

OpenRegistry

at Simon Fraser University



In House to Open Source

- **Jeremy Rosenberg**

- Senior Java Developer
- At SFU since 2004
- IdM Strategy
- Jasig Open Source Contributor



About Me

- One University - Three campuses
 - Burnaby
 - Surrey
 - Vancouver
- 32,000 students
- 900 faculty
- 1600 staff
- 100,000 alumni



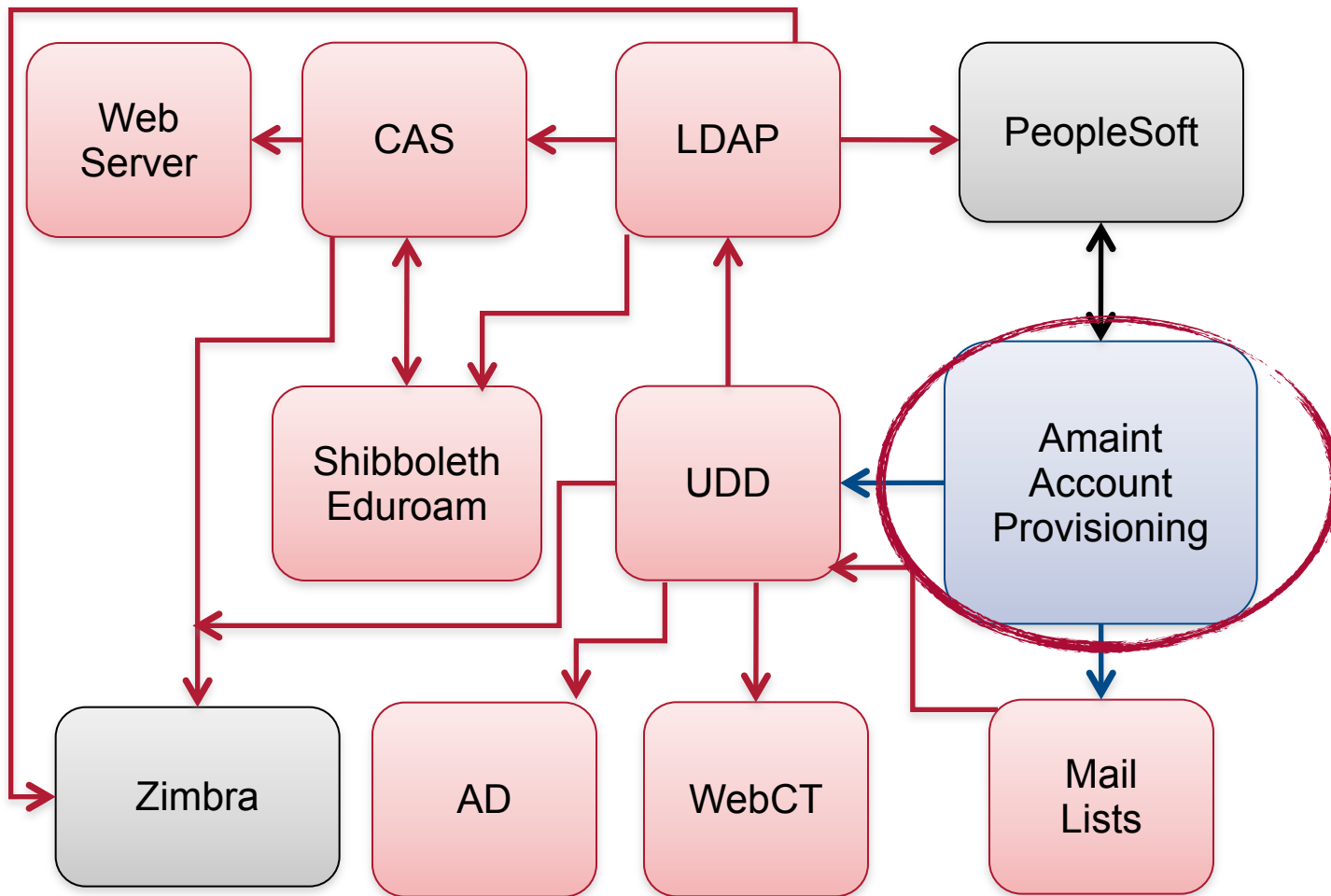
Simon Fraser
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About SFU

