



fuda.

Membership as an on-chain right.



Try it now

fuda.sh/@ethonline2026



ETHGlobal Online 2026

What fuda is



Your pass in Apple / Google Wallet

Your rights in your pocket.

- No app install needed
- Secured by passkeys
- Verifiable on-chain

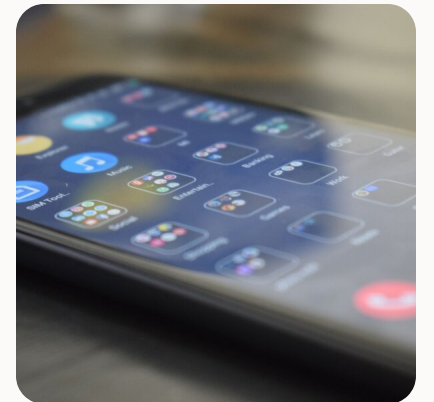
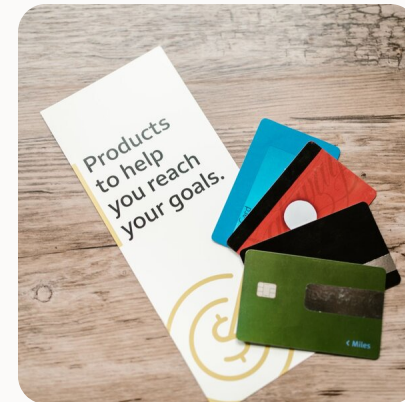
Built with  EAS  ENS  The Graph
 Base Smart Account (ERC-4337)

The problem

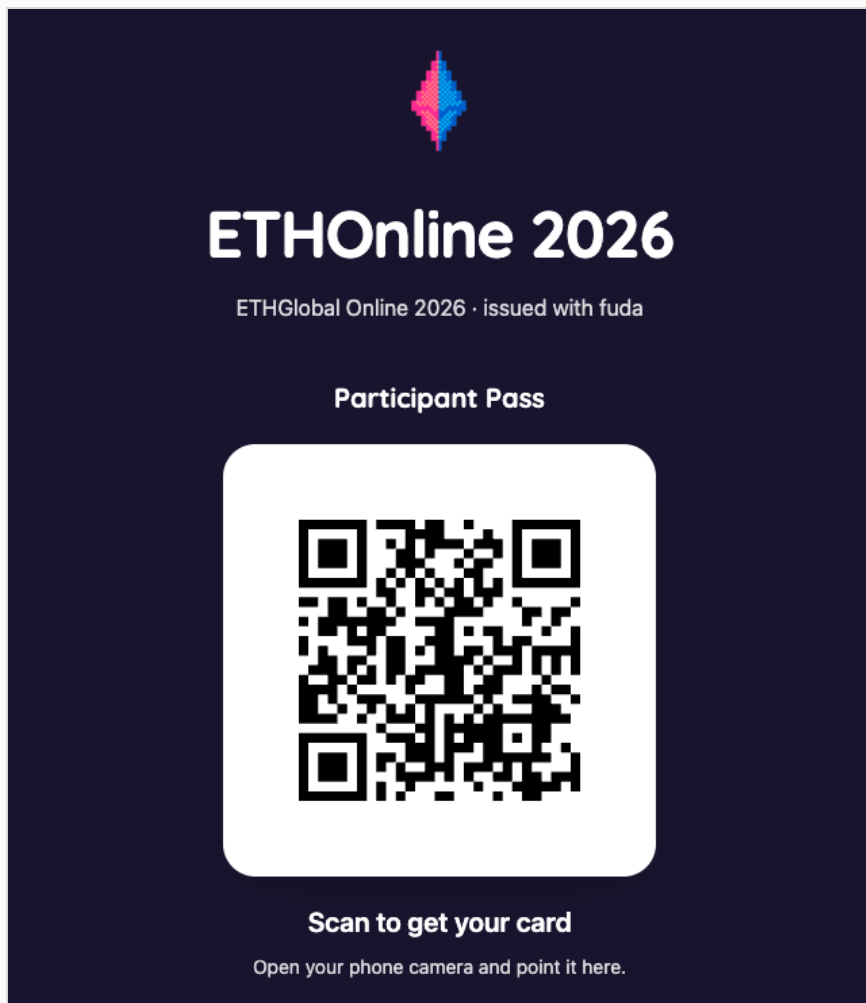
Membership today couples two things that should stay separate: the right, and the app that serves it.

