

| Category | Name | Architecture | Issuer/Maintainer/Redential/Method | Platform | Status/Pricing | Paper/doc source | relevancy to personhood credentials |
|------------------------|-------------------------------------|------------------|------------------------------------|-------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Government ID | Aadhaar Card | Centralized | UIDAI (India) | Biometric-linked Mobile/web portals | Free | https://uidai.gov.in | India's digital ID with biometric and demographic verification |
| Enterprise IAM | Auth0 | Centralized | Auth0 (Okta) | Customer Identity Cloud platform, SDKs | Freemium (developer tier, paid plans) | https://auth0.com/ | does not Verifies legal identity does not Confirms user is a human |
| Enterprise IAM | Azure AD / Entra ID | Centralized | Microsoft Azure | Cloud directory & Cloud (Azure), On-prem sync | Paid (per user or included in MS licenses) | https://www.microsoft.com/en-us | does not Verifies government-issued ID does not Confirms real person (liveness, KYC) does not Detects bots vs. humans |
| Government ID | BankID (Sweden) | Federated (Bank) | Finansiell ID-Tekn | Software token (l Mobile app, Desktop | Free to users (businesses pay) | | BankID is Sweden's most widely used electronic identification Initial In-Person Verification Secure Authentication Methods: |
| Behavioral | BehavioSec | Centralized | BehavioSec (LexisNexis) | Continuous behavior Web/Mobile (background) | Enterprise (now part of LexisNexis suite) | https://www.biometricupdate.com/ | Behavioral biometrics platform for continuous authentication Confirms real, unique humans through interaction behavior |
| Behavioral | BioCatch | Centralized | BioCatch (Israel) | Behavioral biometrics Web scripts, Mobile SDK | Enterprise (fraud prevention service) | https://www.biocatch.com/ | Behavioral biometrics analyzing user interaction patterns |
| Social Trust | BrightID | Decentralized | BrightID community | Social connector Mobile app | Free | https://brightid.org | Identifies users based on human behavioral traits—uses social graph analysis to verify uniqueness. |
| Social Trust | CANDID | Decentralized | CANDID DAO | Peer-to-peer human Mobile/Web | Free | https://www.usecandid.org | Verifies human uniqueness using social proofs and video |
| Government ID | Chinese Credit System | Centralized | Chinese Government | Government ID Mobile/Web | Mandatory (citizens) | https://en.wikipedia.org/wiki/Social_Credit_System | Monitors behavior and assigns credit/social scores. |
| Decentralized ID / KYC | Civic Pass | Decentralized | Civic Technology | Gov ID + liveness Mobile Wallet | Free to users | https://www.civic.com | Verifies identity for DeFi and web3 applications. |
| Biometrics | CLEAR | Centralized | CLEAR (Clear Stream) | Biometric membership Physical kiosks (airports), Mobile app | Paid subscription (CLEAR+) | | Biometric identity verification |
| | DECO | | | | | | A privacy-preserving proof system for off-chain data (decentralized) |
| Data/Knowledge | Ekata | Centralized | Ekata (Mastercard) | Phone/email/device API, Cloud service | Paid (per query) | https://ekata.com/ | "Identifies if info looks real doesn't prove a unique human is present." |
| Government ID | Estonia e-ID | Decentralized | Estonian Government | Smart card + PKI ID card reader or mobile | Free to citizens | https://e-estonia.com | Secure digital ID for accessing government and private services |
| Multi-factor Auth | FIDO2 / WebAuthn | Decentralized | FIDO Alliance | Cryptographic keys Hardware token, device (USB, NFC) | Open standard (hardware keys cost) | https://fidoalliance.org/abstract | It does not verify your legal identity (like a passport, not KYC) |
| Proof of Personhood | Humanode | Decentralized | Humanode | Biometric facial Desktop software | Free | https://humanode.io | Verifies personhood via private, biometric node validation |
| Decentralized ID | Hyperledger Indy & Aries | Decentralized | Hyperledger (Linux Foundation) | SSI ledger (Indy) Blockchain network + SDKs | Open source (used in Sovrin, etc.) | https://github.com/hyperledger/aries | does not Verifies ID documents or biometrics does not Confirms liveness / personhood |
| Federated ID / KYC | ID.me | Centralized | ID.me, Inc. | Gov ID + biometric Web, Mobile SDK | Free to users | https://www.id.me | Enables transport of verified identity Requires trusted issuer |
| Biometrics | IDemia Solutions | Centralized | IDEMIA (France) | Biometric system Hardware devices + software | Enterprise/government contracts | | Identity verification platform used by US government & others |
| Proof of Personhood | Idena | Decentralized | Idena community | Synchronous facial Desktop app | Free (with crypto incentives) | https://idena.io/ | Government-grade biometrics/ID tech Validates uniqueness through live video calls with other KYC and identity verification |
| Document / KYC | iDenfy | Centralized | iDenfy (Lithuania) | Multi-document Web/Mobile SDK | Paid (per completed verification) | | Validates uniqueness through live video calls with other KYC and identity verification |
