

# PeoplePicker Project Report - June 07

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## Functionality Overview

### Background

PeoplePicker's (PP) core functionality is performing a query-based search against Federation Identity Provider directories.

(Shibboleth Identity Providers are configured with "Attribute Resolver" and "Attribute Release Policy" information which specify 1. which attributes are supported and where they are sourced from, and 2. which attributes are release to SPs on a users behalf, respectively.)

The initial release of the PP prototype included 'social networking' functionality: 'Contacts' and personal 'Profile & Privacy'. Contacts enabled the user to store other users' Federation identity information denoted as a personal contact and identified according to a certain classification e.g. 'buddy', 'business contact'. The Profile & Privacy functionality enabled the user to view their own identity as stored by their IdP and maintain and control access to a set of self-asserted attributes.

As the primary value of the PP to the federation is in performing federated search, the focus on functionality for the first release of PP will be the Federation directory search. Contacts and Profile functionality will not be provided.

### Prototype Deployment

The development host on which the latest PP service is running is:

<http://y11.mams.org.au/myppws> (note this is a development machine, hence access not guaranteed)

Choose: Testfed OpenIdP, login as staff:test

Figure 1. depicts the initial PP web page.

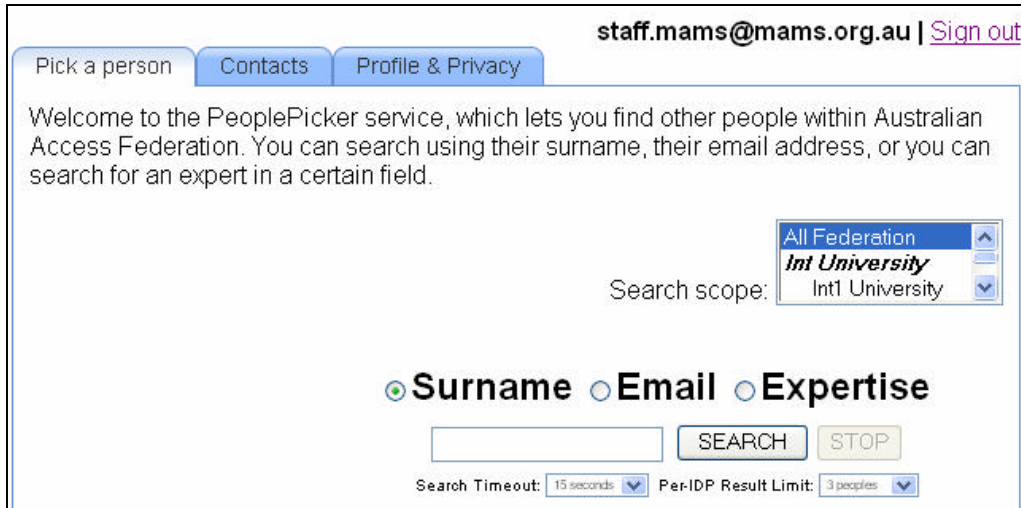


Figure 1. Prototype PP Interface

Figure 2. depicts the result of performing a search by surname.

