



# Royalproof

## Security Audit Report

Completed on

**18,02,2023**



## OVERVIEW

This audit has been prepared for BusdFactory to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“The results of this audit are purely based on the team’s evaluation and does not guarantee nor reflect the projects outcome and goal ”

**- RoyalProof Team -**



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## PROJECT DESCRIPTION

BusdFactory is a deflationary token designed to become more scarce over time through regular burn. All holders of \$BDF will earn an 8% reward from every Buy/Transfer/Sell Transaction in \$BUSD. 1% from Every Buy/Sell Transaction is sent to Buy-Back wallet, with 1% transferred into the liquidity pool to create a stable price floor. 4% transferred to marketing wallet to keep marketing ongoing forever.

Release Date: Feb. 18, 2023

Category: Hyper deflationary/rewards



# CONTRACT INFO

Token Name	Busd Factory
Symbol	BDF
Contract Address	Ox822fe845762a3f4DBaA5fa804bd1c7E2a46f49A8
Network	Binance Smart Chain
Language	Solidity
Deployment Date	Feb-06-2023 07:19:19 PM +UTC
Verified?	Yes
Total Supply	1,000,000,000,000,000
Status	launched

## TAXES

Reflection Fees	8%
Marketing wallet	4%
Buy back & burn fees	1%
Liquidity fees	1%



# Our Contract Review Process

The contract review process pays special attention to the following:

Testing the smart contracts against both common and uncommon vulnerabilities

- ❖ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ❖ Ensuring contract logic meets the specifications and intentions of the client.
- ❖ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ❖ Thorough line-by-line manual review of the entire codebase by industry experts.
  
- ❖ Blockchain security tools used:
  - ✓ Open Zeppelin
  - ✓ Mythril
  - ✓ Solidity Compiler
  - ✓ Hardhat



# CURRENT STATS

(As of Feb 18, 2023)

Status: Launched

Liquidity: Not added yet

Burn: 0%

MaxTxAmount: 0.125% of total supply

DES: Pancakeswap

LP Address(es): 0xcccc949a76c12fccde59d0242567c03fe0154a2f



# TOKEN TRANSFERS STATS

Transfer Count	2
Uniq Senders	2
Uniq Receivers	2
Total Amount	2,000,000,000,000,000
Median Transfer Amount	-
Average Transfer Amount	-
First transfer date	Feb-06-2023 07:19:19 PM +UTC
Last transfer date	Feb-06-2023 07:40:19 PM +UTC
Days token transferred	1

# SMART CONTRACT STATS

Calls Count	No data points found for the current time series.
External calls	No data points found for the current time series.
Internal calls	No data points found for the current time series.
Transactions count	No data points found for the current time series.
Uniq Callers	No data points found for the current time series.
Days contract called	No data points found for the current time series.
Last transaction time	Feb-06-2023 07:41:55 PM +UTC
Created	Feb-06-2023 07:19:19 PM +UTC
Create TX	0x5301f409e6cef7a258b6a82612192ad847e3b90e3f39a22c29c239207f1e4f2f
Creator	0x1a991845e802cd0422a6a2040180d142a29cce85





# FEATURED WALLETS

Owner address	0x3836a5944722487cf72a16c50fad0114f12ff8fb
*Marketing fee receiver	0xd87c456cc30074167ca4fede34019bc443b67454
Dev fee receiver	
LP address	0xcccc949a76c12fccde59d0242567c03fe0154a2f

\*Address can be changed in future



# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer Overflow and Underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front Running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk-free factor.



### ⚠ Low Risk

Admin can set any address as fee exempt the address with fee exempt don't pay fees

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

### ⚠ Low Risk

Admin can set any address as Transaction Limit exempt the address with Transaction Limit exempt can transfer more than the transaction limit amount which is 0.125% of total supply.

```
function setIsTxLimitExempt(address holder, bool exempt) external authorized {
    isTxLimitExempt[holder] = exempt;
}
```

### ⚠ Low Risk

Every buy, sell and transfer transaction smart contract take 14% of transferring amount.