- SFU's legacy identity management solution
- How OpenRegistry Project came about
- How OpenRegistry works
- Benefits SFU expects from OpenRegistry
- How SFU plans to develop and deploy OpenRegistry

About This Presentation



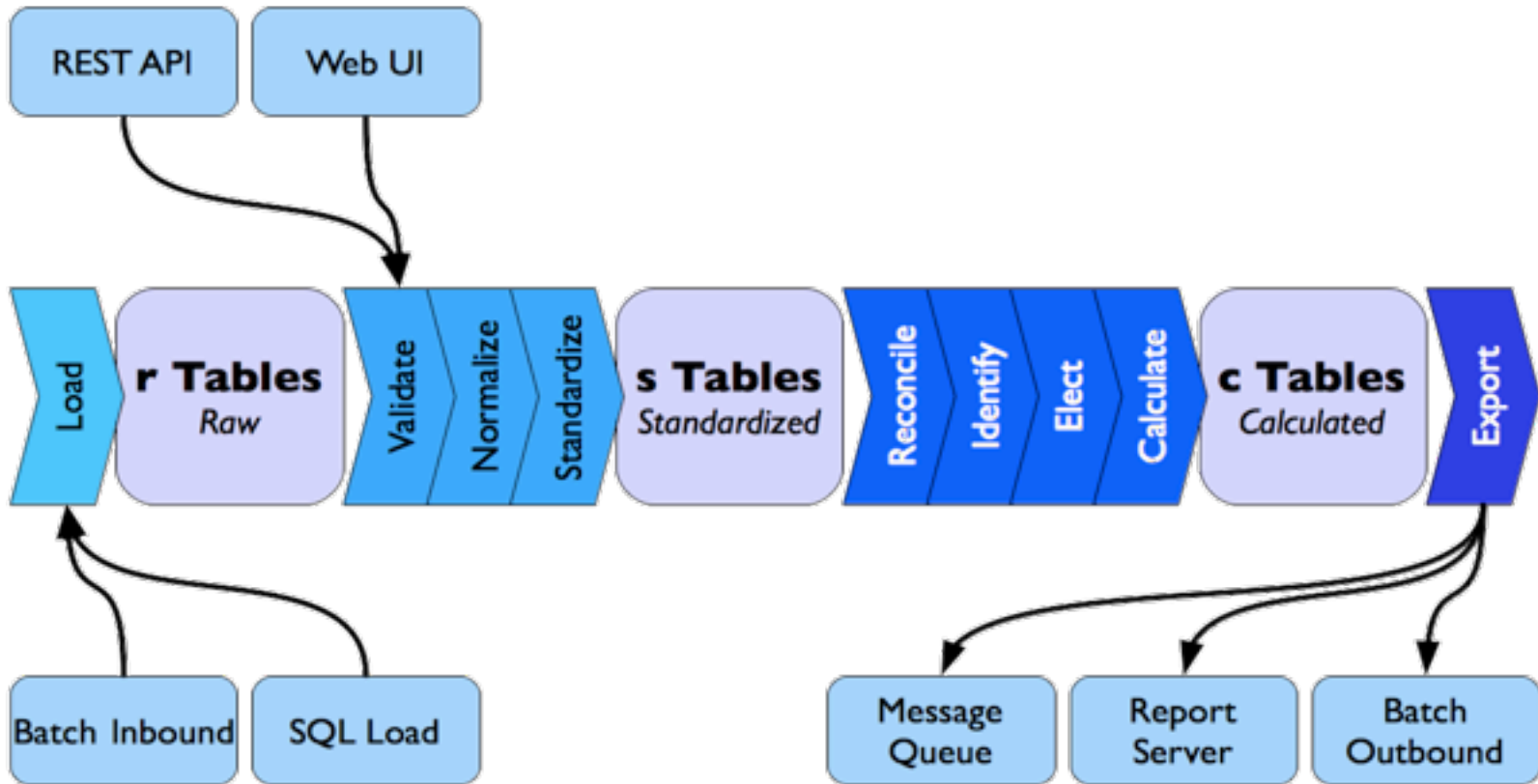
SFU's Legacy IdM Layout

- Open source software application
 - Initiated by Rutgers University
 - Jasig Incubation project
 - Combines information about people in a University into single identity records
- Generally NOT authoritative for data
