NC Education Cloud
Identity Management Working Group
April 1, 2011
Agenda

• Introduction of Working Group members (Name, Organization, Interest?)

• Introduce IAM Architects and WG Lead

• Discuss purpose/role of IAM project and WG

• Distribute IAM paper and other resources

• Discuss preferred meeting logistics
Purpose and Role of IAM Working Group

• Establish a communication model for exchanging ideas, concerns, and feedback between IAM Architects and local LEA representatives

• Review and integrate information collected in the site interviews

• Gather functional and non-functional requirements for developing a sustainable statewide IAM system

• Define specifications about required technologies and system processes
Identity and Access Management (IAM) System has 3 Major Components

1. **Central Data Repository**
   The central repository will be comprised of relevant user data from various authoritative data sources

2. **Central Directory Service**
   The central directory will contain all user IDs, passwords, and other identity information. It will serve as master authentication and authorization point for all cloud-based services and allow syncing to LEAs

3. **Federation Software**
   The federation software security extends identity information to cloud-based services providing end users with single sign on experience
User Account Provisioning

Step ① NCWISE and HRMS Coordinators manage users information as normal

Step ② Student and HR data is propagated to IAM system

Step ③ User accounts are provisioned in IAM System and granted access to new Cloud Services and current LEA services
Local LEA and IAM Directory Integration

Local users log into devices and authenticate against Local LEA Directory Service as normal.

Local LEA Directory Service can sync to Central Directory Service for global user accounts.

Central Directory Service gets provisioned from Authoritative Data Sources.

Central Data Repository
Federaion Software
Local LEA and IAM Directory Integration

Local LEA Directory Service could be Open Directory, Active Directory, or eDirectory

Synced Global Users from Central Directory Service
- Local Users
- Local Applications
- Local Printers
- Local Workstations
- Local Servers
- Other local stuff
Big Picture

NC Education Cloud Services

Central Data Repository
Central Directory Service
Federation Software

Authoritative Data Sources

NCWISE Coordinator
HRMS Coordinator

Local LEA Directory Service
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Message

- **Community Meetings:**
  - **Internal:** Consistent and frequent updates at: webinars, Quarterly RESA & TD Regions, DPI leadership, Pillar initiative teams, NCTIES, NCET
  - **External:** Vendors, providers, partners, COSN, peer state education organizations
- **Web site**—place for FAQ, Guidelines, Presentations, Organization, Team members, news, links to DPI & others: [http://cloud.fi.ncsu.edu](http://cloud.fi.ncsu.edu)
- **LEA Advisory Committee & Working Groups**
- **LEA site interviews**
- **Email Questions to** [cloudhelp@ncsu.edu](mailto:cloudhelp@ncsu.edu)
IAM Working Group Messaging

- IAM Email List
  - cloud-iam@lists.ncsu.edu
  - Must be on the list to communicate

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