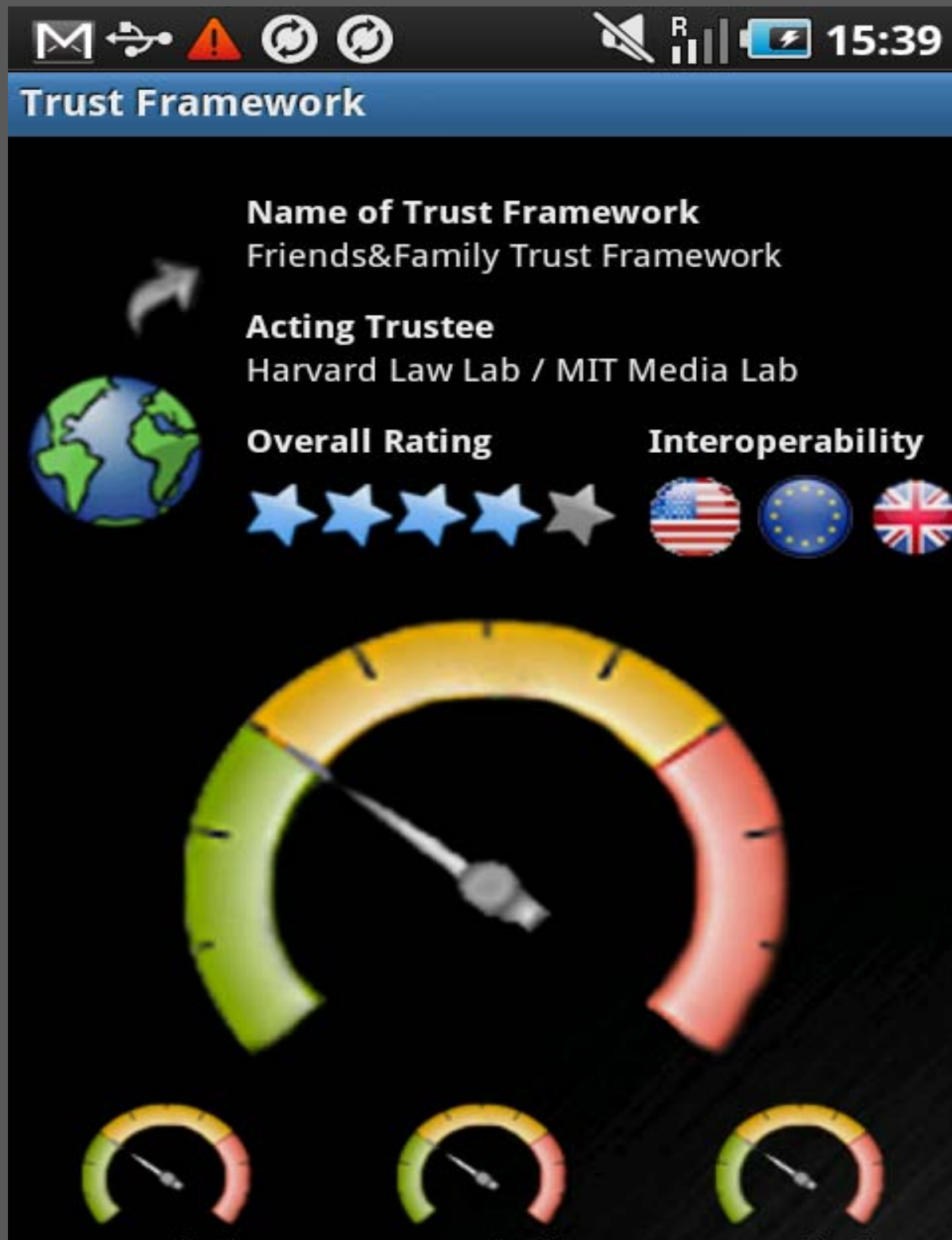




Project Mustard Seed: Mobile Trust Framework NSTIC Privacy Workshop MIT June 28, 2011 Cambridge MA.

