

WhatTheFork

Clean Code Review



MarioFinance



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MarioFinance

(Network => Fantom Opera)

DESCRIPTION:

An algorithmic stablecoin on the Fantom Opera network, pegged to the price of 1 FTM via seigniorage.

Contracts Reviewed:-

Mario	:	0x915B96165A3b78dFE96D35D6DE200d849C9A3314
Luigi	:	0x8A164cDf4305f04800f73A2592Fd0366a553650a
Wario	:	0x1682760E28d0E67207b3264e81EA10dA0144e0D6
Boardroom	:	0x70AbbD53dcFc58A125B8A230c869ffE1d8ECEEcd
Oracle	:	0xcd7b726Aa8184e8B6f0920090534ED62B27cf069
Treasury	:	0x63a89533057Ad6072210bD900Ab43F43F3D3161e
LuigiRewardPool	:	0xE2E00ecD952dacC5B8Ac6D3D1C32E1def6e690cd
MarioGenesisRewardPool	:	0x6922934624D5328CfD4be02FE5005e57411aF625

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.

Mario (0x915B96165A3b78dFE96D35D6DE200d849C9A3314)

Mario's contract includes a sell fee:

- The sell fee can be toggled on and off via the `setTakeFee` function.
 - It can be modified via the `setSellFeePercentage` function, restricted to a maximum of 20%.

Operator and owner status:

Luigi (0x8A164cDf4305f04800f73A2592Fd0366a553650a)

Mario's contract includes a sell fee:

- The sell fee can be toggled on and off via the `setTakeFee` function.
 - It can be modified via the `setSellFeePercentage` function, restricted to a maximum of 20%.

Operator and owner status:

Note:

The protocol is still yet to commence, the Mario token has not yet been renounced, it is highly recommend to participate in the protocol after the ownership has been transferred to a null address.

This document will automatically get updated when the contract is renounced.

Wario (0x1682760E28d0E67207b3264e81EA10dA0144e0D6)

Wario does not have any disparties from the original TBond contract.

Operator and owner status:

- Operator :Treasury - 0x63a89533057ad6072210bd900ab43f43f3d3161e
- Owner :Deployer - 0x417b61945117216080677499BdF0a92A27E456d7

Boardoom (0x70AbbD53dcFc58A125B8A230c869ffE1d8ECEEcD)

The Boardroom does not have any disparties from the original Tomb Finance Masonry contract.

Operator status:

- Operator :Treasury - 0x63a89533057ad6072210bd900ab43f43f3d3161e

Oracle (0xcd7b726Aa8184e8B6f0920090534ED62B27cf069)

Oracle does not have any disparties from the original Tomb Finance Oracle contract.

Operator and owner status:

- Operator :Treasury - 0x63a89533057ad6072210bd900ab43f43f3d3161e
- Owner* :Deployer - 0x417b61945117216080677499BdF0a92A27E456d7

* 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 projects.)

Treasury (0x1021f0E7D8a58e5cAc5ACDB74E69056FC97049a0)

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

Operator status:

Operator :Deployer - 0x417b61945117216080677499BdF0a92A27E456d7

LuigiRewardPool(0xE2E00ecD952dacC5B8Ac6D3D1C32E1def6e690cd)

The pool does not have any disparities from the original TShareRewardPool contract.

Operator status:

Operator* :Deployer - 0x417b61945117216080677499BdF0a92A27E456d7

MarioGenesisRewardPool(0x6922934624D53280fD4be02FE5005e57411aF625)

The genesis pools have a deposit fee, which can be modified and is restricted to be a maximum of 1%.

Operator status:

Operator :Deployer* - 0x417b61945117216080677499BdF0a92A27E456d7

**The deployer can add new pools, modify existing ones to the needs of the protocol, but, ghost pools can be added for the dev letting the dev farm with a large APR, although applies to a large number of tomb fork projects, along with Tomb itself.

Report Synopsis

Mario Finance seems to have safe contracts, with most of the contracts being vanilla to Tomb Finance's.

There's a few taxation modifications present in the Mario Token and Luigi Token, a sell fee of maximum 20% can be applied.

MarioGenesisRewardPool has a maximum deposit fee of 1%, there was an issue with a previous version of the contract, WhatTheFork promptly notified the MarioFinance team about the same, and it was quickly fixed.

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.