

# WhatTheFork

## Clean Code Review



## Based Finance



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# Based Finance

( Network => Fantom Opera )

## DESCRIPTION:

The First algorithmic token pegged to \$TOMB on the Fantom Network!

## Contracts Reviewed:-

BASED	:	0x8D7d3409881b51466B483B11Ea1B8A03cdEd89ae
BSHARE	:	0x49C290Ff692149A4E16611c694fdED42C954ab7a
BBOND	:	0xC078285F16665B3F4bCe74AbDCF0f4C877de3E9f
Acropolis	:	0xE5009Dd5912a68B0D7C6F874cD0b4492C9F0e5cD
Oracle	:	0x8AA7e17f96647E08a54880521b2f3e7F99aa11ca
Treasury	:	0x25430E2ACb1255453135b2c64436C6b1Ff8153C5
BShareRewardPool	:	0xAc0fa95058616D7539b6Eecb6418A68e7c18A746
BasedGenesisRewardPool	:	0x9Ec66B9409d4cD8D4a4C90950Ff0fd26bB39ad84

## Disclaimer

This review has been conducted to the best of our knowledge, it strictly checks for disparities bewteen the project's contracts and that of Tomb.

In no way, shape or form is WhatTheFork attempting to promote the project neither is WhatTheFork suggesting finanical success by participating in it.

## Based (0x8D7d3409881b51466B483B11Ea1B8A03cdEd89ae)

Based's contract is a true fork of the original tomb contract, apart from a few functions being removed because of being unneeded by the Brr Finance protocol, these include `excludeAddress`, `includeAddress` along with the following taxation functions:

- `disableAutoCalculateTax`
- `enableAutoCalculateTax`
- `setBurnThreshold`
- `setTaxCollectorAddress`
- `setTaxOffice`
- `setTaxRate`
- `setTaxTiersRate`
- `setTaxTiersTswap`

Operator and owner status:

- Operator:Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5
- Owner :Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5

## Bshare (0x490290Ff692149A4E16611c694fdED42C954ab7a)

Bshare does not contain any major disparities relative to Tshare, only difference being the removal of functions related to the dev/team allocation, including `claimRewards()`, `setDevFund()` etc.

This is due to the fact that BshareRewardPool has a pool dedicated for this purpose.

Operator and owner status:

- Operator:Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5
- Owner :Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5

## BBond (0x078285F16665B3F4bCe74AbDCF0f4C877de3E9f)

BBond does not show any differences relative to the original TBond contract.

Operator and owner status:

- Operator:Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5
- Owner :Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5

## Acropolis (0xE5009Dd5912a68B0D7C6F874cD0b4492C9F0e5cD)

Acropolis(Boardroom) does not contain any disparities from Tomb Finance's Masonry contract.

Operator status:

- Operator:Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5

## Oracle (0x8AA7e17f96647E08a54880521b2f3e7F99aa11ca)

Based Finance's Oracle does not have any disparities from the original Tomb Finance Oracle contract.

Operator and owner status:

- Operator:Deployer - 0x1252e3f03e0caa840ccb35442d817a1686a62586
- Owner\* :Deployer - 0x1252e3f03e0caa840ccb35442d817a1686a62586

\*Epoch periods can be modified to the need of the protocol, although, it can also be used for the contract owner's personal interests.

(This applies to tomb itself and mostly all tomb fork protocols.)

## Treasury(0x25430E2ACb1255453135b2c64436C6b1Ff8153C5)

Based Finance's treasury does not contain any real disparities relative to Tomb Finance's Treasury contract.

Operator status:

- Operator :Deployer - 0x1252E3f03E0caa840ccb35442d817a1686A62586

## BasedGenesisRewardPool(0x9Ec66B9409d4cD8D4a4C90950Ff0fd26bB39ad84)

The genesis pool has a fixed deposit fee of 0.5%.

Operator status:

- \*Operator :Deployer - 0x1252E3f03E0caa840ccb35442d817a1686A62586

## BshareRewardPool(0xAc0fa95058616D7539b6Eecb6418A68e7c18A746)

The contract contains a pool dedicated towards dev allocaton, because of it being absent from the Bshare's contract, there are multiple provisions to ensure that this pool cannot be abused, making it such that the dev allocation pool cannot be modified, and standard pools cannot be modified to have an allocation lower than 12000.

Operator status:

- Operator :Treasury - 0x25430E2ACb1255453135b2c64436C6b1Ff8153C5

# Report Synopsis

Brr Finance's contracts do not show any signs of malic.

The only differences from the original Tomb Finance contracts include minor fine tuning in order to be more suitable to the protcol, few of them include removal of tax functions from BASED and dev allocation being emitted in the BShareRewardPool instead of claiming from the contract

Few safety tips to keep in mind:

- Always ensure that the contract you're interacting with is the same one as mentioned in the contracts page.
- To check what contract your wallet is interacting with directly, you can find the contract address stated on the transaction screen right in the middle when approving tokens and on the top right while calling other functions.