- **Plastic / Paper** — static, siloed, hard to update or revoke.
- **Custom apps** — expensive to build, and nobody wants another app.

The right should outlive the app.



DEMO: Event Pass - ETHOnline 2026



- **A participation pass** — claim it from the link, the way you would a POAP.
- **No app, no sign-up** — it lands in Apple / Google Wallet or the browser.
- **The right is an EAS attestation** on Base — anyone can verify it, without us.
- **Your member number is an ENS name** — under the issuer's subname.

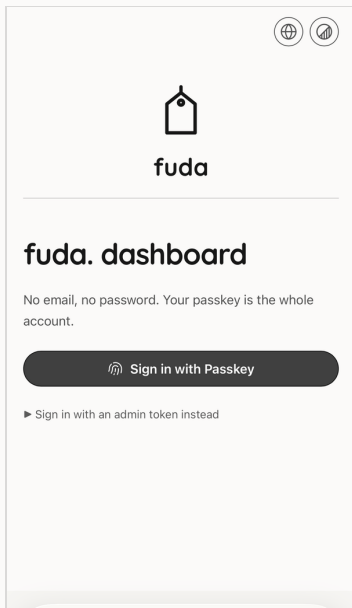
qj2yxphedrka . ethonline2026 . fuda.eth

MEMBER NO — OFFCHAIN RESOLVER ISSUER NAME — ENS SUBNAME PARENT — ENSV2

ENS names the relationship; EAS proves the right. The pass prints it QJ2Y-XPHE-PDRKA; hyphens never enter ENS.

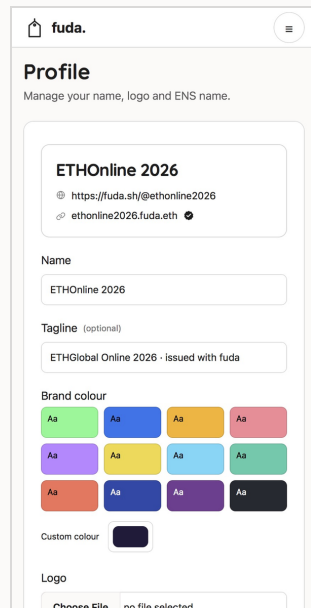
DEMO: Membership Card - Wassie Coffee

A venue goes from nothing to a live point card in minutes — from the dashboard, on any device. Video in the recorded pitch; stills here.



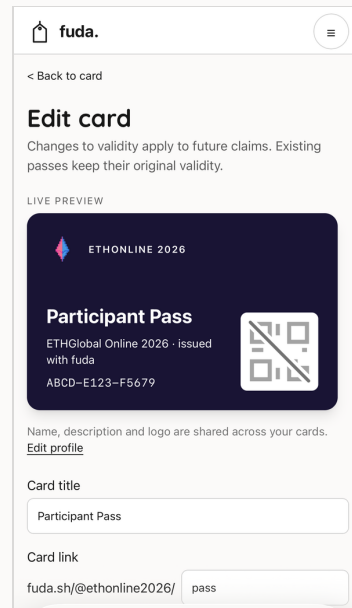
1 • Sign in

A passkey is the whole account; the **@handle** becomes the link and the QR.



