

NutBerry(Jelly) - Offroading Ethereum Transactions

I'm thrilled to announce the upcoming release of a permissionless layer 2 solution with support for smart contracts, aka the NutBerry Project.

The design is similar to what we generally call rollups

but it intentionally has the same transaction encoding

and signing scheme as Ethereum transactions to be one-to-one compatible with the existing ecosystem.

The most anticipated feature is the possibility for on-chain EVM verification, that makes it possible to run smart contracts on a permissionless / trustless layer 2 solution.

Though, the runtime has some restrictions like not be able to call other contracts.

I call that a state-minimized EVM

or LEVM

- Lean Ethereum Virtual Machine.

So, unlike PoA, PoS or other forms of custodial

{ child, side }-chains, the NutBerry offroading engine

as I call it

is not another blockchain. Data availability is fully achieved on the root-chain and the contract is able to verify and replay

all transactions either through directly finalising a blob of transactions on-chain (if you are in a hurry)

or via an interactive computation verification game to offload the computation but

enforce correctness on-chain for a given transaction blob.

Roadmap

- 1st Milestone

Supports only the ERC20 token standard.

(Already does that via a fixed smart contract)

- 2nd Milestone

Going to support the ERC721 standard.

- 3rd Milestone

Support stateless

smart contracts.

- 4th Milestone

Stateful smart contracts, aka smart contracts with support for storage.

All resources will be published on <https://github.com/NutBerry>

once the first milestone is complete.

Ask me anything