

New person from institutional source, midPoint variant

- midPoint would be fed "System of Record" (SoR) data over SCIM RESTful APIs
 - a. First iteration will rely on the self-registration UI already running in the original testbed VM as the demo System of Record.
 - b. For now we will use a midPoint "connector" that maps from SCIM to native midPoint RESTful APIs. The connID framework will be the basis for building connectors. Eventually we expect midPoint to speak SCIM natively.
- midPoint would be configured to provision person information into LDAP (using its delivered LDAP connector)
- Grouper would be configured to use midPoint as a person subject source (using either a to-be-developed a SCIM-based Subject API implementation or LDAP or SQL)
 - a. Hook up the PSU SCIM server?
 - b. Overhead of REST...killer? LDAP/SQL as subject source is faster (and can be tuned)
 - c. Grouper assumes millisecond-level responses, if API is 200 milliseconds, that's not gonna fly; with SQL, searches are slow over 800K, with a text string
- Provisioning rules in midPoint would also use SoR data to determine which "base" or "reference" groups people belong to (faculty or student in this scenario)
 - a. Idea or role based group is different than service eligibility groups.
 - i. E.g. consider "faculty" category - could have different definitions amongst business/enterprise vs. academia (for example, professors emeritus might not be considered faculty by businesses)
- Use the delivered Grouper UI to create and manage membership of groups other than the base set.
- Person attributes and group memberships would be reflected into LDAP from midPoint and Grouper respectively. Might allow access to Grouper, LDAP and SQL
- To construct attribute assertions, the Shibboleth IdP will pull attribute values from one or more of LDAP, midPoint and Grouper (design decision point). UDub: LDAP and Group API; Hawaii: LDAP; UW-Madison: LDAP, HA Database (groups are filtered per SP)
- The demo web-SSO "LMS" application will be a simple web app running on an Apache httpd server on paths protected by a Shib
- Configure the sample Service Provider application to use Shibboleth as its Web SSO mechanism
 - 2) Configure requested attributes element on Shib session protected endpoints, ask for displayName and isMemberOf
 - 3) Have registered users browse to the protected application
 - 4) Users authenticate at their IDP
 - 5) Depend on LDAP for the initial user authentication behind the IDP, Release attributes X, Y, Z to the SP application
 - 6) If authenticated user isMemberOf the Instructor Group, show a hello {name} "Course Design" page
 - 7) If authenticated user isMemberOf the Learner Group, show a hello {name} "Course Catalog" page

Include/exclude, Eligibility and Authorization Groups also have a part to play. Check with Bill Thompson

[Keith] Create midpoint.testbed.tier.internet2.edu dashboard with LDAP info, MySQL info, etc. as shared cheat sheet for multiple developers.