

Smart Contract Security Audit

Audit details:

Audited project: Env Finance

Deployer address 0x3290458d69788302c7dca753896f3c0a10952368

Client contacts: @Zeppe79

Blockchain: Binance Smart Chain

Project website: https://www.env.finance

April, 2021 <u>TechRate</u>

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 Env Finance to perform an audit of smart contracts:

• <u>https://bscscan.com/address/0x4D2b1966F347E48B2d247F684d7677854083</u> E4AB#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

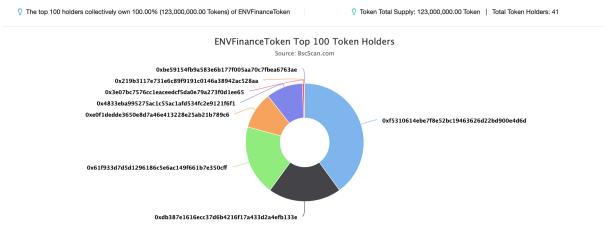
Token contract details for 08.04.2021.

Contract name:	Env Finance
Compiler version:	v0.4.24+commit.e67f0147
Contract address:	0x4D2b1966F347E48B2d247F684d7677854083E4A B
Total supply:	12_300_000_000_000
Token ticker:	ENV
Decimals:	8
Token holders:	41
Transactions count:	44
Top 100 holders dominance:	100 %
Contract deployer address:	0x3290458d69788302c7dca753896f3c0a10952368
Paused status:	False
Minting finished status:	True
Contract owner address:	0xe0f1dedde3650e8d7a46e413228e25ab21b789c6
Deployed at transaction:	0x50909fc61ef05e8c08abb0a489141922c837d6318 424b2046fa8b61448e4a4ea

Env Finance top 5 holders

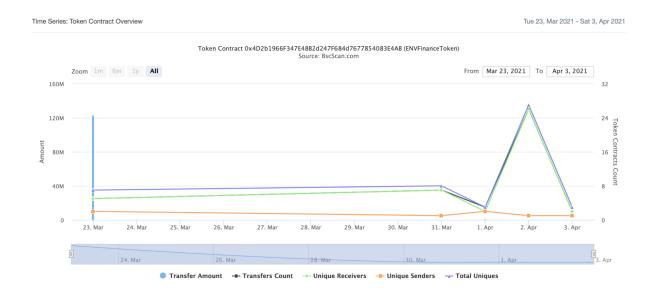
Rank	Address	Quantity	Percentage
1	0xf5310614ebe7f8e52bc19463626d22bd900e4d6d	49,200,000	40.0000%
2	0xdb387e1616ecc37d6b4216f17a433d2a4efb133e	24,600,000	20.0000%
3	0x61f933d7d5d1296186c5e6ac149f661b7e350cff	23,693,000	19.2626%
4	0xe0f1dedde3650e8d7a46e413228e25ab21b789c6	12,404,000	10.0846%
5	0x4833eba995275ac1c55ac1afd534fc2e9121f6f1	12,300,000	10.0000%

Env Finance top 100 token distribution



 $(A\ total\ of\ 123,000,000.00\ tokens\ held\ by\ the\ top\ 100\ accounts\ from\ the\ total\ supply\ of\ 123,000,000.00\ token)$

Env Finance contract interaction details



Contract functions details

Function	Return value	Who can call
name()	string	public
symbol()	string	public
decimals()	uint8	public
totalSupply()	uint256	public
balanceOf(address)	uint256	public
transfer(address, uint256)	bool	public
allowance(address, address)	uint256	public
approve(address, uint256)	bool	public
transferfrom(address, address, uint256)	bool	public
increaseAllowance(address, uint256)	bool	public
decreaseAllowance(address, uint256)	bool	public
renounceOwnership()	void	owner
transferOwnership(address)	void	owner
mint(address, uint256)	bool	owner
finishMinting()	bool	owner
actualBalanceOf(address)	uint256	public
freezingBalanceOf(address)	uint256	public
freezingCount(address)	uint	public
freezeTo(address, uint, uin64)	void	public
getFreezing(address, uint)	uint64, uint	public
releaseOnce()	void	public
releaseAll()	uint	public
burn(uint256)	void	public
pause()	void	public
unpause()	void	public
mintAndFreeze(address, uint, uint64)	bool	owner

Issues Checking Status

Nº	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. Wrong event

Issue:

There is a wrong Transfer event in function mintAndFreeze.

Recommendation:

There should be a Transfer event from zero address to _to address, because this is minting of tokens, so it should be from zero address.

Owner privileges

1. Owner privileges

☐ Owner can pause the transfers of contract tokens.

```
function pause() onlyOwner whenNotPaused public {
  paused = true;
  emit Pause();
}
```

Conclusion

Smart contracts do not contain any high severity issues! However, smart contracts contain owner privileges.

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.