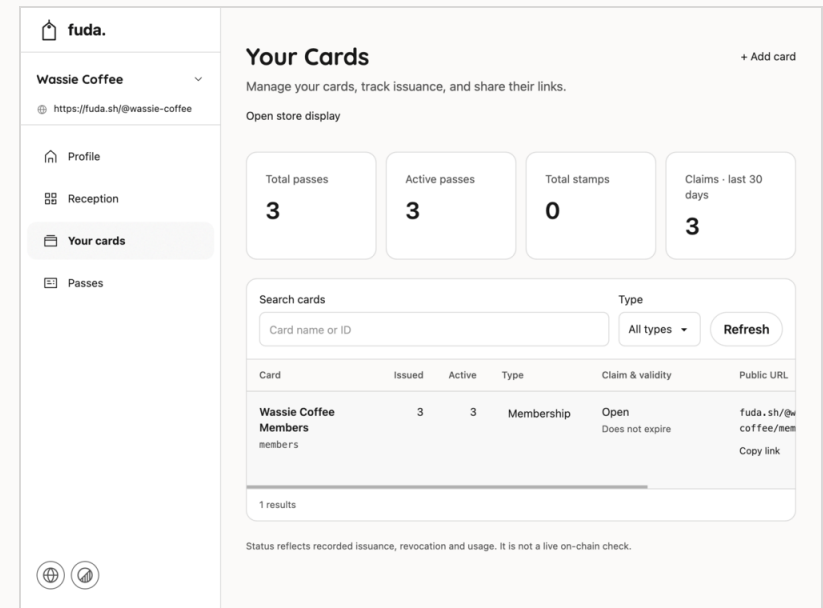
2 • Set up the profile

Name, colour, logo, and the ENS name — the venue's own look.



3 • Design the card

A live preview; publish when it looks right.

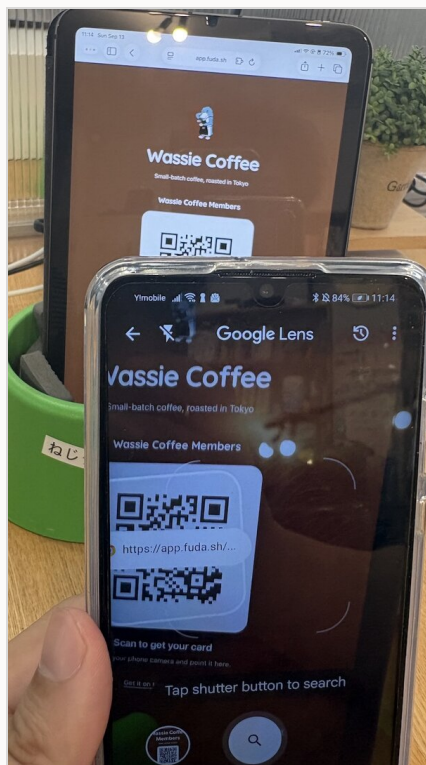


4 • Share the link

One link, one QR at the counter. Nothing to install.

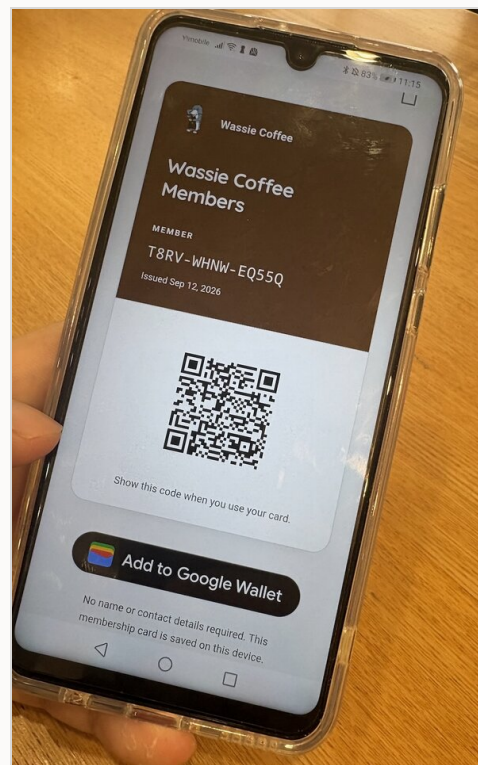
DEMO: Membership Card - Wassie Coffee

One scan at the counter, and the card is in the wallet. No sign-up, no app.



1 • At the counter

Point the camera at the venue's QR. Nothing to install.



2 • The card is issued

Thirty seconds, no account — then one tap to Google Wallet.

