Colorado School of Mines

Challenges implementing Grouper, midPoint and Docker

Matthew B. Brookover
Existing IAM System

• Deployed in March 2015
• Support Role Based Access Control (RBAC)
• Configure with groovy, Java, Perl, and power shell — Its flexible, but can be difficult
• BEIS feeds SPML from Banner to IAM
• Vendor went out of business in April, 2017
Goals for CSP

- Install Grouper and midPoint
- Provide same functionality as existing system
- Use TIER Docker containers
- Contracted with Unicon for DevOps environment
Banner Integration Working Group

• Looked at Ellucian’s Ethos
  • RESTful API to access Banner
• Looked at Banner schemas from 4 schools, map to TIER minimal person
• Working on a how-to guide to integrate Banner and midPoint
• Discussed needs for self-service
How far did we get?

• DevOps in place for development work
• Worked out most details for a set of Banner database views for midPoint and Grouper
• Learned a lot about Grouper and midPoint
• Mines project is a work in progress