PATTERNS IN CLOUD IAM

Case Study of IAM in the Real World

DAN MALONE
Identity Management Architect
Cal Poly - San Luis Obispo
Cal Poly
SAN LUIS OBISPO

9,678 acres of land-holdings in support of education
230 miles South of San Francisco
200 miles North of Los Angeles
10 miles from Pismo Beach/Pacific Ocean

19,000 Students
1,400 Faculty
2,000 Staff
52,000 Applicants

1901: California Polytechnic School
1937: California State Polytechnic School
1947: California State Polytechnic College
1972: California Polytechnic State University

1960: Became part of California State University system
19,000 Students
1,400 Faculty
2,000 Staff
52,000 Applicants
9,678 acres of land-holdings in support of education
230 miles South of San Francisco
200 miles North of Los Angeles
10 miles from Pismo Beach/Pacific Ocean
1901: California Polytechnic School
1937: California State Polytechnic School
1947: California State Polytechnic College
1972: California Polytechnic State University

Los Angeles
each/Pacific Ocean

20,000 Students
1,400 Faculty
2,000 Staff
52,000 Applicants

Part of California State University system
9,678 acres of land-holdings in San Luis Obispo
230 miles South of San Francisco
200 miles North of Los Angeles
10 miles from Pismo Beach/Pacific Ocean

| 1901: California Polytechnic School |
| 1937: California State Polytechnic School |
| 1947: California State Polytechnic College |
| 1972: California Polytechnic State University |

13,000 Students
1,400 Faculty
2,000 Staff
52,000 Applicants

1960: Became part of California State University system
23 Campuses and Chancellors Office

446,530 Students
22,276 Faculty
22,088 Staff

23 Very Independent Campuses and the Chancellors Office
A committee was formed!

1999
Directory Working Group

2003
Middleware Steering Committee

Identity and Access Management Technical Architecture Group

Regular Conference Calls
Annual In-Person Meetings
Not every campus is the same

FBS
- bulldog
- San Diego State
- San Jose State

FCS
- Cal Poly Mustangs
- Sacramento State Hornets

Div II
- Humboldt State Jacks
LDAP Recipe

Each campus needs an LDAP directory

Standard attribute definitions

Put all people in the same bucket
Directory of Directories
DoDHE

LDAP Recipe
- Each campus needs an LDAP directory
- Standard attribute definitions
- Put all people in the same bucket

We need a CSU wide faculty/staff search
eduPerson objectclass

We need common attributes
calstateEduPerson
System wide applications
Each campus must join InCommon = 25 IDPs
CSU Connect Federation
CSU Discovery Service
PATTERNS IN CLOUD IAM

Case Study of IAM in the Real World

DAN MALONE
Identity Management Architect
Cal Poly - San Luis Obispo