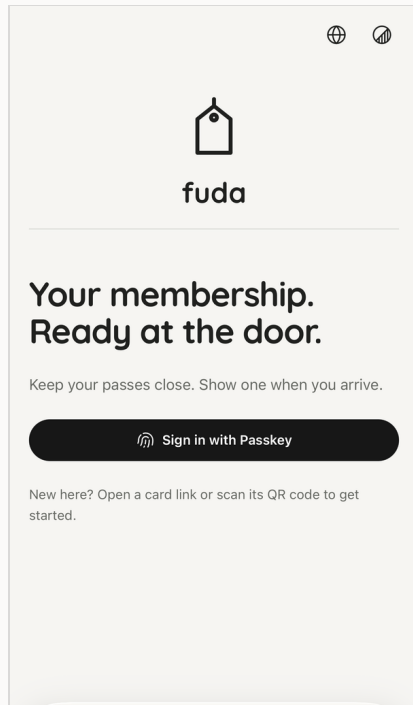


3 • In the wallet

The pass lives in Google Wallet, QR ready for the door.

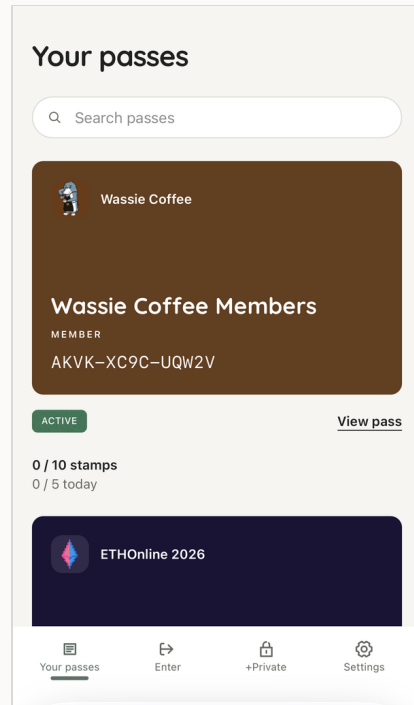
DEMO: Member web app

Every pass in one place, each in its venue's own look. The wallet is the floor; the app is the view across venues.



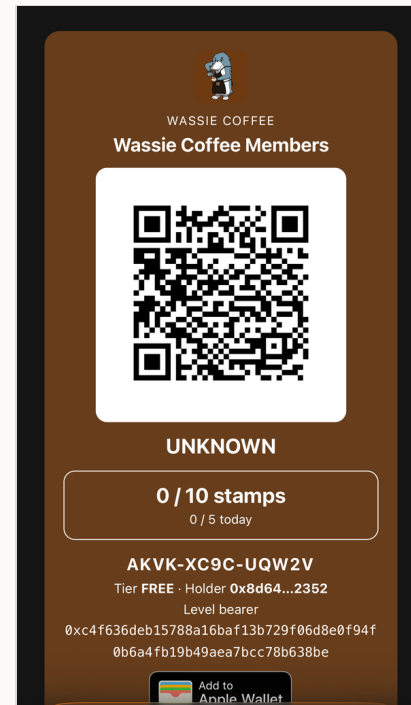
1 • Sign in

A passkey, no password — the same Base account a venue signs in with.



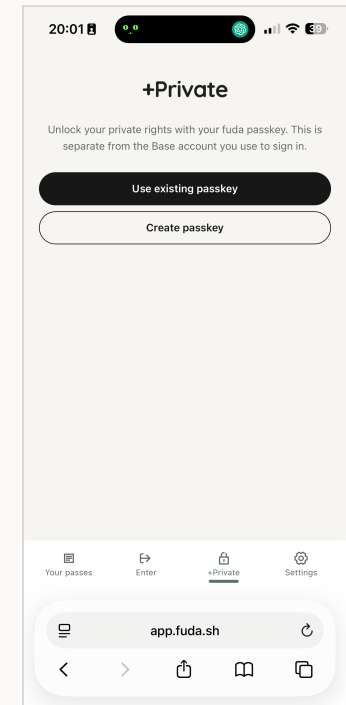
2 • Your passes

Live status and stamp progress; a revoked pass says so.



3 • The pass

One QR for the door. The status re-checks the chain every 30 s.

