



Smart Contract Security Audit

Audit details:

Audited project:	DKT Finance
Deployer address:	0xdf6fee057222d2f7933c215c11e5150bd2efc53e
Client contacts:	DKT Finance team
Blockchain:	Binance Smart Chain
Project website:	https://dkt.finance

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 below 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

TechRate was commissioned by DKT Finance to perform an audit of smart contracts:

- <https://bscscan.com/address/0xf539be729670f0712baa210cb1924c8b45710fb6#code>

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

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

Contracts details

Token contract details for 03.05.2021.

Contract name:	DKT Finance
Contract address:	0xf539be729670f0712baa210cb1924c8b45710fb6
Total supply:	100_000_000_000_000_000_000_000_000
Token ticker:	DKT
Decimals:	18
Token holders:	26
Transactions count:	26
Top 100 holders dominance:	100 %
Paused status:	False
Compiler version:	v0.4.24+commit.e67f0147
Contract deployer address:	0xdf6fee057222d2f7933c215c11e5150bd2efc53e
Contract's current owner address:	0x82fbc408e4bf2468bb5353d8c6d291daa55f499c

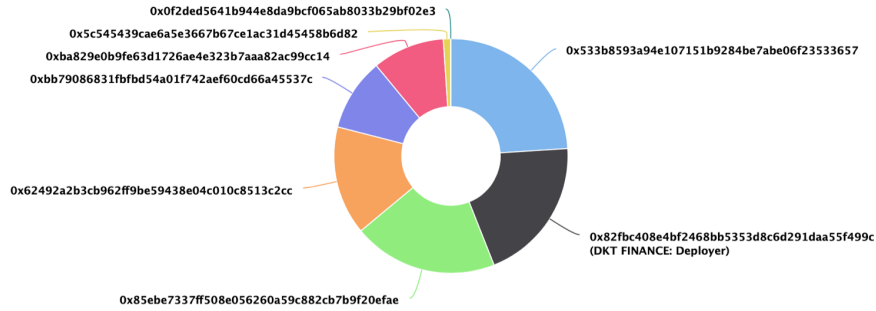
DKT Finance token distribution

The top 100 holders collectively own 100.00% (100,000,000.00 Tokens) of DKT FINANCE

Token Total Supply: 100,000,000.00 Token | Total Token Holders: 26

DKT FINANCE Top 100 Token Holders

Source: BscScan.com



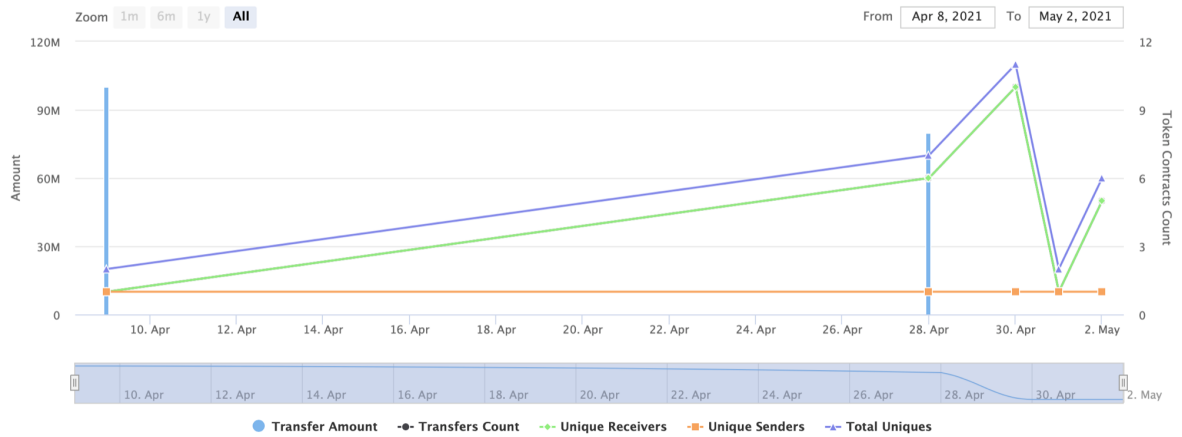
(A total of 100,000,000.00 tokens held by the top 100 accounts from the total supply of 100,000,000.00 token)

DKT Finance contract interaction details

Time Series: Token Contract Overview

Fri 9, Apr 2021 - Sun 2, May 2021

Token Contract 0xf539be729670f0712baa210cb1924c8b45710fb6 (DKT FINANCE)
Source: BscScan.com



