



RUGFREECOINS



BitBet Premier Token

RugfreeCoins Verified on March 1st, 2024

Overview

No mint function found, the owner cannot mint tokens after initial deployment.

- ✓ The owner can't set a max transaction limit
- ✓ The owner can't pause trading once it's enabled
- ✗ The owner must enable trade for the holders, if trading remains disabled, no one would be able to buy and sell.
- ✓ The owner can't change fees over 9%.
- ✓ The owner can't blacklist wallets.
- ✓ The owner can't set a max wallet limit
- ✓ The owner can't claim the contract's balance of its own token.

! HIGH SEVERITY ISSUES

The owner must enable trade for the holders if trading remains disabled, no one would be able to buy and sell.

```
function enableTrading() public onlyOwner {  
    tradingOpen = true;  
}
```

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Audit details



Audited project

BitBet Premier Token



Contract Address

0x23ac93dB9c305d2D2E9b27F0Dd955166992B0192



Client contact

BitBet Premier Token Team



Blockchain

Binance Smart chain



Project website

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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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

RugfreeCoins was commissioned by the **BitBet Premier Token Team** to perform an audit of the smart contract.

<https://bscscan.com/address/0x23ac93dB9c305d2D2E9b27F0Dd955166992B0192#code>

This audit focuses on verifying 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, and long-term sustainability, and as a guide to improving the smart contract's security posture by remediating the identified issues.

Tokenomics

▲ 0% tax when buying

▲ 7% tax when selling

4% of trade goes to the marketing wallet in USDT












2% of trade goes to the holders as rewards in USDT

1% of trade goes to the Liquidity Pool

Target market and the concept

- ▶ Anyone who's interested in the Crypto space with long-term investment plans.
- ▶ Anyone who's ready to earn a passive income by holding tokens.
- ▶ Anyone who's interested in trading tokens.
- ▶ Anyone who's interested in taking part in the BitBet Premier token ecosystem.
- ▶ Anyone who's interested in taking part in the future plans of BitBet Premier Token.
- ▶ Anyone who's interested in making financial transactions with any other party BitBet Premier Token as the currency.

Potential to grow with score points

 Project efficiency	8 / 10
 Project uniqueness	8 / 10
 Information quality	8 / 10
 Service quality	8 / 10
 System quality	8 / 10
 Impact on the community	8 / 10
 Impact on the business	9 / 10
 Preparing for the future	8 / 10
 Smart contract security	9 / 10
 Smart contract functionality assessment	10 / 10
 Total Score	8.4 / 10

Contract details

Token contract details for 1st of March 2024





Contract name	BitBet Premier
Contract address	0x23ac93dB9c305d2D2E9b27F0Dd955166992B0192
Token supply	400,000,000
Token ticker	BITBET
Decimals	9
Token holders	1
Transaction count	1
Contract deployer address	0x080F287B1e65F8eA30De0C86395a86260fa9e75B
Contract's current owner address	0x518281cf60c101C18fe4d5753254B2a7916A64C5
Dividend Tracker	0x0aa019Ac34060BeE86aDe2797B31808dE9d8679C
Marketing wallet 01	0x518281cf60c101C18fe4d5753254B2a7916A64C5

Contract code function details













































Nº	Category	Item	Result
1	Coding conventions	ERC20 Token standards	PASS ▾
		Compile errors	PASS ▾
		Compiler version security	PASS ▾
		Visibility specifiers	PASS ▾
		Gas consumption	PASS ▾
		SafeMath features	PASS ▾
		Fallback usage	PASS ▾
		tx.origin usage	PASS ▾
		Deprecated items	PASS ▾
		Redundant code	PASS ▾
2	Function call audit	Overriding variables	PASS ▾
		Authorization of function call	PASS ▾
		Low level function (call/delegate call) security	PASS ▾
		Returned value security	PASS ▾
		Self destruct function security	PASS ▾
3	Business security & centralisation	Access control of owners	HIGH ▾
		Business logics	PASS ▾
		Business implementation	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




















The 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 their visibility and mutability.