- Web, batch and REST interfaces with Systems of Record
- Directory Builder
- Provisioning and Deprovisioning

What is OpenRegistry?

- “Off the shelf” solutions require significant customizations and integration work
- Lots of institutions still rolling their own
- Leverage scant resources and learn from others' experience
 - Sakai, uPortal, CAS, Shibboleth, Quali
- OpenRegistry is tailored to the needs of higher ed
- Decades of combined experience

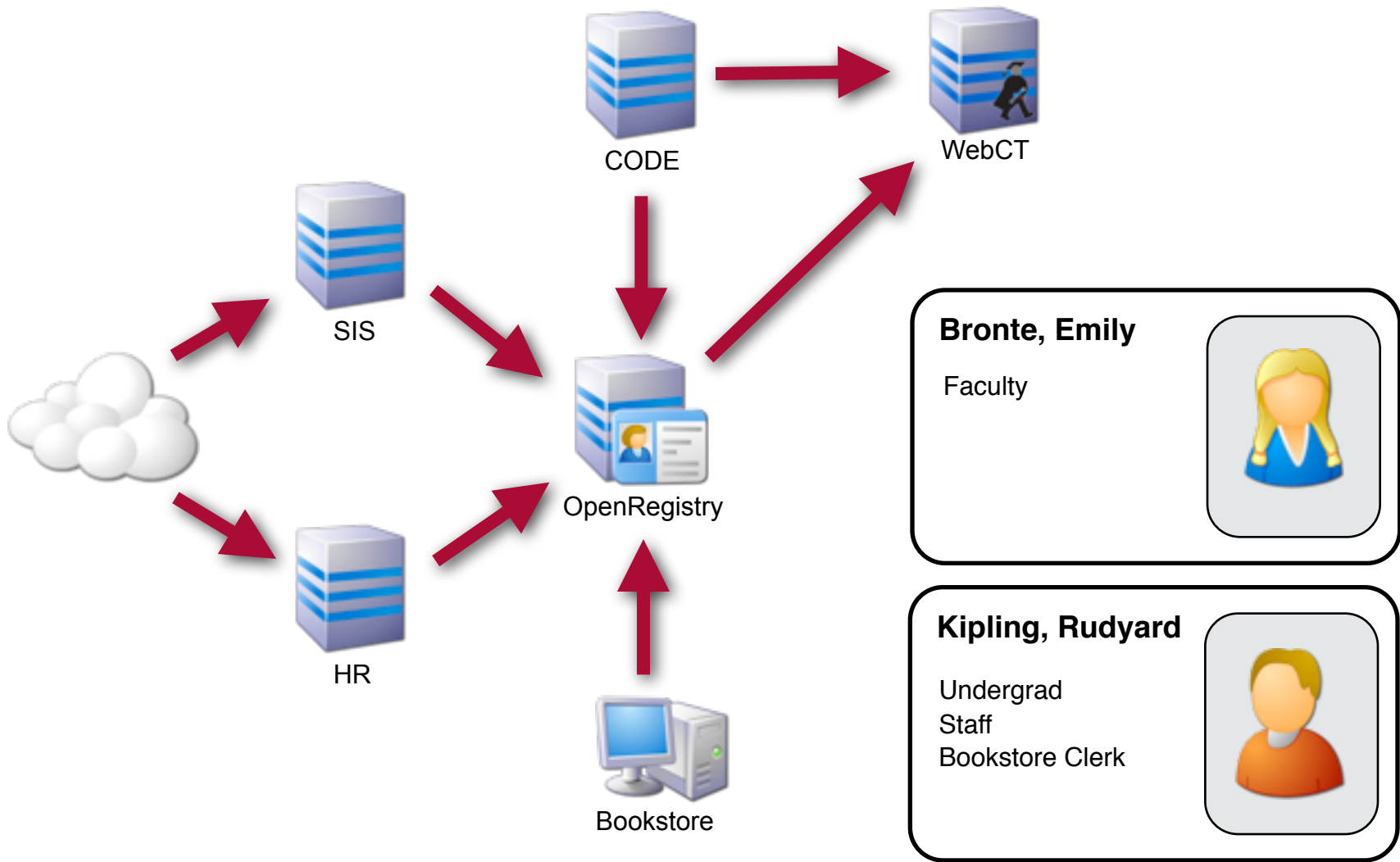
Why OpenRegistry?