DKT Finance top 10 token holders

Rank	Address	Quantity (Token)	Percentage
1	0x533b8593a94e107151b9284be7abe06f23533657	24,000,000	24.0000%
2	DKT FINANCE: Deployer	20,000,000	20.0000%
3	0x85ebe7337ff508e056260a59c882cb7b9f20efae	20,000,000	20.0000%
4	0x62492a2b3cb962ff9be59438e04c010c8513c2cc	15,000,000	15.0000%
5	0xbb79086831fbfd54a01f742aef60cd66a45537c	10,000,000	10.0000%
6	0xba829e0b9fe63d1726ae4e323b7aaa82ac99cc14	9,957,650	9.9577%
7	0x5c545439cae6a5e3667b67ce1ac31d45458b6d82	1,000,000	1.0000%
8	0x0f2ded5641b944e8da9bcf065ab8033b29bf02e3	20,000	0.0200%
9	0x23a80f13775e9a2b67af97536ad0925817940419	13,300	0.0133%
10	0xa20aebc98118ecd562e6493aa152c65f9ed58ce5	5,000	0.0050%

Contract functions details

+ [Lib] SafeMath

- [Int] mul
- [Int] div
- [Int] sub
- [Int] add

+ Ownable

- [Pub] transferOwnership #
 - modifiers: onlyOwner

+ Pausable (Ownable)

- [Pub] pause #
 - modifiers: onlyOwner,whenNotPaused
- [Pub] unpause #
 - modifiers: onlyOwner,whenPaused

+ ERC20Basic

- [Pub] balanceOf
- [Pub] transfer #

+ ERC20 (ERC20Basic)

- [Pub] allowance
- [Pub] transferFrom #
- [Pub] approve #

+ StandardToken (ERC20)

- [Pub] transfer #
- [Pub] balanceOf
- [Pub] transferFrom #
- [Pub] approve #
- [Pub] allowance
- [Pub] increaseApproval #
- [Pub] decreaseApproval #
- [Int] _blackList #

+ PausableToken (StandardToken, Pausable)

- [Pub] transfer #
 - modifiers: whenNotPaused
- [Pub] transferFrom #
 - modifiers: whenNotPaused
- [Pub] approve #
 - modifiers: whenNotPaused
- [Pub] increaseApproval #
 - modifiers: whenNotPaused

- [Pub] decreaseApproval #
 - modifiers: whenNotPaused
- [Pub] blacklistAddress #
 - modifiers: whenNotPaused,onlyOwner

+ CoinToken (PausableToken)

- [Pub] <Constructor> #
- [Pub] burn #
- [Int] _burn #
- [Pub] mint #
 - modifiers: onlyOwner

(\$) = payable function

= non-constant function

Issues Checking Status

№	Issue description.	Checking status
1	Compiler errors.	Passed
2	Race conditions and Reentrancy. Cross-function race conditions.	Passed
3	Possible delays in data delivery.	Passed
4	Oracle calls.	Passed
5	Front running.	Passed
6	Timestamp dependence.	Passed
7	Integer Overflow and Underflow.	Passed
8	DoS with Revert.	Passed
9	DoS with block gas limit.	Passed
10	Methods execution permissions.	Passed
11	Economy model of the contract.	Passed
12	The impact of the exchange rate on the logic.	Passed
13	Private user data leaks.	Passed
14	Malicious Event log.	Passed
15	Scoping and Declarations.	Passed
16	Uninitialized storage pointers.	Passed
17	Arithmetic accuracy.	Passed
18	Design Logic.	Passed
19	Cross-function race conditions.	Passed
20	Safe Open Zeppelin contracts implementation and usage.	Passed
21	Fallback function security.	Passed

Security Issues

High Severity Issues

No high severity issues found.

Medium Severity Issues

No medium severity issues found.

Low Severity Issues

1. Known vulnerabilities of ERC-20 token

Issue:

Lack of transaction handling mechanism issue. [WARNING!](#) This is a very common issue and it already caused millions of dollars losses for lots of token users! More details [here](#).

Recommendation:

Add the following code to the `_transfer(address sender, ...)` function:

```
require( _to != address(this) );
```

Owner privileges

- ☐ Owner can blacklist any account.
- ☐ Owner can pause the transfers of the contract.
- ☐ Owner can mint any amount of tokens.

Conclusion

Smart contracts contain only low severity issues. Audited only the token contract.

Techrate note:

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.