There is many functions called in the transferFrom function so there will be high gas payments

```
function _transferFrom(address sender, address recipient, uint256 amount) internal returns (bool) {
    if(inSwap){ return _basicTransfer(sender, recipient, amount); }

    checkTxLimit(sender, amount);
    if(shouldSwapBack()){ swapBack(); }
    if(shouldAutoBuyback()){ triggerAutoBuyback(); }
    _balances[sender] = _balances[sender].sub(amount, "Insufficient Balance");

    uint256 amountReceived = shouldTakeFee(sender) ? takeFee(sender, recipient, amount) : amount;

    _balances[recipient] = _balances[recipient].add(amountReceived);

    if(!isDividendExempt[sender]){ try distributor.setShare(sender, _balances[sender]) {} catch {} }
    if(!isDividendExempt[recipient]){ try distributor.setShare(recipient, _balances[recipient]) {} catch {} }

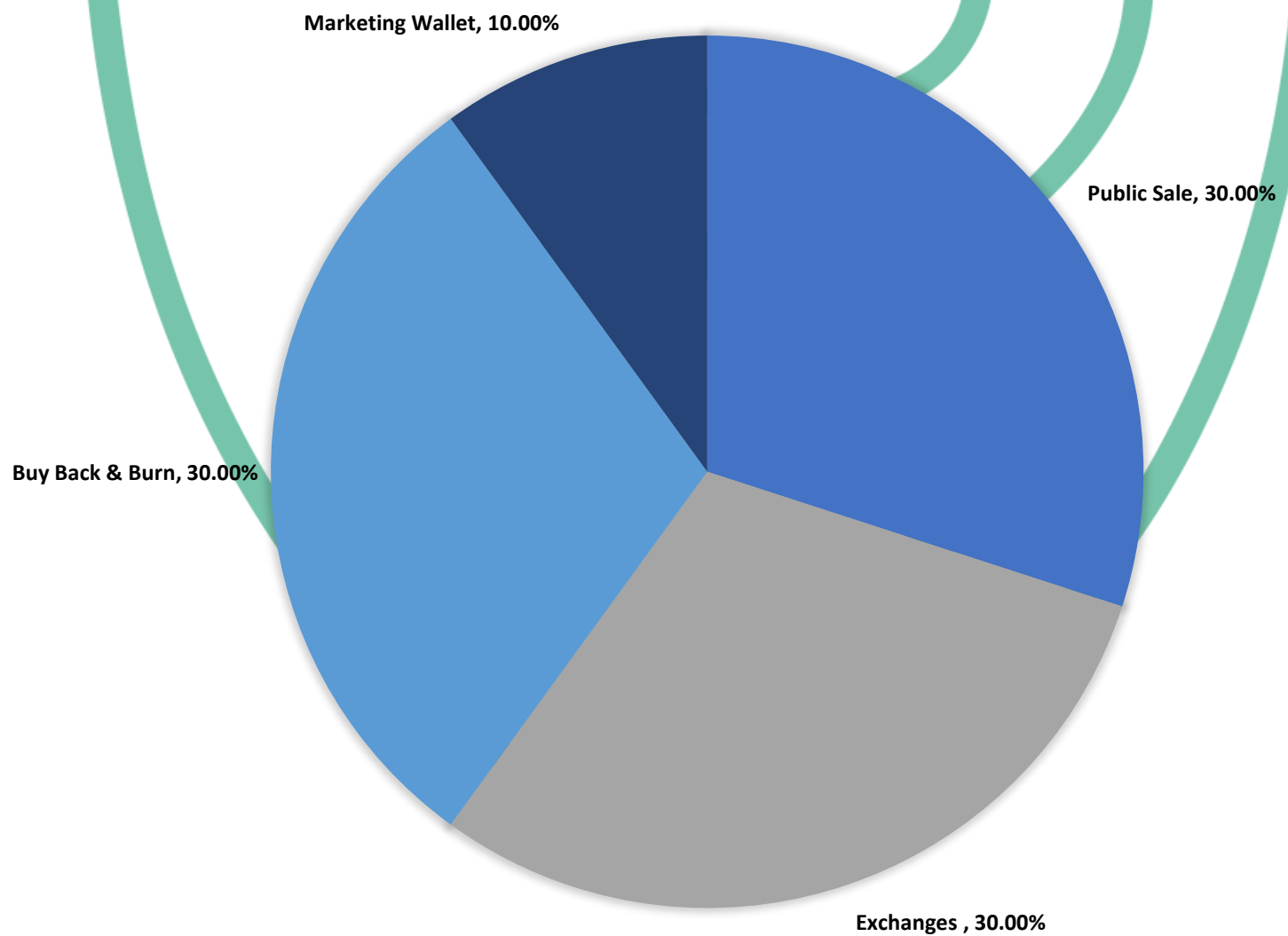
    try distributor.process(distributorGas) {} catch {}

    emit Transfer(sender, recipient, amountReceived);
    return true;
}
```



