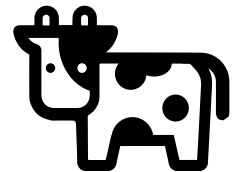




BEEFY.FINANCE YIELD FARMING

SMART CONTRACT SECURITY ANALYSIS



Date of audit: 10.12.2020

Smart Contract Ownership	Team Reward	Total Supply	Minting Function	Migration Function	Funds Lock Period	Contract Pause	Suspicious Functions
No owner	8K BIFI	Constant 80,000	None	None	None	None	Not found

External Smart Contract Audit:

- No external audits of the smart contracts were conducted

Ownership of the Smart Contracts:

- The [BIFI](#) token smart contract has no owner. The key has been burnt
- The [RewardPool](#) smart contract is also decentralized:
 - The key has been burnt
 - The reward distribution address is [RDA](#) (EOA) that can call the **notifyRewardAmount** function for updates of the reward rate

The TokenTimelock [\[1\]](#), [\[2\]](#), [\[3\]](#), [\[4\]](#) smart contracts:

- Each one stores 2K BIFI tokens
- The contracts allow withdrawing BIFI tokens to the beneficiary ([EOA](#) address) after a certain timestamp that is set for the 6th of October 2020 for [\[1\]](#), the 6th of January 2021 for [\[2\]](#), the 6th of July 2021 for [\[3\]](#), the 6th of July 2022 for [\[4\]](#)
- 2,000 x 4 (8,000 in total) BIFI tokens were premixed directly into each TokenTimelock address

Total supply:

- Fixed: 80,000 tokens
- Premining took place: the whole supply was premixed into the numerous project's smart contracts

**● Minting function:**

- Not available anymore
- Infinite minting isn't possible

**Migration function:**

- Not implemented

**Team rewards:**

- 2,000 x 4 (8,000 tokens in total = 10% of total supply) BIFI tokens are stored in four TokenTimelock contracts
- 2,000 BIFI tokens were withdrawn so far, the rest 6,000 can be extracted after the specific date established for each TokenTimelock contract

**Funds lock period:**

- None

**Possibility to pause the Smart Contract:**

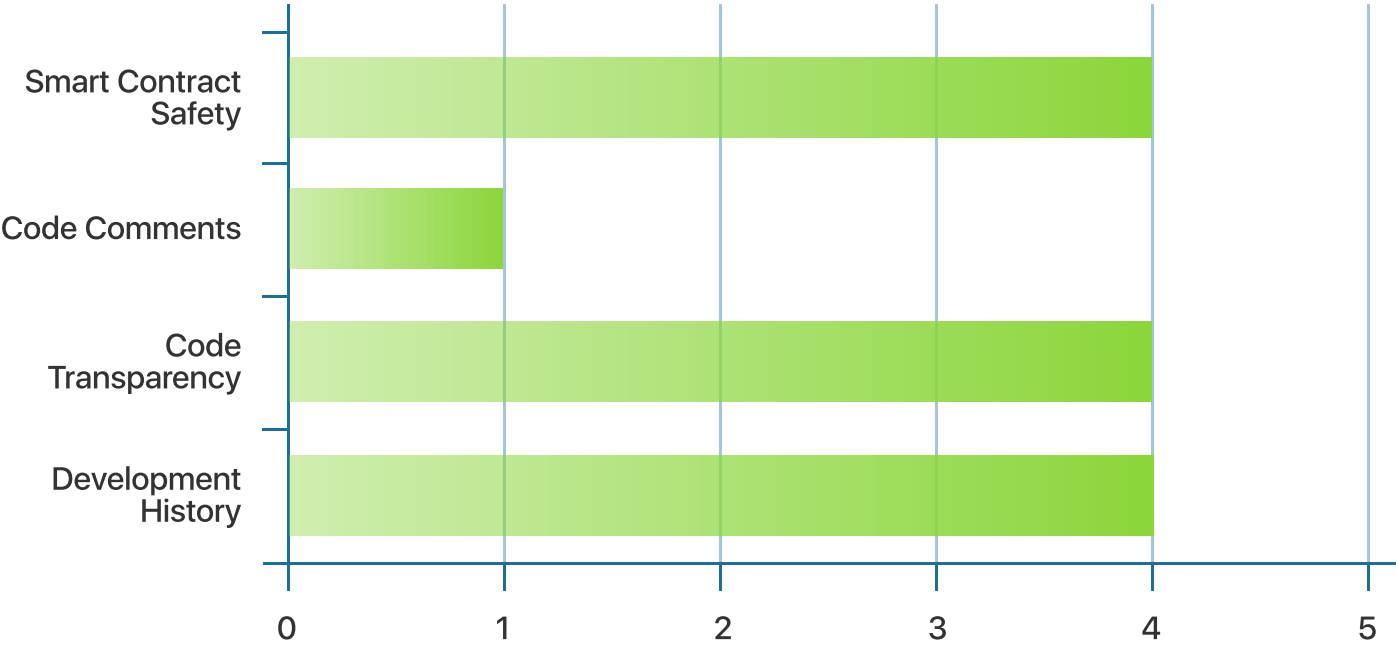
- None

**List of suspicious functions:**

- Not found

**Risk Level****LOW**

Smart Contracts



Conclusion

Beefy.finance is another project designed on the Binance Smart Chain.

The BIFI token smart contract is decentralized due to the fact that the key has been burnt and there is no owner. The BIFI RewardPool contracts are also owner-free. Consequently, no one can take control over these contracts.

Total supply of the BIFI token is fixed and amounts to 80,000. That's why it is impossible to inflate the token supply.

Be aware that the whole supply was premixed to numerous BIFI RewardPool and TokenTimelock contracts.

Another important aspect is that the risk of a quick token dump initiated by the team is low as long as it doesn't own a large share of tokens and can't mint/burn them in order to influence the token price by decreasing/increasing the supply.

It's worth pointing out that the migration is not available.

Furthermore, there is no funds lock period, so the withdrawals are not limited.

Overall, security of the smart contracts of the project is high: no suspicious functions, breaches or doubtful code implementations were discovered during this detailed and extensive analysis. Hence, the risk level can be estimated as low.



- This analysis is not a financial advice
- Conduct your own research before investing
- Track updates of yield farming platforms