world

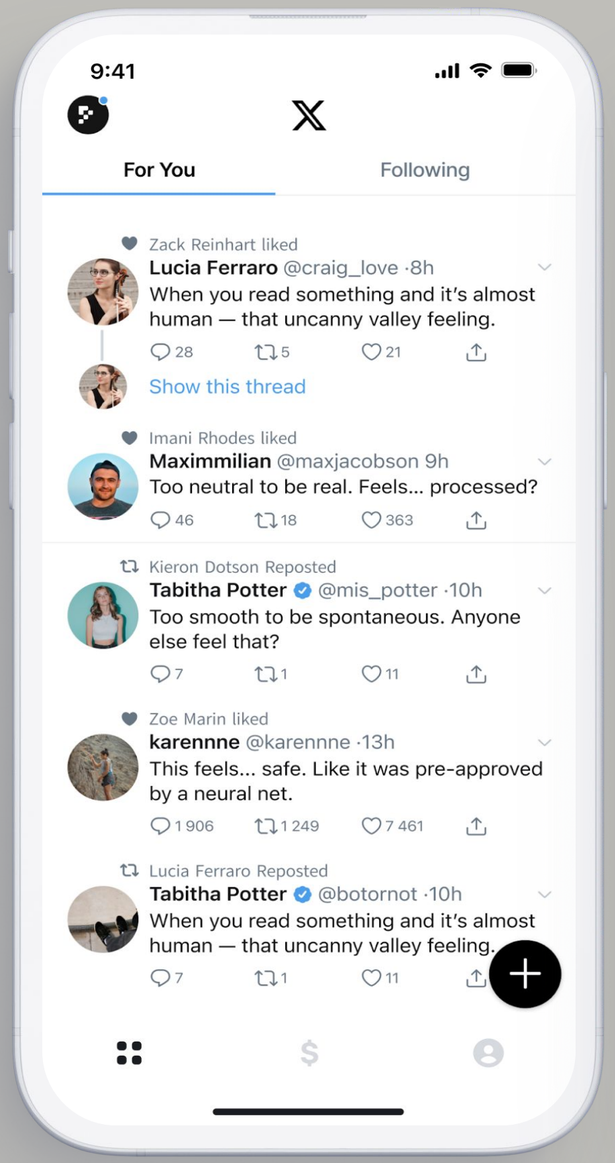
2025

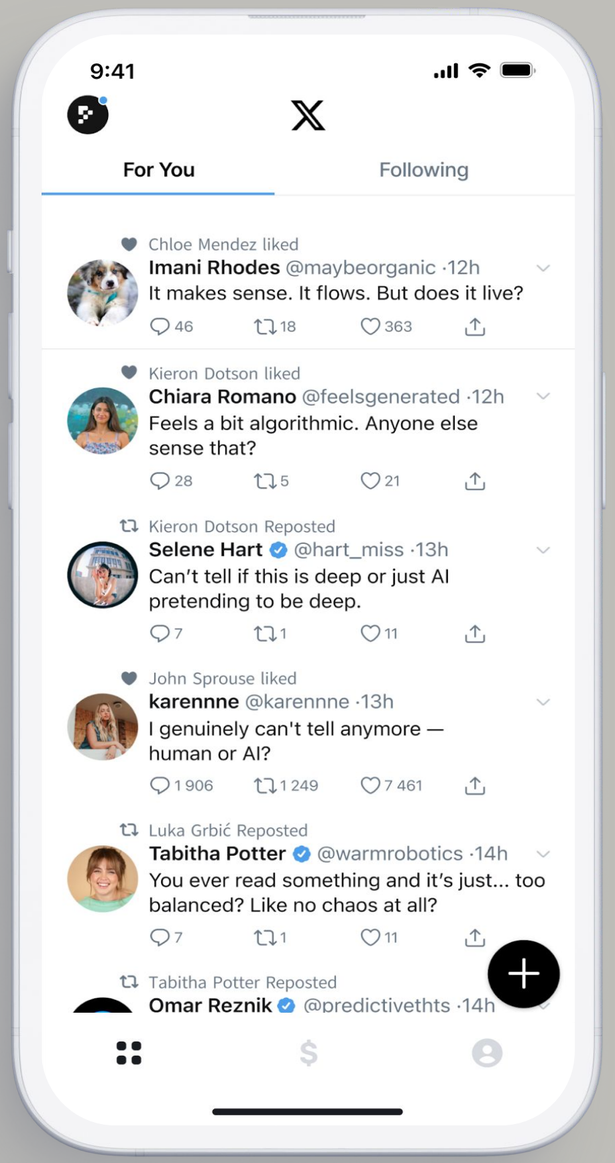
Under the Hood: Architecture of World

World Summit AI USA | June 18, 2025

world

2025





Human or AI?

Human or AI?

INSIDE SPACEX
31 HOURS AT MISSION CONTROL
NOT JUST A PERK
REMOTE WORK WON'T DISAPPEAR
PAGE 8 | BUSINESS
The New York Times
INTERNATIONAL EDITION
Bolsonaro and his mob hit bottom
EXTREMELY SMALL WORLD
EVERYTHING WORTH SEEING, BUT IN MINIATURE