Contract	Type	Bases		
L	Function Name	Visibility	Mutability	Modifiers
BITBET	Implementation	IERC20, Ownable		
L		Public !		NO !
L		External !		NO !
L	totalSupply	External !		NO !
L	name	Public !		NO !
L	symbol	Public !		NO !
L	decimals	Public !		NO !
L	balanceOf	Public !		NO !
L	getHolderDetails	Public !		NO !
L	getLastProcessedIndex	Public !		NO !
L	getNumberOfTokenHolders	Public !		NO !
L	totalDistributedRewards	Public !		NO !
L	allowance	External !		NO !
L	approve	Public !		NO !
L	_approve	Internal 		
L	approveMax	External !		NO !
L	transfer	External !		NO !
L	transferFrom	External !		NO !
L	_transferFrom	Internal 		
L	_basicTransfer	Internal 		

L	shouldTakeFee	Internal 🔒		
L	takeFee	Internal 🔒	🛑	
L	shouldSwapBack	Internal 🔒		
L	clearStuckBalance	External !	🛑	onlyOwner
L	getBep20Tokens	External !	🛑	onlyOwner
L	updateBuyFees	Public !	🛑	onlyOwner
L	updateSellFees	Public !	🛑	onlyOwner
L	enableTrading	Public !	🛑	onlyOwner
L	whitelistPreSale	Public !	🛑	onlyOwner
L	___claimRewards	Public !	🛑	NO !
L	claimProcess	Public !	🛑	NO !
L	isRewardExclude	Public !		NO !
L	isFeeExclude	Public !		NO !
L	swapBackInBnb	Internal 🔒	🛑	swapping
L	swapAndLiquify	Private 🔒	🛑	
L	swapTokensForEth	Private 🔒	🛑	
L	swapTokensForTokens	Private 🔒	🛑	
L	addLiquidity	Private 🔒	🛑	
L	setIsDividendExempt	External !	🛑	onlyOwner
L	setIsFeeExempt	External !	🛑	onlyOwner
L	addAuthorizedWallets	External !	🛑	onlyOwner
L	setMarketingWallets	External !	🛑	onlyOwner
L	setSwapBackSettings	External !	🛑	onlyOwner
L	setDistributionCriteria	External !	🛑	onlyOwner
L	setDistributorSettings	External !	🛑	onlyOwner
Ownable	Implementation	Context		
L		Public !	🛑	NO !
L	owner	Public !		NO !



L	_checkOwner	Internal 		
L	renounceOwnership	Public 		onlyOwner
L	transferOwnership	Public 		onlyOwner
L	_transferOwnership	Internal 		
IERC20	Interface			
L	totalSupply	External 		NO 
L	balanceOf	External 		NO 
L	transfer	External 		NO 
L	allowance	External 		NO 
L	approve	External 		NO 
L	transferFrom	External 		NO 
Context	Implementation			
L	_msgSender	Internal 		
L	_msgData	Internal 		
L	_contextSuffixLength	Internal 		
IUniswapV2 Factory	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 

IUniswapV2 Router01	Interface			
L	zfactory	External !		NO !
L	WETH	External !		NO !
L	addLiquidity	External !		NO !
L	addLiquidityETH	External !		NO !
L	removeLiquidity	External !		NO !
L	removeLiquidityETH	External !		NO !
L	removeLiquidityWithPermit	External !		NO !
L	removeLiquidityETHWithPermit	External !		NO !
L	swapExactTokensForTokens	External !		NO !
L	swapTokensForExactTokens	External !		NO !
L	swapExactETHForTokens	External !		NO !
L	swapTokensForExactETH	External !		NO !
L	swapExactTokensForETH	External !		NO !
L	swapETHForExactTokens	External !		NO !
L	quote	External !		NO !
L	getAmountOut	External !		NO !
L	getAmountIn	External !		NO !
L	getAmountsOut	External !		NO !
L	getAmountsIn	External !		NO !
IUniswapV2 Router02	Interface	IUniswapV2 Router01		
L	removeLiquidityETHSupportingFeeOnTransferTokens	External !		NO !
L	removeLiquidityETHWithPermitSupportingFeeOnTransferTokens	External !		NO !
L	swapExactTokensForTokensSupportingFeeOnTransferTokens	External !		NO !
L	swapExactETHForTokensSupportingFeeOnTransferTokens	External !		NO !

L	swapExactTokensForETHSupportingFeeOnTransferTokens	External !		NO !
IDividend Distributor	Interface			
L	setDistributionCriteria	External !		NO !
L	setShare	External !		NO !
L	deposit	External !		NO !
L	process	External !		NO !
L	purge	External !		NO !
Dividend Distributor	Implementation	IDividendDistributor		
L		Public !		NO !
L		External !		NO !
L	setDistributionCriteria	External !		onlyToken
L	purge	External !		onlyToken
L	setShare	External !		onlyToken
L	deposit	External !		onlyToken
L	process	External !		onlyToken
L	shouldDistribute	Internal 		
L	distributeDividend	Internal 		
L	claimDividend	External !		NO !
L	claimDividendTo	External !		NO !
L	getUnpaidEarnings	Public !		NO !
L	getHolderDetails	Public !		NO !
L	getCumulativeDividends	Internal 		
L	getLastProcessedIndex	External !		NO !
L	getNumberOfTokenHolders	External !		NO !
L	getShareHoldersList	External !		NO !
L	totalDistributedRewards	External !		NO !

