



CODE VERIFICATION AUDIT REPORT

NobleSwap DEX

AUG 22 2023



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Overview

This code verification audit report verifies that the NobleSwap DEX contracts have been forked exactly from the official PancakeSwap DEX contracts, with no functional changes.

This report does NOT constitute an audit of the PancakeSwap DEX contracts, and therefore any potential vulnerabilities in the PancakeSwap DEX contracts may also be present in the NobleSwap DEX contracts.

This verification was done by comparing the source code of the deployed NobleSwap DEX contracts with the corresponding source code of the deployed PancakeSwap DEX contracts on the BNB smart chain, and verifying that there are no functional changes. The only allowed changes were to the arguments of some of the contracts that are necessary for the overall system to work correctly, except for one contract which had an unused feature removed from it (more details in page 5).



Overview

Only the NobleBar contract was compared against PancakeSwap's SyrupBar contract on their official Github. It contains a fix from the officially deployed SyrupBar contract on the BNB smart chain, which contains a vulnerability, and is no longer officially supported by PancakeSwap. This carries the risk of including any other potential bugs from the SyrupBar contract on Github which hasn't been officially deployed and widely used.

It has been verified that the contract owner/admin of the relevant contracts has been set to 0x9291b5c6aAC5CCB9feEBA86dF5A31cc8f471F86a, which is an EOA for testnet experiments. The team has confirmed that all private keys are secured and backed up, and a Gnosis Safe multisig address will be used once the contracts are deployed on mainnet.



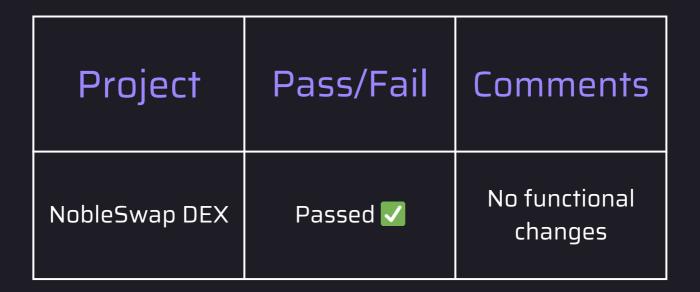
Overview

The SmartChefFactory and SmartChefInitializable contracts had the PancakeProfile system removed. The team's response to this was that they will not be using that system and that it does not affect the core functionality of the contracts, as it is only used to keep track of points earned by staking which is then used elsewhere for PancakeSwap's other products.

Finally, the boost contracts are not deployed and used in MasterChefV2 and NoblePool. The team acknowledged that the boost mechanism will not be used at launch.



Summary of Results





Contract Addresses



0x3FFb082bD33EdDdBdf691B9E66F9aD6b8Dc45227

NobleRouter

0x6BA8bF59251A5b9d2525065bB9391f03EFcbd39C

NobleToken

0xC66edF8eCC0Fc72b10cB749146e9de9837C9359E

NobleBar

<u>0x75cc29F63C1d7b57736CfACF12f436e96B54ae6C</u>

MasterChef

0x779F6a45c33eF6BdE58F4878905C6f647Ec9BbC6

MasterChefV2

0x5F70F388D28bf17E2019001e41f6fdfcC272FA5D

ERC721NFTMarketPlace

0xB6A8f6c2bDF123Fd2801561008fe838Ca60133af

NoblePool

0x592A280cd900C84bB2d444664e979B0688930df1

SmartChefFactory

0x3424d2810AEf8675D5a5D3E6C13A580AFE57361a

wGANG

0x624814Bca9A5d5620E350264f839b93f766B60a2



Miscellaneous Addresses

Dummy MasterChefV2 token 0x255A431F973c8671EE1783cA25aC1582b8b60F2E

Dummy NoblePool token 0xB63b0faF9FfcA69de407331400bD745D627ACC4E

Treasury Address
0x118fB74e803EB08b731c7996393E7B04600F8271



Disclaimer

The information in this report objectively compares the smart contracts being verified against other smart contracts that are widely used. It does not ensure the correctness or authenticity of any software or dApp that interacts with or claims to interact with any smart contract.

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