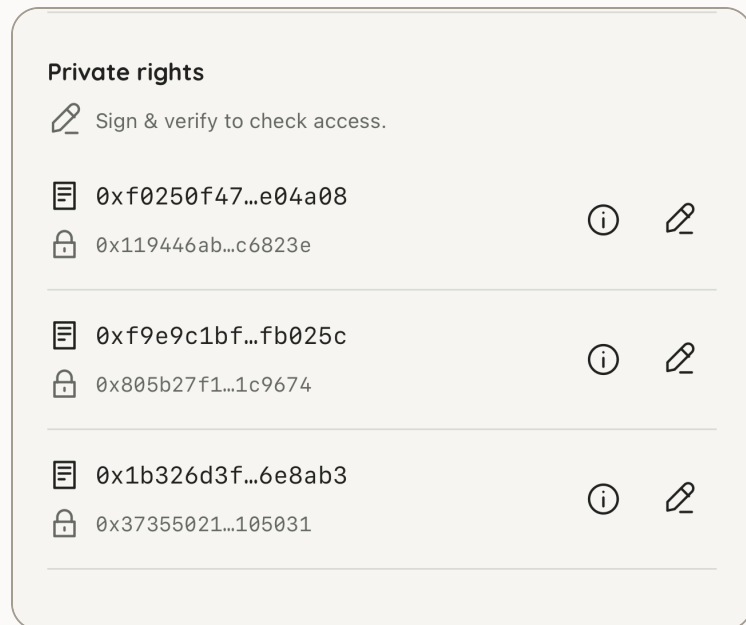


4 • +Private

A separate fuda passkey unlocks private rights, kept apart from sign-in.

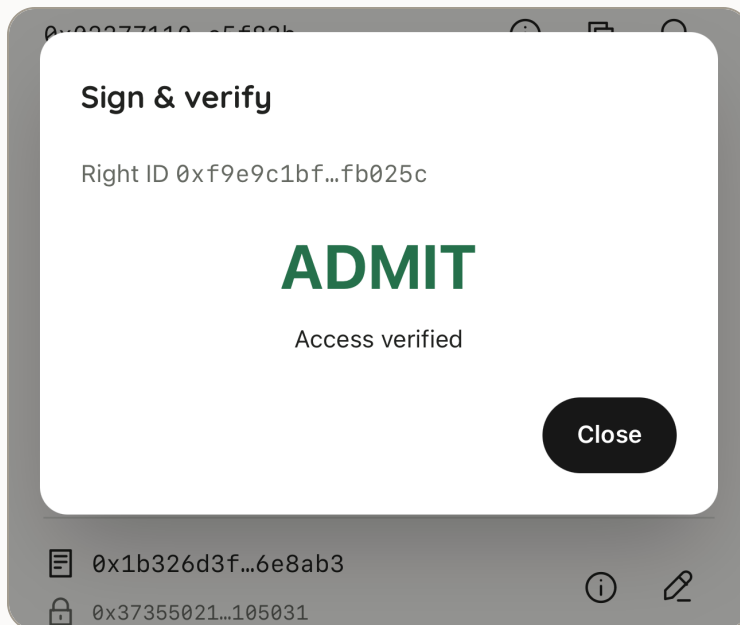
DEMO: +Private — passkey before issuance

Standard: save a pass and scan. **+Private:** prepare a passkey, then receive a private right.



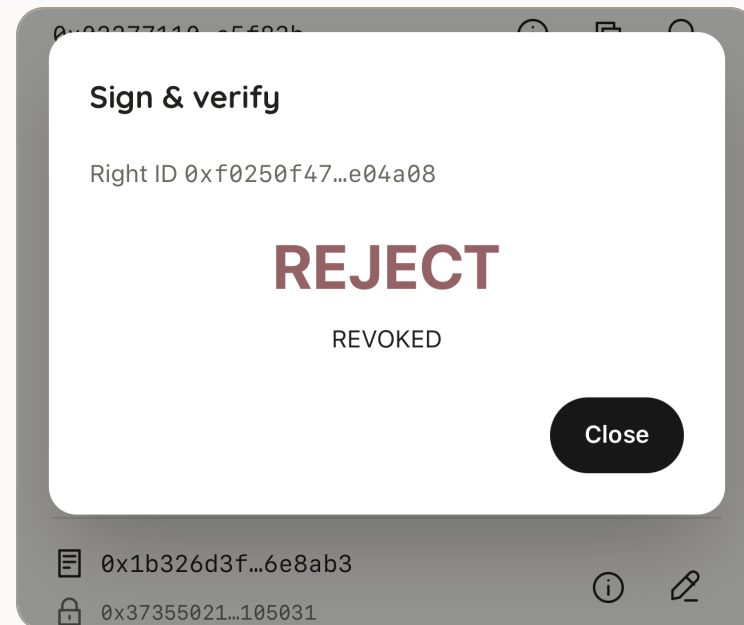
1 · Unlock & discover

Find your rights with keys derived from your fuda passkey.