# Tokenomics:

Public Sale	30 %
Exchanges	30 %
Buy Back & Burn	30 %
Marketing Wallet	10 %

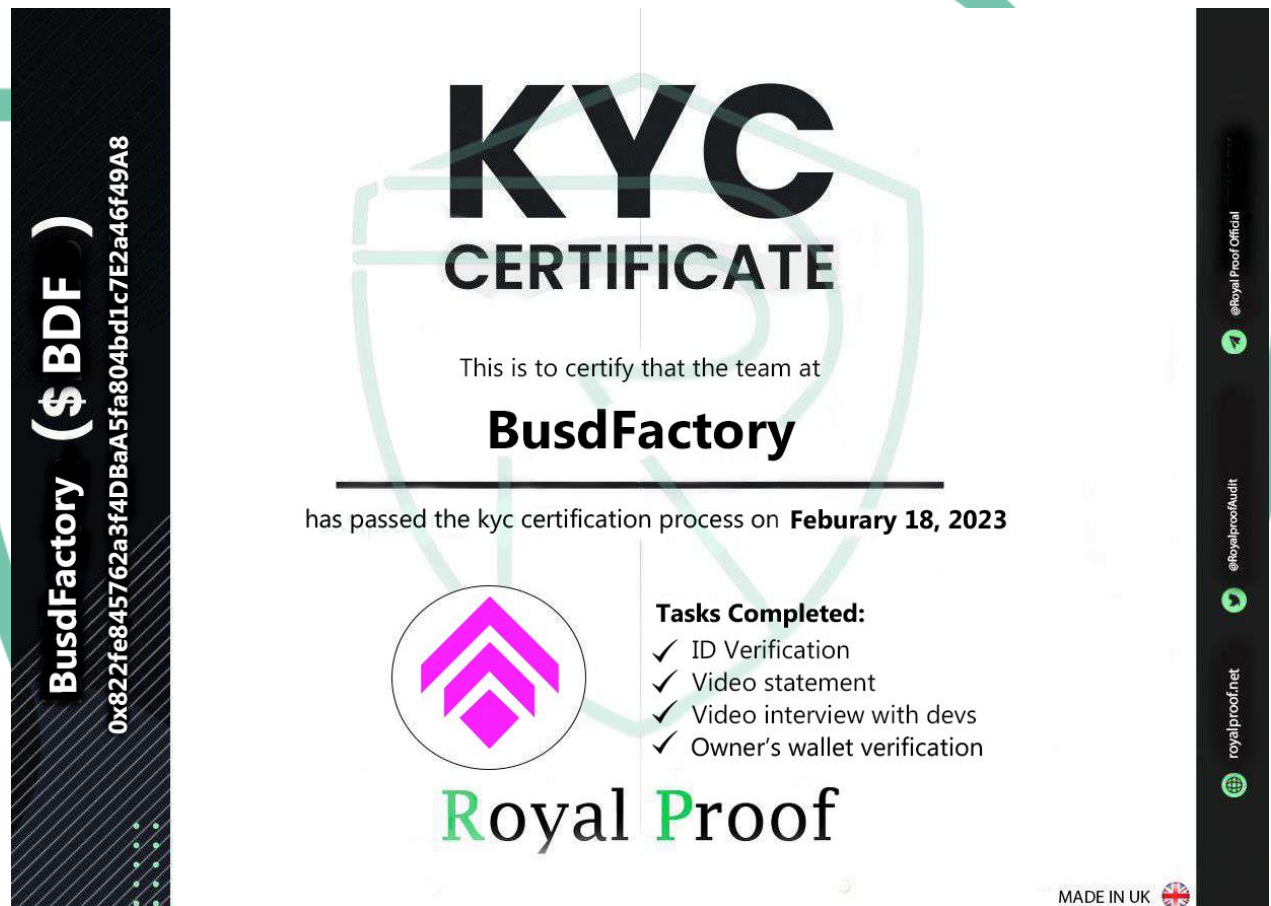




# THE TEAM

The team at BUSDFactory is publicly doxxed on their website and socials with a KYC from RoyalProof.

KYC certificate: [https://github.com/Royal-Proof/KYCs/blob/main/2023/February/BusdFactory\\_Ox822fe845762a3f4DBaA5fa804bd1c7E2a46f49A8.png](https://github.com/Royal-Proof/KYCs/blob/main/2023/February/BusdFactory_Ox822fe845762a3f4DBaA5fa804bd1c7E2a46f49A8.png).





# Website

Website URL	<a href="https://busdfactory.net">Busdfactory.net</a>
Domain Registry	namecheap
Domain Expiration	Jun 18, 2025
Technical SEO Test	Passed
Security Test	Passed/ SSL certificate present

## Design

- Very nice color scheme and overall layout.

## Whitepaper

- Well written, explanatory.
- The information helps new investors understand what the product does right away. No grammar mistakes found..

## Content

## Roadmap

- Yes, goals set without time frames..

## Mobile-friendly?.

- Yes

**[Busdfactory.net](https://busdfactory.net)**



# SOCIAL MEDIA& ONLINE PRESENCE

## ANALYSIS

Project's social media pages are very active with activity from organic users



**Twitter:** @busdfactory

- 500 Followers
- Very active



**Telegram :** @Busd\_Factory

- 1000 members
- Active members
- Active mods





# ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

## RoyalProof

### CRYPTO SECURITY

**Audits | KYCs | dApps  
Contract Development**

## FIND US ONLINE



<https://royalproof.net/>



@RoyalproofAudit



@RoyalProofOfficial



<https://github.com/Royal-Proof>



@RoyalProofAudit



@Royalproof\_Admin



# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency 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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No applications were reviewed for security. No product code has been reviewed.