BACK PAGE | TRAVEL

Human or AI?

90% of the content on the internet will be AI generated by 2026.

A computer would deserve to be called intelligent if it could deceive a human into believing that it was human.

- Alan Turing, 1950

world

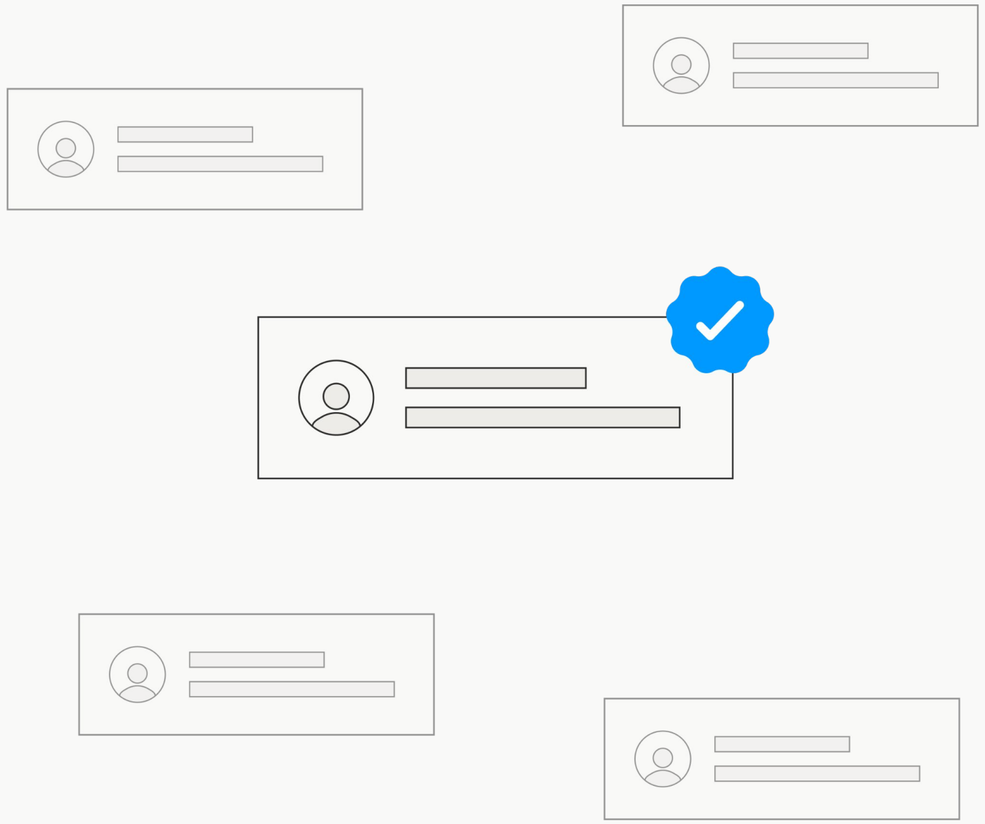
Tools for Humanity

Founded by Sam Altman & Alex Blania in 2019 and launched in July 2023

To build an anonymous, open digital identity and financial infrastructure that is a public good

