



Why Identity Management & Federations

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The computer lab



Image URL: http://www.fox.temple.edu/cms_about-fox/technology/it/resources/computer-labs/

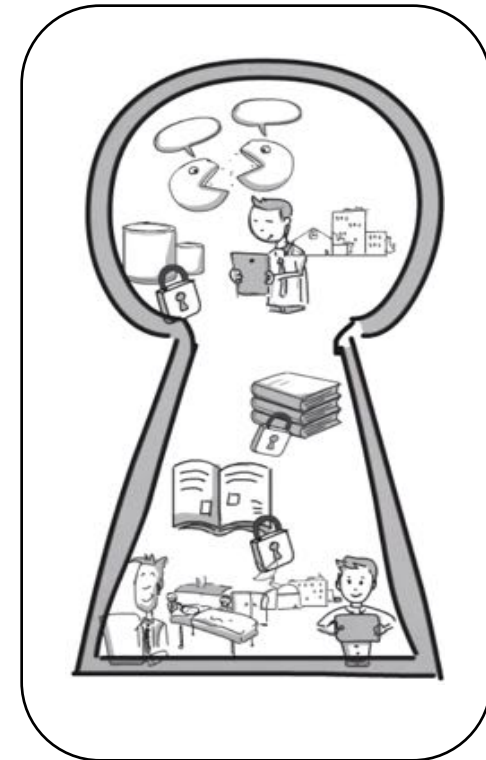
The Situation on Campus: Lots of Applications



- Applications for students and researchers
- Applications require authentication and authorization

Identity Management...

- A solution to the exploding password systems
- Don't create "one more" in the hope that I will become "one less".
- Pick an existing one
 - `/etc/passwd`
 - Library Management System
 - Student Enrolment System
- Pick tools that match your skillset



More than one choice is good...

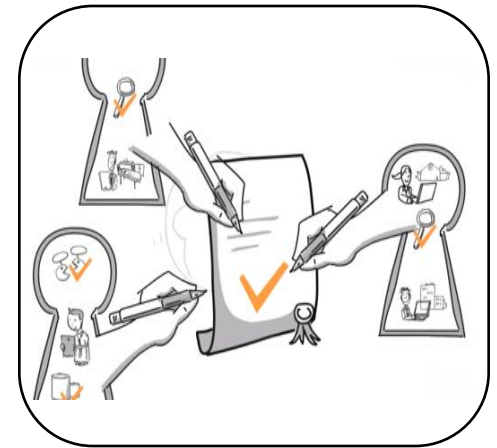
- [simpleSAMLphp](#)
 - PHP
 - Multi-lingual support
- [Shibboleth](#)
 - IdP is Java, SP is C/mod_shib
 - Runs within Apache Tomcat/Java
- [PySAML2](#)
 - Python



- Benefits are greater than using LDAP.
- Many plug-ins or modules available for common tools.

What NOT to focus on?

- Waiting until ...
 - NRENx has their federation in “production”.
 - NRENy is a member of eduGAIN.
 - A “killer app” is found.
- “Other” or Future Federation Technologies
 - OpenID Connect + OAuth are being explored.
 - Hub & Spoke gateways already exist.
- Policy vs Technical
 - You can focus on one (or the other, or both).



What to focus on?

- Federating your campus systems
 - Talk to your researchers, staff & students
- Investigate key services
 - Intranet and Website
 - Webmail
 - Google Apps for Education, Microsoft 365
 - e-Learning – Moodle, Desire2Learn
 - Talk to your librarian about Journal Access
- Find your own “killer app”.

