Colorado State University Project Plan

Executive Summary

CSU needs a more efficient and effective means of managing external identities. By participating in the campus success program, we hope to leverage many TIER tools and utilities, as well as expertise from the campus success program participants to make significant progress in that regard.

Organization Description

Colorado State University is a public research university located in Fort Collins, Colorado. The university is the state's land grant university, and the flagship university of the Colorado State University System.

CSU's current enrollment is approximately 33,000 students, including resident and non-residents. The university consists of approximately 1,800 faculty in eight colleges and 63 academic departments. Bachelor's degrees are offered in 76 fields of study, with master's degrees in 57 fields. Colorado State confers doctoral degrees in 48 fields of study, in addition to a professional degree in veterinary medicine (28 total professional degrees).

In fiscal year 2016, CSU spent $332 million on research and development, ranking 47th in the nation overall, ergo our Carnegie classification as a Very High Research activity institution. Also in 2016, CSU set a fundraising record for a single campus in Colorado, raising $197.8 million.

Containerized TIER Component(s) to be implemented

- Shibboleth IdP and SP
- Grouper Access Management Software
- COmanage Collaboration Management Platform
- Entity Registry, such as midPoint

Short Management-Level Use Case Description of Your Project

A Colorado State University e-Identity (eID) has a limited lifecycle. An eID can be created when a person has an active affiliation with CSU. People applying for admission to the university, active students, faculty, staff and associates are all considered members of the CSU community and are eligible to create an eID, which includes issuance of a CSU-provided email address. When a person is no longer affiliated with the University, eIDs enter an expiration cycle where the identity is active for a limited time and will eventually be disabled.

More and more, people outside of the defined CSU member population need access to a limited set of protected resources via the network and/or web. We have identified three application development activities as part of our overall campus success program project (University Advancement, Parent Access and Access to Records for Former Students).

Scope

At the end of this project, the three development activities mentioned above will be integrated into COmanage, using social-SAML gateway services from Cirrus Identity and account linking functionality built into COmanage.

Key Stakeholders

Sponsor	Pat Burns, CIO and Dean of Libraries
Campus Success Program Contact(s)	Scott Baily, Director, Academic Computing & Networking Srvcs. Scott.baily@colostate.edu, 970-491-4412 (office, direct)
Communications contact	Katie Banghart, Communications Specialist
Project manager	Dave Hoffman, Senior Project Manager
Project team members	Randy Miotke, Middleware Architect Jeff Ruch, Middleware Developer
Deployment Partners/Contractors	[name]

Project Milestones

Activity	Assigned Resources	Start State	End Date
Test Environment Setup and working	Randy/Jeff		9/15/2017
Setup COmanage V3 in Production	Greg Vogl	10/9/2017	11/3/2017

Create New LDAP Infrastructure with Grouper and EDUPerson Directory data	Jeff Ruch & Randy Miotke	11/6/2017	1/12/2018
Test COmanage Invitation process	Greg Vogl	10/23/2017	10/27/2017
Test COmanage Matching Process	Greg Vogl	10/23/2017	10/27/2017
Test COmanage Collaborative Organizations	Greg Vogl	10/23/2017	10/27/2017
Document Services	Middleware Team	12/1/2017	12/31/2017
Create COmanage Data Integration with HR and Student Systems	Greg Vogl & Jeff Ruch	11/6/2017	11/17/2017
Go Live			1/16/2018

Synergistic Projects

Research Data Storage Project depending on New LDAP Infrastructure and NIS Schema

Constraints, Assumptions, Risks and Dependencies

Constraints	Resource Availability with other new projects and priorities
Assumptions	Containerized versions of Grouper and COmanage are straightforward to implement and maintain
Risks and Dependencies	Don't meet target date of 1/16/2018. Next opportunity for Go Live is spring break Other competing projects take priority over this.