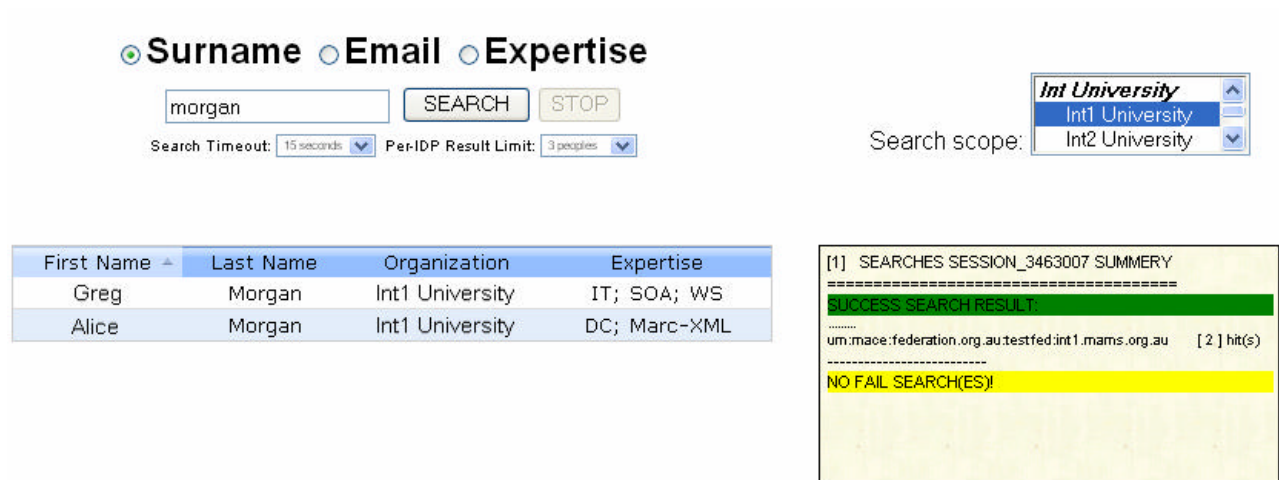


Figure 2. Search by Surname

Note the search configuration options:

- Search scope (IdPs to be searched)
- Search Time-out (time waiting for a response from an IdP before search is aborted)
- Per-IdP result limit (number of rows displayed for each IdP searched)

Note also the result statistics displayed (Search statistics summary).

Figure 3. depicts the display of user information:

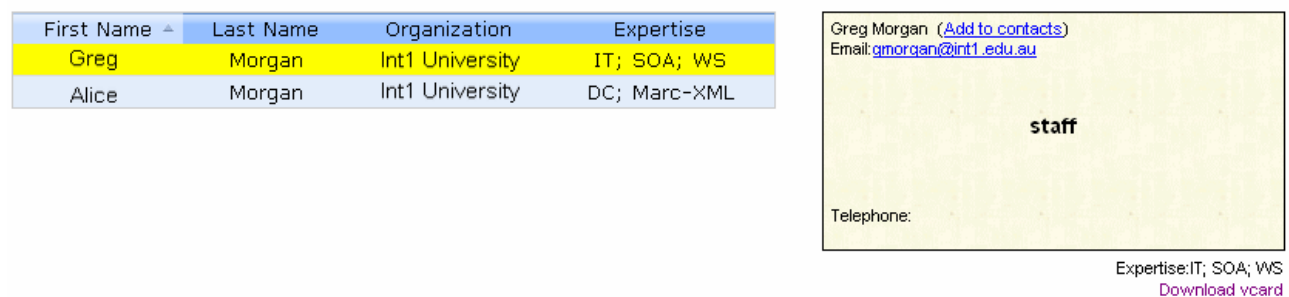


Figure 3. Display of User Information

### Deployment Scenarios

The PP is intended to be used as a standalone web application, as a portlet (for example integrated with MAMS' IAMSuite), or as a service accessible from other applications via a Web Services interface.

Hence a three-tier architecture has been adopted (see Figure 4. ).

The tiers are:

**PP Extension:** Web Service Agent running on each IdP that is to be searched. The PP Extension interacts with Shibboleth to read attributes and perform ARP processing.

**PP Service:** Web Service that accepts WS requests from the PP Clients and makes requests of the PP Extension at each IdP selected to search against.

**PP Client:** An example web application interface that providing the query-based search GUI (and other GUI features, for example those required to provide a Federated White Pages service).