Provides proof of human at global scale to distinguish humans from AI

Proof of Human



Anonymously show that an online user is human, alive and unique.

This is critical to build online communities resistant to fraud and disinformation.

Existing approaches create unacceptable compromises among user protection, privacy, practicality, and scalability.

It is an unsolved technical problem.

world

2025

World Network

13M+

Unique humans

28M+

Users

160+

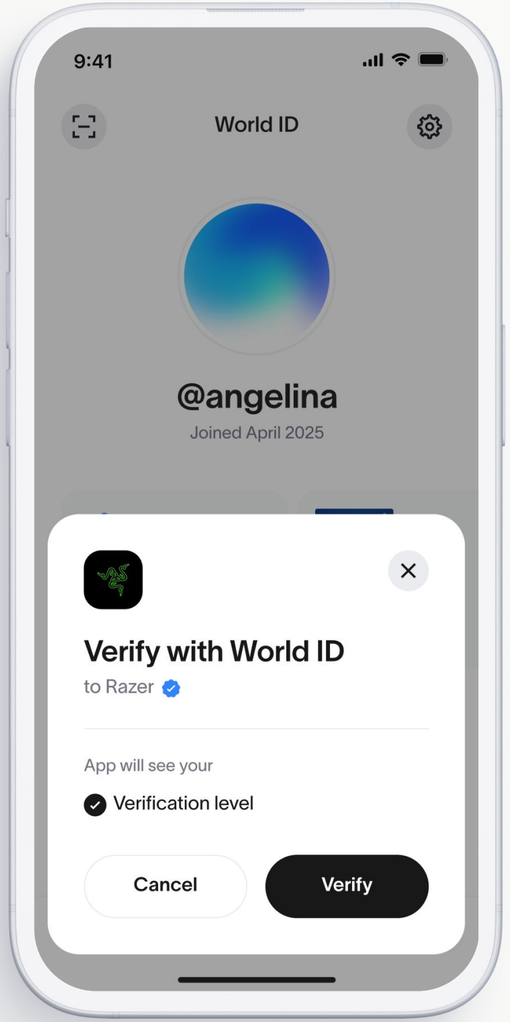
Countries

Problem with bots?

world

2025

Verify Your Razer ID with World



By verifying Razer ID with World's technology we can confirm that not only are you playing with a real human, but the right human.

