DirectTrust™
An Asset for Federated Scalable Trust
A Membership Organization - A Trust Framework – and a Network

Over 100 members, 42 Accredited Organizations and a network connecting over 200,000 organizations
Who we are
A community with a history of supporting open and federated network operations

• An outgrowth of the Direct Project standards effort
  • Developed in response to challenges scaling trust in identity for push messaging
  • Consensus-based process by diverse stake-holders collectively maintain policies

• Today’s Status
  • 40+ accredited organizations operate our network
  • 2.2 Million identity proofed accounts at more 230,000 organizations
  • 290,000 of these accounts are held by consumers
What is the problem we are trying to solve?

Trust: “the intersection of hope and fear – we want the best but think the worst can happen”

• Allow for a secure yet scalable app economy - Trust in the security of apps will be essential
  • Where data is not sensitive, servers regularly allow the reuse of credentials from other domains today
  • Health data is more sensitive, and liability and fear of breach drives much more caution for provider organizations
  • Without this trust, new connections between clients and servers will be requested and accepted one-by-one

• Trusted Dynamic Client Registration and supporting processes
  • Organizational Identity proofing (who is this connecting?)
  • Evaluate processes for the identity proofing of individuals (certification/accreditation)
  • Mechanisms for periodic assessment and for revocation of rights in the event of compromise

• Allow for a portable credential
  • Reuse credentials rather than create new ones for each connection
WHO and the Nine-steps for scaling up innovation in healthcare

What strategic requirements can be fulfilled by a trust framework?

- A scalable innovation
- User Organization Capacity
- Environmental Awareness
- General resource capacity
- Vertical scaling strategies (institutionalization)
- Horizontal Scaling Strategies (replication)
- The role of Diversification
- Address (support) spontaneous scaling
- Enable self-service
- Leverage Existing Activities
- Allow for multiple players under the same framework
- Collaboration between non-profit stakeholders and Government
- An organization with the capacity to manage large scale activities and scale up
- Governmental Rule-Making and Industry Acceptance
- Provider organization acceptance of approach
- Oauth, UDAP, FHIR

https://www.who.int/immunization/hpv/deliver/nine_steps_for_developing_a_scalingup_strategy_who_2010.pdf
Leveraging DirectTrust as a Trust Framework for Scalable Trust

Demonstrated ability to operate and manage a federated network

• Accreditation and Policy
  • Accreditation process to accommodate growth
  • Workgroups manage a consensus process to maintain policies and compliance

• Organizational Identity Proofing
  • 13 Accredited CA/RA members

• Individual Identity Proofing of Providers
  • Trusted Agent Model utilizing antecedent artifacts
  • Enforced by contractual agreement and auditing

• Individual Identity Proofing of consumers
  • Pursuing a scale approach based upon trusted agents (Payer/Employers)
  • Will require an uplift in Payer approach to identity proofing