How does OpenRegistry work?

- Capture information about *all* university populations
- Real Time data transfer readiness
- Role based access controls
- Modern user interface
- Definitive user directory
- Business Rules based data transformations
- User settable privacy settings
- Comprehensive audit trails
- Better user experience for everyone

What's in it for us?



Capture all university populations

- Faster updates throughout the University
- SOAP services
 - Widely used by commercial solutions
 - Easily exchange identity information with black boxes
- REST services
 - Lightweight
 - Ideal for Ajax applications
 - Growing popularity

Real Time data transfer readiness

- Current Roles:
 - Staff, Faculty, Grad, Undergrad, Other
- Additional roles need to be assigned by Systems of Record (departments)
- Potential Roles:
 - Archaeology professor
 - Office Administrator
- Allows things like building access based on roles

Role based access controls

- All Web 2.0'd up
 - jQuery libraries
- Skinnable
 - Customize look and feel for each institution
- Apache Tiles
 - Provides extensible, reusable components
- Spring WebFlow
 - Allows complex, custom workflows

Modern user interface

- HR can only track a limited amount of information
 - Details are quickly out of date
 - HR not the authority for offices or phone numbers
- Roles provided by departments can have:
 - Phone Numbers
 - Office Numbers
 - Campus Information
- Information captured from the most accurate source

Definitive user directory

- Provide end user interface
- Anybody can verify their personal information
- User can set access limitations for:
 - Public directory listings
 - Other systems of record (for fast lookup)
- Self service activation and username selection

