeFromDivide nds	External [onlyOwner
L	includeInDividend	External [onlyOwner
L	setTradingIsEnable d	Public [onlyOwner
L	updateDividendTra cker	Public [onlyOwner
L	updateBuyFees	Public [onlyOwner
L	updateSellFees	Public [onlyOwner
L	updateUniswapV2 Router	Public [onlyOwner

L	updateMarketingAd dress	Public [onlyOwner
L	updateTeamAddres s	Public [onlyOwner
L	updateLotteryAddre ss	Public [onlyOwner
L	excludeFromFees	Public [onlyOwner
L	excludeMultipleAcc ountsFromFees	Public [onlyOwner
L	setAutomatedMark etMakerPair	Public [onlyOwner
L	_setAutomatedMar ketMakerPair	Private 🖺	
L	updateGasForProc essing	Public [onlyOwner
L	updateClaimWait	External 🎚	onlyOwner
L	getClaimWait	External 🎚	NO
L	getTotalDividendsD istributed	External 🌡	NO
L	isExcludedFromFe es	Public [NO
L	withdrawableDivide ndOf	Public [NO
L	dividendTokenBala nceOf	Public [NO
L	getAccountDividen dsInfo	External [NO
L	getAccountDividen dsInfoAtIndex	External 🎚	NO
L	processDividendTr acker	External 🎚	NO
L	claim	External [NO

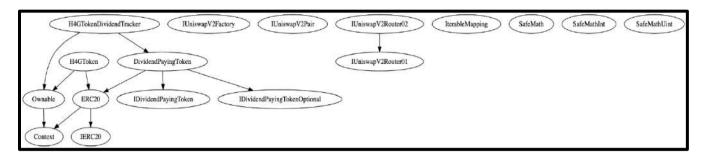
L	getLastProcessedI ndex	External [NO[
L	getNumberOfDivide ndTokenHolders	External 🌡	NO
L	isBlackListed	Public [NO
L	blacklistUpdate	Public 🎚	onlyOwner
L	_transfer	Internal 🖺	
L	swapAndSendBnb	Private 🖺	
L	swapTokensForBN B	Private 🖺	
L	swapTokensForDivi dendToken	Private 🖺	
L	swapAndSendDivid ends	Private 🖺	
L	swapAndSendDivid endsInBNB	Private 🖺	
L	transferToWallet	Private 🖺	
L	swapAndLiquify	Private 🖺	
L	addLiquidity	Private 🖺	
H4GTokenDividendT racker	Implementation	DividendPayingToken, Ownable	
L		Public [DividendPa yingToken
L	_transfer	Internal 🖺	
L	withdrawDividend	Public [NOÏ

L	excludeFromDivide nds	External 🎚	onlyOwner
L	includeInDividends	External [onlyOwner
L	updateClaimWait	External [onlyOwner
L	getLastProcessedI ndex	External [NO
L	getNumberOfToken Holders	External [NO
L	getAccount	Public [NO
L	getAccountAtIndex	Public [NO
L	canAutoClaim	Private 🖺	
L	setBalance	External 🎚	onlyOwner
L	process	Public [NO
L	processAccount	Public [onlyOwner

Legend

Symbol	Meaning
	Function can modify state
	Function is payable

Inheritance Hierarchy



Security issue checking status

- High severity issues No high severity issues found.
- Medium severity issues No medium severity issues found.
- Low severity issues No low severity issues found.
- ❖ Informational
 - The owner can enable/disable trading

```
ftrace|funcSig
function setTradingIsEnabled(bool _enabled1) public onlyOwner {
    tradingIsEnabled = _enabled1;
    emit SwapAndLiquifyEnabledUpdated(_enabled1);
}
```

• The owner can update buy fees

```
ftrace | funcSig
function updateBuyFees(
    uint256 reward 1,
    uint256 team 1,
    uint256 lottery1,
    uint256 liquidity1,
    uint256 burn 1,
    uint256 marketing 1
) public onlyOwner {
    buyDividendRewardsFee = reward1;
    buyLotteryFee = lottery1;
    buyTeamFee = team1;
    buyLiquidityFee = liquidity1;
    buyBurnFee = burn1;
    buyMarketingFee = marketing1;
    buyTotalFees = reward↑
        add(team 1)
        .add(liquidity1)
        add(burn1)
        .add(marketing 1)
        .add(lottery1);
```

