

Campus Best Practices : Building an identity repository

GN3plus Symposium
24 – 25 February 2015
Athens

Why R&E institutions need an identity repository

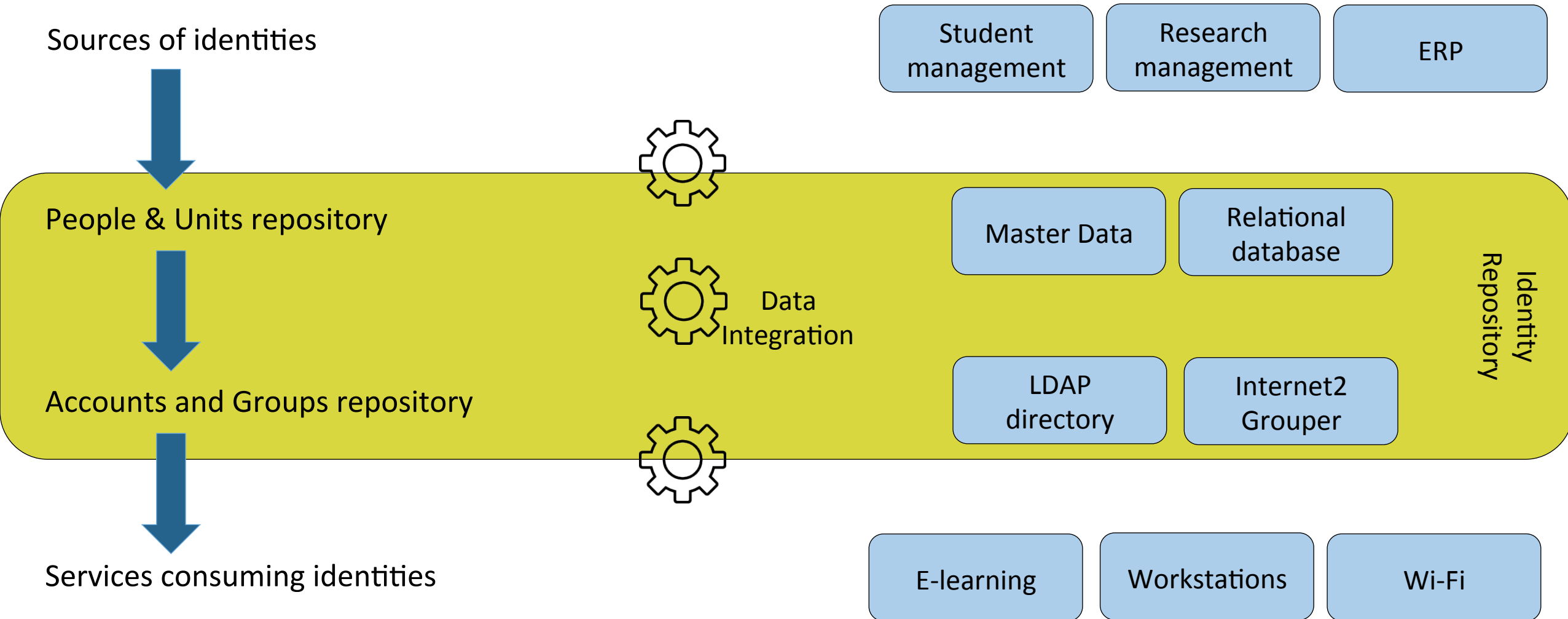


- Institutions' user identities are used
 - internally by a growing number of services
 - by national/international services
- Services now have expectations for institution's identities:
 - account provisioning should rely on proper identity vetting,
 - account deprovisioning should be performed quickly,
 - an account should be assigned to a single person,
 - identifiers should not be reassigned,
 - authentication may need to be stronger than password,
 - user profiles (affiliations) should be reliable.
- An institution's identity repository should
 - help automate identities management
 - ensure a consistent identity lifecycle

Purpose of this best practices document

- Help Research & Education institutions
 - to build an Identity Repository
 - with recipes from other “experienced” institutions
- These best practices focus on
 - a functional architecture
 - a methodology to analyse user populations
 - suggestions to design the repository
 - identity lifecycle and provisioning concerns

Elements of Identity Management



- 1) Analyze the existing system
 - inventory of populations
 - which provisioning application?
 - what volume?
 - distinguish groups of users
 - inventory of services consuming identities
- 2) Choose a target to build the foundations
 - choose a significant service and population
 - from the user's perspective
 - quality of the service should be improved
 - from the organization's perspective
 - resources should be rationalized
- 3) Consolidate the repository
 - extend to new populations
 - extend to new services
 - develop data model
 - check and improve quality of data

- Supplying the account repository
 - batch versus event-based synchronization
 - controlling the data
 - source, creation time, expiration date
- Provisioning process highlights problems
 - incomplete or obsolete data,
 - duplication of data
- Account management
 - Activation
 - Expiration
- Identifiers
 - name-based versus opaque identifiers
 - recycling concerns

- Useful document to build your identity repository
 - it is generic regardless of technological choices
 - different options are presented with their pros and cons
 - a progressive methodology is proposed

Thank you and
any questions?

