NOWP

White Paper

nowput.finance

A NowPut research proposal for a revolution in UTXO based DeFi

Written by: David Owen Morris
Designed & edited by: Paul William Mills & Zlata Amaranth
Developed by: Wang Xiao Yu & Zhu BaJie 007

A flexible system for the tagging and locking of UTXO for the purposes of DeFi and CeFi platform transparency:

The name for 'nowput' had risen from a discussion about using RTM timelock transactions for some form of Defi or Cefi with binary options or hedging coming to mind. It has however grown to become so much more.

Introduction:

NowPut.Finance started as a potential use case discussion utilizing Raptoreum's innovative time-locked transactions. It however quickly became clear that this on its own would not be sufficient to support an entire project or demonstrate the broader concept of UTXO tagging for various DeFi functions and marketplace populating.

Despite starting as a platform for RTM's time-locked transactions, the project has now expanded significantly in scale and applicability.

It is unfortunate that a lot of discussion in the crypto space is driven by fairly toxic maximalism and equally inane tribalism. To counter that and the application of the transaction model, NowPut.Finance will run its own blockchain which utilizes the latest generation of production tested Bitcoin code.

At NOWP we have forked PeerCoin then replaced the Sha256 POW with the proven Ghostrider algorithm from the Raptoreum project. We have also made modifications to the QT UI allowing easy Op_return tagging of UTXO.

This was decided for reasons including:

- Preemption of potential issues raised by maximalist/tribalist detractors from the project with regards to the technical aspects of the process.

- The platform has a native coin facilitating both proof of concept as well as viable funding source for one or more set of markets.

- Allowing egalitarian participation via CPU based POW mining as well as US-legal (non validator) staking capabilities.
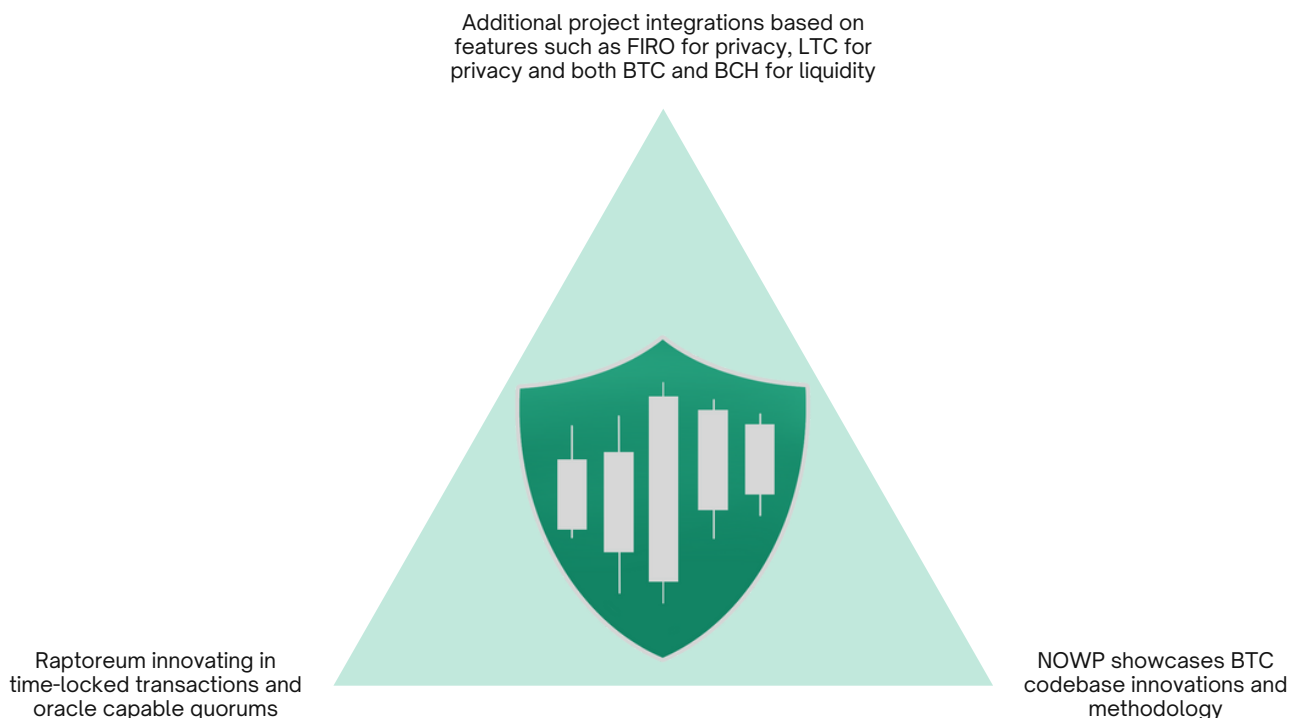
**See APPENDIX #1 for a full chain specifications