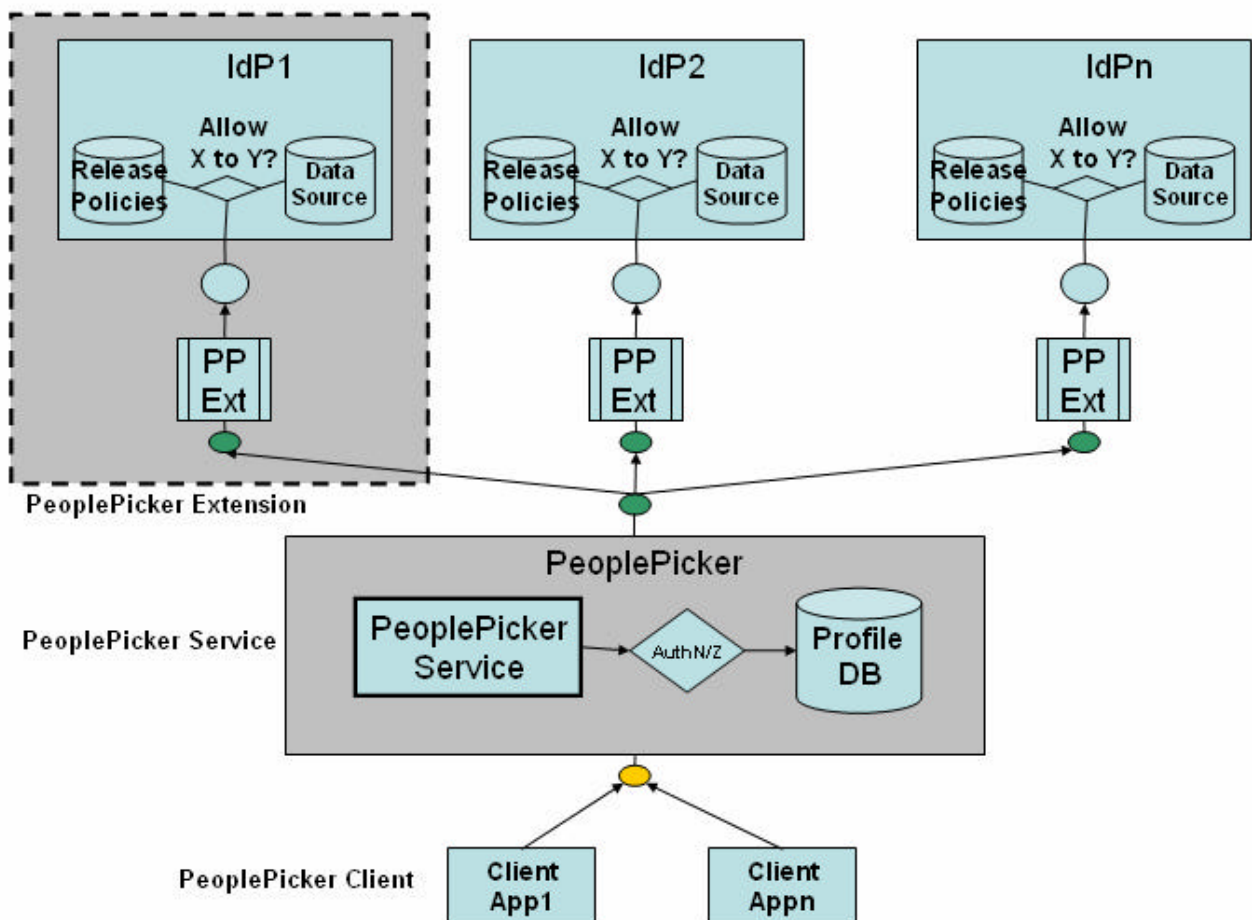


Figure 4. PP Architecture for Production Version

## Operational Version Focus

### Federation Directory Query-based Search

The focus of the operational release will be on the Query-based search. Contacts and Profile & Privacy functionality will not be delivered in the first operational release.

Refer to the "People Picker User Interface" document for a proposed GUI.

### IAMSuite Integration

The deployment of a portlet within the secure eResearch VO infrastructure MAMS is currently developing ("IAMSuite") will also be undertaken.

## Target Schedule

Target Completion	Description	Comment/Status
End June	3-Tier Architecture with Web Services Interfaces	On track for completion
End Aug	GUI Improvements (Search results, paging, etc.)	Requirements will be reviewed with eSecurity.
End Aug	IdP Denial of Service prevention	IdP "PP Extension" component functionality will be scrutinised.
End Sept	QA Finalised, Version 1.0 Release	Version1.0 is targeted to be available for pre-Production release of AAF.