TRANSPARENT HEALTH

An emerging open-source software foundation dedicated to healthcare improvement via data fluidity.
Solving How Consumers Access their Data

Mark Scrimshire
TransparentHealth.org
<xmlUsed Value="False" />

{"json_used":True}
My data should be usable
Information Blocking is going to get expensive
It is not just your challenge!
Everyone can benefit

- Consumers
- Data Holders
- Developers
APIs bring solutions and Challenges
Simply Solving the Trust Challenge

Governance

Policy

Technology
Simply Solving the Trust Challenge

- CARIN Alliance Policy BluePrint
- Verification Registrar and Endorsing Entities
- POET and Dynamic OAUTH Registration
1. Apps get verified
2. Verifier issues app token
3. App presents token to dynamic registration endpoint
4. Data Holder validates token
5. App is given access to API or blocked
6. Consumer uses app and authenticates and authorizes data exchange
Win-Win-Win

- Developers get verified once (for each token)
- Data Holders have fewer checks to perform on Consumer Apps
- The Eco System of Verifiers can build a directory of Apps and Data Holders increasing confidence and discoverability for consumers
Next Steps

• The technology is built (Working Code)

• CARIN Alliance is developing Trust Framework/Governance blueprint

• Create the Registry and Verification entities

• Identify Launch Communities
>verify_jws_with_jwk.py ./4NRB1-0XZABZI9E6-5SM3R.jws poet.jwk
{
  "scope": "openid profile patient/*.read",
  "initiate_login_uri": "https://apps-dstu2.smarthealthit.org/cardiac-risk/launch.html",
  "exp": 1563657181,
  "iss": "example.com",
  "software_id": "4NRB1-0XZABZI9E6-5SM3R",
  "token_endpoint_auth_method": "client_secret_basic",
  "client_name": "Cardiac Risk App",
  "logo_uri": "https://gallery.smarthealthit.org/img/apps/66.png",
  "client_uri": "https://apps-dstu2.smarthealthit.org/cardiac-risk/",
  "redirect_uris": ["https://apps-dstu2.smarthealthit.org/cardiac-risk/"],
  "iat": 1500585181,
  "grant_types": ["authorization_code"]
}
Useful Links

• TransparentHealth.org

• Pre-OAuth Entity Trust API (POET)
  https://github.com/TransparentHealth/poet

• POET Reference Implementation (POET-RI)
  https://github.com/TransparentHealth/python-poetri

• Contacts:
  Mark Scrimshire - mark@ekivemark.com
  Alan Viars - aviars@videntity.com