

Security Code Review

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Overview

Project Summary

Project Name	Tryon
Description	
Platform	Binance Smart Chain, Solidity
Contracts	https://bscscan.com/address/ 0x050f65BEf6bd15De57462cf75d06BafEB2A59118#code

Executive Summary

Binance Smart Chain BEP20 compatible contract was provided.

We have run extensive static analysis of the codebase as well as standard security assessment utilising industry approved tools.

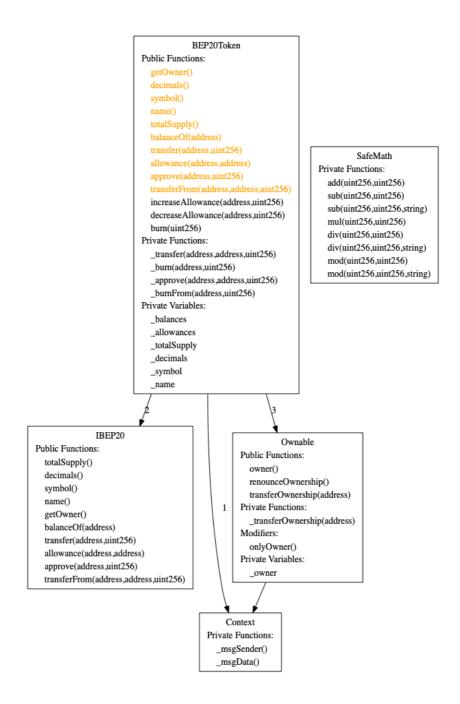
We have not found any critical vulnerabilities arising from a third party involvement.

Some recommendations can be found in the <u>Deployment</u> section.

Disclaimer: The analysis did not include any tokenomics analysis (e.g. APY rates etc).

Architecture & Standards

Please find below the calling architecture of the reviewed contracts.



TRYON Token contract is fully BEP20 compatible.

```
# Check BEP20Token
## Check functions
[✓] totalSupply() is present
        [~] totalSupply() -> () (correct return value)
        [ \sqrt{] totalSupply() is view
[v] balanceOf(address) is present
        [~] balanceOf(address) -> () (correct return value)
        [✓] balanceOf(address) is view
[~] transfer(address,uint256) is present
        [~] transfer(address, uint256) -> () (correct return value)
        [~] Transfer(address,address,uint256) is emitted
[ \sigma] transferFrom(address, address, uint256) is present
        [<] transferFrom(address,address,uint256) -> () (correct return value)
        [~] Transfer(address,address,uint256) is emitted
[~] approve(address, uint256) is present
        [✓] approve(address,uint256) → () (correct return value)
        [ ] Approval(address,address,uint256) is emitted
[✓] allowance(address,address) is present
        [<] allowance(address, address) -> () (correct return value)
        [v] allowance(address,address) is view
[✓] name() is present
        [~] name() -> () (correct return value)
[~] name() is view
[<] symbol() is present</pre>
        [~] symbol() -> () (correct return value)
        [v] symbol() is view
[ \square ] decimals() is present
        [~] decimals() -> () (correct return value)
        [~] decimals() is view
## Check events
[ Transfer(address, address, uint256) is present
        [ ] parameter 0 is indexed
        [~] parameter 1 is indexed
[ ] Approval(address, address, uint256) is present
        [✓] parameter 0 is indexed
        [✓] parameter 1 is indexed
        [✓] BEP20Token has increaseAllowance(address,uint256)
```

Findings

Number of contracts: 5 (including inherited ones)

Use: SafeMath

SafeMath	

See <u>Deployment section</u> for more details.

Static Analysis Findings

High issues: None

Medium issues: None

Low/Informational issues: None

Dynamic Tests

We have run fuzzing/property-based testing of Solidity smarts contracts. It was using sophisticated grammar-based fuzzing campaigns based on a contract ABI to falsify user-defined predicates or Solidity assertions.

There were also dynamic tests run on EVM byte code to detect common vulnerabilities including integer underflows, owner-overwrite-to-Ether-withdrawal, and others.

We have not found any significant risks using dynamic tests tools.

Deployment & Contract Ownership

The contracts are currently deployed on BSC Mainnet:

• https://bscscan.com/address/0x050f65BEf6bd15De57462cf75d06BafEB2A59118#code

Risks

• As the pre-sale has not been done and there is no specific contract for this, it has to be validated that the liquidity is properly added to the based on the team information.

Recommendations

- After the pre-sale the liquidity has to be added to the DEX pool (e.g. PancakeSwap)
- The LP tokens should be burnt or locked in the specialised contract.

Disclaimer

The information appearing in this report is for general purposes only and is not intended to provide any legal security guarantees to any individual or entity. As one review is not enough to provide 100% security against any attacks or bugs, it is advisable to conduct more reviews or/and audits.

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