TIER Provisioning / Deprovisioning

• Latent provisioning in (and around) TIER:
  – Grouper
  – COManage
  – Midpoint

• TIER Provisioning Philosophies
  – Functional overlap is ok – look for best fit in the environment
  – Be pluggable and loosely coupled
  – Be event / interface driven
  – Look at authorization as grouping function
  – Keep provisioning lightweight (and via standards where possible)
TIER – Data-Driven Authorization and Provisioning

Course Repository

Person Repository

Data-Driven Groups

basis:courses

CS101
CS102
ACCT101
ACCT102
MATH100
MATH102

ref:affiliations

All Students
CS Students
CS 101 Students
Includes
Includes
All Faculty
CS Faculty
CS 101 Faculty

app:canvas

Canvas Students
Canvas CS Students
Canvas CS 101 Students

Canvas Faculty
Canvas CS Faculty
Canvas CS 101 Faculty

Canvas Instance

CS 101 Course
Students
Faculty

Institutionally Meaningful Cohorts

Enterprise Access Control Policy
TIER Provisioning Demo – SIS to Canvas via Grouper and Messaging

- LDAP
  - Authentication
  - Grouper Loader
- Shib IdP
  - SAML Attribute Release
- Shib SP
- Portal
  - Dynamic access control viamemberOf attributes
- Grouper
  - AMAQP Messages:
    - Group changes
    - Membership change
  - Grouper REST Web Service Queries
- RabbitMQ
  - Change events
- Canvas Provisioner
  - REST API
- Canvas
  - Users, courses and enrollments populated via REST API
- SIS
  - Student / Course Data
Try it at home!

- 2017 TechEx Demo Available Here:
  - https://github.internet2.edu/TIER/canvas-demo-techex17

- 2017 Global Summit Demo Available Here:
  - https://github.internet2.edu/TIER/gs17-provisioning-demo

- Community Library in Box to find all Demo Slides