2 · Sign to enter

A valid right grants access after a signature check.



3 · A revoked right is rejected

Open a previously revoked right; access is denied.

Setup: passkey PRF → stealth meta-address. **Issuance:** fresh stealth address → EAS attestation.

Private issuance works via API; its UI flow is not yet connected. Operators can revoke rights from the dashboard.

Built this hackathon (Sept 4–14)

SURFACES

Four, live on fuda.sh

- **Dashboard** — passkey sign-in, card designer, `/@handle` QR, issue & revoke
- **Member app** — browser pass, rights list, Signed challenge
- **Gate scanner** — scan → Bearer / Signed / +Private verdict

FUDA API

The layer you can remove

- **Pass builders** — Apple `.pkpass`, Google Wallet, browser pass
- **Admission** — reads EAS by `eth_call`, fails closed
- **ENS gateway** — EIP-3668 signed answers · ERC-7677 paymaster

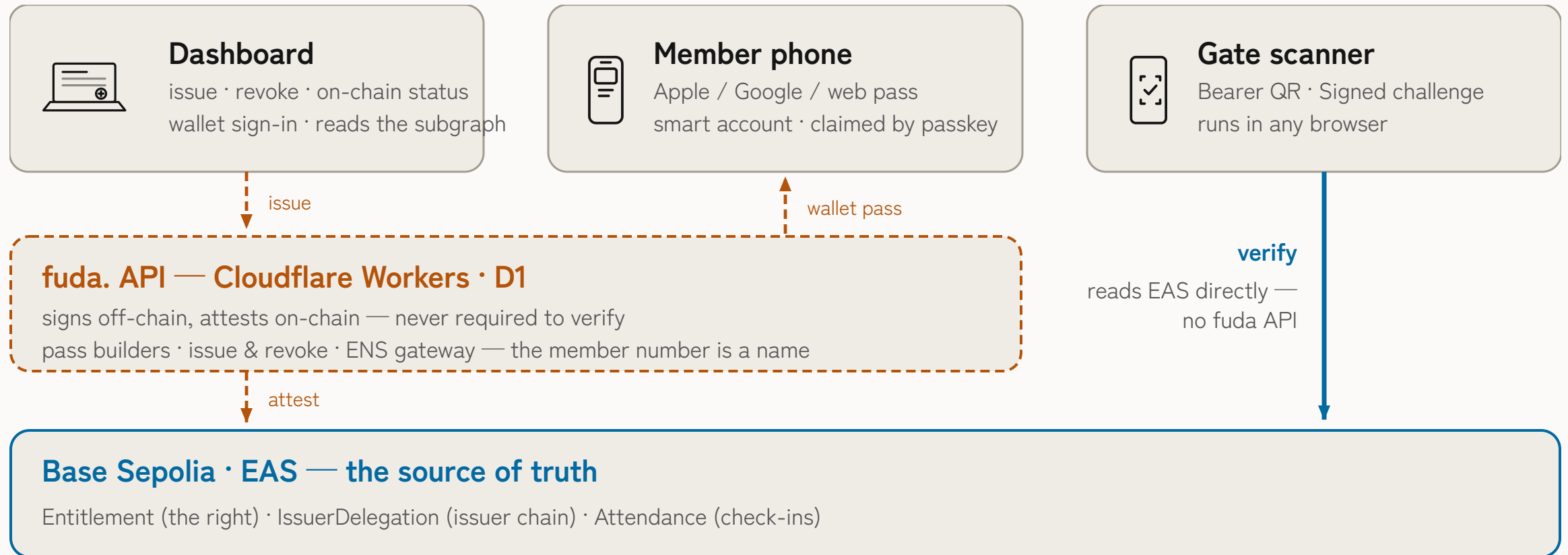
ON-CHAIN

What outlives us

- **Three EAS schemas on Base** — Entitlement · IssuerDelegation · Attendance
- **ERC-5564 stealth address** — a fresh address per +Private right
- **ENSv2 on Sepolia** — hybrid resolver + voucher-gated registrar