JUNE 23, 2025
TIME
ARE YOU HUMAN?
SAM ALTMAN WANTS TO FIND OUT
by BILLY PERRIGO
time.com

The Orb

Beyond state-of-the-art imaging

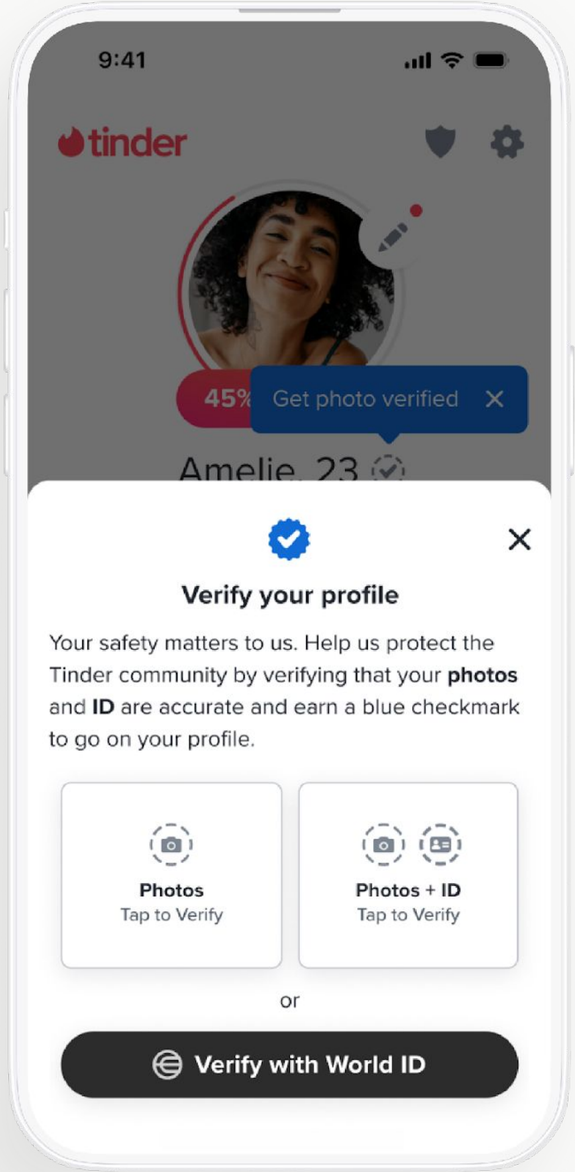
- Multispectral fraud sensors & iris imaging
- Order of magnitude higher resolution imaging
- The only way to achieve 1:N error rates sufficient for >1bn people scale