The Nowput.finance platform further expands on these capabilities:

by adding the Raptoreum blockchain with its time-locked transactions allowing participation in binary options on the platform without the need for any additional UTXO-tagging.

The *overall approach* of the platform can be summed up in the following figure:

Additional project integrations based on features such as FIRO for privacy, LTC for privacy and both BTC and BCH for liquidity

Raptoreum innovating in time-locked transactions and oracle capable quorums

NOWP showcases BTC codebase innovations and methodology

NOWP aims to provide a robust structure enabling easy transition to operating on a smart contract in the future as opposed to the current centralized but fully transparent model.

Platform *Development Plan*:

1. A functioning binary options offering with the "house" as the main counterparty and integrating a multitude of coins.
2. A fully on-chain swap market between currencies integrated in the binary options platform.
3. The further development of tagging and tag parsing to offer additional types of services.

Reintroducing *accountability* into the space:

Rugpulls, fractional reserves, printing coins, tokens and all kinds of other nastiness have become part and parcel of many centralized exchanges operating in the cryptocurrency space.

EVM decentralized exchanges have problems with badly applied and utilized code leaving many attack vectors for anyone interested in doing so.

Nowput.finance aims to mitigate and remove many of the risks associated with the above operational models by operating on UTXO chains that have come a long way in problem solving potential 51% attacks which is the only real vector for altering such transactions.

The methodology for this is extremely simple for the binary options side of things:
Transactions are tagged "BTC-C-86400" in OP_RETURN for a 24 hour position on the price of BTC going up. With the countdown starting from the transaction entering the platform's respective mem-pool and payments being made hourly post expiry.

Or in the case of RTM the transactions are sent to a designated address with the correct time lock implemented. With the count down, payment and expiry working as in the example described above.

This completely eliminates the need for an account on the platform, eliminates the question of reserves as well as makes operations completely transparent.

This is absolutely not suited for high frequency trading due to the possible mem pool entry delays, it is however a very viable option for risk management and hedging.

There are easily developable and deployable on-chain services made possible leveraging simple OP_RETURN tagging and its extension beyond the initial simple POC we have planned.

The NOWP chain *tackles issues* such as:

Driving Mass Adoption:

One of the largest issues that Crypto as a whole faces is mass adoption. NOWP works towards this in two ways:

1. Functioning as a fully permission-less payment system
2. Allowing high global connectivity through local online staking wallets, making payments a smooth and seamless process.

NOWP *Integration:*

Integration into the Nowput.Finance platform directly from the wallet expands the range of options available directly out-of-the-box to users well beyond the scope of most purely payment focused cryptocurrencies.

