

Federated Directory Search

Use Case Number	SHA001
Use Case Name	Shared Service: Federated Directory Search (PeoplePicker)
Work Package	Shared Services
Stakeholders & Interests	<p>Federation User: Searching for information on other Federation members</p> <p>IdP Administrator: Configuring IdP "People Picker" web service component and ARPS</p> <p>PeoplePicker service deployed in the federation. The PeoplePicker software consists of</p> <ol style="list-style-type: none">1. a PeoplePicker client (e.g. stand-alone web application, or portlet)2. PeoplePicker Server (accepts queries/requests from client via Web Services interface and dispatches the query/request to IdPs as specified in the query/request)3. PeoplePicker Extension at each IdP. The "PeoplePicker Extension" Web Service software needs to be installed at the IdP. (It is anticipated that IdP administrators will need to be convinced that this Web Service presents no security vulnerability before IdP administrators are willing to allow IdP "PP Extension" component (web service agent) to be installed on the IdP).
Preconditions	<p>The PeoplePicker Federated Directory service should allow a Federation member to search for information on members in the federation by querying on surname or username.</p> <p>The PeoplePicker displays search results (Federation IdP members from a set of specified IdPs) and the searcher can select one result line to display a complete set of information (set of attributes to be defined) corresponding to the selected person.</p> <p>It is envisaged that attributes to be released are those that would be displayed via a HE institutions "Staff Search" interface on their</p>

corporate web-page.
For MQ, Searching on nwitheridge, the information is:

Witheridge Mr Neil

Formal Name: Neil Witheridge
Preferred Name: Neil
Position: Program Manager, MAMS
Personal Title: Mr
Telephone: +61-2-9850-6539
Fax: +61-2-9850-6527
Email: nwitheridge@melcoe.mq.edu.au
Other Email: neil.witheridge@mq.edu.au
Postal Address: MELCOE, Macquarie University, NSW 2109 Australia
Location: Building W6B Room 148
Organisational Unit: Macquarie E-Learning Centre of Excellence

Federation members able to conduct search for other federation members. Potentially different information depending on whether searcher is

Success Guarantee (Post-conditions)

1. anonymous
2. federation member (i.e. shibboleth authenticated) and
3. federation member and member of the same IdP as selected identity. The initial focus for development is on providing results for federation members (2) above.

Main Success Scenario (Basic Flow)

Federation member (Searcher) accesses Federation Directory Service URL
Log in via Shibboleth if not already authenticated
Configure IdPs to be searched (select from list of IdPs), specify timeout and maximum returns per IdP.
Specify surname or email address of user to be searched
PeoplePicker service performs search against Federation IdPs
If more than one result (e.g. surname search), multiple lines displayed with summary information (e.g. Surname, Firstname, Email address, Institution

Searcher selects one row to display comprehensive contact information on federation member.

**Extensions
(Alternate
Flow)**

TBD

Information elements corresponding to information available on university staff search results pages.

Combination of following will be required:

cn

givenName

sn

initials

title

mail

o

ou

postalAddress

street

st

postalCode

postOfficeBox

roomNumber

eduPersonAffiliation

eduPersonPrincipalName

eduPersonNickname

description

employeeType

jpegPhoto

telephoneNumber

mobile

facsimileTelephoneNumber

pager

physicalDeliveryOfficeName

Data Items

**Special
Requirements**

TBD

**Frequency of
Occurrence**

TBD

**Open
Issues**

Conducting security analysis to ensure this service doesn't provide inadvertant access to directories. Method of ensuring no risk of Denial of Service attacks on IdP.