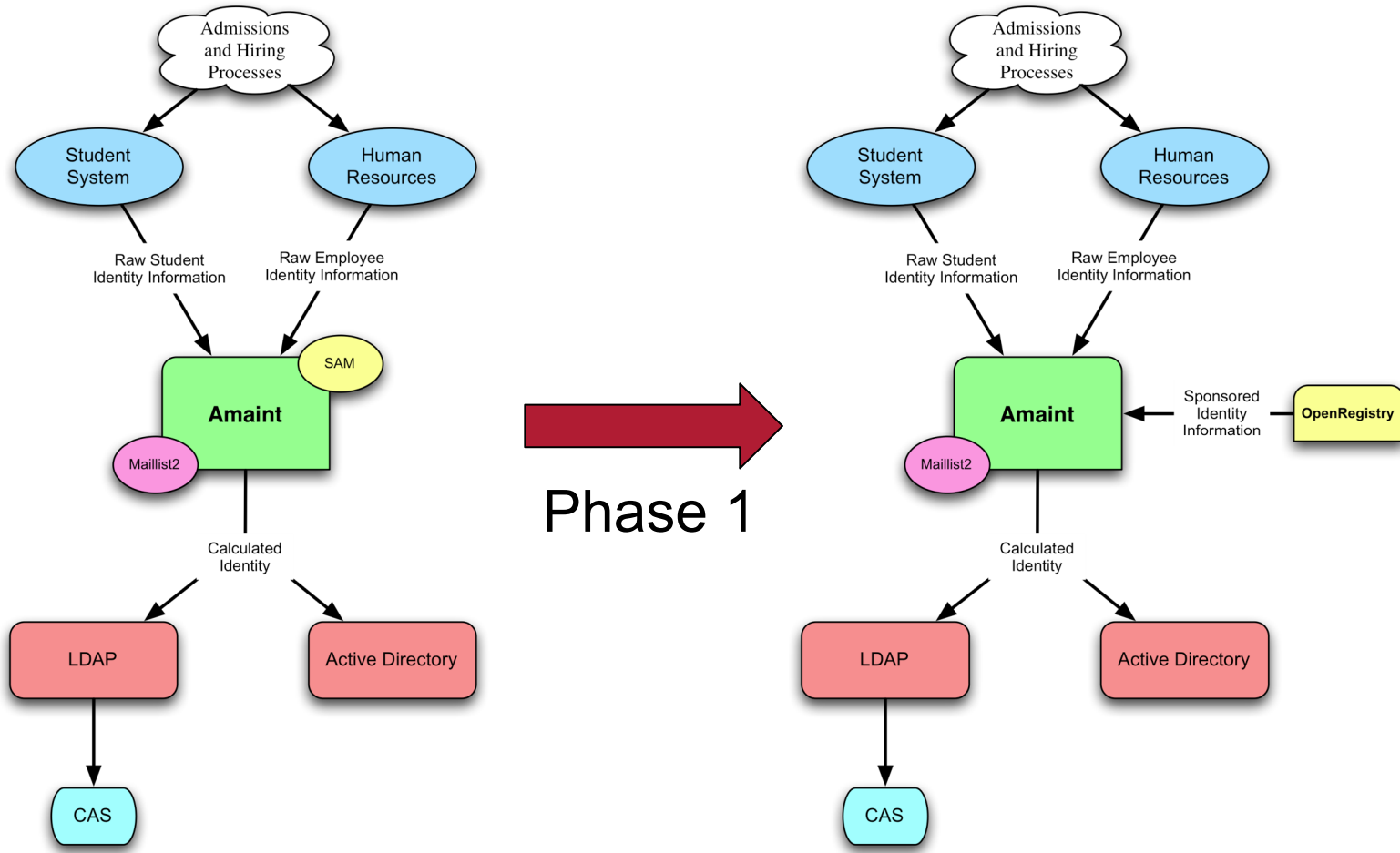
User settable privacy settings

- Distributed access to the system requires greater audit capabilities
- Logging will track account changes
 - Who made a change?
 - What data was modified?
 - When was the account last accessed?
 - Where was the account accessed from? On campus?

