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## Multi-Identity Delegation Without Biological Data Disclosure

by [Nick Clark](#) | Published March 27, 2026 | [PDF](#)

Organizations require delegation: one person authorizing another to act on their behalf. In biological identity systems, delegation must occur without the delegator revealing their biological data to the delegate or to the system verifying the delegation. Multi-identity delegation achieves this through cryptographic proof structures that verify authorization chains without exposing any party's biological identity material.

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### What It Is

Multi-identity delegation enables one biological identity to authorize another to perform specific actions within a defined scope and time window. The delegation creates a verifiable authorization chain that links the delegate's actions back to the delegator's authority without requiring the delegate to present the delegator's biological data.

The delegation proof attests that a trust slope above a specified threshold authorized the delegation. The delegate operates under their own biological identity with the additional authority granted by the delegation.

## Why It Matters

Without privacy-preserving delegation, biological identity systems force a choice between security and usability. Either delegation is impossible (forcing the delegator to perform every action personally) or delegation requires sharing biological data (creating exactly the vulnerability the system was designed to prevent).

Multi-identity delegation preserves the privacy guarantees of biological identity while enabling the operational flexibility that real organizations require.

## How It Works

The delegator creates a delegation token that binds their trust slope proof to the delegate's identity, the authorized capability scope, and an expiration condition. The token is cryptographically signed such that it can be verified without access to either party's raw biological data.

When the delegate exercises the delegated authority, the verifying system checks both the delegate's own biological trust slope and the validity of the delegation token. Both must be valid for the action to proceed. The delegation chain is recorded in the governance audit trail.

## What It Enables

Multi-identity delegation enables biological identity to function in hierarchical organizations, emergency scenarios, and distributed operations where delegation of authority is essential. Medical power of attorney, corporate signing authority, military command delegation, and emergency authorization transfer all become possible without compromising the biological privacy of any party involved.

[Biological Identity All 21 steps →](#)

Identity from behavioral continuity. No stored templates. No keys.

Primary Technical Disclosure

[◦ Continuity-Based Biological Identity Using Trust-Slope Validation](#)

Secondary Technical

[◦ Biological Trust Slope Construction: Identity Through Behavioral Continuity](#)[◦ Contact, Non-Contact, and Passive Resolution Modes for Biological Identity](#)[◦ Biological Hash Generation With Domain Separation](#)[◦ Biological State Inference From Continuity Baseline](#)[◦ Cross-Modal Biological Hash Fusion](#)[◦ Biological Continuity as Handoff Verification](#)[◦ Relational Trust Trajectories: Trust as Temporal Relationship](#)[◦ Identity as Behavioral Continuity: Beyond Single-Point Capture](#)[◦ Biological-Device-Agent Identity Layering](#)[◦ Biological Signal Acquisition Tiers](#)[◦ Noise-Tolerant Feature Normalization for Biological Signals](#)[◦ Stable Sketching and Helper Data for Biological Features](#)[◦ Predictive Identity Trajectory: Forecasting Biological Identity Evolution](#)[◦ Population-Scale Collision Resistance for Biological Hashes](#)[◦ Adaptive Indexing of Biological Trust Slopes](#)[◦ Delayed and Sparse Validation for Disconnected Environments](#)[◦ Policy-Governed Capability Binding for Biological Identity](#)[● Multi-Identity Delegation Without Biological Data Disclosure](#)[◦ External Credential Integration With Trust-Slope Integrity](#)[◦ Anti-Spoofing Through Continuity Validation](#)[◦ Identity Lifecycle Management and Phase-Based Reseeding](#)[◦ Quorum-Based Biological Identity Recovery](#)[◦ Privacy Governance and Revocation for Biological Identity](#)[◦ Human-Agent Primitive Integration for Biological Identity](#)

Applications (General)

[◦ Airport Security Without Biometric Databases](#)[◦ Estate Verification Through Behavioral Continuity](#)[◦ Biological Identity for Elder Care Continuity](#)[◦ Biological Identity for Child Development Tracking](#)[◦ Biological Identity for Addiction Recovery Monitoring](#)[◦ Biological Identity for Workplace Safety Monitoring](#)[◦ Biological Identity for Athletic Performance](#)[◦ Biological Identity for Immigration Processing](#)

Applications (Specific)

[◦ TSA PreCheck Matches Templates, Not Continuity](#)[◦ Global Entry Verifies Documents, Not Biological Continuity](#)[◦ Face ID Matches a Stored Model, Not a Living Trajectory](#)[◦ Samsung Knox Guards the Container, Not the Identity](#)[◦ ID.me Verifies Documents, Not Biological Continuity](#)[◦ Secure Scores Risk at a Single Point in Time](#)[◦ Plaid Identity Verifies Financial Accounts, Not Biological Persons](#)[◦ Onfido Detects Document Fraud, Not Identity Drift](#)[◦ Veriff Captures Sessions, Not Trajectories](#)[◦ Trulioo Queries Databases, Not Biological Trajectories](#)

[Biological Identity overview →](#)

AQ

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