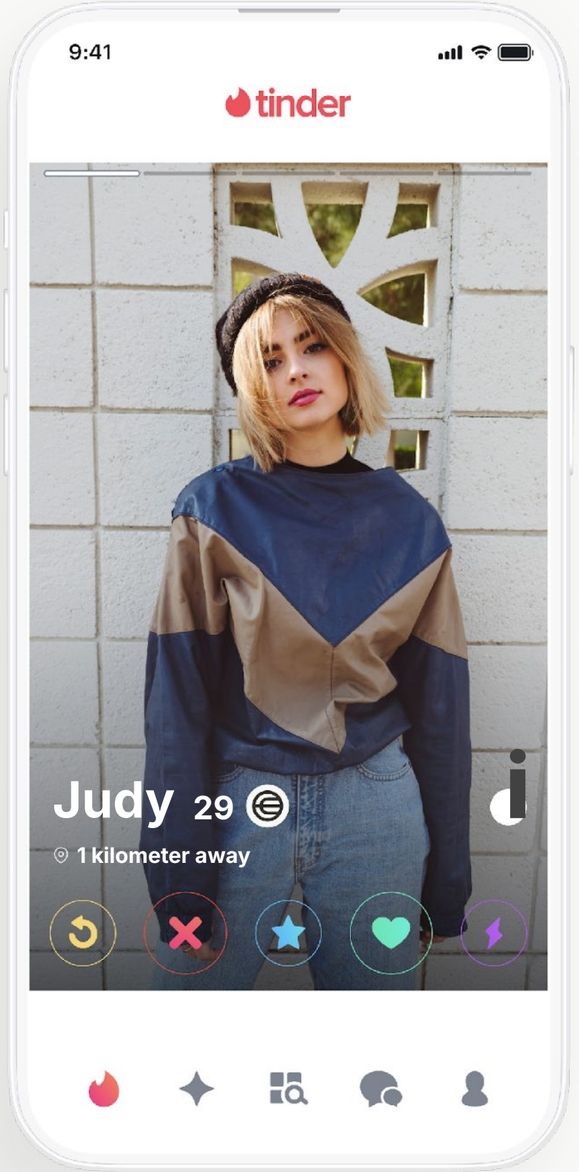
Security on all levels

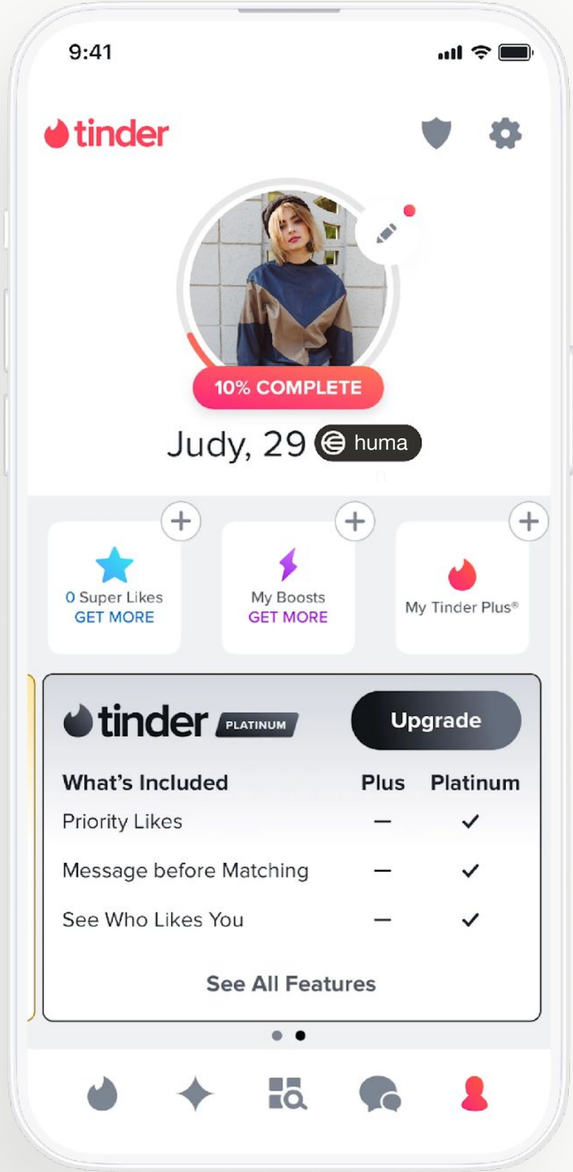
- Video streams analyzed by anti-spoofing AI in real-time
- Hardened operating system
- Intrusion detection

The Orb can determine if you're alive and human.

Are we done now?


9:41
tinder
45%
Get photo verified
Amelie, 23
Verify your profile
Your safety matters to us. Help us protect the Tinder community by verifying that your photos and ID are accurate and earn a blue checkmark to go on your profile.
Photos
Tap to Verify
Photos + ID
Tap to Verify
or
Verify with World ID


9:41
tinder
Judy 29
1 kilometer away


9:41
tinder
10% COMPLETE
Judy, 29
huma
0 Super Likes
GET MORE
My Boosts
GET MORE
My Tinder Plus®
tinder PLATINUM
Upgrade
What's Included
Plus
Platinum
Priority Likes
Message before Matching
See Who Likes You
See All Features