Comprehensive audit trails

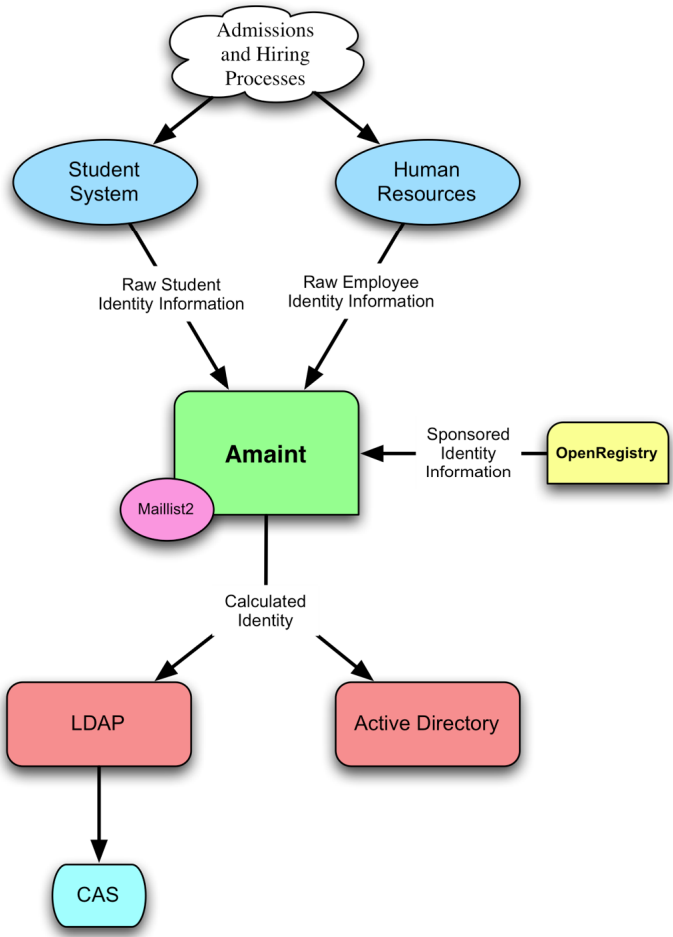


Better user experience for everyone

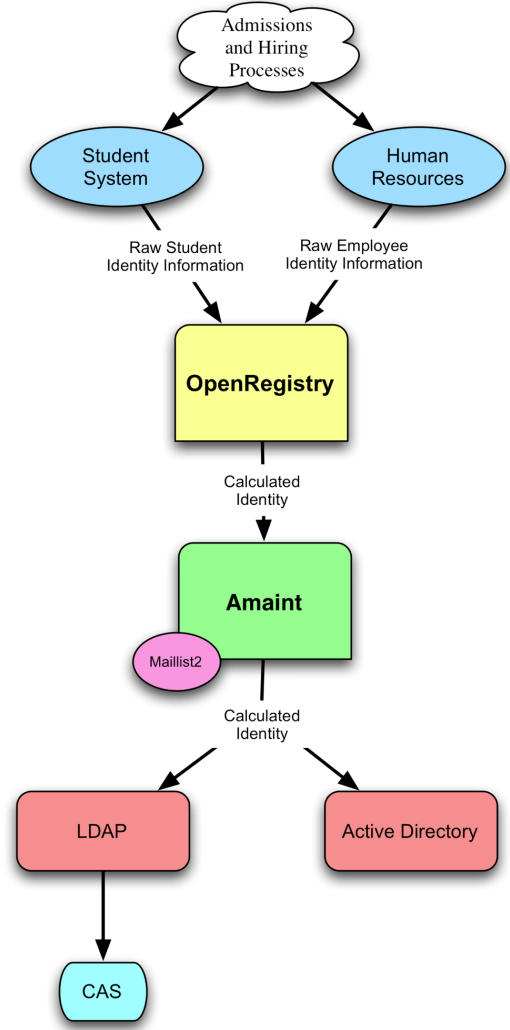


Phase 1

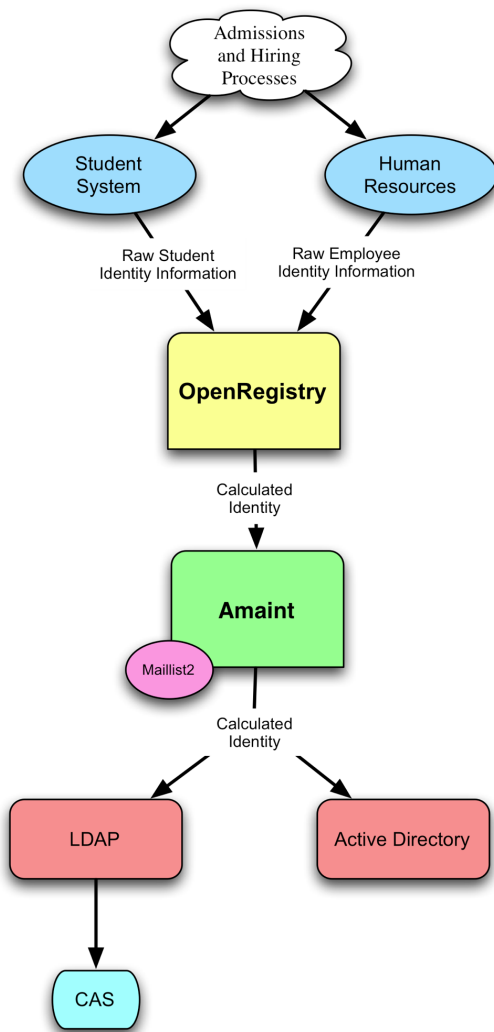
How are we going to do it?