FPGA And ASIC *Resistance:*

NOWP is dedicated to keeping ASICs and FPGAs off the network to increase decentralization and keep it mineable by everyone without the need for expensive specialized hardware.
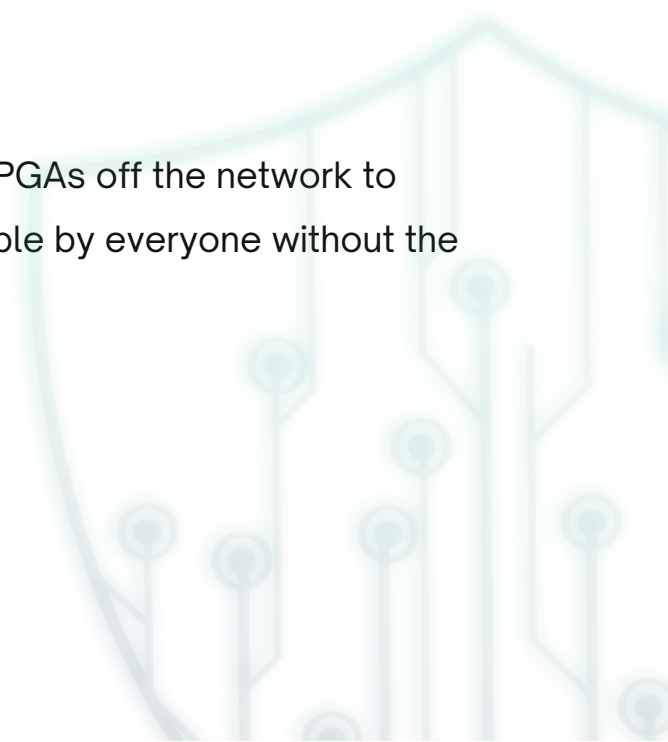
RAPTOREUM

The *Algorithm:*

As part of our effort to make this happen we have imported the proven Raptoreum proof of work algorithm - 'GhostRider'. GhostRider uses the x16r randomizer combined with CNv1-8 resulting in an algorithm that discourages ASIC and FPGA by making it much too expensive for minimal gain in an attack. Raptoreum is also developing the ability to adjust the algorithm on the fly. This allows the live change of some algorithmic parameters that would remove ASICS and FPGA if they are found to be on the network without requiring the slow, costly and insecure process of a full fork.

Hyperinflation:

Staking, while a powerful tool, can create a hyperinflation environment forcing a coin to crash at the markets and causing irrevocable damage to a project. NOWP is making use of the original staking implementation in its 2023 form ensuring tried and tested technology, furthermore the switching between proof of work (POW) and proof of stake (POS) blocks helps balance out the risk factors associated with both implementations working solely on their own.

NOWP
Governance

Nowput.Finance is implementing a voting governance token for control of both the chain premine as well as the strategic aspects of platform expansion and setting of desired fee levels, margins on operation etc. The token will initially be an ERC20 placeholder issued on the Polygon blockchain swapping to governance token on the Raptoreum blockchain as they present significantly more secure options for such functions as vesting and multisig wallets.

Planned Allocation Model:

Initial Team Allocation	10,000,000
Team Allocation Vesting 2 Years	10,000,000
Initial Advisors	6,000,000
Advisors Allocation Vesting 2 Years	9,000,000
Trading competitions running throughout	1,000,000
Community Pre Alpha Private Testing	1,000,000
Community Alpha Private Testing	1,000,000
Post Alpha Break It Hackathon & Audit	3,000,000
Post Alpha Seed Sale	10,000,000
Private Beta Participation	2,000,000
Private Sale	20.000.000
Beta Testing Participation	3,000,000
Post Beta Break It Hackathon & Audit	3,000,000
Public Sale	5,000,000
Launch Airdrop	2,000,000
Project Reserve	14,000,000
Total supply	100,000,000