101 MONTGOMERY STREET, SUITE 100 (THE PRESIDIO), SAN FRANCISCO, CA 94129

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Icon

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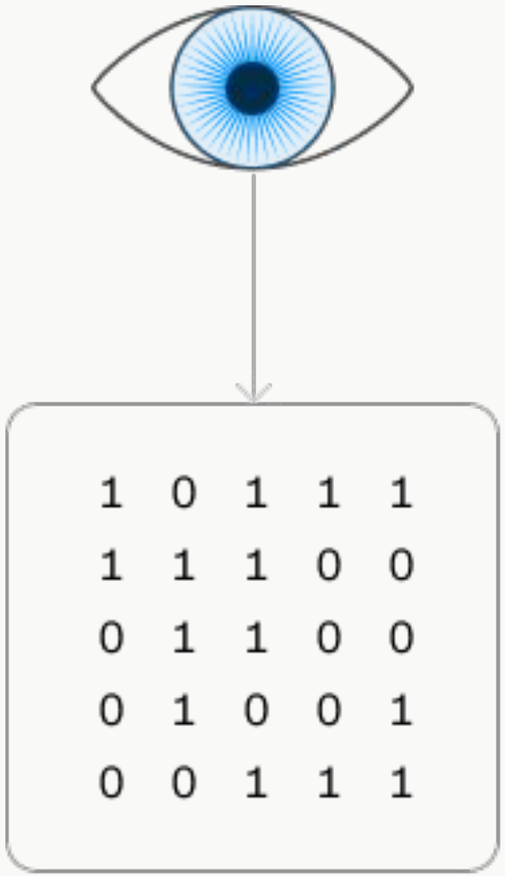
Booked 86 times today

Find next available

At the moment, there's no online availability within 2.5 hours of your request. Do you have another time in mind?

Sold Out!

Global Uniqueness Prevents Sybil Attacks



Binary representation of iris is tuned for one purpose: uniqueness for 1B+

The iris is more unique than fingerprints, face, etc. and stable over a person’s lifetime

This iris does not reveal personal details like age, gender, race.

Anonymous Multi-Party Computation

Only you have your images.

Open-source, quantum secure, anonymizes and protects the iris codes of Orb-verified World ID holders.

TL;DR: It’s a one time pad, destroyed after encryption.

Operated exclusively by independent trusted organizations.

World Foundation and Tools for Humanity are not parties in AMPC.

Independent AMPC nodes

Berkeley
Center for Responsible, Decentralized Intelligence

Universität Zürich UZH
Blockchain Center

FAU
Friedrich-Alexander-Universität Erlangen-Nürnberg

NETHERMIND

Personal Custody and Verifiable Proof

Verifiable personal custody credential

- Information generated at the Orb during the verification process is stored ***only*** on the user's device.
- User has full control over the data and flow
- User selectively discloses more information

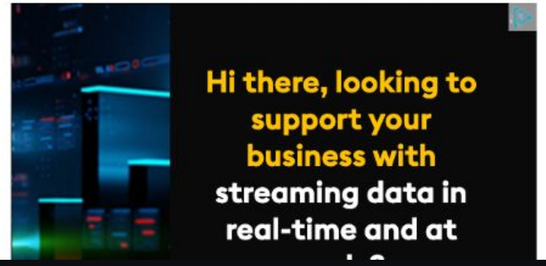
Verifiable proof of enrollment

- Anonymous enrollment of credential on the blockchain
- User controls ability to disclose the enrollment

BIZ & TECH

How scammers are using AI to steal college financial aid

By **SHARON LURYE**, AP Education Writer
Updated June 10, 2025 9:38 a.m.



Thomson Reuters Settlement Status Report - Feb 2025

Status Report

Background. The Court granted preliminary approval of a class action settlement in this case on October 11, 2024. ECF No. 259. The Court set a deadline of December 6, 2024 for putative class members to submit a claim, opt out, or object. The Court later extended the deadline for class members to submit a claim to December 27, 2024, per the parties' request to allow more time to stimulate claims. ECF No. 268.

Status of claims, opt outs, and objections. As of December 16, the settlement

FRAUD DETECTION

19. On December 13, 2024, after discussing with counsel, Angeion implemented a requirement for all payment methods to verify their selection via SMS (short message service) (i.e. text message via one-time password), rather than offering the option of email verification *or* SMS. This change was put into place to help verify that the claims being filed are being submitted by a human, rather than a bot (i.e. fraudulent). As described above, this particular Settlement has been targeted by a large volume of bad actors posing as legitimate filers, thus this change was recommended to help prevent these fraudulent claimants from submitting claims illegitimately.

