TRYNOS AUDITS

Ethereum

Nami Inu

0xe624a29cb327b03350820ef98584d56083eaf392

CONTACT ME ON TELEGRAM

Trynos

TrynosTokenTerminal

DISCLAIMER

Project Description

Standard RFI fork with some modifications. There seems to be commented out old code from a previous fork that modified Safemoon, but nothing drastically different or prominently active. As all RFI forks, there is a tax that reflects tokens back to each current holder.

Developer's Submitted Description

Nami Inu is a deflationary token on the Ethereum Blockchain that aims to offer audit services, a DEX, Generative NFT's, and a farming/staking utility for all anime tokens within the ERC-20 ecosystem. Overall it aims to be a hub that offers it's services to existing and upcoming Anime tokens in order to create a safer and more stable environment in the Anime Token community.

Project Information

Name
Nami Inu

Launch Type
Fair Launch,
Uniswap Platform

Telegram
https://t.me/NamiInu

Website
https://www.namiinu.com/

Taxes
5.33% Marketing/Development
2.66% Auto-Liquidity
2% Reflection

Token Distribution
10% Private Sale
90% Uniswap Liquidity

Launch Date
Uniswap:
9/30/2021

Security Quick Report

Contract Analyzed [Solidity v. 0.6.12]

https://etherscan.io/address/0xe624a29cb327b03350820ef98584d56083eaf392#code

HIGH – 1 Risk

Medium – 2 Risks

Low – 4 Risks

Minimal – 1 Risk

Risk assessment is color-coded for convenience.
The risks are as follows, and their respective colors:

HIGH – SEVERE risk. Could either honeypot, rug, somehow scam the user, or prevent the contract from functioning as intended.
Medium – Could allow the owner to stop trading while being able to trade himself, make the user lose money, or something similar.
Low – Risks that could allow the owner to somehow have an edge, allow users he choose to have an edge, or the ability to manipulate the contract, prices, or something similar.
Minimal - Risks that are not potentially investment-threatening, but needs be mentioned anyway.

Security and Code

No Minimums on Maximum Tx [HIGH Risk]

The owner is able to set the maximum transaction amount to any value, including 0. As the owner can also change these limits freely, this could potentially allow him to turn off trading for everyone save for himself.

Blacklist [Medium Risk]

The owner is able to blacklist any user from trading, without limits. While this is flagged as a MEDIUM risk, if there is trust in the developer this can be ignored. Furthermore, there are two separate blacklists. This could potentially cause confusion. As a note, however, blacklists are somewhat standard on the Ethereum chain.

Owner Receives Auto-Liquidity [Medium Risk]

The owner receives all new liquidity from the auto-liquidity tax. He can then do anything with this liquidity, including unpairing it.

Improper Tax Code Usage [Low Risk]

Both the internal router and LP pair can be changed at any time. If changed to improper addresses, this could potentially break the SwapAndLiquify codeblock. In a situation where this is called during a transfer, this could prevent sells. However, since this would prevent sells for everyone including the owner, this is not rated as a high potential risk.

Security and Code

LP Pair Not Excluded [Low Risk]

At time of audit the LP pair is not excluded from rewards. This means every single transaction, a % of the reflection rewards meant for the users instead gets sent to the LP Pair. Since the LP pair tends to have the most tokens at the start of the token, this means it gets most of the reflection reward.

Because of this, every single transaction drops the price of the token as the Pair gains tokens from reflection.

Limitless Exclusions [Low Risk]

The owner is able to set any address to be excluded from fees or rewards at any time.

Improper Tax Code Usage [Low Risk]

Due to the taxes being stored in two separate variables, if a normal trade occurs, during when taxes are set to 0, and a fee excluded user trades afterwards, the taxes will revert back to their previous values. In a situation where taxes are set to 0 and ownership is renounced, this will forever revert taxes to their previous values.

Security and Code

Poor Optimization [Minimal Risk]

As this is basically a safemoon fork, the contract is not well optimized. There are four different transfer functions which get called based on exclusions, and two of them are redundant. There is code that takes up extra memory when the math can simply be done internally. The Deliver() function holds no purpose or use. The solidity version is not up to date and is missing critical bugfixes and changes in code that come with version 0.8, including built-in SafeMath. Taxes are claculated in their own separate functions, and getRValues() and getTValues() are poorly written and have overlapping assignments.

Most of these results cause the gas cost to rise needlessly, and the user bears the burden of paying for these gas costs.

Needless Initialization [No Risk]

There are many variables that are initialized, added to, and modified, that have absolutely no bearing on any active functions or methods. The assumption is they are leftovers from an originally forked contract, and the active parts have been removed while the initializations remain. All they serve to do is increase the deployment cost of the contract.

Closing Notes

Nothing in this contract is overtly malicious or purposely coded to put users at risk. Most of the risks are average ones that can be found in most contracts, as well as bad optimization and rampant forking. However, they must be listed nonetheless due to the nature of the audit. Please do your own research and ensure you have trust in the project and its team before investing.

Always make sure to always inspect all values and variables.

This includes, but is not limited to:

- Ownership

- Proper Ownership Renouncement (if any)

- Taxes

- Transaction/Wallet Limits

- Token Distributions

- Timelocks

- Liqudity Locks

- Any other owner-adjustable settings or variables.

Final Disclaimer

I am solely a smart contract writer/auditor. I do not promote, own, or lead projects unless specifically and explicitly stated. I am not a good trader, I know nothing of Technical Analysis, and for the most part I do not trade. Despite my best efforts, I can never guarantee full safety, though I do my best to check for and announce all risks. There are many tricks and variations that unscrupulous people can enact even with safe contracts. Please always do your research.

I am only human, and I make mistakes as well.

Nothing written in this report is financial advice. Please make sure you are interacting with the correct socials below when contacting me, to avoid scamming impersonators.

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