• The owner can update sell fees.

```
ftrace | funcSig
function updateSellFees(
   uint256 reward ↑,
   uint256 team1,
   uint256 lottery*,
   uint256 liquidity1,
   uint256 burn ♠,
   uint256 marketing 1
) public onlyOwner {
    sellDividendRewardsFee = reward1;
    sellLotteryFee = lottery1;
    selTeamFee = team1;
    sellLiquidityFee = liquidity1;
    sellBurnFee = burn1;
    sellMarketingFee = marketing1;
    sellTotalFees = reward↑
        .add(team1)
        .add(liquidity1)
        .add(burn1)
        .add(marketing 1)
        .add(lottery1);
```

Owner privileges

The owner can whitelist pre sale address.

```
ftrace | funcSig
function whitelistDxSale(address _presaleAddress ↑) public onlyOwner {
    presaleAddress = _presaleAddress ↑;
    dividendTracker.excludeFromDividends(_presaleAddress ↑);
    excludeFromFees(_presaleAddress ↑, true);
}
```

The owner can exclude and include wallets from dividends.

```
ftrace|funcSig
function excludeFromDividends(address wallet 1) external onlyOwner {
    dividendTracker.excludeFromDividends(wallet 1);
}

ftrace|funcSig
function includeInDividend(address wallet 1) external onlyOwner {
    dividendTracker.includeInDividends(wallet 1, balanceOf(wallet 1));
}
```

The owner can enable/disable trading.

```
ftrace|funcSig
function setTradingIsEnabled(bool _enabled1) public onlyOwner {
    tradingIsEnabled = _enabled1;
    emit SwapAndLiquifyEnabledUpdated(_enabled1);
}
```

The owner can update the dividend tracker.

The owner can update buy fees.

```
ftrace | funcSig
function updateBuyFees(
    uint256 reward↑,
   uint256 team 1,
   uint256 lottery1,
   uint256 liquidity1,
   uint256 burn1,
   uint256 marketing↑
) public onlyOwner {
    buyDividendRewardsFee = reward1;
    buyLotteryFee = lottery1;
    buyTeamFee = team1;
    buyLiquidityFee = liquidity1;
    buyBurnFee = burn1;
    buyMarketingFee = marketing1;
    buyTotalFees = reward↑
        add(team1)
        .add(liquidity1)
        add(burn1)
        .add(marketing 1)
        .add(lottery1);
```

The owner can update sell fees.

```
ftrace | funcSig
function updateSellFees(
    uint256 reward ↑,
    uint256 team1,
    uint256 lottery*,
    uint256 liquidity 1,
    uint256 burn1,
    uint256 marketing 1
) public onlyOwner {
    sellDividendRewardsFee = reward 🕆 ;
    sellLotteryFee = lottery†;
    selTeamFee = team1;
    sellLiquidityFee = liquidity1;
    sellBurnFee = burn1;
    sellMarketingFee = marketing 1;
    sellTotalFees = reward🕆
        .add(team1)
        .add(liquidity1)
        .add(burn1)
        .add(marketing 1)
        .add(lottery1);
```

The owner can update the router address.

```
ftrace|funcSig
function updateUniswapV2Router(address newAddress1) public onlyOwner {
    require(
         newAddress1 != address(uniswapV2Router),
         "H4G: The router already has that address"
    );
    emit UpdateUniswapV2Router(newAddress1, address(uniswapV2Router));
    uniswapV2Router = IUniswapV2Router02(newAddress1);
}
```

The owner can update marketing, team and lottery address.

```
ftrace|funcSig
function updateMarketingAddress(address newAddress1) public onlyOwner {
    excludeFromFees(marketingWallet, false);
    marketingWallet = newAddress1;
    excludeFromFees(newAddress1, true);
}

ftrace|funcSig
function updateTeamAddress(address newAddress1) public onlyOwner {
    excludeFromFees(teamWallet, false);
    teamWallet = newAddress1;
    excludeFromFees(newAddress1, true);
}

ftrace|funcSig
function updateLotteryAddress(address newAddress1) public onlyOwner {
    excludeFromFees(lotteryWallet, false);
    lotteryWallet = newAddress1;
    excludeFromFees(newAddress1, true);
}
```

The owner can exclude/include wallets from fees.

❖ The owner can update max gas limit and minimum claim wait in the dividend tracker.

The owner can blacklist wallets.

```
ftrace|funcSig
function blacklistUpdate(address user*, bool value*)
   public
   virtual
   onlyOwner
{
    // require(_owner == _msgSender(), "Only owner is allowed to modify blacklist.");
    _blacklist[user*] = value*;
}
```

❖ The owner can transfer and renounce ownership.

Audit conclusion

While conducting the audit of the Hodl4Gold smart contract, it was observed that there is nothing alarming with the code, and it only contains Informational issues.