Architecture

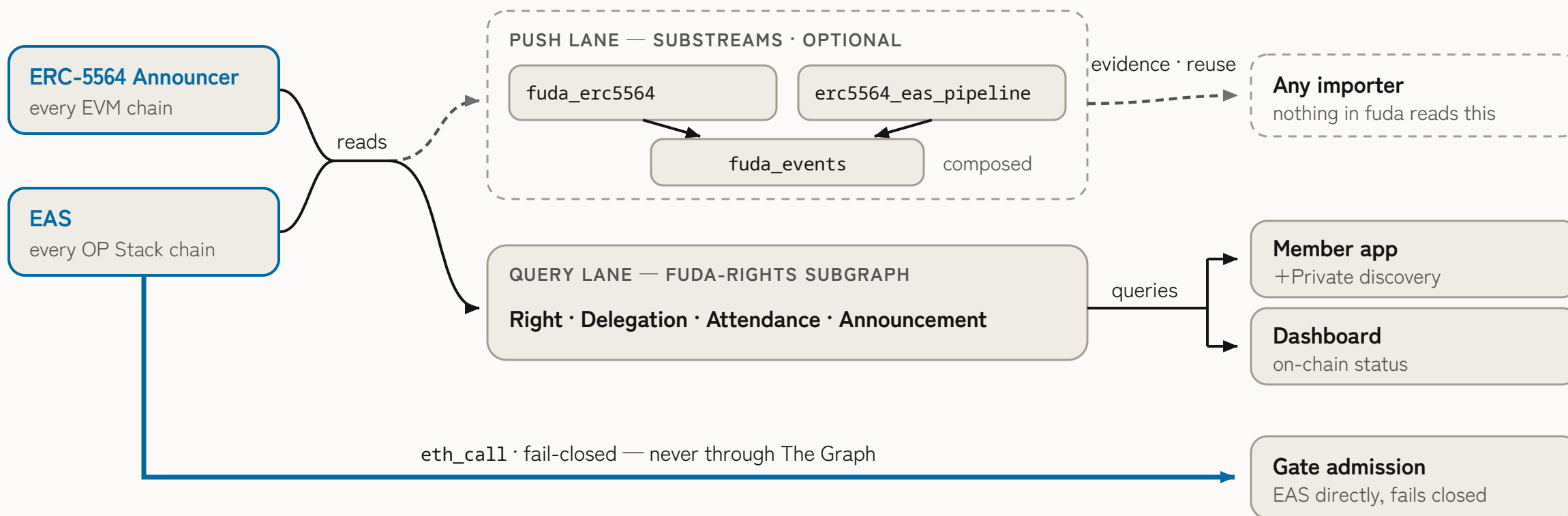
The right is the source of truth. fuda is not.



Blue = trust. **Amber** = convenience.

Integration: The Graph

On the read path of two of the four surfaces. The member app discovers +Private rights it can see no other way; the dashboard reads on-chain status. The API's own cache was deleted when that landed.



Blue: on-chain · Solid: required · Dashed: optional. Subgraph outages affect discovery and on-chain lookups; issuance and QR verification still work.

