Opportunities and Challenges for Standardization in Mobile Social Networks

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Key challenges

- Federation
- Scalability
- HTTP polling
- Long polling
- Discrete push connections
- Natively-mobile SSO
- Multifactor authentication (MFA)
- Identity management
- UX
- Realtime communication
- Roaming
- Capability exchange
- Intermittent connectedness
- Privacy
- Security
- Trust
- Data ownership
SNeW: Opportunities and Challenges for Standardization in Mobile Social Networks

- OpenSocial
- ActivityStreams
- OStatus
- OpenWeb
- OAuth2
- Host-Meta
- WebFinger
- OExchange
- PubSubHubbub
- Salmon

**Inherent mobility**
- auto-provisioning
- native contacts
- integration

**EU regulation-friendly**
- privacy by default
- right to be forgotten
- data portability

**Mobile Id SSO / routing**
- Native 3GPP / OMA mobility

SNeW: Social Network Web
And still, there’s more to do…

- Capability exchange
  - federation
  - privacy

- Activity Stream templates
  - 2D barcodes
    - scan-to-like!
  - NFC
    - tap-to-checkin!

- Augmented Reality
  - point-to-tag!

Privacy!
Privacy!
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- Resource usage
  - shared Push channels
  - XHR connection sharing
  - deferred XHR
  - Push capability disclosure

- SSO-enabling IdM
  - OpenId Connect + Mobile Id
    - MFA
  - MFA

- other technologies mentioned:
  - scan-to-like!
  - NFC
  - tap-to-checkin!
  - Augmented Reality
  - point-to-tag!

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