FOLEY
FOLEY & LARDNER LLP

Sectors Practice Areas Peop

CONSUMER CLASS DEFENSE COUNSEL

A Trap for the Unwary: Fraud Rising in Claims-Made Class Action Settlements

July 16, 2024

When settling consumer product class actions, many parties agree to resolve their claims using what is known as a "claims-made" settlement model. When a claims-made settlement is reached, class members must submit a "claim" to receive a portion of the monetary settlement. A claims-made process is justified in many circumstances, including, for example: when the identity of the class members or contact information for them is not readily available; when the amount a

What's more, there is evidence that some are making use of Artificial Intelligence (AI) and online bots to file claim after claim when news of a new settlement hits the internet. For example, a claims-made settlement approved in California federal court saw nearly 5,500 claims originating from the same IP address, with nearly 1,000 claims submitted from the address of one single-family home. *See Opperman v. Kong Techs, Inc.*, No. 3:13-cv-00453-JST (N.D. Cal. Nov. 30, 2017) (Dkt. 911 at p. 4).

Zero-Knowledge Proofs (ZKPs)

The users identity (World ID, iris code, or credential) is not revealed to any third-party application.
The use of a specific third-party application is not revealed to the World ID infrastructure.

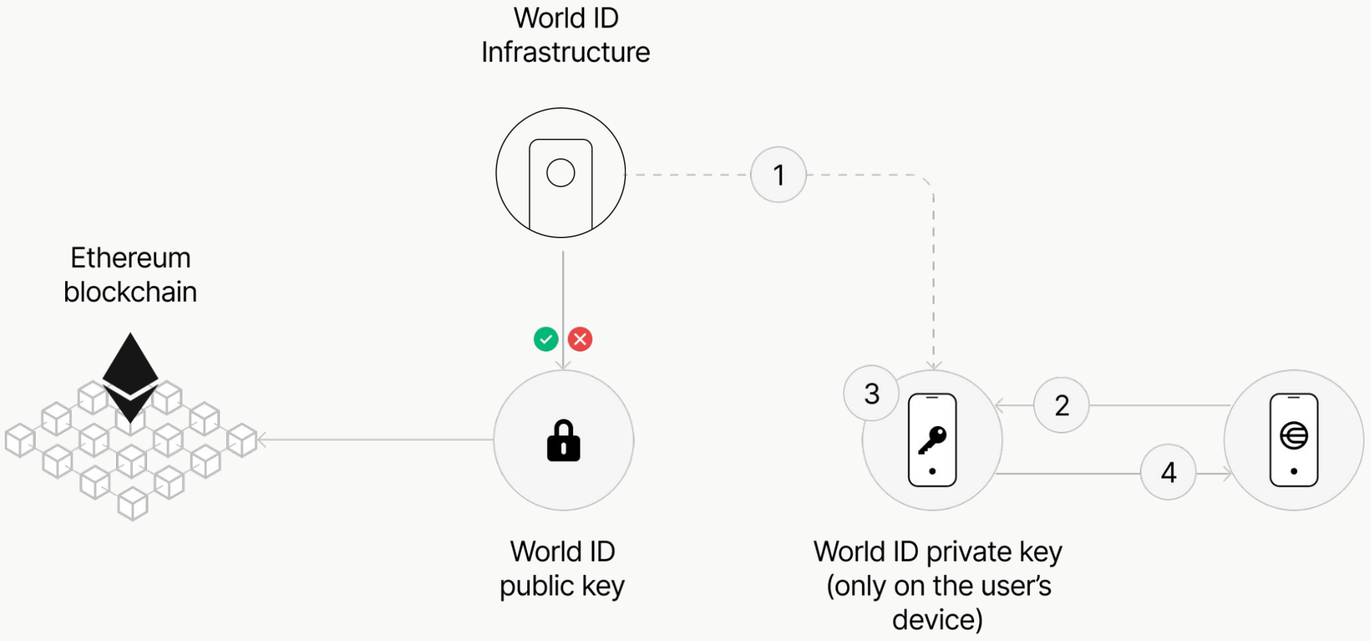
How it works:

1. World App requests a Merkle inclusion proof of its identity commitment from the signup-sequencer. This establishes the user's identity commitment is part of the set of all identity commitments (e.g. they are verified).

