

GNAP interaction with VC-HTTP API W3C work

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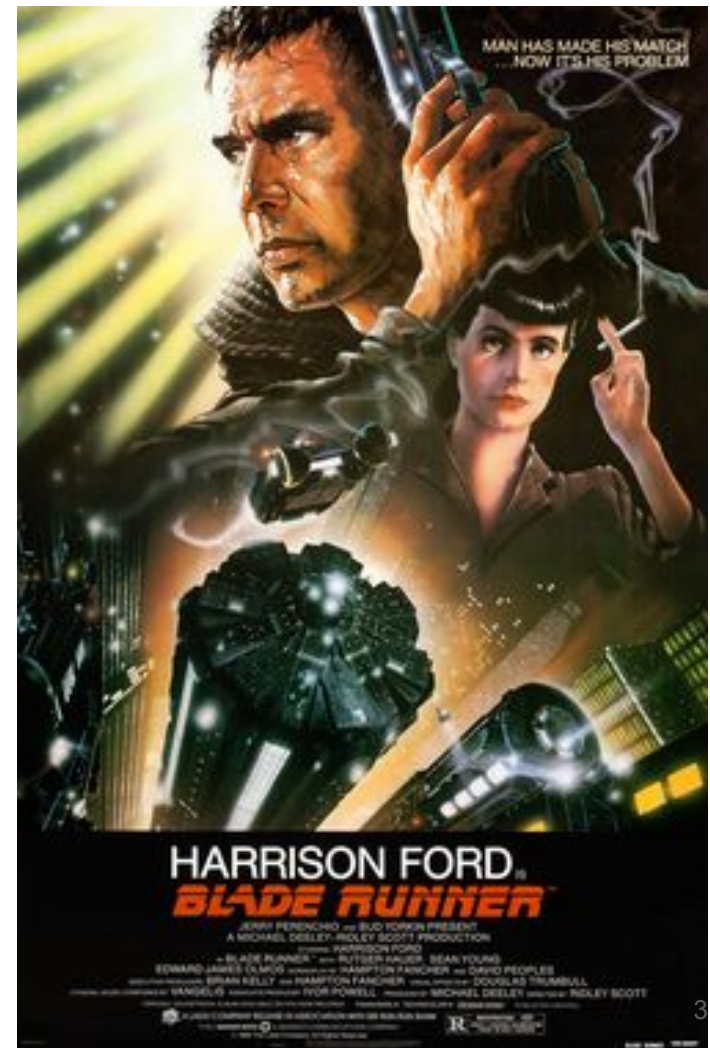
A Human Rights Perspective on Protocol Design

- Privacy is not enough
- Efficiency shifts power to the sovereigns
- Standardized data models are useful but **protocols are essential**
- What is Self-Sovereign Identity?
- Separation of Concerns - Controller or Processor (**not both**)
- Control Models and Protocols - (direct vs. delegated)
- W3C and DIF Protocol Work
- Discussion Points

Human Rights Concerns

- Ambient Authentication
- Non-repudiable Authentication
- Anonymity Barriers
- Strong Credentials
- Chain-of-Custody Protocols
- Lack of Agency
- Controls on Free Assembly
- Proprietary AI

[https://en.wikipedia.org/wiki/File:Blade_Runner_\(1982_poster\).png](https://en.wikipedia.org/wiki/File:Blade_Runner_(1982_poster).png)



What is Self-Sovereign Identity?

- An identity only you **control**
 - DID and DID Method control the service endpoints - **public**
 - Service Endpoints - interfaces that can be dereferenced from a DID - **protected**
- Everything else is a (sovereign) **processor**
 - Nations and states
 - Courts and law enforcement
 - Hospitals
 - Schools
 - Vendors
- Control Models
 - Direct
 - Possession (wallets, platforms, data brokers)
 - Messaging Address (email, SMS)
 - Mediator (Sign-in with Apple email proxy)
 - Delegated
 - Agent (Authorization Server, UMA2 or G NAP)



W3C and DIF Protocol Work

- VC-HTTP API - access to digital credentials
- Encrypted Data Vaults - blind storage can't be censored
- Identity Hubs - person-centered storage
- DIDComm - message-level (not transport-level) security
- SIOP - self-issued OIDC OP

Is GNAP the “narrow neck” Minimum Viable Protocol?

Discuss Human-Centered Protocols

- How many authorization protocols does the Internet need?
- The problem with OAuth is lock-in and censorship (via client credentials)
- Self-sovereign and Fiduciary agents (both are important to human rights)
- How to detach “chain of custody” from verification (without biometrics)?
- Is GNAP the “narrow waist” of Self-Sovereign Identity?

PLEASE contact me to continue the discussion:

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HIE of One example implementation <https://github.com/HIEofOne/Trustee-Community>

NEED help implementing GNAP in FastAPI and Vue PWA <https://github.com/agropper/OGNAP>