



Proof of Human

Remco Bloemen

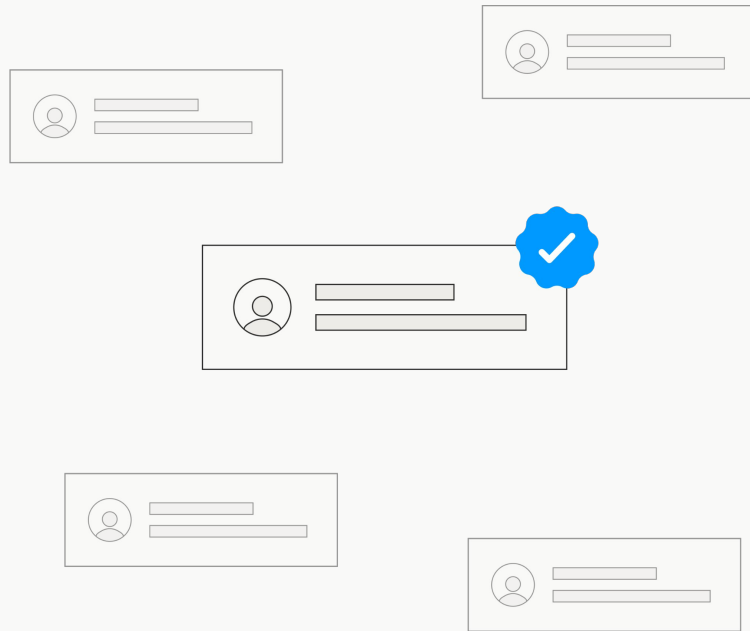


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Proof of Personhood



A way to limit account registration to few (ideally one) per human.



Dear [context],

[message]

Signed by,
An anonymous human that has
not signed a message in
[context] before.

Dear Emerging Project,

Please airdrop to 0xaf5753765.

--- Anon human

A way of signing messages as a *unique anonymous human*.

at World, always combined with Zero-Knowledge Proofs

Dear DAO,

Please allocate 23 tokens to a
quadratic vote for Approve .

--- Anon human

Dear Farcaster,

Please register
@eatscode as my alt.

--- Same anon human as
before.

Dear Farcaster,

Please register @recmo as
belonging to a real human.

--- Anon human



What is it not?

It is not a CAPTCHA.

No human-in-the-loop required,
humans can still automate their accounts.

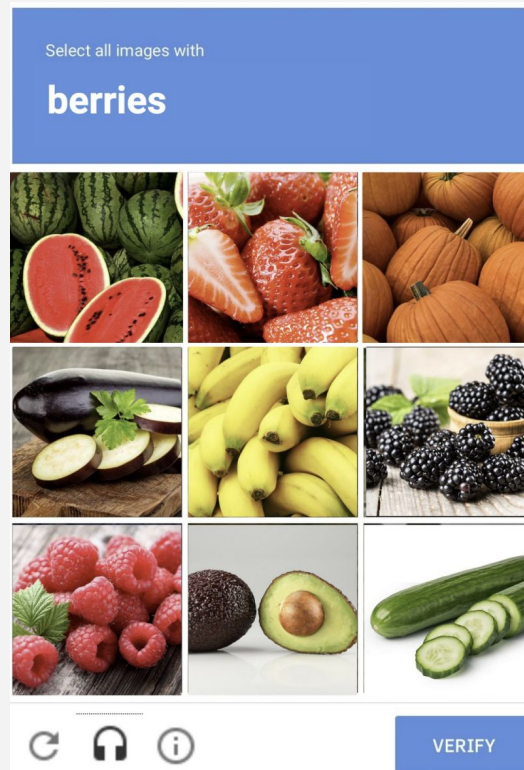


Fig. Separating humans from BOTanists.



Why do we want Proof of Personhood?

AI will make it impossible to distinguish on behavior.

AI fueled economic disruption requires human oriented financial solutions.

Individual as a programmable primitive.

Strong decentralization.

Financial primitives with a concept of individual (insurance, loans, pensions, UBI, etc.)

World Chain human prioritized blockspace.

Sybil resistance.

Limit spam bots.



Why would we not want Proof of Personhood?

"Unique human" just a proxy for a more precise requirement.

i.e. don't ban bots, but think about what would be the requirements to make the fully qualified participants.

