

Smart Contract Code and Web Front-End

Review, Testing and Audit

Project: **EMPOWER NFT**

Launch Date: OCTOBER 21, 2022 Audit Date: OCTOBER 20, 2022



Confidentiality

This audit report may contain confidential information about blockchain systems and the intellectual property of the Developer/s and its Owner/s, as well as information about potential vulnerabilities and methods of their exploitation. The report can be disclosed publicly after prior consent by another Party. Any subsequent publication of this report shall be without mandatory consent.

Document

Project Name	Empower NFT
Launch Date	October 21, 2022
Audit Date	October 20, 2022
Project Type	ROI Investment
Network	BSC
Website	https://empowernft.net/
Smart Contracts	https://bscscan.com/address/0x98e8a3420A857C712aC33990C0B07352217 965D0#code
Twitter	N/a
Telegram	https://t.me/empowernft
Approved By	Encrypto John



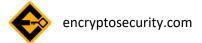






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Encrypto Findings

Front End

- Basic web UI design.
- All buttons and inputs are fully functional and clickable.
- Mobile responsive.
- Summary:

By checking and manually testing of all buttons functionality and other features of Empower NFT's website, The EnCrypto Team for Front End Web Design found no malicious and blank contents from it.

Smart contract

Contract Creator

https://bscscan.com/address/0xa583d93a96a129c83c95ab6f95adc0a32a04b4cd

Compiler Version: v0.8.13+commit.abaa5c0e

Contract Source Code: SolidityAudit: Passed

Summary:

As per issues for the auditing review, the owner/developer was using a NFT token as proof of investment on the system, owner privilege problems found . By final checking and manually code reading of the Empower NFT's Smart Contracts, the EnCrypto Team found 4 malicious contents; retire function which transfers contract balance to the owner's account, transfer token from address to owner's address, pause and unpausing contract, and lastly on blacklisting and unblacklisting of investors.





• Severity Rate

• Severity Definitions

Critical	High	Medium	Low
Vulnerabilities and issues that are very high prone to be exploited that may result to serious asset loss and at worst case technical and personal data manipulations.	Vulnerabilities and issues that are difficult to be handled, it allows the smart contract to execute by-passes and public accessibility to crucial functions.	Vulnerabilities and issues that needs minimal customization and modification of codes in the smart contract that needs to be fixed as soon as possible not to cause any asset loss.	Vulnerabilities and issues that may not affect directly to the smart contract but can cause high severity, low functionality and overall execution lags on the smart contract itself.

• Soccer busd Severity Overview

Critical	High	Medium	Low
- Critical Warning: Can transfer funds and token from contract and addresses to the owner (retireBUSDContractBalance) (withdrawToken) - Pause and unPause Contract - Blacklisting and unBlacklisting of investors/users	- Investors/users cannot withdraw its primary capital investment when it was already deposited. Returns/Profit will be on dividends and referrals NFT Token was used in the system as proof of investment 15% Referral Rewards will be directly transferred to dev3wallet if not used.	No medium issues found	- Smart Contract Name differ from Project Name.





• Owner Ability Script

• Blacklist and Unblacklist investor's/user's address

(blacklistAddress / unBlacklistAddress)

• Pause and Unpause Contract

(pause / unpause)

• Transfer Approval for all

(setApprovalForAll)

- Renounce the Smart Contract.
- Transfer the smart contract to the new owner.
- Critical Functions:
- retireBUSDContractBalance
- withdrawToken







• User Ability Script

- Deposit (buyNft)
- Claim all Rewards at once
- Claim Rewards (Daily Based)
- safeTransferFrom (Basic)
- safeTransferFrom (By Data)
- transferFrom
- Approve Transfer (approve)





Project Details

Empower NFT Description

- Empower NFT is a BUSD Reward Pool DApp that owns a NFT Token to circulate and mint into its own Reward Pool System.
- Empower NFT is a BUSD Reward Pool with a minimum investment deposit/plan of 100 BUSD and maximum investment plan of 50,000 BUSD that gives a fixed 0.7% Daily Yield for a fixed 286 days of duration plan.
 - Empower NFT has 9 investment plans that can be use.

Developers Fee

- Deposit Fee (10%)

Deposit (BUSD) / Buy NFT

- Empower NFT has 9 plans that can be bought or used
- Minimum Deposit/NFT cost 100 BUSD
- Maximum Deposit/NFT cost 50,000 BUSD

Plans Available:

ENFT100 - 100 BUSD

ENFT250 - 200 BUSD

ENFT500 - 500 BUSD

ENFT1000 - 1,000 BUSD

ENFT2500 - 2,500 BUSD

ENFT5000 - 5,000 BUSD

ENFT10000 - 10,000 BUSD

ENFT25000 - 25,000 BUSD

ENFT50000 - 50,000 BUSD

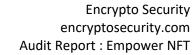
NFT Feature

- NFT is automatically minted when new deposit/order was created.
- NFT was use as proof of investment
- Can be transferred as it was approved by the NFT owner and operator.

Withdrawal (Claim)

- No fees deducted on claiming of rewards
- ENFT100 plan can only claim weekly
- All Plan can claim everyday
- Claiming of rewards stops at the end of duration date (286 days) total of 200% ROI



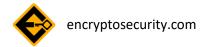




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Referral System

- Empower NFT offers 15% of passive commission on every referral made
 - Level 1 (10%)
 - Level 2 (5%)
 - Not required







SWC Registry

Smart Contract Weakness Classification

The following table contains an overview of the SWC registry. Each row consists of an SWC identifier (ID), weakness title.

SWC - 100	Function Default Visibility	Passed
SWC - 101	Integer Overflow and Underflow	Passed
SWC – 102	Outdated Compiler Version	Passed
SWC - 103	Floating Pragma	Passed
SWC - 104	Unchecked Call Return Value	Passed
SWC - 105	Unprotected Ether Withdrawal	Passed
SWC – 106	Unprotected SELFDESTRUCT Instruction	Passed
SWC – 107	Reentrancy	Passed
SWC - 108	State Variable Default Visibility	Passed
SWC – 109	Uninitialized Storage Pointer	Passed
SWC - 110	Assert Violation	Passed
SWC – 111	Use of Deprecated Solidity Functions	Passed
SWC – 112	Delegate call to Untrusted Callee	Passed
SWC – 113	DoS with Failed Call	Passed
SWC – 114	Transaction Order Dependence	Passed
SWC – 115	Authorization through tx.origin	Passed
SWC – 116	Block values as a proxy for time	Passed
SWC – 117	Signature Malleability	Passed
SWC - 118	Incorrect Constructor Name	Passed
SWC – 119	Shadowing State Variables	Passed
SWC - 120	Weak Sources of Randomness from Chain Attributes	Passed

Disclaimer

EnCrypto Team was only able to review the front-end/web design of the project and audit the Smart Contract itself. Team for the front-end/web design review was only able to check it based on its functionality and web aesthetics. On the side of Smart Contract, audits are analyzed, reviewed, and checked based on quality assurance and accordance to the best industrial standard practices of smart contract creation.

Audits does not guarantee any profit and loss but as an Auditors we will do our best to deliver secured projects. We the EnCrypto Team suggests and encourages all investors and users to "DYOR" Do-Your-Own-Research to avoid any scams and capital loss. Any loss and at worst bankruptcy are not our Team's fault.

