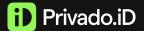


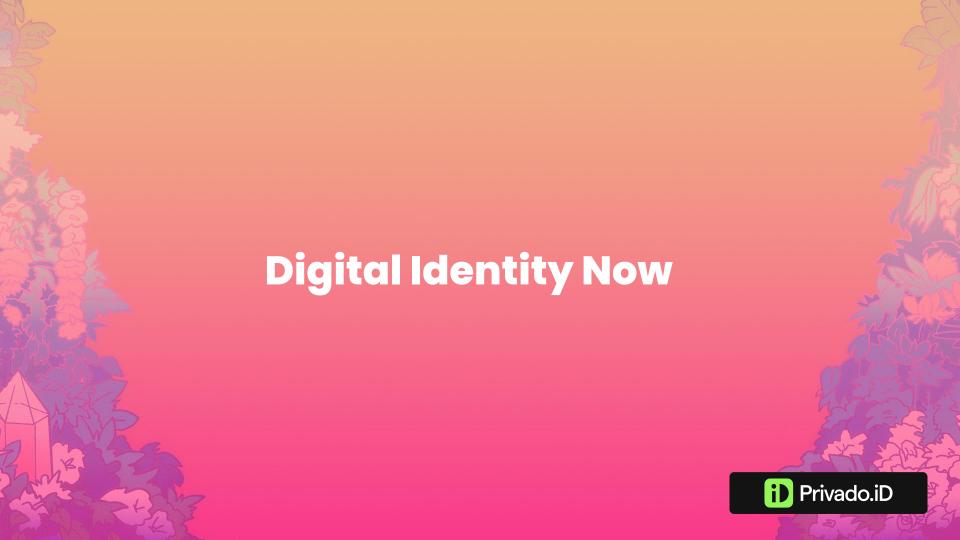
Jordi Baylina

Co-Founder of Polygon & Privado I

Oleksandr Brezhniev

CTO at Privado ID







Controlled by Corporations

Fragmented

Bad UX







Controlled by (Web3)
Corporations

(Even more) Fragmented

(Even worse) UX



Public Immutable Ledger
+
Sensitive Data
=
Problems

Surveillance
Unforgiving Algorithms
Privacy Erosion



The Solution

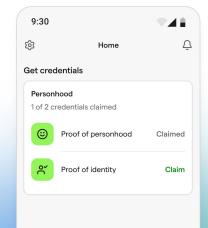
- **Self Sovereign** Identity
- Single decentralized database of the truth.
- Privacy by design and by default (ZK)
- Simple Open Standard that comes from the roots



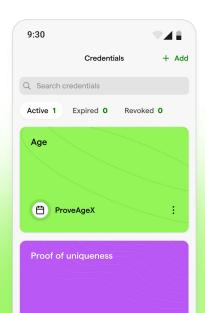
Privado ID

- SSI Middleware Infrastructure for identity on any chain, any device
 - Built on top of iden3 protocol.
- Compliant with W3C DID & Verifiable
 Credentials Data Model Standards.
- Powered by Zero-Knowledge Proofs to enable privacy-preserving verifications.

Create Your Self-Sovereign Identity

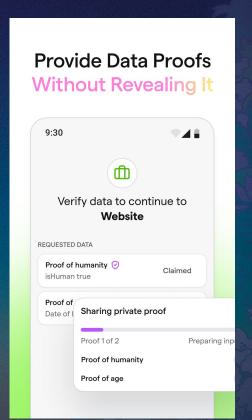


Store & Manage Credentials



Privado ID: Taking the Guesswork out of Identity

- Unified Identity; chains, devices, legacy systems
- Cross-chain Verification; Prove once, use forever
- Prove Statements without Revealing Private Data
- Selective Disclosure
- Privacy-Preserving Proof-of-Uniqueness
- Decentralized Trustless Issuance
 - Smart Contract Issuance



Privacy-Preserving Proof-of-Uniqueness

- Proving uniqueness based on credentials
- Credential could be of any type
- Depends on the issuer verifying uniqueness before issuing a credential
- Uniqueness Nullifiers are generated for specific Verifier and Context

genesisID
secretNonce
credentialSchema ⇒ ZK Circuit ⇒
nullifier
verifierID
nullifierSessionID

•



Privacy-Preserving Proof-of-Uniqueness Use Cases

Sybil Resistance for Onchain Incentives

Stop overpaying bots!

DAO Proposal Voting

- Based on DAO Membership / Contributions
- Protects delegate independence of choice

Humanitarian Aid Distribution

- Based on Citizenship or Membership in Vulnerable Group
- Enables value distribution while minimizing harm to marginalized recipients

Company-wide Anonymous Survey

- Based on Employee Credential
- Compels honesty and authenticity without social repercussions

Nationwide Voting

- Based on Registered Voter Credential
- Protects the democratic process from outside influence



Decentralized Trustless Issuance

- Complements regular trusted issuance model
- Allows smart contracts to issue
 credentials from on-chain data
- Allows users to self-issue credentials
 from private off-chain data

```
EthAddressIssuer.
issueCredential(
userProfileID
)
```

```
AnonAadhaarIssuer.
issueCredential(
credentialHash,
ZKP
```

* pseudocode



