



ORCID Integration Use Case Documentation

1. Use case name

LDAP/Directory

2. Institution name

Texas A&M University Libraries

3. Project goals and scope

When minted, the ORCID will be added to campus LDAP directory. The identifier will be added to the campus tamuEduPerson schema and will be available to directory enabled applications via Shibboleth. Shibboleth is used extensively at Texas A&M University and adding the ORCID to LDAP facilitates use of the identifier in a number of directory enabled applications. For this project, the initial consumer of the ID will be the campus electronic thesis and dissertation system, Vireo. Vireo utilizes Shibboleth for authentication and the ORCID will be returned in the payload. The ORCID will then be mapped into the submission process and preserved when the work is published to the institutional repository.

For this project, the ORCID is a researcher identifier only and will not be used as an authentication or authorization credential.

4. Is your organization willing to serve as a resource for other organizations pursuing ORCID integration?

Yes

5. Project personnel

a. Project leader for grant, Gail Clement, Principle Investigator

b. Douglas C. Hahn, Sr. IT Manager, dhahn@tamu.edu

c. Micah Cooper, Software Application Developer, jmicah@tamu.edu

6. System(s) involved.

Initial process will be using PHP scripts to mint initial batch of ORCID. Minted ORCID's will be stored in a local database, along with authorization tokens. The local database of ORCID's will provide a data extract that is consumed by campus LDAP for population of the campus directory. This application supports the larger "Creation of ORCID IDs for Graduate Students" project. Please refer to that use case for additional information.

7. Project timeline

Minting of ORCID's will begin in March, 2014 with LDAP integration beginning as soon as TAMU Central IT extends the LDAP schema

8. Project web page(s)

An agile development methodology is being used for this project with all cards and user stories saved on DI's internal VersionONE site.

9. Please identify the stakeholder groups within this project and describe the outreach/communications work your organization arranged in advance of implementation.

TAMU Libraries Digital Initiatives (DI) has worked closely with campus IT in defining the scope of this project. Computing and Information Services (CIS) is the campus IT organization and manages and maintains LDAP as well as the Shibboleth authentication system. DI will handle creation and management of the ORCID while CIS will provide support for the new LDAP entries and the extended Shibboleth payload. CIS is also working with the MACE-DIR to explore options for adding the ORCID to the EduPerson schema. Outreach for this phase of the project lies with the PI.

10. Please provide an overview of your communications plan as well as examples of your communications outputs, which may be adapted by other organizations for their integrations.

The overall communications plan for ORCID IDs will include this phase of the project and no separate communications for LDAP is planned. DI will facilitate sending a series of email messages to the target audience, all at the guidance of the PI. This communications plan is covered in the "Creation of ORCID IDs for Graduate Students" documentation.

11. Are you willing to share your source code? If yes, please provide a link.

Upon completion of the project, DI will make all code, programs and scripts available via its GitHub page.

12. Please describe how the project will support ongoing maintenance and support.

Initially, Vireo will be updated to include a link for requesting or claiming an ORCID. A separate application to support ORCID management on campus has been developed and will handle the interfaces to the directory. Once the ORCID is in LDAP, it will be managed just like any other attribute in the directory.

Supporting material and links.

- MACE-DIR working group site: <https://www.internet2.edu/communities-groups/middleware/mace-dir/>
- EduPerson Object Classes: <https://www.internet2.edu/products-services/trust-identity-middleware/eduperson-eduorg/>
- TAMU Directory Services: http://infrastructure.tamu.edu/directory/enterprise.html#tab_tab1