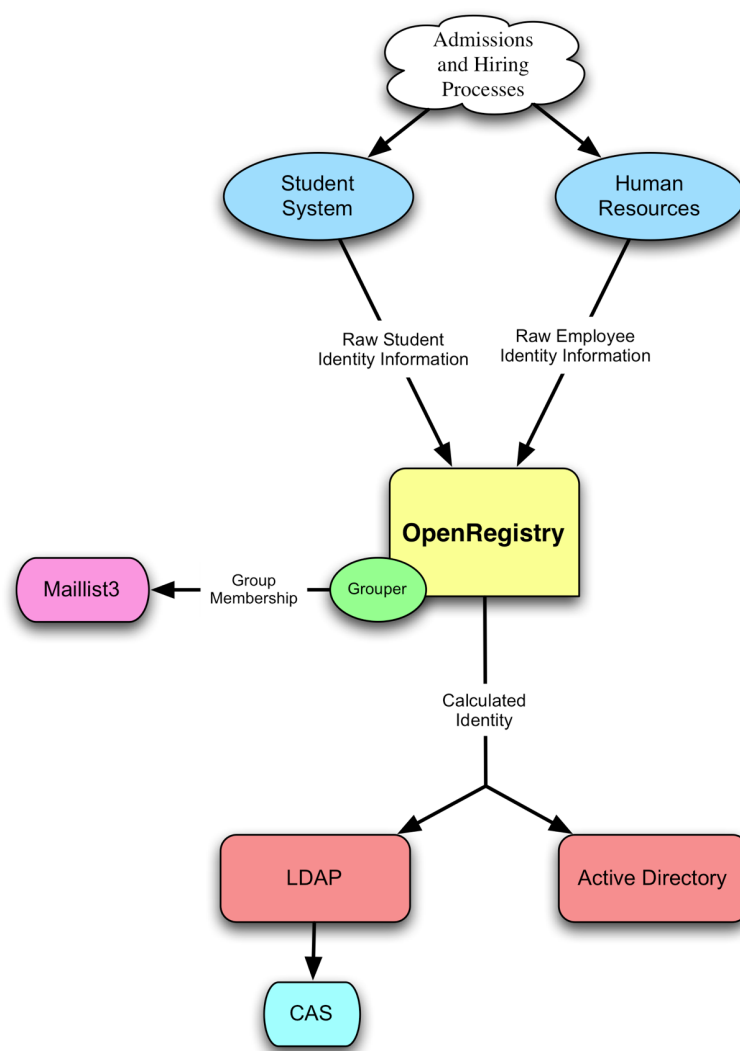

Phase 2



How are we going to do it?




Phase 3



How are we going to do it?

- Visit the Jasig Wiki at:
 - <http://www.ja-sig.org/wiki/display/OR/Home>
- Join the OpenRegistry Dev mail list:
 - openregistry-dev@lists.ja-sig.org
- Attend a Jasig event
 - <http://www.jasig.org/>
- Contact me:
 - Jeremy_rosenberg@sfu.ca

More information on OpenRegistry

Thank You

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THANK YOU