L	addShareholder	Internal 		
L	removeShareholder	Internal 		

Legend

Symbol	Meaning
	Function can modify state
	Function is payable

Security issue checking status

❖ High severity issues

The owner must enable trade for the holders, if trading remains disabled, no one would be able to buy and sell.



```
function enableTrading() public onlyOwner {  
    tradingOpen = true;  
}
```

❖ Medium severity issues

No medium severity issues found

❖ Low severity issues

No high severity issues found

Owner privileges

- ❖ Owner can get BNB from the contract

```
function clearStuckBalance(uint256 amountPercentage) external onlyOwner {  
    uint256 amountBNB = address(this).balance;  
    payable(msg.sender).transfer((amountBNB * amountPercentage) / 100);  
}
```

- ❖ Owner can withdraw any bep20 tokens from the contract (can not withdraw native tokens)

```
function getBep20Tokens(  
    address _tokenAddress,  
    uint256 amount  
) external onlyOwner {  
    require(  
        _tokenAddress != address(this),  
        "You can not withdraw native tokens"  
    );  
    require(  
        IERC20(_tokenAddress).balanceOf(address(this)) >= amount,  
        "No Enough Tokens"  
    );  
    IERC20(_tokenAddress).transfer(msg.sender, amount);  
}
```

- ❖ Owner can change buy and sell fees total fees maximum up to 9%

```
function updateBuyFees(
    uint256 reward,
    uint256 marketing,
    uint256 liquidity
) public onlyOwner {
    buyRewardFee = reward;
    buyMarketingFee = marketing;
    buyLiquidityFee = liquidity;

    buyTotalFees = reward + marketing + liquidity;

    require(
        (buyTotalFees + sellTotalFees) <= 9,
        "Fees can not greater than 9%"
    );
}

function updateSellFees(
    uint256 reward,
    uint256 marketing,
    uint256 liquidity
) public onlyOwner {
    sellRewardFee = reward;
    sellMarketingFee = marketing;
    sellLiquidityFee = liquidity;

    sellTotalFees = reward + marketing + liquidity;

    require(
        (buyTotalFees + sellTotalFees) <= 9,
        "Fees can not greater than 9%"
    );
}
```

- ❖ Owner can enable trading,once enabled can not disable again

```

function enableTrading() public onlyOwner {
    tradingOpen = true;
}

```

- ❖ Owner can whitelist pre sale contract

```

function whitelistPreSale(address _preSale) public onlyOwner {
    isFeeExempt[_preSale] = true;
    isDividendExempt[_preSale] = true;
    isAuthorized[_preSale] = true;
}

```

- ❖ Owner can include/exclude wallets from rewards

```

function setIsDividendExempt(
    address holder,
    bool exempt
) external onlyOwner {
    require(holder != address(this) && holder != pair);
    isDividendExempt[holder] = exempt;
    if (exempt) {
        dividendTracker.setShare(holder, 0);
    } else {
        dividendTracker.setShare(holder, _balances[holder]);
    }
}

```

- ❖ Owner can include/exclude wallets from fees

```
function setIsFeeExempt(address holder, bool exempt) external onlyOwner {  
    isFeeExempt[holder] = exempt;  
}
```

- ❖ Owner can add/remove authorized wallets (who can do transactions before trade enable)

```
function addAuthorizedWallets(  
    address holder,  
    bool exempt  
) external onlyOwner {  
    isAuthorized[holder] = exempt;  
}
```

- ❖ Owner can change marketing wallets

```
function setMarketingWallets(  
    address wallet1,  
    address wallet2  
) external onlyOwner {  
    marketingWallet1 = wallet1;  
    marketingWallet2 = wallet2;  
}
```

- ❖ Owner can enable/disable swapping and can change swap point

```
function setSwapBackSettings(  
    bool _enabled,  
    uint256 _amount  
) external onlyOwner {  
    swapEnabled = _enabled;  
    swapThreshold = _amount;  
}
```

- ❖ Owner can change minimum token to hold receive rewards and minimum reward distribution time

```
function setDistributionCriteria(  
    uint256 _minPeriod,  
    uint256 _minDistribution  
) external onlyOwner {  
    dividendTracker.setDistributionCriteria(_minPeriod, _minDistribution);  
}
```

Audit conclusion

RugFreeCoins team has performed in-depth testing, line-by-line manual code review, and automated audit of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, manipulations, and hacks. According to the smart contract audit.

Smart contract functional Status:	PASS ▾
Smart contract security Status:	HIGH ISSUES ▾
Number of risk issues:	01
Solidity code functional issue level:	PASS ▾
Number of owner privileges:	11
Centralization risk correlated to the active owner:	HIGH ▾
Smart contract active ownership:	ACTIVE ▾