

Pitch for community engagement (outline)

Provisioning and Integration (P&I) challenges are urgent across HE & R communities

- P&I projects are everywhere
 - New open source registry deployments (CPR and OR) at multiple institutions are anchor tenants for IAM infra and must be wired in for P&I
 - Grouper deployment projects abound, driving new models of managing service eligibility
 - Numerous campuses are on verge of deploying major commercial offerings in this space (OIM, etc.)
 - Meanwhile CManage, CoCoA and SURFconext packages are targeting Research VOs (complementing institutional focus elsewhere)
- HE & R community can take full advantage of the range of current activity *IFF* we
 - Articulate a common functional framework within which we can discuss P&I use cases and requirements (in progress)
 - Capture use-case driven requirements across an identified set of projects
 - Document solutions emerging from these projects
 - Highlight successful aspects of specific projects to guide next round of institutional or VO projects
- We already have adequate resources to *shepherd* this work (additional resources would accelerate progress)

What's in the Open Source P&I tool chest today?

- Change-driven messaging from identity registries (CPR and OR) and Grouper
 - ActiveMQ in CPR, explorations w Grouper (including SCIM)
 - Amazon SQS, SNS as alternatives to ActiveMQ for queuing and notifications (UDub)
 - Camel routes in OR (Camel: runnable/configurable Enterprise Integration Patterns)
- Feeding the Identity Registries from the Systems of Record
 - Batch approach for OR (Rutgers own and Unicon-developed Spring Batch for UC Berkeley OR)
 - Batch and API approaches to SOR integration in CPR
 - CIPHER SOR-to-Registry APIs
- RESTful push/pull APIs from registry (CIPHER)
 - SCIM flavor for cloud services & similar cases
- Provisioning engines
 - OpenIdM (ForgeRock) investigations at CPR & Stanford
 - Shareable connectors for specific provisioning targets
 - Extension points:
 - Camel "routes"
 - Activiti for workflows involving humans
- Investigation/Experimentation stage:
 - ESB: Mule
 - Rules engine: Drools