Integration: ENS

qj2yxphedrka.ethonline2026.fuda.eth

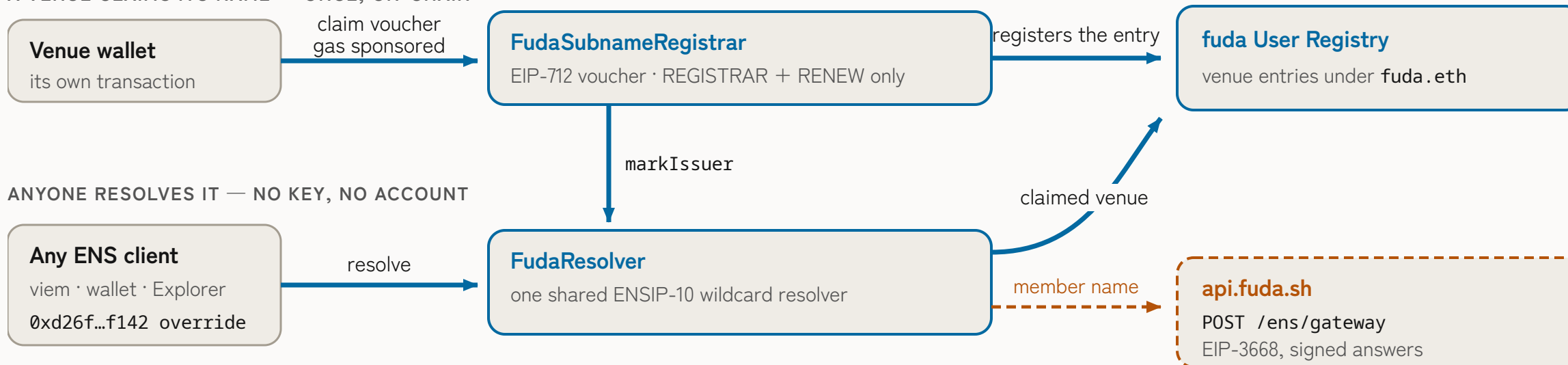
MEMBER NO — OFFCHAIN RESOLVER

ISSUER NAME — ENS SUBNAME

PARENT — ENSV2

ENS names the relationship; EAS proves the right. The pass prints it QJ2Y-XPHE-PDRKA; hyphens never enter ENS.

A VENUE CLAIMS ITS NAME — ONCE, ON-CHAIN



Gate admission — EAS only
the resolver is never consulted

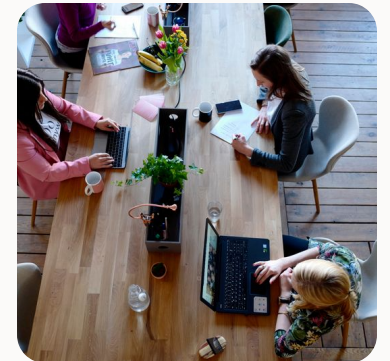
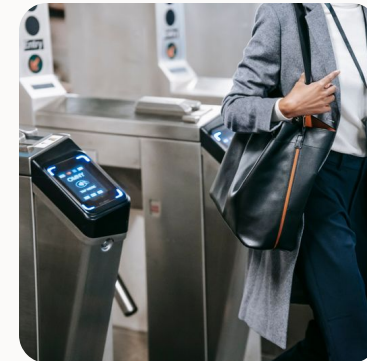
Blue is on-chain and fuda-free; **amber** is fuda under signature. ENSv2 beta on Sepolia, not production ENS.

Why fuda

Easy to start. Open to connect. Flexible by design.

- **Simple** — issue in minutes; save to Wallet. No new app, no sign-up.
- **Open** — issue and manage one access right; connect it to door access, sign-in and Slack through open integrations.
- **Flexible** — membership cards, tickets and loyalty cards. QR today; NFC and stronger privacy options planned.

Planned: anonymous (v2) — private access with no per-visit on-chain record. EAS offchain / ZK issuance routes under design; not implemented.



Our goal

On-chain where trust matters.
Invisible everywhere else.



Pre-signup

fuda.sh



GitHub

github.com/oboroxyz/fuda-sh



Live demo

fuda.sh/@ethonline2026

3 templates — chosen by use case

📄 STANDARD

Bearer

- shop memberships · stamp cards · tickets
- **One tap** — save the pass, use it right away.
- At the gate: **the right exists**.

🕶 PRIVATE

Signed + Private

- employee badges · restricted rooms · backstage
- Create a passkey, then save.
- At the gate: **holder present**, via a fresh stealth key — no stable member link.

📄🕶 PRIVATE + LOYALTY

Two rights

- private club + points
- The loyalty card works right away.
- **+Private** for access · a stable holder for value.

The issuer picks the template at issuance. The gate has just two rules — Bearer proves the right, Signed proves presence.

What's next

RIGHT AFTER THE EVENT

Ship it for real

- **Production cutover** — Apple & Google Wallet, first live venues.
- **ETHGlobal Tokyo** — run fuda. at a real event: stamp rally, ENS venue names.

THE ROADMAP

The card becomes an account

- **Value layer** — points as on-chain value, then USDC on the card.
- **Integrations** — LUMA, Square, Stripe; Discord & smart locks.
- **Agent-native** — MCP tools; chain-readable, no vendor API.