John Henry Clippinger, Ph.D
MIT Media Lab, Law Lab Harvard Berkman Center

Visualization of Mobile Trust Framework



Trust Framework Governance

Level of Assurance, Level of Protection, Level of Control

Card Access Levels

None, Bronze, Silver, Gold

Privacy Technologies

Anonymized Aggregation, Zero Knowledge Proofs

Personal Data Store

Protected by OAuth, Data Encryption, Data Portability

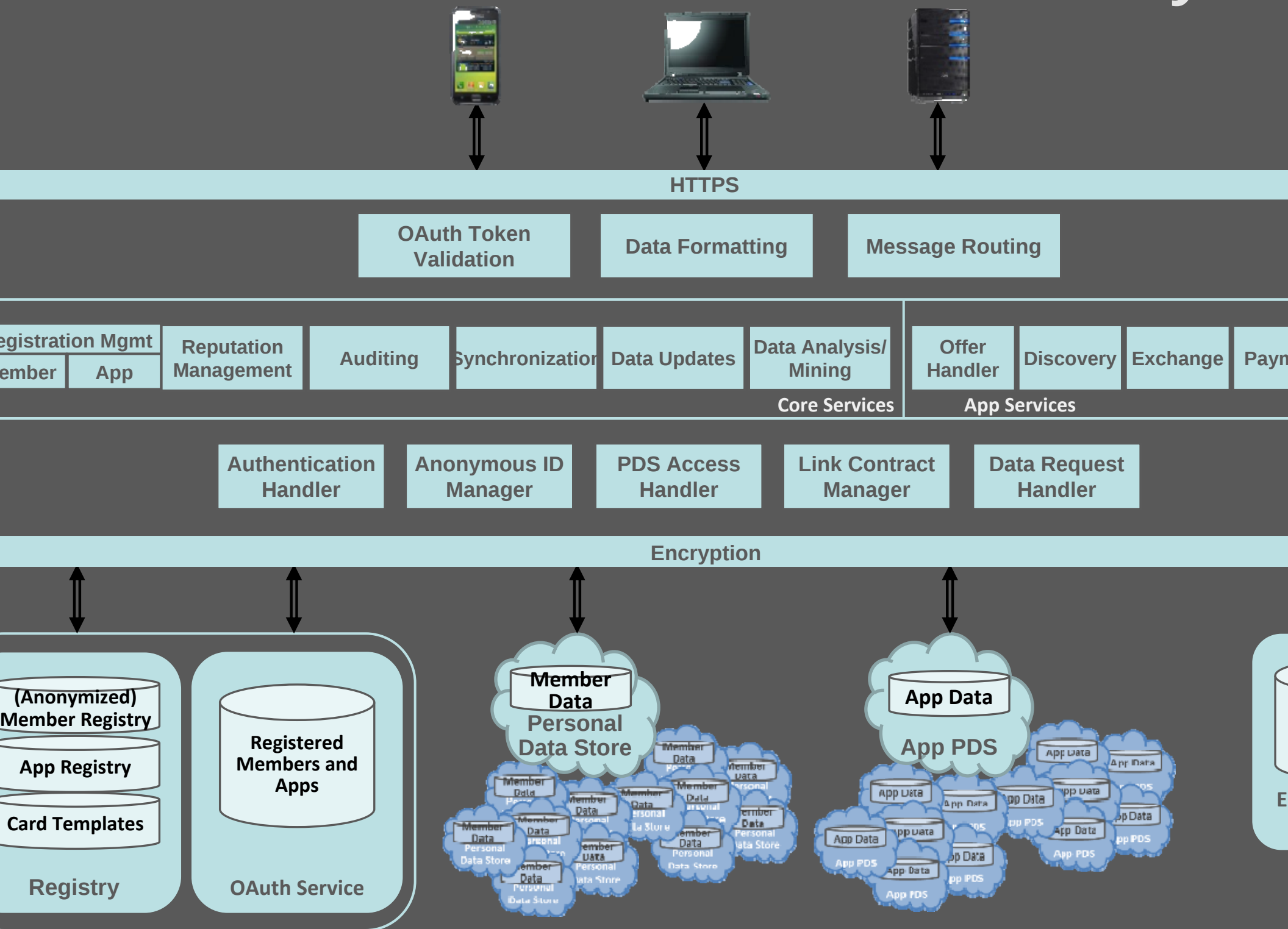
OAuth Tokens instead of Password

Encryption, Signature, Scope, Expiration

Hashed, Anonymized User ID

Cannot be traced back to users or devices

Fast Framework Architecture Layer



Framework



Personal Data Store
(PDS)



Private Social
Networks
(PSN)

EUR / USD

Bid

Ask

1.4502

1.4500

Sell

Buy

P2P Market
Exchange

Charter,
Rules and
Contracts
For Trust
Framework



Authenticated
Anonymity With
Single Sign On



Discover
Services &
"Trove" for
Making and
Receiving
Offers



Member
Reputation
Metrics



Digital Wallet
for Private
Social
Network



Risk Metrics
Meter

Available on
App Store

Store for
Registered
Data Driven
Apps



Jurisdiction
Interoperability

