



Federated Applications: Issues and Highlights

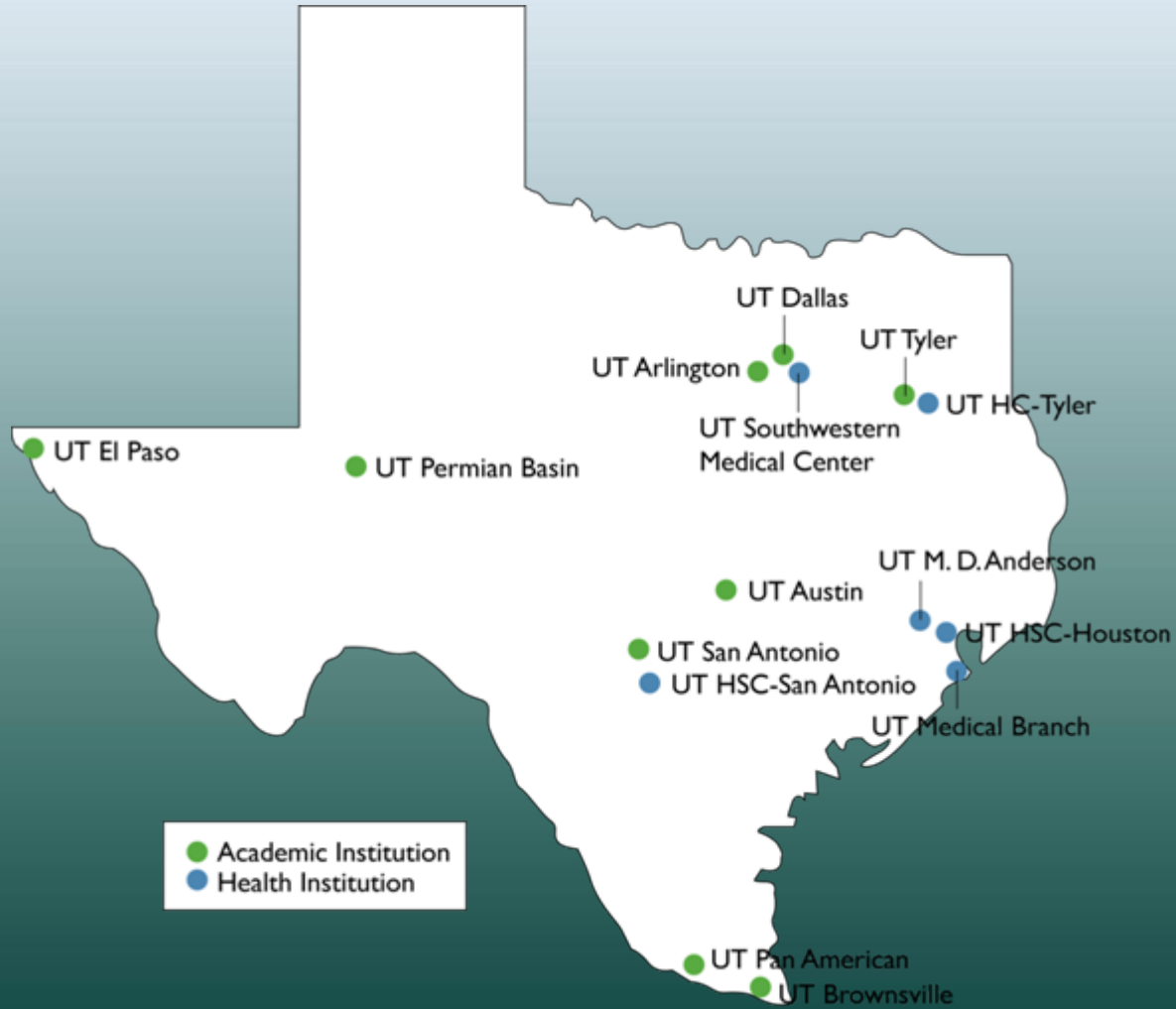


TERENA EuroCAMP, 7 May 2008

Paul Caskey
Technology Architect
The University of Texas System
(pcaskey@utsystem.edu)



Background



Background (cont.)

- Nine academic universities
- Six health institutions
- \$10 Billion Operating Budget (FY 2007)
- \$1.7 Billion in research
- More than 80,000 employees
- More than 190,000 students enrolled
- Educates more than one-third of the state's undergraduates
- Educates nearly three-fourths of the state's health professionals

Background (cont.)

- Began Identity Management Initiative in Spring 2004
 - Collaboration, Security, Resource sharing
- Shibboleth Install-Fest in September 2004
 - 7 production IdPs in 'pilot' federation, all 16 within 1.5 years
 - Federated wireless at System Administration as 1st app
 - Monthly Financial Reporting (new version) as 2nd app
- Began policy development work (MOP, FOP, etc)
 - <https://idm.utsystem.edu/utfed/>
- UT Federation was official and legal on 1 Sept. 2006
- Future: Inter-federation, government-based federation, and, of course, more apps
- Roadmap:
<https://idm.utsystem.edu/IdentityMgmtpage4.pdf>

Applications

- Currently have ~30 applications deployed across the UT Federation
- **Administrative Apps**
 - Financial reporting
 - Project reporting
 - Legal tracking
- **Collaborative Apps**
 - MediaWiki (demo)
 - Sharepoint (demo)
 - Pediatric forensics (FACN)
- **Educational Apps**
 - Blackboard (demo)
 - Compliance training (Adobe Connect)
- **Networking Apps**
 - Wireless at System Administration
 - Network device access/SSH (demo)
 - Evaluating ShibNAC (Cisco / 9StarResearch)
- **External Services**
 - Cayuse
 - MobileCampus
 - Several others being negotiated now!

Local accounts

- Provisioning
 - Auto (Bb, Wiki)
 - Self-created (Cayuse, ISAAC)
 - Workflow/Manual
- Maintenance / management
 - Role changes
 - Terminations / Archival
 - Information updates
- *ApplicationAdmin* web app

Attributes / authorization

- **Identifiers**
 - eduPersonPrincipalName?
 - eduPersonTargetedID?
 - Permanent versus re-usable
 - Opaque versus non-opaque
- **Affiliations, Entitlements, etc**
- **Consistent attribute definitions**
 - What is a student/faculty/etc?
- **Usage policies**
 - What does it take to be in a certain group? Who approves it?
- **Provisioning / management**
 - How and when is this information updated? Is the process automated?
- **Level of Assurance / Identity Assurance Profile**
 - Who defines the levels? Who verifies compliance?

Demonstrations...

- Blackboard

- http://library.blackboard.com/docs/r6/6_1/admin/bbls_r6_1_admin/shibboleth_integration.htm

- MediaWiki

- http://www.mediawiki.org/wiki/Extension:Shibboleth_Authentication
- http://www.mediawiki.org/wiki/Extension:Shibboleth_Authentication_Plus

- SSH

- <http://www.freeradius.org/>
- <http://www.unixodbc.org/>
- http://www.appgate.com/products/80_MindTerm/

- Sharepoint

- <http://www.gstarresearch.com/products/products-asfs2007.html>



Thank you!

Paul Caskey
Technology Architect
The University of Texas System
(pcaskey@utsystem.edu)

