OpenConext

Maarten Kremers - SURFnet
I2FMM12 - Philadelphia
OpenConext components

1. Federated IdM (SAML2)

2. Group management

3. OpenSocial API

4. Applications
• Identity Federations
  – SAML2
  – Attributes

• Guest identities
  – GuestID & OpenID based

• Groups
  – SURFteams & external sources
  – OpenSocial Group API
Concepts

• OpenSocial
  – Gadgets API
  – Social Data API and OAuth

• Gadgets
  – Gadgets provide 'presence' in campus or collaboration environment
Identity Federations

Hub-and-Spoke Model

Services

Institutions

Source: David Simonsen, WAYF
“Guest” Users

- Not a part of SURF(federation)
- International federations
- Other suppliers of identities
Groups
<table>
<thead>
<tr>
<th>Team</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cocoadev</td>
<td>COCOA Developers</td>
</tr>
<tr>
<td>maarten-test-group</td>
<td>Test for demo</td>
</tr>
<tr>
<td>Team NORDUnet</td>
<td>Team NORDUnet</td>
</tr>
<tr>
<td>utf8-test</td>
<td>utf8-test</td>
</tr>
<tr>
<td>vamp</td>
<td>Test for demo</td>
</tr>
</tbody>
</table>
OpenSocial?

• General purpose web integration technology ('Gadgets')
• Open 'Social Data' API for exchanging information on people, groups, activities, .. (Javascript and REST API)

• But also:
  – Lightweight, '2.0' complaint and 'Easy'
  – Open standard, browser based components
  – Vendor neutral & platform independent
  – Large user community → wide spread adoption
  – Uptake moving from Social Networks to R&E and Enterprise
OpenSocial - Social Data API

• Provides API for exchanging ‘social data’, e.g.:
  — People & Profiles (attributes)
  — Groups & Relationships
  — Activities & messages
  — Shared applications

• Authentication (OAuth)
OpenSocial, Groups & VOOT

• Retrieving “external” groups
• Subset of OpenSocial

• Groups from
  – Institutions
  – VOs (CoCoA)
  – Other group providers
Portal
OpenConext Sources

**Information**

http://www.openconext.org

**Github**

https://github.com/OpenConext