| Biometrics | iProov | Centralized | iProov (UK) | Face authentication Mobile camera via SDK/Cloud | Paid (per authentication) | | Liveness + facial biometric proofing |
| Government ID | Japan My Number Card | Centralized | Japanese Government | Smart ID with photo Mobile, Card reader | Free to citizens | https://www.kojinbango-card.go.jp/ | National ID for tax, healthcare, and digital services. |
| Document / KYC | Jumio | Centralized | Jumio Corp. | ID document scan Web/Mobile SDK, API | Paid (Netverify SaaS) | | KYC, ID verification |
| Social/Trust | Keybase | Centralized | Keybase (Zoom) | Social account proof Desktop/Mobile app | Free (service) | https://keybase.io/ | KYC, ID verification Proves online identities are linked, not that a human is real |
| Enterprise IAM | Keycloak | Centralized | Open Source (Red Hat) | Identity server (s Server software (Java) | Free (open source) | https://www.google.com/books/edition/Keycloak | It does not verify if a user is a real human or match a legal ID |
| Data/Knowledge | LexisNexis ID Proofing | Centralized | LexisNexis Risk Solutions | Aggregated data Web API | Paid (enterprise service) | | It does not do KYC, document scanning, liveness check ID + data-based verification |
| Decentralized ID | Microsoft Entra Verified ID | Decentralized | Microsoft (Entra) | Verifiable credentials Cloud service + Authenticator app | Paid (Azure usage, limited free issuance) | https://www.microsoft.com/en-us | does not Verifies government ID or documents does not Confirms real human via liveness, biometrics |
| Biometrics | NEC Bio-ID (NeoFace) | Centralized | NEC Corporation | Facial recognition Software (surveillance, border control) | Enterprise/government solutions | | Issues or consumes trusted identity claims Facial recognition (biometric) |
| Biometrics | Nuance Gatekeeper | Centralized | Nuance (Microsoft) | Voice biometrics Call center/IVR integration | Enterprise licensing | https://www.nuance.com/content/dam | Voice biometrics for authenticating speakers by analyzing speech patterns |
| Enterprise IAM | Okta Identity Cloud | Centralized | Okta, Inc. (USA) | Cloud Identity & Cloud platform, Web/Mobile | Paid per user (enterprise SaaS) | https://www.okta.com/learn/okta-identity-cloud | Verifies a unique human by biometric voiceprint, useful for KYC, ID document + face match |
| Document / KYC | Onfido | Centralized | Onfido (Entrust) | Photo ID document Web/Mobile SDK, API | Paid per verification (SaaS) | | does not Verify government-issued ID does not Confirm user is a real human |
| Social/Trust | PGP Web of Trust | Decentralized | Open PGP community | Peer-signed public key Software (PGP/GPG applications) | Free (open protocol) | https://en.wikipedia.org/wiki/Web_of_Trust | Ensures key ownership, not necessarily human uniqueness |
| Enterprise IAM | Ping Identity Platform | Centralized | Ping Identity (US) | Enterprise SSO, SaaS Software and Cloud options | Paid (enterprise licenses) | https://www.pingidentity.com/en/products | It does not verify your real-world personhood, like scan of a physical ID |
| Social Trust | Proof of Humanity | Decentralized | Kleros DAO | Video submission Web | Free | https://www.proofofhumanity.id | Crowdsourced identity registry combining video and social proof |
| CAPTCHA | reCAPTCHA | Centralized | Google | Challenge-response Web (browser) | Free | https://www.google.com/recaptcha | Proves a user is human using visual/audio tasks; prevents bots |
| Enterprise IAM | SAML & OpenID Connect (standards) | Federated | OASIS / OpenID Foundation | Federated identity Web (browser SSO), Mobile | Open standards (implemented in IAM products) | https://fidoalliance.org/abstract | They don't verify your legal identity, real-world personhood |
| Document / KYC | Trulioo | Centralized | Trulioo (Canada) | Global ID data verification Web API, Portal | Paid (tiered API plans) | | Global identity verification platform |
| Behavioral | TypingDNA | Centralized | TypingDNA (US) | Keystroke dynamics Web SDK/API | Freemium (developer API) | https://www.typingdna.com/ | Uses behavioral biometrics to confirm a human and the device |
| Document / KYC | Veriff | Centralized | Veriff (Estonia) | Government ID verification Web/Mobile SDK | Paid (verification as a service) | | Analyzes typing patterns to identify users based on how they type |
| Decentralized ID | W3C DID (Decentralized Identifiers) | Decentralized | W3C Standards | Cryptographic de Blockchain/DLT & other networks | Open standard (implementation-specific costs) | https://www.w3.org/TR/did-1.0/ | Enables identity control but doesn't confirm human personhood |
| Decentralized ID | W3C Verifiable Credentials (VC) | Decentralized | W3C Standards | Cryptographically Various (wallet apps, cloud verifiers) | Open standard (many tools open-source) | https://www.w3.org/TR/vc-data-model | Verifies claims about identity but doesn't confirm current status |
| Proof of Personhood | World ID | Decentralized | Worldcoin | Iris scan with Orbi Mobile app | Free to users | https://worldcoin.org | Standard for asserting credentials (e.g. age, ID) in the verifiable world Biometric proof of uniqueness tied to a digital identity. |