



Inherently Safe Digital Identity | January 2025

The Age-Restricted Internet

TruAnon Represents A Vision Of Privacy & Protection For A Legally Compliant Validation Of Our Most Confidential Things Like Age, Education, Medical Or Employment Status

To secure our future world, the “*Age-Restricted Internet*”, TruAnon lets account **Owners** confidentially connect two separate **Services** in a private and secure fashion, “*being the blinders*” that safeguards privacy and reputation for all parties.

This approach combines security efforts; threat actors must defeat two separate **Services** and attempt to connect accounts without knowledge —all before the **Owner** locks them down.

This dedication to “*being the blinders*” *leaves data in place* —secured by those already responsible for its protection. A double-blind, ZKP structure protects all parties. There are no outdated copies —answers to private questions are securely brokered by the **Owner** and transferred from the **Publishing Service** in real time.

Respecting Roles, Privacy & Accountability

A **Service** is private when the **Owner** decides it should not be displayed. Data is private when a **Publishing Service** decides it shall be governed as such. **Consuming Services** can onboard new members immediately, granting privileged access in response to

changes in real-time. **Owner** updates to privacy and **Service** updates to access take effect immediately.

"This isn't just technology—it's a framework that enforces the natural truths of validation, privacy, and safety."

We honor this shared vision: **Publishers** define access, **Owners** define privacy, and trusted **Consuming Services** see only what is authorized.

This demonstrates a full “Waterfall” of verify thresholds.

Three Age Thresholds:

- **Verification:** *Confirms* age via official documents or trusted sources.
- **Estimation:** *Predicts* age through biometrics or algorithms.
- **Inference:** *Estimates* age based on indirect data like behavior patterns.

Three Measures of Impact:

- **Failure Rate:** Incorrectly denied legitimate users.
- **Fraud Rate:** Bad actors using forged credentials.
- **Exclusion Rate:** Few have verifiable ID, creating credential bias.

TruAnon is the superior solution to age verification. This naturally reports identity confidence through publicly verifiable means. A **dynamic age badge** (e.g., Over 13, Over 16) is already ranked by confidence from a visible history of interactions and audience oversight —more audience means more confidence.

A **Credible** rank is already more reliant than classic ID checks, but people boost this report to **Reliable** or even **Genuine**. This ensures legitimate accountability and **Owner-controlled** privacy, continuously deterring banned actors.

For *Verification, Estimation, or Inference* requirements dictated by policy or by law, we apply the same **privacy-first deterrence**.

This system offers unbiased access to credibility for anyone, anywhere, in any language—within about ten minutes and without risk to privacy.

DEMO: DevHäuz Badges & Feature Access

This live demonstration highlights a core principle: **Services** define trusted sources like the DMV, IRS, GitHub, or "My Health Record" in the Australian National Provider Portal (NPP). Rather than relying on static ID, **Owners** confirm the accounts behind them. **Consumer Services** set the legal or policy standards, while **Owners** have choice.

Owners control privacy, granting or revoking as they wish, while **Consuming Services** are ensured of adherence to legal and regulatory requirements. Meanwhile, **Publishing Services** continue to govern access — all parties enjoy freedom from risk.

Here we see that when a validating property is provided, a special achievement badge appears for access to privileged features and members-only areas. If not, the badge disappears until the **Owner** specifically grants visibility of a validating property to this **Consuming Service**, DevHäuz.

- DevHäuz keeps account details confidential, responding to visibility from their own vetted list of legally or policy approved **Publishing Services**.
- **Owners** grant requested credentials to access *immediate onboarding* and *privileged features* and revoke them as they wish.

Owners control privacy, granting or revoking as they wish, while **Consuming Services** are ensured of adherence to legal and regulatory requirements while **Publishing Services** continue to govern access — *all parties are equally free from risk*.

Our Future World

Every online service can benefit by verified identity and we believe, in the future world we hope to secure, all services will offer this protection.

TruAnon does not interfere with other offerings or change how people use a service.

Most commonly, TruAnon does not change any existing relationship between a **Publisher** and their client **Consuming Services**. **Publishers** enforce the use of secured keys and structured APIs to govern access availability for **Consuming Services**,

transferring only what is authorized under their terms of service (TOS). This means **Consuming Services**, as key-holder, remain responsible for payments, usage terms and security.

The relationship between the **Publisher** and key-holders is entirely "their business," with access revoked for non-compliance, non-payment, and as vendor relationships or as sources change and evolve over time.

The common currency of online identity is *proof of age*. All **Consuming Services** face growing legal and regulatory requirements where a privatized response legally validates while protective blinders secure the **Owner**, **Consuming Service** and **Publisher** reputation equally. In this way, trust in policy and legality are defined by the **Consuming Service** and rights of private data are controlled by the **Publishing Service** —TruAnon is the “*blinders*” that **Owners** use to grant and revoke this privilege with confidence of privacy.