NOWP
Gov Allocation

Team
20%

Advisors
15%

Operational Reserve
14%

Community
51%
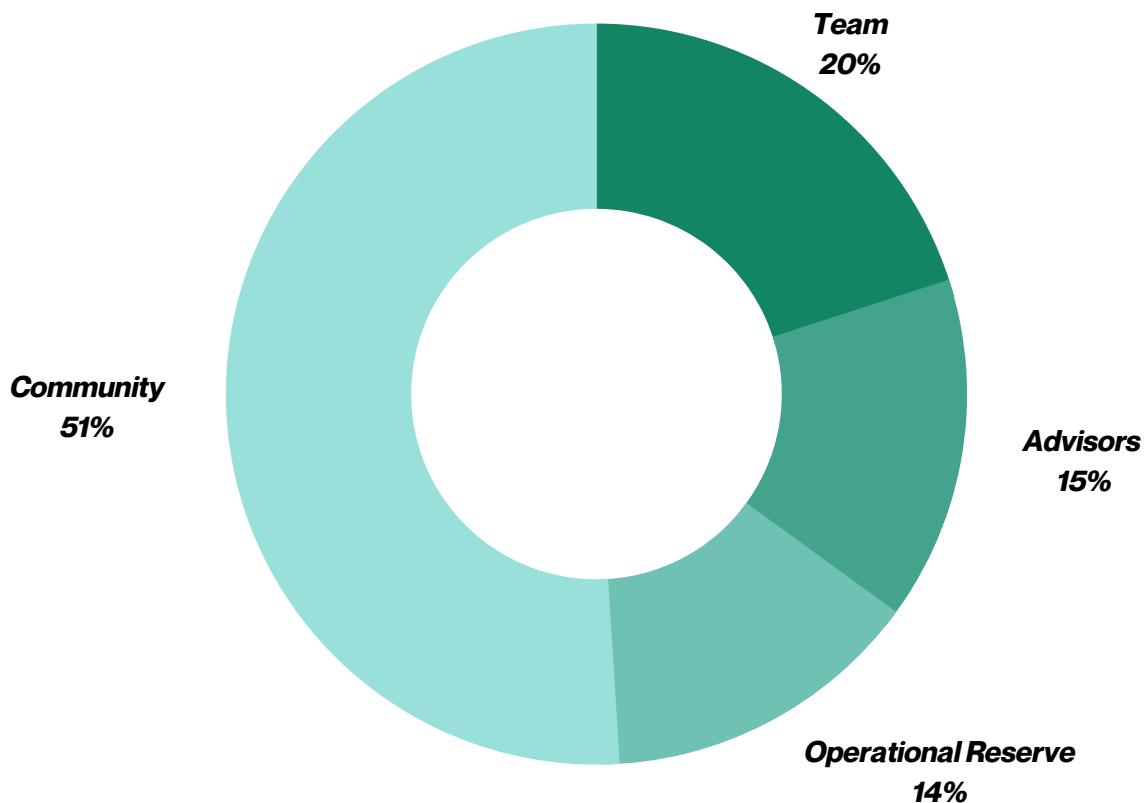
Basic governance:

- Any proposal able to receive an endorsement from 10% or more of token holders is eligible for a quarterly vote.
- Votes are won or lost by a simple majority.
- The team and advisors combined may choose to veto proposals that allocate excessive amounts of operational profit towards Governance token buy backs which will commence from year 2.

Otherwise the team and advisors shall strive to on a best effort basis implement any approved proposals.

Mission and Vision for the governance:

To develop and facilitate an organic community driven approach towards developing DeFi and transparent CeFi products for the UTXO based chains at the behest of and driven by their respective communities!

NOWP
Appendix #1

NOWP Chain chain spec:

Algorithm: *Ghostrider*

51% Protection: *Dyn CP and 50% POS*

Max Supply: *210.000.000*

Emission Schedule: *188 NOWP Per block biannual halving entering to be decided upon tail emissions targeting 2% annual inflation post that.*

Block Time: *2 minutes averaging*

Staking age: *Eligible after two weeks max weight after 90 days.*

Max emission(years): *10-11 tail emissions post that*

Consensus: *Hybrid PoW / PoS*

Developer/Community Fee: *6% premine with the following allocations:*

Platform operational wallet: *2.000.000 NOWP*

***Platform cold wallet:** *3.000.000 NOWP*

Marketing operational Wallet: *2.000.000 NOWP*

***Marketing cold wallet:** *3.000.000 NOWP*

***Bug bounties and reserves:** *2.000.000 NOWP*

Team operational wallet: *600.000 NOWP*

All governed by multisig from holders of the governance tokens mentioned in this paper.

nowput.finance

NOWP
keeping it green

Contact : Angel@nowput.finance

Written by: David Owen Morris
Designed & edited by: Paul William Mills & Zlata Amaranth
Developed by: Wang Xiao Yu & Zhu BaJie 007