2. Application requests the proof that the device has a verified World ID.

3. World App generates the proof using it's private key and including the merkle inclusion proof.

4. World App sends proof to application. The application verifies that the proof is correct, and that the World App has a private key associated with a verified public ID commitment.



World ID Credentials

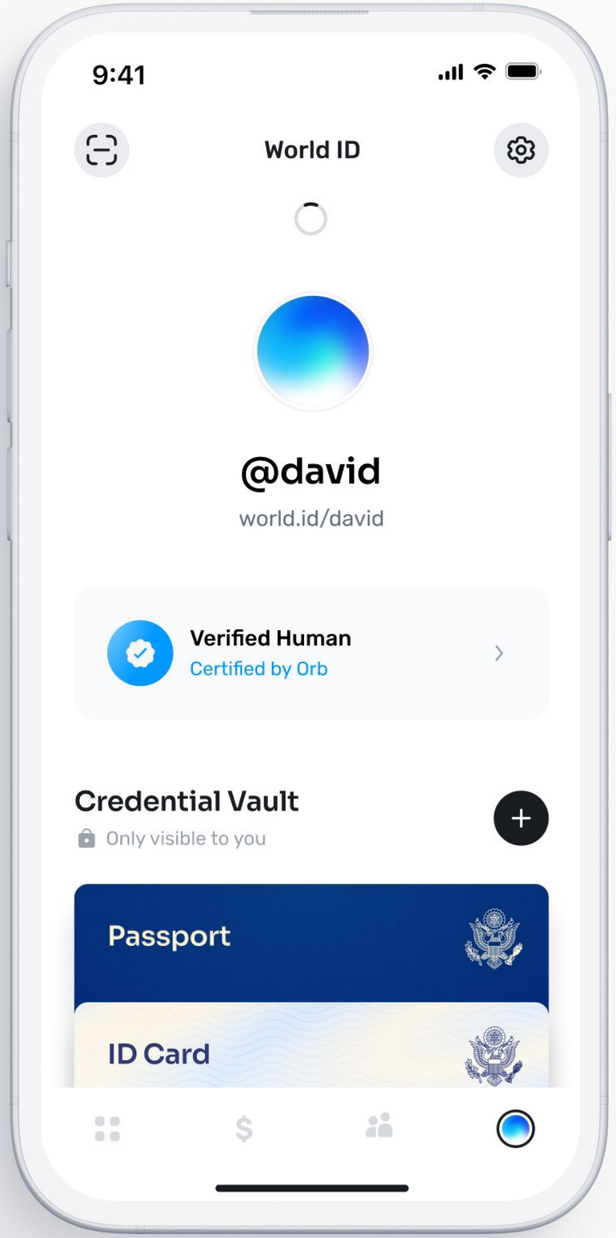
Credentials were introduced in World ID 3.0. The first credential is NFC-enabled passports or national IDs.

Credentials also include uniqueness, just like PoH, using AMPC. Credentials are used to present attestations to apps / relying parties in the form of zero-knowledge proofs (ZKPs). PII is never shared.

Currently, Credentials are an internally developed format.

Goals:

- Industry-standard credentials
- Fully permissionless: Any entity can issue a credential



World ID

The future of global identity

World ID is an open and permissionless identity protocol.

It empowers individuals to verify with applications while maintaining their privacy through zero-knowledge proofs.

It strengthens digital identity issuance by adding unique humanness to other digital identity schemes.

All with user custody and control.

Thank you

Adrian Ludwig, Chief Architect, Tools for Humanity
adrian@toolsforhumanity.com