The Intel Identity Capable Platform
An Intel Research Project

Conor P. Cahill
Identity Architect
Intel Corporation
The Identity Capable Platform

Device/Computer

Operating System

Browser+

App(s)

Secure Partition

Identity Capable Platform

Identity Manager

iMID

MyBank.com

Wireless AP

© 2005 Intel Corporation
The Identity Capable Platform

- A trusted environment
  - An Identity Manager (IDMgr)
  - One or more Manageable Identities (iMID)
- Full lifecycle support for Manageable Identities
  - Provision, update, delete
  - Activate, deactivate
  - Serialize/deserialize
  - Portability
  - Over the wire/air as well as physical provisioning
- Policy controlled access and operations
  - Which user can access which iMID
  - What can be done with each iMID
Provisioning an Identity in the ICP

1. The Identity Provider registers the Identity to be provisioned at the Provisioning Service.
2. The Identity Provider sends a reference to the identity to the browser with instructions to send the reference to the Identity Manager.
3. The browser submits the identity reference to the Identity manager.
4. The Identity manager dereferences the identity at the Provisioning service and gets back the Identity.
5. The Identity Manager instantiates the Identity within the ICP.
How does Liberty Fit in?

- Liberty ID-WSF Advanced Client Technologies
  - Provisioning
  - Trusted Module
  - Reporting
  - Status: First public draft - today (on your USB keys)
- Robust Client work
  - Policies
  - Portability
  - Strong Authentication
  - Status: MRD done, TEG work starting

© 2005 Intel Corporation
More Information

- Web
  - http://www.projectliberty.org

- Email
  - Shelagh Callahan – ICP Principal Engineer
    - Shelagh.Callahan – at – Intel.com
  - Conor Cahill - ICP Architect
    - Conor.P.Cahill – at – Intel.com

- Blog
  - http://conorcahill.blogspot.com