

Node

IPFS Node with peers

ETH-Like Chain Stack

Immediately connect to all the peers defined
and to the bootstrap peers to get new ones

Blocks contains results, to be compatible with
ETH queries

Get the updated index of all the files

Wait forever

Receives instructions

Control and Federation

Verify signature

Validators voting

Incorrect

Correct

Every node choose 5 random peers
The most voted are the current validators
They must be different from the previous
validator pool

Check data coherency

Validation Pooling Vote

Propose as validator

Is not validator

Is validator

Wait for approval

Judge pooling with validators

Not approved

Approved

Update and execute

Coherency vote

If the results are all coherent, return the
judgement

If one or more results are incoherent, majority
wins and a penalty is issued

Reputation decrease

Fine issue

Permaban

Final vote

On chain update