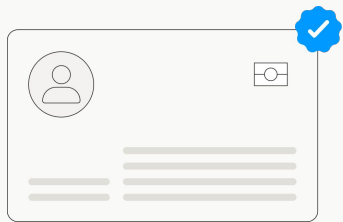
Internet should be neutral on man vs dog vs machine.

No limit on number of Alts.

Maximal anonymity means no distinct individuals.

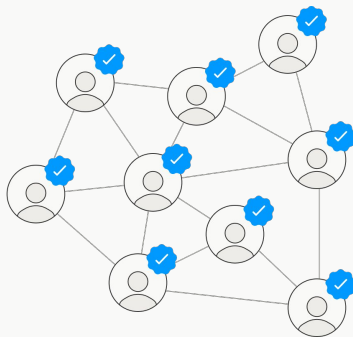
Oracle problem

Humans are a physical phenomena



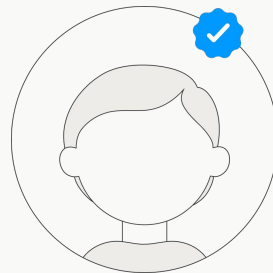
Authority based

Passports
Credit cards
Phone number
Online accounts



Graph based

Social vouching
Video based vouching
Simultaneous captcha solving

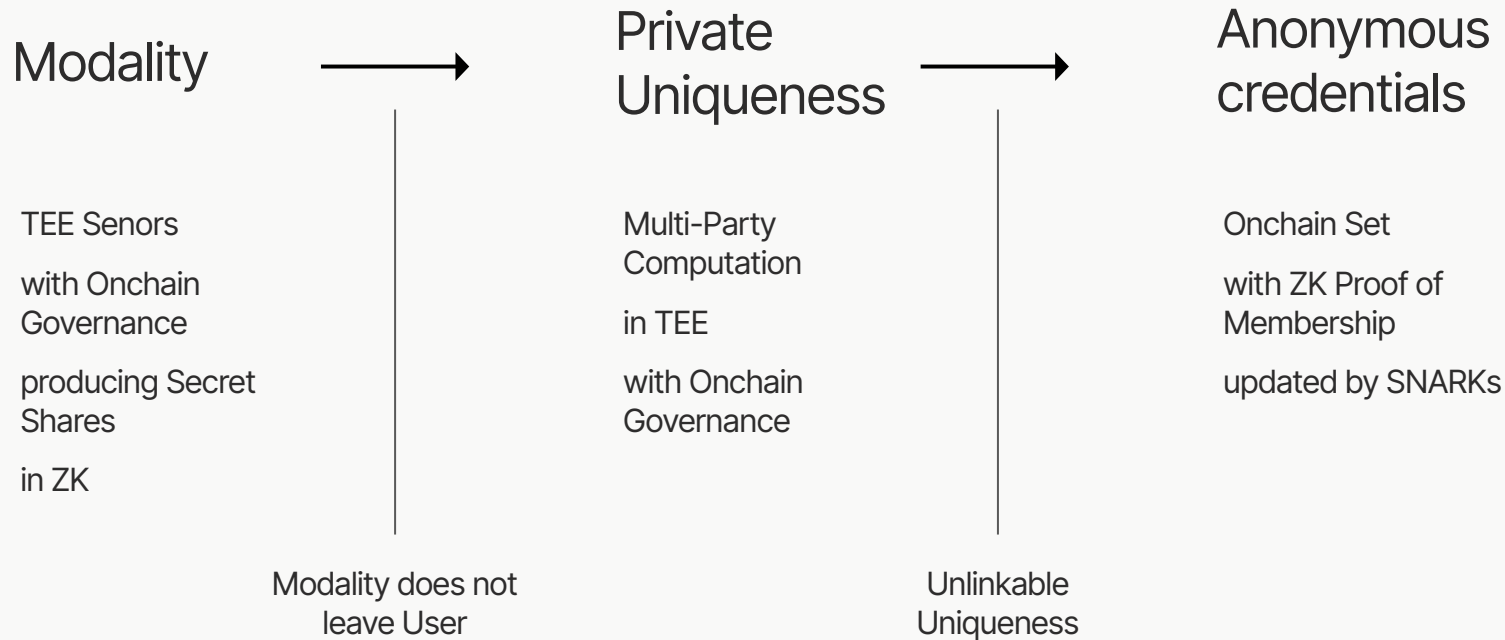


Biometric based

Face
Fingerprint
Iris



High level strategy





World ID offers Biometric,
Passport and Device based PoP Tiers

Modality is kept private to the User

Uniqueness is anonymous by default



World Foundation